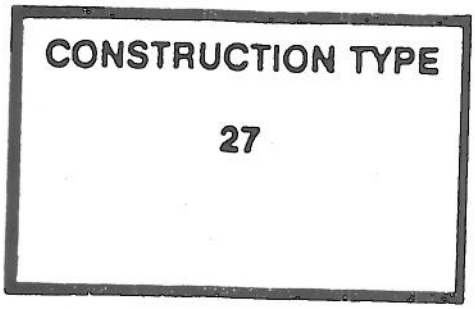
(CONT. # 26)

Ex	=	Exit Signs
FA	=	Fire Alarm
AS	=	Automatic Sprinklers
SP	=	Standpipe
FP	=	Fire Pump
HD	=	Heat Detectors



27. CONSTR TP (type of construction) - This field is used to indicate the type of construction that the structure is comprised of. This field must be completed on all inspections whether they be a structure or tenant. (Refer to this manual for correct abbreviation)

(USE ONLY 1 CONSTRUCTION TYPE "MOST RESTRICTIVE")

INSPECTION CONTROL FORM ABBREVIATION

Type of Construction

O	=	Ordinary
R	=	Fire Resistive
N	=	Non Combustible
M	=	Mill
F	=	Frame

TRUSS
28

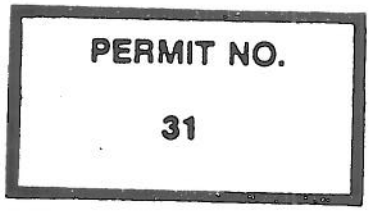
28. **TRUSS** - This field indicates the type of roof construction and must be completed on both **structure** and **tenant** inspection. Indicate with the letter "Y" if the roof is supported by a truss, or "N" if not. This field must be completed.

NOTE: Metal bar joists are considered to be truss roofs.

29. **OTHER BUILDING USE** - This field is used for additional significant information such as spray booth, floors 3-7, A.S. basements, apartments, etc. Do not use this field for indicating gallon of flammable liquids or capacity of other hazardous chemicals. This field is used only when necessary **(14 characters long)**

30. **MISCELLANEOUS** - This field is self explanatory.

(25 characters long)



31. **PER NBR** - This field is used by the Engineering Section for work pertinent to sprinkler and standpipe installations. This field is also used by the school section and annual inspection program to designate the year that the inspection was performed. This field is used only when necessary.

(6 digits long)

32. **ISS date (Issue date)** - This field is used by the Engineering Division for work pertinent to sprinkler and standpipe installations. This field is used only when necessary.

33. **ANNUAL FEE** - added for future use.

34 LINES OF HAZARDOUS/ FLAMMABLE MATERIALS PRINTED

34. **HAZARDOUS MATERIALS** - Indicates that there are hazardous/flammable materials on the premises. These are listed on a separate sheet.

(Hazardous/Flammable form)

PAGE: OF: DATE PRINTED: ICN

ADDR

BLDG:
TEN:
FLOOR:
ROOM:

NAME:
DESC:

PREMISE ADDRESS:

HAZARDOUS / FLAMMABLE MATERIALS

C	S-C	DESCRIPTION	LOCATION	AMOUNT

34 HAZARDOUS MATERIAL FORM

This form is to be completed if significant quantities of highly Toxic Materials, Fume Hazard Chemicals, Flammable Liquids, Radioactive Materials, Hazardous Chemicals, Corrosive Liquids, Oxidizing Chemicals, Highly Flammable Materials or Explosives are found on the premises you are inspecting. It will be strictly up to your judgment to indicate if the quantities are significant. If you feel that it is significant to note them, fill in the Hazardous Materials form as follows:

(C) Class - Indicate the class of the material, this information may be learned from the warning label on the container (if available). This is a must fill field. See manual for proper class. (1 character long)

(S-C) Subclass - Indicate the subclass of the material (if known). This is an optional field. See manual for proper subclasses. (1 character long)

(Cont. Hazardous Material Form)

Description - What the material is such as a name or abbreviation of the material. Isopropyl Alcohol, PCB, etc. **This is a Must Fill Field. (30 characters long)**

Location - Where is the material stored on the premises (Cabinet NE Corner, Basement Drum SW Corner). **This is a Must Fill Field. (40 characters long)**

Amount - Capacity or amount of material on hand. **This is a Must Fill Field.** See manual for proper abbreviations for measure. **(9 characters long)**

HAZARDOUS MATERIAL CLASSIFICATION

Class	Sub-Class	Description
1		Explosives
1	A	Explosives - A
1	B	Explosives - B
1	C	Explosives - C
1	D	Blasting Agent
2		Gases
2	A	Poison Gas
2	B	Flammable Gas
2	C	Non-Flammable Gas
2	D	Chlorine
2	E	Oxygen
3		Flammable liquids
3	1	Flash point less than 99 degrees F
3	2	Flash point between 100-139 degrees F
3	3	Flash point greater than 140 degrees F

(cont.)

Class	Sub-Class	Description
4		Flammable Solids
4	A	Flammable Solids
4	B	Dangerous when wet
5		Oxidizing Substances
5	1	Oxidizing Substances
5	2	Organic Peroxide
6		Poisonous and Infectious
6	A	Poison
6	B	Irritant
6	C	Biomedical Material
7		Radioactive
7	1	Radioactive I
7	2	Radioactive II
7	3	Radioactive III
8		Corrosives
9		Miscellaneous Dangerous Substances

ABBREVIATIONS OF MEASURE

BU	=	Bushels
OZ	=	Ounces
GAL	=	Gallons
PT	=	Pints
LBS	=	Pounds
GM	=	Grams
KG	=	Kilograms
LT	=	Liters
CFT	=	Cubic Feet
CYD	=	Cubic Yards
K	=	Thousand
M	=	Million

Example: 1 M Gal = 1,000,000 Gallons
10 K Lbs = 20,000 Lbs
300 L = 300 Liters

TYPE OF INSPECTION	A		MFG. & BUS.	B		HOTELS	C		SCHOOL	D	INST.
	E		LICENSE	F		NEW CONSTR	G		GAS LEAK	H	SPR STAND
	J		EXIT & FA	K		SP FEE	L		FIRE DRILL	N	PUMP TEST
	P		DEMO	S		COURT COMP	Z		AS FEE	R	RECK FEE

35. **TYPE OF INSPECTION** - These spaces must be completed on each inspection report that you submit. Place a "X" mark in the blank that precedes the type of inspection that you have completed.

(You may use more than 1 type of inspection, must fill)

TYPE OF ACTIVITY	1	36	COMPLETE	2		VIOLATION	3		COMPLAINT	4	RECH

36. **TYPE OF ACTIVITY** - These spaces must be filled each time you submit an inspection or reinspection report. Place a "X" mark in the blank that precedes the activity or activities that you have completed. When you list any violations you also "X" violation. **(Up to 4 types of activity, must fill)**

BOOK NO. 37	INSPECTOR'S SIGNATURE	DATE

37. **BOOK NO.** (book number) - When you have completed and checked your inspection form, print your book number, sign your name, and indicate the date that you made the inspection. **(3 digits long, must fill)**

BOOK NO. 38	SUPERVISOR'S SIGNATURE	DATE

38. **BOOK NO.** (book number) - Supervisor's signature, date when your work is turned in, your supervisor will verify your work and indicate his badge number, name and date of approval. **(3 digits long, must fill)**

INSP. TIME
HRS. MIN.

39. **INSP TIME (Inspection Time)** - This is the time it takes to pick up your work at area offices, travel time to the structure or tenant, actual inspection time in the structure or tenant, travel time back to area office, and the time it takes you to fill out all required forms and referrals. Indicate in hours and minutes the total time for your inspection, on 1st page only of multi-page "IC" form, cross out this area on additional pages. **(2 digit hour (0-99) and 2 digits minutes (0-59), must fill**

PAGE		ICN:
PREMISE ADDRESS:		
VIOL NBR	LOCATION AND/OR DESCRIPTION	CD
40		

40. **VIOL NBR (violation key number)** - This is the specific violation that you are citing and is indicated by you as listed in this manual. The four digit key number is all you will insert under this heading. Key numbers do not have to be in numerical sequence. In other words, you can listed the violations in the order that you find them as you proceed on your inspection, such as floor by floor, room by room,. etc. This will make recheck inspection easier since the order in which you write the violations will be retained on rechecks.

(Cont. 40 Viol NBR)

Note: If corrections have to be made, suppress the incorrect Violation Key Number and rewrite with the correct key number. The specific location and/or description of the violation can be indicated next to the key number printed in block letters. Keep it brief. You may use abbreviations. (You may use a maximum of two lines which contains 30 blocks each for a total of 60 characters of describe the location or description of the violation.)

NOTE! Special attention should be given to correct spelling.

