




## MEMORANDUM

**TO:** Board of Building Appeals (BOBA) Members

**FROM:** William J. Heniff, AICP, Director of Community Development 

**MEETING DATE:** May 2, 2018

**SUBJECT:** **Text Amendments to Section 150.030 of the Building Code – Construction Type IIB and IIIB Limitations**

As the Board of Building Appeals (BOBA) is aware, the Community Development Department seeks to advance local code amendments that reflect emerging construction trends as well as regulations that are tied to the overall provisions to nationally adopted methods and standards. To this end, staff is bringing forward further amendments to the local provisions of the Building Code (Chapter 150 of the Code of Ordinances) as it pertains to buildings utilizing Construction Type IIB and IIIB.

### **BACKGROUND**

In 2002, the Village Board adopted Ordinance 5210, which relaxed the limitations previously established within the Village's local Building Code amendments for selected storage building activities. This action was the direct result of the Lombard Park District's desire to construct the Sunset Knoll Maintenance facility at 995 S. Columbine Avenue. The amendments referenced the previously adopted Building Officials and Code Administrators International Code (BOCA) standards and provided for the building to be constructed with Type 2C construction, which was previously restricted to building in the I Industrial zoning district. The Type 2C construction limitations were slightly relaxed to allow for the construction type to be permissible in the Village Conservation/Recreation C/R Districts, subject to provisions set forth within the attached Ordinance.

Since the approval, the Village subsequently adopted the International Building Code (IBC) as the primary regulatory document for construction activity and Sub-type C within use classifications was eliminated. The Village Code therefore currently reads as follows:

*§ 150.030 - Adoption by reference.*

*All provisions as listed in the International Building Code, 2012 Edition, are incorporated by reference with the following changes:*

*Chapter 6: Construction Type Limitations.*

*Construction type IIB and IIIB shall be limited to Industrial Districts and certain CR districts only.*

*Exception: Type IIB construction can be used for parking garage construction where unprotected structural members support only the parking garage itself.*

*Building of Type IIB and IIIB construction shall be located not less than 15 feet from another building on the same principal lot unless the wall facing such adjoining building is constructed of materials providing fire resisting of not less than two hours and with all openings protected as required.*

For reference, Construction Type IIB is all non-combustible construction, so there is no issue with the higher hazards. Construction Type IIIB is non-combustible exterior walls, but wood interior walls