PAGE		ICN:
PREMISE ADDRESS:		
VIOL. NBR	LOCATION AND/OR DESCRIPTION	CD
		41

41. **CD (violation code)** - This field represents the violation status. When writing and/or adding violations, "0" should be inserted in this field to signify that the violation is open. On rechecks, the letters "0", C & S" are used respectively to show that the violations are either open, complied or suppressed. When making a referral, you are to place the appropriate key number in field number 40, give a description of what you are referring in the variable field, attach a referral form and mark "0" in field number 41. (1 character long, must fill)

VIOLATION STATUS CODES

O = Open
C = Compiled
S = Suppress

CHICAGO FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION
(312) 744-4762

RICHARD M. DALEY
MAYOR

JOHN W. BROOKS
FIRE COMMISSIONER

NICHOLAS RUSSELL
DEPUTY FIRE COMMISSIONER

This report is neither official nor complete, but is provided for your information to expedite the correction of most deficiencies found during the Business License Inspection.

An official Fire Code violation notice identifying all deficiencies found during this inspection will be mailed to you within a few days.

Questions concerning these deficiencies or correction of same will be considered after you have received your official Fire Department violation notice.

Premises _____

Owner _____

Address _____

Inspector _____

Badge # _____ Date ____/____/_____

Telephone _____

- ☐ Condition of Stairs
- ☐ Provide Stair Rails
- ☐ Storage Not Permitted Under Stairs
- ☐ Rubbish Conditions
- ☐ Metal Cans With Covers
- ☐ Improper Ceiling or Sidewalls
- ☐ Repair of Plaster Holes in Ceilings & Sidewalls
- ☐ Improper Heating Plant
- ☐ Improper Heating Plant Enclosure
- ☐ Improper Self Closing Door For Enclosure
- ☐ Clearance Around Smoke Pipes, Vents, Etc
- ☐ Chimney Defective
- ☐ Incorrect Storage of Fuel
- ☐ Occupancy Card Required (Exceeds 100 Persons)
- ☐ Incorrect Swing of Exit Door
- ☐ Exit Opens Onto Sidewalk
- ☐ No Exit Light Above Exit
- ☐ Exits Locked
- ☐ Exits Blocked
- ☐ Improper Wall & Ceiling Material
- ☐ Improper Flame Spread Rating
- ☐ Decorations, Drapes, Curtains Not Fire Retardant
- ☐ Sub-Standard Partitions
- ☐ Fire Extinguishers Required
- ☐ Recharge Extinguishers
- ☐ Hang Extinguishers
- ☐ Locate Extinguishers (For Visibility)
- ☐ Provide Aisle Space
- ☐ Blocked Aisles
- ☐ Exit and Directional Lights Required
- ☐ Provide Hood and Duct System (Cooking Facility)
- ☐ Extend Hood and Duct System
- ☐ Clean Hood and Duct System
- ☐ Overcrowding
- ☐ Exit Lights Required
- ☐ Repair Exit Lights
- ☐ Exits in Need of Repair

Note: If Fire Inspector cannot gain entry into basement for inspection purposes, he will disapprove license..

CFD FPB #450

EXAMINING THE RELATIONSHIP OF THE 'BIG THREE' (HGT.&AREA, OCCUPANCY & CONSTRUCTION)

When it comes to the Municipal Code of Chicago Relating to FIRE PREVENTION, the BIG THREE is HEIGHT and AREA LIMITATIONS, OCCUPANCY and CONSTRUCTION! These are the bread and butter chapters of our code! These are chapters which determine if an occupancy is permitted or not permitted, if a construction type is permitted or not permitted or if the height or size of a building is permitted or not permitted either individually or in relationship to each other! As I've said before, if one is out of 'SYNC' with either or both.....

THIS CHANGES EVERYTHING!!!

To be an effective Fire Inspector you must know these chapters first. Before you write violations pertaining to rubbish, fire extinguishers needing recharging or exit signs not being lit, as important as these are, is the occupancy you are inspecting even allowed to be in the building you are inspecting? Or visa versa. Is the building you are inspecting even allowed to have the occupancy you are inspecting? If the height or the size of the building was allowed for the previous occupancy, is it allowed for the new one? These are questions you must ask even before the start of a fire inspection. But how do you begin? How do you know if something is permitted or not permitted? How do you DECODE the BIG THREES compatibility or non-compatibility with each other?

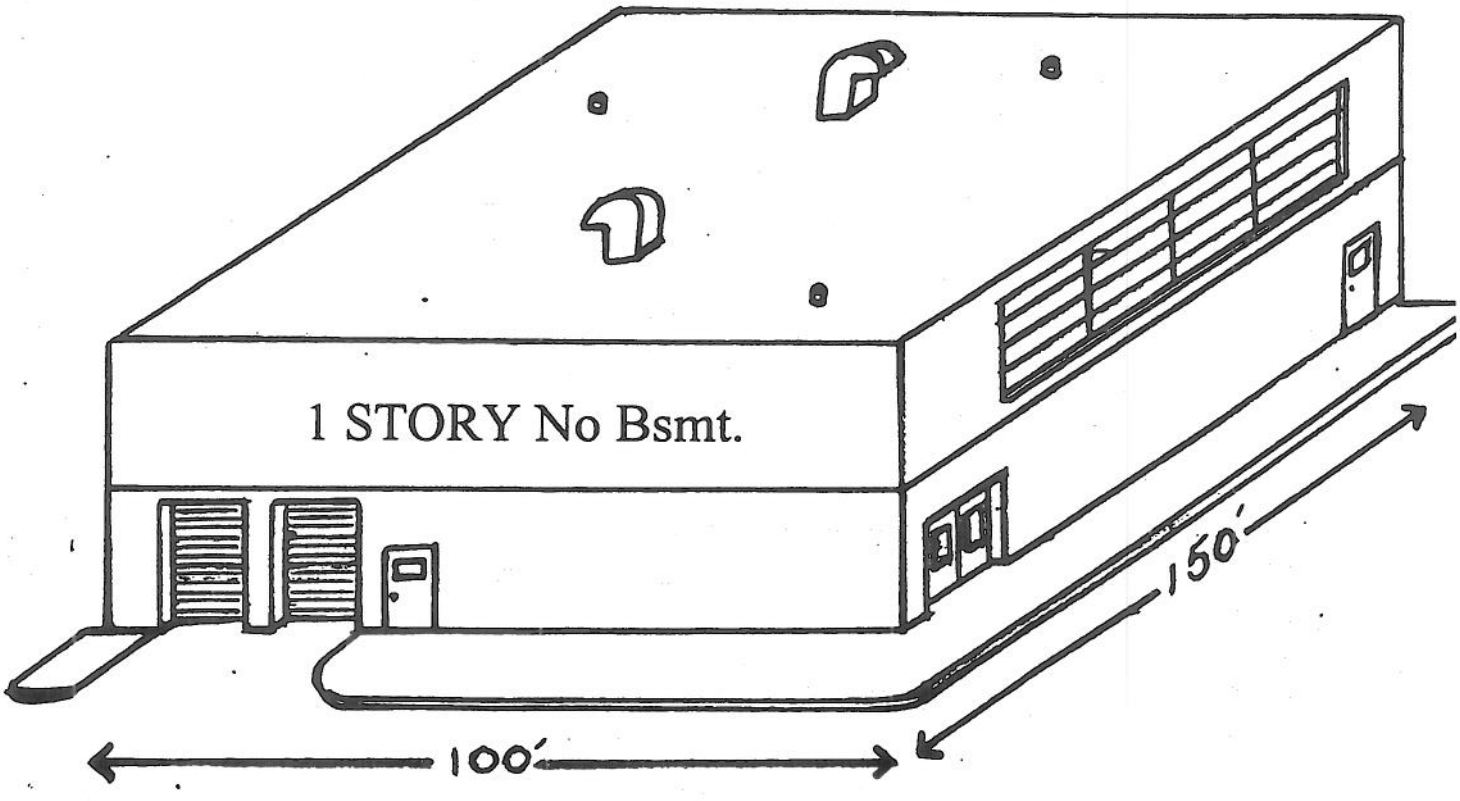
There are FIVE TABLES in the Big Three. Three in Height and Area (13-48-030....070....and 080b), one in Occupancy (13-56-280) and one in Construction (13-60-100). Knowing and using these Tables, along with the notes pertaining to each of them, is the KEY to DECODING the Big Three!

To help you further understand how to use these Tables and to cross reference their compatibility, the following exercise titled the.....

BIG THREE BUILDING

Is designed to help you to achieve this. The Big Three Building is on a street corner so it has two Outside Exposure walls comprising half of the buildings perimeter walls. This is a Constant along with the buildings size, which is 150 X 100 ft. and its height, which is one story. However, as you will note in the Chart on the following page, EVERYTHING ELSE CHANGES! Even the height, which although a Constant 1 stry., varies in feet from 50 to 40 to 30 feet tall. Are these heights in feet permitted under the buildings occupancy? How about under the buildings construction? How about the buildings other Constant, its 15,000 sq. ft. in size? Is this size allowed under the buildings occupancy or its construction. This is where the Big Three Building varies, this is where it CHANGES and as we well know .... THIS CHANGES EVERYTHING!!!

So arm yourselves with these TABLES, which are your TOOLS in DECODING the Big Three, and complete the Chart on pg. 3. Also don't Forget to use the notes following the chart as well as a certain chapter of the code!



The 'BIG THREE BUILDING'

(BLDG. is 150'x100', Frontage on ½ of Perimeter, Other Factors Vary)

H & A Strys. / Ft.		A. S. Y / N		OCC. Code	CONST. Type	Permitted? Yes / N.P.		Give Reason and Chapter
1 *(A)	50		X	C112	III-A *(B)			
1	50		X	G200 *(C)	II			
1 *(D)	40		X	G200 *(C)	II			
1	30		X	F100	III-A *(E)			
1	30		X	C211	III-A *(E)			
1	30	X *(F)		C200 *(G)	III-C			
1	30	X *(F)		C200 *(H)	III-C			

NOTES FOR THE 'BIG THREE BUILDING'

*(A) Has 2nd fl. Mezzanine of 3,500 sq. ft.

*(B) 1st fl. Construction is type 1-A

*(C) G200 = Power Plant

*(D) Has mezzanine = to 66% of main floor

*(E) 1st fl. Construction is III-A

*(F) A.S. is supervised with 2 source water supply

*(G) C200 = Theatre

*(H) C200 = Gymnasium Building which is being used to stage a live theater play 1 month per year

This document rescinds and replaces the following articles:
Informational Guidelines for Elementary School Fire Drills, Spring Training Bulletin 1989.
Elementary School Fire Drills, August Training Bulletin, 1991
School Fire Drill Procedures, Sept/Oct Company Journal, 1995

ELEMENTARY SCHOOL FIRE DRILL GUIDELINES

The Chicago Board of Education, Archdiocese of Chicago, and all Private Elementary schools in the City of Chicago in conjunction with the Fire Prevention Bureau have established specific guidelines for conducting school fire drills.

Elementary school fire drills will be conducted between the hours of 09:30 to 11:00 hours and 13:00 to 14:00 hours.

PRIOR TO THE FIRE DRILL

Upon arrival at a school the company officer will observe the following:

- Check the location of the firebox to determine if it is an inside or outside box. Regardless if the box is inside or outside, it must be within one hundred feet of the main entrance.
- Ensure the box is set and completely wound (Each complete turn provides four rounds to the Office of Emergency Communications (OEMC).
- Ensure the box number is the same as on the Inspection Control Form (ICF).

Proceed into the school:

- Sign the visitors guest book with the date, time, and purpose of visit (Fire Drill).
- Request to see the principal or person in charge and explain you want to observe the monthly fire drill.
- The school principal or person in charge has the authority to determine if a fire drill will be conducted
- The Company Officer will determine the station to be pulled and type of drill to be conducted (For example: blocked exit or stairway).
- Inform the OEMC that you are going to conduct a fire drill. Give the OEMC the school name, address, and box number. Make sure the box number given to the OEMC is the same as the box number at the main entrance of the school.

CONDUCTING THE DRILL

- The fire drill and time check shall commence with the ringing of the bell/alarm and shall terminate when the last person leaves the building.
- Company personnel shall monitor the student's efficiency level during the drill and ensure all students and faculty are evacuated a minimum of 100 ft from the school.
- After the school has been evacuated, have the engineer or responsible party reset the pull station and system at the control panel. This will stop the alarm from sounding.
- Reset the fire box, and then check the control panel to ensure the system has been properly reset. If the system cannot be reset, inform the principal or person in charge to call for repairs immediately, and to dial 911 in case of emergency. Notify the OEMC via radio the system cannot be reset. When back in quarters, notify the still Battalion Chief and FPB "School Section" via Marshall Line (9461) of the system trouble and location.
- A return signal shall be given, and all students shall be allowed to return to their classes.
- Discuss any problems observed during the drill with the principal or person in charge and as a courtesy give the total evacuation time.

In cold weather, a preparatory bell or announcement over the PA system will be made. The children will be permitted to go for their coats and return to their seats until the fire alarm sounds. Students and faculty are never to go to their lockers or dressing rooms after the alarm has sounded.

If the principle or person in charge refuses the fire drill or if the students are in an assembly, school wide testing, or at lunch the Company Officer will:

- Enter the refusal in the visitor's guest book.
- Record on the back of the ICF, the date, time, and reason for refusal.
- Have the next shift attempt to conduct the fire drill.
- In the event of two (2) refusals, notify the supervisor of School Section in the West Office of Fire Prevention Bureau (Centrex # 746-5057, Marshall Line # 9461) as to the situation.
- The Fire Drill Inspection Control Form (ICF) is to be held for in-service pick-up.

All school fire drills will be completed seven days prior to the end of the month. Company Officer's should ensure all members are familiar with resetting the fire box, pull stations, and the system control panels within their district.

Under no circumstances will a company officer decide to hold a drill without the permission of the principal or person in charge.

PREPARING THE INSPECTION FORM

The ICF shall be prepared according to the attached example.

- Mark the appropriate code in the *RECOM-CO* area (1)
- Make an "X" in the *SCHOOL BOX* (2), *FIRE DRILL BOX (3)* and the *COMPLETE BOX* (4)
- Record the company Badge Number assigned by FPB in the *BOOK NO. BOX* (5)
- Sign the form in the *INSPECTOR SIGNATURE'S BOX* (6).
- Record the current date in the *DATE BOX* (7)
- Record the time of the drill in the *INSP. TIME BOX* (8). The time of the drill = travel time to the school + the time spent performing the drill + travel time returning to quarters + time taken to complete the ICF and other documentation.

A school fire drill is not an inspection; however, violations will be recorded in the violation section of the ICF. If there are violations observed (such as locked or blocked exits, storage under the stairs, etc.), the supervisor in charge of the school section should be notified (Centrex # 746-5057, Marshall Line 5457). In addition to forwarding a referral to the school section.

CHICAGO FIRE DEPARTMENT
FIRE PREVENTION BUREAU
REPORT OF INSPECTION

DATE PRINTED: 05/26/04
RECOM-CO: (1) 20253

LAST INSPECTION	ANNUAL DATE	STATUS	YEAR BUILT	OCCUPANCY CLASSES	INSP TYPE	INSERV NBR	AREA OFFICE
05/26/04	08/30/03	ORIGINAL	1964	C301	FD	T59 E015	D05

ADDR: 03345 03345 W 83 ST
BLDG: 00000
TEN:
FLOOR: 000
NAME:
ROOM:
DESC:

PREMISE ADDRESS: 03345 W. 83 ST

OWNER/TENANT		RESPONSIBLE PARTY
ASHBURN LUTHERAN SCHOOL	1	
MS	2	
3345 W 83 ST	3	
	4	
CITY: CHICAGO ST: IL ZIP: 60652		CITY: ST: ZIP:
PHONE: (773) 737-2156 SEND NOTICE: Y		PHONE: ( ) - SEND NOTICE:

VISUAL	LOADING	WEIGHT	SPRINKLERS	DATE	LIC	FA	AS	SP	FP	HD	CONSTRUCTION TYPE	TRUSS
00113	00144	002	01		Y	Y				Y	FIRE RESISTIVE	N

OTHER BLDG USE	MISCELLANEOUS	PERMIT NO.	ISSUE DATE	ANNUAL FEE
BOX#26815		000009	06/17/71	0.00

LINES OF HAZARDOUS/FLAMMABLE MATERIALS PRINTED.

TYPE OF INSPECTION														
	A		MFG. & BUS.	B		HOTELS	C	(2)	SCHOOL	D		INST.
	E		LICENSE	F		NEW CONSTR	G	(3)	GAS LEAK	H		SPRK. STAND
	J		EXIT & FA	K		SP FEE	L		FIRE DRILL	N		PUMP TEST
	P		DEMO	S		COURT COMP	Z		AS FEE	R		ROOF FEE

TYPE OF ACTIVITY	1	(4)	COMPLETE	2		VIOLATION	3		COMPLAINT	4		RECHECK

BOOK NO. (5)	INSPECTOR'S SIGNATURE (6)	DATE (7)	INSP. TIME HRS. MIN. (8)
BOOK NO.	SUPERVISOR'S SIGNATURE	DATE	PAGE 1 OF 1

FP01 03/03

The "00" is the only code to be used on fire drills. If violations are found during the drill prepare a referral form to FPB school section.

The following is an example of a completed referral form for blocked exits at a school. This referral should be filled out immediately and sent to the school section of the Fire Prevention Bureau.

DEPARTMENT OF BUILDINGS
COMPLAINT REFERRAL FORM

DATE 10-20-04

Premise Location 3345 W. 83rd St.

Owner's Name Chicago Public Schools Phone 312-747 5000 ☒ Referral

Address 3345 W. 83rd St. ☐ Transfer

Bureau Fire

Complaint Number _____ Referred From Engine 15

REFER TRANSFER TO BUREAU CHECKED BELOW

Conservation	☐	Plumbing	☐	Heating/Ventilation	☐
Demolition	☐	Elevator	☐	Electrical	☐
New Construction	☐	Iron	☐	Institutional	☐
Refrigeration	☐	Zoning	☐	Other (specify)	☒

FPB West Schools

REASON AND LOCATION MUST BE SPECIFIC—*PLEASE PRINT LEGIBLY*

Reason. Blocked Exit Doors

Location West Exit

Inspector # Badge Number 265 Supervisor Signature Lt. John Doe

BC 125

DATE PRINTED

CHICAGO FIRE DEPARTMENT
FIRE PREVENTION BUREAU
REPORT OF INSPECTION

RECOM-CD

ICN

LAST INSPECTION	ANNUAL DATE	STATUS	YEAR BUILT	OCCUPANCY CLASSES	INSP TYPE	INSERV NBR	AREA OFFICE

ADDR

BLDG:

TEN:

FLOOR: NAME:

ROOM: DESC:

PREMISE ADDRESS:

OWNER/TENANT		RESPONSIBLE PARTY
	1	
	2	
	3	
	4	

CITY	ST	ZIP		CITY	ST	ZIP

PHONE	SEND NOTICE		PHONE	SEND NOTICE

WIDTH	LENGTH	HEIGHT	BSMT	WATER	EX	FA	AS	SP	FP	HD	CONSTRUCTION TYPE	TRUSS

OTHER BLDG USE	MISCELLANEOUS	PERMIT NO.	ISSUE DATE	ANNUAL FEE

_____ LINES OF HAZARDOUS/FLAMMABLE MATERIALS PRINTED.

TYPE OF INSPECTION												
	A		MFG. & BUS.	B		HOTELS	C		SCHOOL	D		INST.
	E		LICENSE	F		NEW CONSTR	G		GAS LEAK	H		SPRK. STAND
	J		EXIT & FA	K		SP FEE	L		FIRE DRILL	N		PUMP TEST
	P		DEMO	S		COURT COMP	Z		AS FEE	R		RECK FEE

TYPE OF ACTIVITY												
	1		COMPLETE	2		VIOLATION	3		COMPLAINT	4		RECHECK

BOOK NO.	INSPECTOR'S SIGNATURE	DATE	INSP. TIME HRS. MIN.
BOOK NO.	SUPERVISOR'S SIGNATURE	DATE	PAGE

PAGE: ICN:

PREMISE ADDRESS:

VIOL. NBR	LOCATION AND/OR DESCRIPTION	CD

COMMON IN-SERVICE VIOLATIONS
INDEXED

ADDRESS
- 749 POST ADDRESS LETTERS: 3" RESIDENTIAL, 6" BUSINESS

AISLES
- 1876 REARRANGE STOCK TO PROVIDE AISLES

ANIMALS
- 2424 ABATE NUISANCE OF UNSANITARY AND OFFENSIVE CONDITION (ANIMALS)

APPLIANCE
- 1356 CONNECT GAS APPLIANCE WITH EFFECTIVE FLUE
- 1358 PROVIDE DRAFT HOOD
- 1650 MAINTAIN CLEARANCE AROUND HEAT PRODUCING

APPLIANCE
- 1666 PROVIDE VENT FOR HEAT APPLIANCE
- 1668 PROVIDE SMOKE PIPE FOR HEAT APPLIANCE

APPOINTMENT
- 1000 MAKE APPOINTMENT FOR INSPECTION
- 1002 MAKE APPOINTMENT FOR RE-INSPECTION

BASEMENT
- 1174 DISCONTINUE USING BASEMENT FOR ...

BASIN
- 1746 PROVIDE COVER FOR CATCH BASIN

CATCH BASIN
- 1746 PROVIDE COVER FOR CATCH BASIN

CHIMNEY
- 1664 CLOSE OPENINGS AROUND SMOKE PIPE INTO CHIMNEY
- 1670 CLOSE OPENINGS IN CHIMNEY

CLEARANCE
- 1650 MAINTAIN CLEARANCE AROUND HEAT PRODUCING APPLIANCE
- 1652 MAINTAIN CLEARANCE AROUND HOT WATER TANK

COOKING DEVICES
- 1676 REMOVE GREASE FROM HOOD AND DUCT SYSTEM

CYLINDERS
- 2584 PROTECT CYLINDERS BY RACKS OR CHAINING TO WALL
- 2586 DISCONTINUE STORING OXYGEN CYLINDERS NEAR OIL OR OTHER ACCELERATING FUELS

DOORS (EXIT)
- 1410 PROVIDE ADDITIONAL MEANS OF EGRESS
- 1412 REMOVE OBSTRUCTIONS FROM EXITWAYS
- 1836 REMOVE THAT WHICH CONCEALS EXIT
- 1870 KEEP EXIT DOORS SO THEY OPEN WITHOUT KEY OR SPECIAL KNOWLEDGE

DRAFT HOOD
- 1358 PROVIDE DRAFT HOOD

COMMON IN-SERVICE VIOLATIONS
INDEXED

DUST/LINT
- 1772 CLEAN LINT AROUND WASHING/DRYING MACHINES
- 2404 REMOVE LINT DUST ETC DAILY

EGRESS
- 1410 PROVIDE ADDITIONAL MEANS OF EGRESS

EXIT AREA
- 1478 PROVIDE ILLUMINATION FOR EXIT AREAS WHEN NATURAL LIGHT IS INSUFFICIENT
- 1874 KEEP EXIT AREA CLEAR AND UNOBSTRUCTED

EXIT SIGNS
- 1482 KEEP EXIT STAIRWAY FIRE ESCAPE ETC SIGNS ILLUMINATED
- 1484 REPAIR EXIT SIGNS

EXITS
- 1870 KEEP EXIT DOORS SO THEY OPEN WITHOUT KEY OR SPECIAL KNOWLEDGE

EXITWAY
- 1412 REMOVE OBSTRUCTIONS FROM EXITWAYS

FIRE ESCAPES
- 1878 REMOVE OBSTRUCTIONS BEFORE OR ON FIRE ESCAPES
- 1882 REMOVE OBSTRUCTIONS TO COUNTER BALANCED FIRE ESCAPE SECTION PROPERLY GROUNDING

FIRE EXTINGUISHERS
- 2058 PROVIDE APPROVED FIRE EXTINGUISHERS
- 2064 REMOVE UNAPPROVED FIRE EXTINGUISHER AND REPLACE WITH APPROVED ONE
- 2068 HANG FIRE EXTINGUISHERS TOP < 3 1/2' FROM FLOOR
- 2070 HANG FIRE EXTINGUISHERS TOP < 5' FROM FLOOR
- 2072 INDICATE LOCATION OF FIRE EXTINGUISHERS LEGIBLE AT 50'
- 2074 RECHARGE FIRE EXTINGUISHERS AND ATTACH TAG

FLAMMABLE LIQUIDS
- 1174 DISCONTINUE USING BASEMENT FOR ...
- 2676 LIMIT CLASS 1 FLAMMABLE LIQUIDS < 5 GALS STORED IN 1 GAL SAFETY CANS
- 2678 LIMIT CLASS 2 FLAMMABLE LIQUIDS < 5 GALS STORED IN 1 GAL SAFETY CANS
- 2682 LIMIT CLASS 1 FLAMMABLE LIQUIDS < 10 GALS STORED IN 1 GAL SAFETY CANS
- 2684 LIMIT CLASS 1 FLAMMABLE LIQUIDS < 10 GALS OR PROVIDE APPROVED CABINET
- 2698 PROVIDE APPROVED SAFETY CANS FOR FLAMMABLE LIQUIDS

FUEL OIL
- 1004 REMOVE UNUSED FUEL OIL TANKS

GARAGE
- 1172 RAISE UNIT HEATER SO BOTTOM > 8' ABOVE FLOOR

COMMON IN-SERVICE VIOLATIONS
INDEXED

GAS APPLIANCE
- 1356 CONNECT GAS APPLIANCE WITH EFFECTIVE FLUE
- 2492 DISCONTINUE USING RUBBER PLASTIC OR UNAPPROVED PIPING TO SUPPLY GAS OR LIGHTING

HANDRAILS
- 1458 PROVIDE HANDRAILS ON STAIRWAYS (<44" - 1) (>44" - 2)

HEATING
- 2422 PROVIDE HEAT FROM 10/1 - 6/1 (68 DEGREES 8AM-6PM) BUSINESS

HEATING DEVICES
- 1166 DISCONTINUE USING AND REMOVE UNAPPROVED HEATING DEVICE
- 1172 RAISE UNIT HEATER SO BOTTOM > 8' ABOVE FLOOR
- 1650 MAINTAIN CLEARANCE AROUND HEAT PRODUCING APPLIANCE
- 1666 PROVIDE VENT FOR HEAT APPLIANCE
- 1668 PROVIDE SMOKE PIPE FOR HEAT APPLIANCE
- 2492 DISCONTINUE USING RUBBER PLASTIC OR UNAPPROVED PIPING TO SUPPLY GAS OR LIGHTING
- 2494 DISCONTINUE USE OF UNAPPROVED OR DEFECTIVE HEATING DEVICE

HOOD AND DUCT
- 1676 REMOVE GREASE FROM HOOD AND DUCT SYSTEM
- 1678 REPAIR HOOD AND DUCT SYSTEM

INSPECTION/RE/REINSPECTION
- 1000 MAKE APPOINTMENT FOR INSPECTION
- 1002 MAKE APPOINTMENT FOR RE-INSPECTION

LICENSE
- 2450 POST LICENSE IN CONSPICUOUS LOCATION ON PREMISES

LINT
- 1772 CLEAN LINT AROUND WASHING/DRYING MACHINES
- 2404 REMOVE LINT DUST ETC DAILY

LIQUEFIED PETROLEUM GAS (LPG)
- 2556 STORE SPARE LPG CYLINDERS OUTSIDE IN APPROVED SHELTER WITH CLEARANCE

MIXED OCCUPANCY
- 1046 DISCONTINUE MIXED OCCUPANCY OR PROVIDE APPROVED SEPARATIONS

NUISANCE
- 1767 ABATE NUISANCE PERILOUS TO LIFE OR PROPERTY
- 2424 ABATE NUISANCE OF UNSANITARY AND OFFENSIVE CONDITION (ANIMALS)
- 2442 ABATE NUISANCE CAUSED BY IMPROPER STORAGE OF GARBAGE CONTAINERS

COMMON IN-SERVICE VIOLATIONS
INDEXED

OCCUPANCY
- 1046 DISCONTINUE MIXED OCCUPANCY OR PROVIDE APPROVED SEPARATIONS

OPENINGS
- 1276 CLOSE UP OPENINGS AROUND EXPOSED PIPING TO RETARD FIRE SPREAD
- 1664 CLOSE OPENINGS AROUND SMOKE PIPE INTO CHIMNEY
- 1670 CLOSE OPENINGS IN CHIMNEY

OVERCROWDING
- 1054 DISCONTINUE AT ONCE THE PRACTICE OF OVERCROWDING

OXYGEN
- 2586 DISCONTINUE STORING OXYGEN CYLINDERS NEAR OIL OR OTHER ACCELERATING FUELS

PREMISES
- 1574 MAINTAIN PREMISES IN A CLEAN SANITARY AND SAFE CONDITION
- 1764 DO NOT OCCUPY UNTIL CODE VIOLATIONS ARE COMPLIED

RAILINGS
- 1458 PROVIDE HANDRAILS ON STAIRWAYS (<44" - 1) (>44" - 2)

RUBBISH
- 1904 REMOVE RUBBISH FROM ....
- 2444 PROVIDE FOR REGULAR REMOVAL OF GARBAGE AND REFUSE

SCENERY AND DECORATIONS
- 1836 REMOVE THAT WHICH CONCEALS EXIT

SIAMESE
- 2016 REPLACE CAPS AND GASKETS, OIL AND FREE UP SWIVELS ON SIAMESE

SMOKE PIPE
- 1664 CLOSE OPENINGS AROUND SMOKE PIPE INTO CHIMNEY
- 1668 PROVIDE SMOKE PIPE FOR HEAT APPLIANCE

STAIRWAYS
- 1432 REMOVE ITEMS FROM UNDER STAIRWAYS, DISCONTINUE USING FOR STORAGE SPACE
- 1458 PROVIDE HANDRAILS ON STAIRWAYS (<44" - 1) (>44" - 2)
- 1556 MAINTAIN ADEQUATE ILLUMINATION FOR PUBLIC HALLS AND STAIRWAYS
- 1880 KEEP STAIRWAYS CORRIDORS FIRE ESCAPES UNOBSTRUCTED AND AVAILABLE

STOCK
- 1886 LOWER STOCK > 18" FROM CEILING OR SPRINKLERS

STORAGE
- 1432 REMOVE ITEMS FROM UNDER STAIRWAYS, DISCONTINUE USING FOR STORAGE SPACE

TANKS
- 1004 REMOVE UNUSED FUEL OIL TANKS

THIMBLE
1660 PROVIDE THIMBLE FOR PARTITION CEILING OR FLOOR

TIRE STORAGE
2427 LIMIT TIRES < 100 OR OBTAIN TIRE FACILITY LICENSE
2429 DISCONTINUE STORING TIRES BELOW GRADE OR PROVIDE SPRINKLER SYSTEM
2431 LOWER TIRE STORAGE > 36" BELOW SPRINKLERS FIXTURES CEILING ROOF OR SUPPORTS
2433 REARRANGE TIRE STORAGE TO PROVIDE REQUIRED AISLES HEIGHT AND CLEARANCE
2435 PROVIDE NON-COMBUSTIBLE 6' FENCE WITH > 2 GATES AROUND OUTSIDE TIRE STORAGE

VENT
1666 PROVIDE VENT FOR HEAT APPLIANCE

VENT PIPE
2622 MODIFY VENT SO IT'S > 3' FROM ANY DOOR WINDOW OR OTHER OPENING IN BUILDING

VENTS
1356 CONNECT GAS APPLIANCE WITH EFFECTIVE FLUE

THE FOLLOWING CONDITIONS OR REPAIRS TO BUILDING COMPONENTS SHOULD (IN MOST CASES) BE WRITTEN AS REFERRALS:

BATHROOMS
BEAMS
BUILDING REPAIRS
CEILING
CHIMNEYS
CHUTES
COLUMNS
CONVERSIONS
COPING
CORNICE
DOWNSPOUTS
DRAINAGE
ELECTRICAL FIXTURES
ELEVATORS
EXCAVATION
EXTENSION CORDS
FENCE
FLAKING PAINT
FLOOR
FOUNDATIONS
GUTTERS
HANDRAILS
INSECTS
NO LICENSE
NO PERMIT
PARAPET
PLASTER
PLUMBING
PORCHES
PRIVATE GARAGES
ROACHES
RODENTS
ROOF
SCREENS
SMOKE DETECTORS
STAGNANT WATER
STAIRS
TUCKPOINT
WALLS
WATER
WINDOWS
WRECKING

THE FOLLOWING IS A LIST OF COMMONLY USED (IN-SERVICE) REFERRAL NUMBERS AND SUMMARY OF LONG TEXT:

709 PLUMBING DIVISION
710 LEAKING PIPES
711 PIPING IMPROPER OR NON-APPROVED
712 DRAINS INADEQUATE OR STOPPED UP
713 BUILDING OPEN AND DANGEROUS
719 ELECTRICAL DIVISION
720 EXPOSED WIRING
722 EXTENSIVE USE OF EXTENSION CORDS
723 NON-APPROVED WIRING
726 FIRE ESCAPE REPAIRS
729 HEATING AND VENTILATION DIVISION
734 DEPARTMENT OF HEALTH
736 DEPARTMENT OF HUMAN SERVICES
737 BOILER INSPECTION SECTION
738 CONSERVATION INSPECTION SECTION
740 DEPARTMENT OF BUILDINGS
764 DEPARTMENT OF REVENUE

COMMON IN-SERVICE VIOLATIONS

749 POST ADDRESS LETTERS: 3" RESIDENTIAL, 6" BUSINESS
1000 MAKE APPOINTMENT FOR INSPECTION
1002 MAKE APPOINTMENT FOR RE-INSPECTION
1004 REMOVE UNUSED FUEL OIL TANKS
1046 DISCONTINUE MIXED OCCUPANCY OR PROVIDE APPROVED SEPARATIONS
1054 DISCONTINUE AT ONCE THE PRACTICE OF OVERCROWDING
1166 DISCONTINUE USING AND REMOVE UNAPPROVED HEATING DEVICE
1172 RAISE UNIT HEATER SO BOTTOM > 8' ABOVE FLOOR
1174 DISCONTINUE USING BASEMENT FOR ...
1276 CLOSE UP OPENINGS AROUND EXPOSED PIPING TO RETARD FIRE SPREAD
1356 CONNECT GAS APPLIANCE WITH EFFECTIVE FLUE
1358 PROVIDE DRAFT HOOD
1410 PROVIDE ADDITIONAL MEANS OF EGRESS
1412 REMOVE OBSTRUCTIONS FROM EXITWAYS
1432 REMOVE ITEMS FROM UNDER STAIRWAYS, DISCONTINUE USING FOR STORAGE SPACE
1458 PROVIDE HANDRAILS ON STAIRWAYS (<44" - 1) (>44" - 2)
1478 PROVIDE ILLUMINATION FOR EXIT AREAS WHEN NATURAL LIGHT IS INSUFFICIENT
1482 KEEP EXIT STAIRWAY FIRE ESCAPE ETC SIGNS ILLUMINATED
1484 REPAIR EXIT SIGNS
1556 MAINTAIN ADEQUATE ILLUMINATION FOR PUBLIC HALLS AND STAIRWAYS
1574 MAINTAIN PREMISES IN A CLEAN SANITARY AND SAFE CONDITION
1650 MAINTAIN CLEARANCE AROUND HEAT PRODUCING APPLIANCE
1652 MAINTAIN CLEARANCE AROUND HOT WATER TANK
1660 PROVIDE THIMBLE FOR PARTITION CEILING OR FLOOR
1664 CLOSE OPENINGS AROUND SMOKE PIPE INTO CHIMNEY
1666 PROVIDE VENT FOR HEAT APPLIANCE
1668 PROVIDE SMOKE PIPE FOR HEAT APPLIANCE
1670 CLOSE OPENINGS IN CHIMNEY
1676 REMOVE GREASE FROM HOOD AND DUCT SYSTEM
1678 REPAIR HOOD AND DUCT SYSTEM
1746 PROVIDE COVER FOR CATCH BASIN
1764 DO NOT OCCUPY UNTIL CODE VIOLATIONS ARE COMPLIED
1767 ABATE NUISANCE PERILOUS TO LIFE OR PROPERTY
1772 CLEAN LINT AROUND WASHING/DRYING MACHINES
1836 REMOVE THAT WHICH CONCEALS EXIT
1870 KEEP EXIT DOORS SO THEY OPEN WITHOUT KEY OR SPECIAL KNOWLEDGE
1874 KEEP EXIT AREA CLEAR AND UNOBSTRUCTED
1876 REARRANGE STOCK TO PROVIDE AISLES
1878 REMOVE OBSTRUCTIONS BEFORE OR ON FIRE ESCAPES

COMMON IN-SERVICE VIOLATIONS

1880 KEEP STAIRWAYS CORRIDORS FIRE ESCAPES UNOBSTRUCTED AND AVAILABLE
1886 LOWER STOCK > 18" FROM CEILING OR SPRINKLERS
1904 REMOVE RUBBISH FROM ....
2016 REPLACE CAPS AND GASKETS, OIL AND FREE UP SWIVELS ON SIAMESE
2058 PROVIDE APPROVED FIRE EXTINGUISHERS
2064 REMOVE UNAPPROVED FIRE EXTINGUISHER AND REPLACE WITH APPROVED ONE
2068 HANG FIRE EXTINGUISHERS TOP < 3 1/2' FROM FLOOR
2070 HANG FIRE EXTINGUISHERS TOP < 5' FROM FLOOR
2072 INDICATE LOCATION OF FIRE EXTINGUISHERS LEGIBLE AT 50'
2074 RECHARGE FIRE EXTINGUISHERS AND ATTACH TAG
2404 REMOVE LINT DUST ETC DAILY
2422 PROVIDE HEAT FROM 10/1 - 6/1 (68 DEGREES 8AM-6PM) BUSINESS
2424 ABATE NUISANCE OF UNSANITARY AND OFFENSIVE CONDITION (ANIMALS)
2427 LIMIT TIRES < 100 OR OBTAIN TIRE FACILITY LICENSE
2429 DISCONTINUE STORING TIRES BELOW GRADE OR PROVIDE SPRINKLER SYSTEM
2431 LOWER TIRE STORAGE > 36" BELOW SPRINKLERS FIXTURES CEILING ROOF OR SUPPORTS
2433 REARRANGE TIRE STORAGE TO PROVIDE REQUIRED AISLES HEIGHT AND CLEARANCE
2435 PROVIDE NON-COMBUSTIBLE 6' FENCE WITH > 2 GATES AROUND OUTSIDE TIRE STORAGE
2442 ABATE NUISANCE CAUSED BY IMPROPER STORAGE OF GARBAGE CONTAINERS
2444 PROVIDE FOR REGULAR REMOVAL OF GARBAGE AND REFUSE
2450 POST LICENSE IN CONSPICUOUS LOCATION ON PREMISES
2492 DISCONTINUE USING RUBBER PLASTIC OR UNAPPROVED PIPING TO SUPPLY GAS OR LIGHTING
2494 DISCONTINUE USE OF UNAPPROVED OR DEFECTIVE HEATING DEVICE
2556 STORE SPARE LPG CYLINDERS OUTSIDE IN APPROVED SHELTER WITH CLEARANCE
2584 PROTECT CYLINDERS BY RACKS OR CHAINING TO WALL
2586 DISCONTINUE STORING OXYGEN CYLINDERS NEAR OIL OR OTHER ACCELERATING FUELS
2622 MODIFY VENT SO IT'S > 3' FROM ANY DOOR WINDOW OR OTHER OPENING IN BUILDING
2676 LIMIT CLASS 1 FLAMMABLE LIQUIDS < 5 GALS STORED IN 1 GAL SAFETY CANS
2678 LIMIT CLASS 2 FLAMMABLE LIQUIDS < 5 GALS STORED IN 1 GAL SAFETY CANS

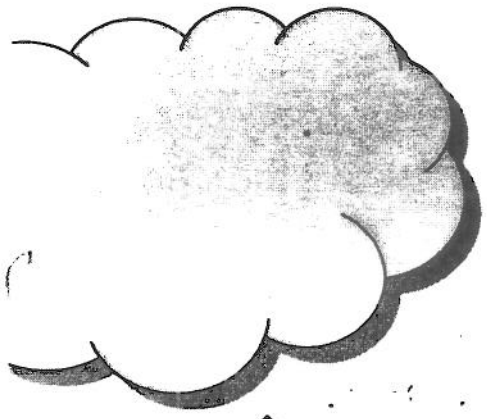
COMMON IN-SERVICE VIOLATIONS

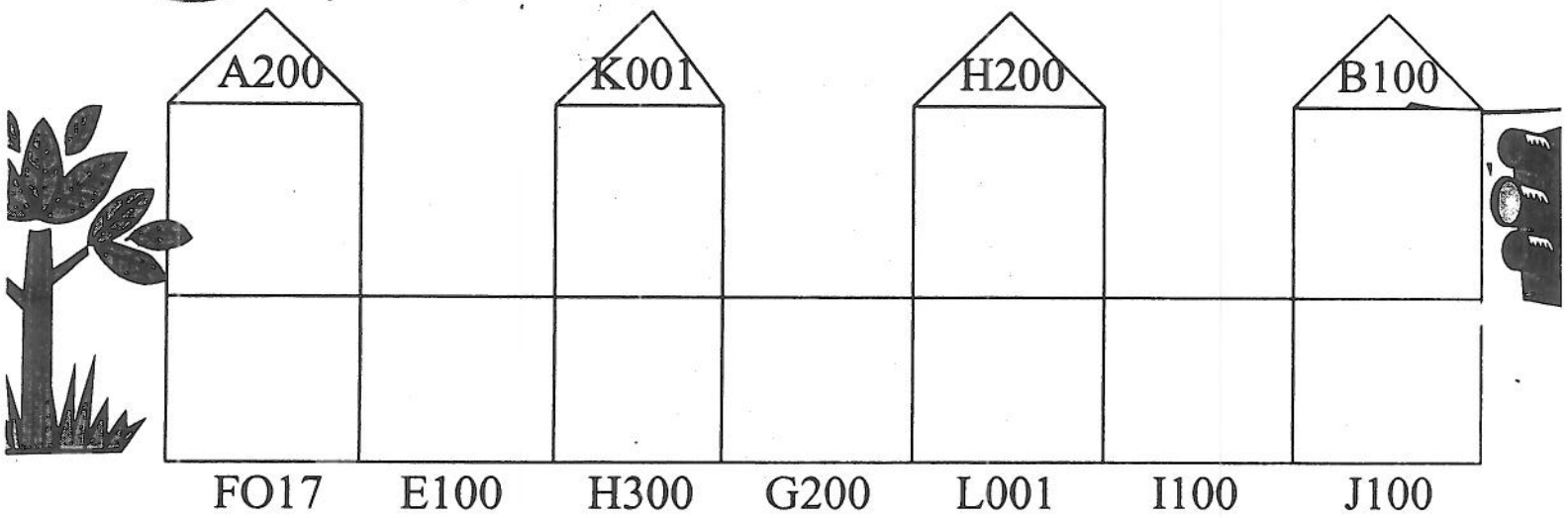
2682 LIMIT CLASS 1 FLAMMABLE LIQUIDS < 10 GALS STORED IN 1 GAL SAFETY CANS

2684 LIMIT CLASS 1 FLAMMABLE LIQUIDS < 10 GALS OR PROVIDE APPROVED CABINET

2698 PROVIDE APPROVED SAFETY CANS FOR FLAMMABLE LIQUIDS

CHAPTER 13-56
THE
A B C's
and…
(D, E, F, G, H, I, J, K, L and M's)
of
BUILDINGS
And
PARTS THERE-OF
AS
CLASSIFIED
BY
OCCUPANCY





CH. 13-56 INTRODUCTION TO OCCUPANCY CLASSIFICATIONS

CH. 13-56 Begins, Every new or existing building or part thereof, shall for the purpose of this Code, be classified according to its use or occupancy. It is important to note the wording …parts thereof, especially since many of the buildings we inspect have multiple occupancies and parts thereof could present certain separation problems. We will further address this issue towards the end of this introduction.

According to our Code, there are 13 'alpha designated' occupancy classes. These occupancy classes are further sub-divided into more specific areas of their particular occupancy by numerical designations. Example: Occupancy Class 'C' (Assembly Units) is sub-divided into C-1 Large Assembly (300 or more), C-2 Small Assembly (less than 300, more than 100) and C-3 (Schools). Within each of these sub-divisions is an even more specific category of that classification! Example: C-1 is more specifically divided into C-100 (Large Assembly), C-111(Large Assembly Restaurant) and C-112 (Large Assembly Night Club).

Although this appears to be quite confusing, it is important to accurately identify the specific occupancy you are inspecting for several reasons.

First of all, is the occupancy allowed in the type of construction it occupies? Example: A C-1 (Large Assembly) is not allowed in a Frame Structure (According to Height and Area Ch. 13-48-030) and the reason is obvious. What chance would more than 300 people have in escaping a fast spreading fire in a frame building?

Second, if the occupancy were in a multiple occupancy building (here's where the parts thereof designation comes into importance) is the occupancy permitted in the same building with the other occupancies? Example: An I (Hazardous Use Unit) is not permitted in a B (Institutional) occupancy (According to Occupancy Table Ch. ~~13-48-030~~).

(13-56-280)

Would you like to be a bedridden patient in a hospital next to a room where they are mixing highly flammable liquids? Of course not! This is why accurately identifying a specific occupancy is so important!

Lastly, even if the occupancy is allowed to occupy the same building, is it properly separated from the other occupancies in the structure? Example: An H-300 (Garage) must have an Unpierced 4 hr. Separation between it and a C-3 (School) occupancy (According to Occupancy Table 13-56-280). You wouldn't want your child attending a school that has a garage next door to his or her classroom without it having at least a 4 hr. Unpierced Separation, would you?

Again, this is why OCCUPANCY is so important and why it must be compatible with HEIGHT and AREA LIMITATIONS as well as CONSTRUCTION! If one is out of 'sync' with either or both, "THIS CHANGES EVERYTHING!!!

MORE IMPORTANTLY....OCCUPANCY takes precedent simply because it is the most easily CHANGEABLE of the trio.

To better understand what this OCCUPANCY CHANGEABILITY can mean, the A-B-C Strip Mall Quiz on pg. 6 will provide a useful exercise in what this is all about. Preceding the quiz is Table 13-56-280 titled "Required Separations in Buildings of Mixed Occupancy" as well as 2 pages of "Occupancy Classifications." Together with Ch. 13-56, these TOOLS are essential in accurately identifying the various occupancies of the A-B-C Strip Mall, or for that matter any structure of mixed occupancy, as well as their required hours of separation. Use these tools wisely and remember.....

" CHANGING OCCUPANCY--- CHANGES EVERYTHING !!! "

OCCUPANCY CLASSIFICATIONS

A2 Multiple Dwellings
Sleeping Accommodations: 10 or more

A200	Multiple
A206	Hotels
A210	Public Sleeping Accommodations
A203	High Rise

B Institutions

B100	Institutions

C1 Large Assembly
(300 or more)

C100	Large Assembly
C111	Restaurant
C112	Night Club

C2 Small Assembly
(Less than 300, More than 100)

C200	Small Assembly
C211	Restaurant
C212	Tavern
Note!	Restaurants and Taverns less than 100 see Occupancy class "F"

C3 Schools

C300	Schools
C301	Type 1
C302	Type 2
C303	Type 3

D Open Air Assembly

D100	Open Air Assembly

E Business Unit

E100	Business Unit

F Mercantile Units

F100	Mercantile
F017	Restaurant
F016	Tavern

G Low Hazard Industrial Units

G100	Low Hazard Industrial
G200	Moderate Hazard Industrial

H1 Low Hazard Storage Units

H100	Low Hazard Storage

H2 Moderate Hazard Storage Units

H200	Moderate Storage
H210	Warehouse
H202	Tank (Non Hazardous) Storage

H3 Garage and Hangers

H300	Garages and Hangers (Six Months)

I Hazardous Use Units

I100	Hazardous Use
I101	Tanks (Hazardous)

J Miscellaneous

J100	Miscellaneous
J002	Gas Station

K Abandoned

K001	Abandoned

L Vacant

L001	Vacant

M Mixed Occupancy

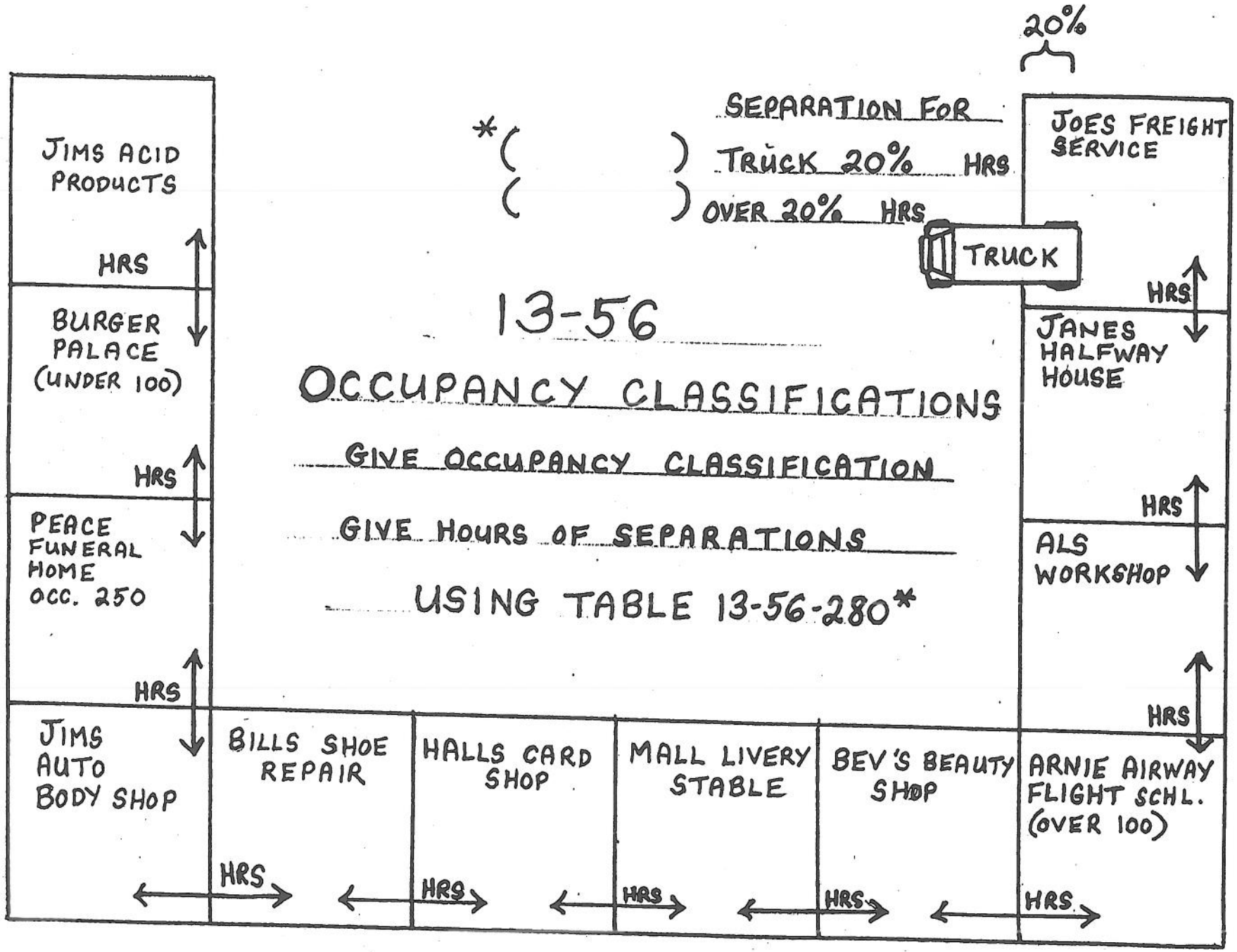
M001	Mixed Occupancy

13-56-250

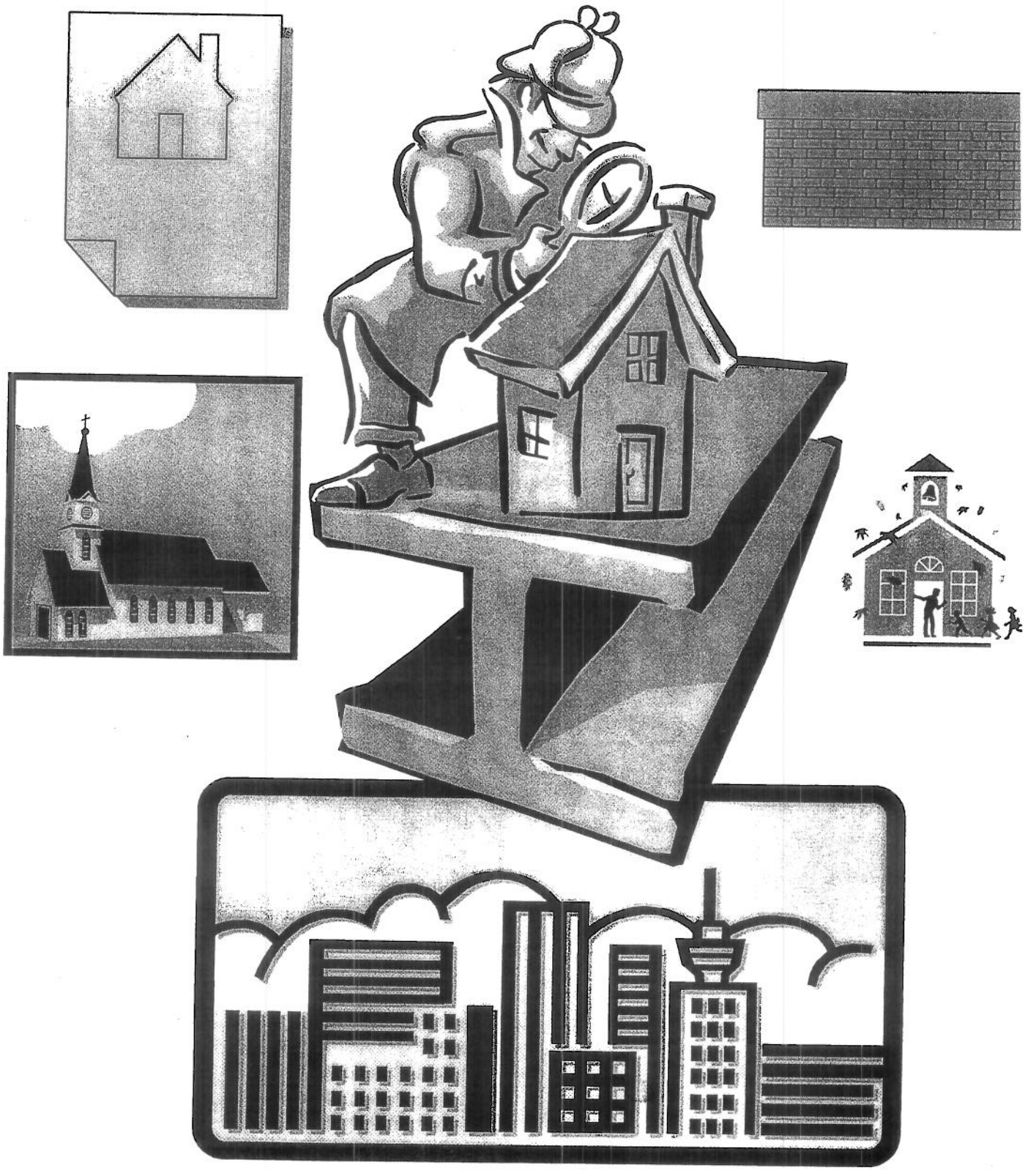
Table 13-56-280
REQUIRED SEPARATIONS IN BUILDINGS OF MIXED OCCUPANCY
Fire Resistive Ratings in Hours

Occupancy Classification	A	B	C-1	C-2	C-3	D	E	F	G	H-1 H-2	H-3	I
A. Residential		3	4	2	4	4	1	1	4	4	4	(b)
B. Institutional	3		4	4	3	4	4	4(c)	(b)	4(c)	4(c)	(b)
C-1. Large assembly	4	4		4	4	4	4	4	4(c)	4(c)	4(c)	(b)
C-2. Small assembly	2	4	4		4	2	2	2	4	4	4	(b)
C-3. Schools	4	3	4	4	(e)	4	2	4	4(c)	4(c)	4(c)	(b)
D. Open air assembly	4	4	4	2	4		4	4	4	4	4	(b)
E. Business	1	4	4	2	2	4		(a)	(a)	(a)	2	4
F. Mercantile	1	4(c)	4	2	4	4	(a)		3	(a)	3	(b)
G. Industrial	4	(b)	4(c)	4	4(c)	4	(a)	3		(a)	4	4
H-1 & H-2. Storage	4	4(c)	4(c)	4	4(c)	4	(a)	(a)	(a)		4	4
H-3. Garages	4	4(c)	4(c)	4	4(c)	4	2	3	4	4		4
I. Hazardous use	(b)	(b)	(b)	(b)	(b)	(b)	4	(b)	4	4	4	

(a) No special separation required.
(b) Mixed occupancy not permitted.
(c) Unpierced separations.
(d) For trade or technical schools, shop portions of schools may be built to comply with requirements for industrial buildings, but shall have four-hour fire separations with double Class A fire doors between shop portions and academic portions of buildings.


20%
SEPARATION FOR
*( ) TRUCK 20% HRS
( ) OVER 20% HRS
TRUCK
JOES FREIGHT SERVICE
HRS
JANES HALFWAY HOUSE
HRS
ALS WORKSHOP
HRS
ARNIE AIRWAY FLIGHT SCHL. (OVER 100)
HRS
JIMS ACID PRODUCTS
HRS
BURGER PALACE (UNDER 100)
HRS
PEACE FUNERAL HOME OCC. 250
HRS
JIMS AUTO BODY SHOP
BILLS SHOE REPAIR
HALLS CARD SHOP
MALL LIVERY STABLE
BEV'S BEAUTY SHOP
HRS
HRS
HRS
HRS
HRS
13-56
OCCUPANCY CLASSIFICATIONS
GIVE OCCUPANCY CLASSIFICATION
GIVE HOURS OF SEPARATIONS
USING TABLE 13-56-280*

BUILDING CONSTRUCTION CH. 13-60
'THE INSPECTORS' GUIDE'



BUILDING CONSTRUCTION
INTRODUCTION
(CH. 13-60)

According to our code there four (4) basic types of building construction. THEY ARE AS FOLLOWS:

TYPE 1- Fire Resistive TYPE 11- Noncombustible

TYPE 111- Exterior Protected TYPE 1V- Combustible Frame

That these classifications range from Type 1 (the best) to Type 1V (the least) are according to the character of the materials employed in their construction, their method of assembly and the fire resistance which they afford. Each construction type employs several elements, some of which are structural and some of which are not. Structural elements include....bearing walls and partitions, floors, ceilings, roofs and their supports, as well as columns, beams, girders and trusses. Nonstructural elements include..... nonbearing walls and partitions.

The following pages will include a brief synopsis of each type of building construction. Study them and know what to expect when you encounter these various constructions types on your inspection rounds. Know them and be able to classify each type of construction with professional accuracy.

Remember, you may have to change a buildings construction classification because of a previous incorrect classification or 'typo' on the I.C.N. or maybe an addition of another construction type has been introduced since the last inspection! In such a case, without separations, the lesser construction takes president.

Following the synopsis pages of building construction types will be a short quiz designed to teach you how to research and use ch. 13-160 and to learn some specifics on each of the construction types.

Remember, along with OCCUPANCY and HEIGHT and AREA LIMITATIONS---- BUILDING CONSTRUCTION is the Bread and Butter of our code book!

BUILDING CONSTRUCTION

A. TYPE I

1. FIRE RESISTIVE - 4 HR. RATING

   a. Reinforced concrete floors, walls, and roof.

   b. Steel columns and beams enclosed in concrete, brick, or sprayed with a fireproofing material insulating these members against a dangerous rise in temperature.

   c. The only thing that burns in this type are the contents. Hot, steamy fire.

2. EXAMPLES

   a. Schools

   b. High Rises

   c. Skyscrapers

3. MOST RESISTIVE TO COLLAPSE

B. TYPE II

1. NON-COMBUSTIBLE

   a. Structure built entirely of non-combustible materials but without fireproofing protection for the structural members.

      1. Open unprotected steel beams and columns.

      2. Exterior brick, concrete or corregated steel walls. Usually one story high.

      3. Bar Joist Roof.

2. FIRE LOAD IS IMPORTANT IN THIS TYPE CONSTRUCTION

   a. Good for low to moderate hazard occupancies.

   b. Critical stock is furnishings, paper, ordinary combustibles.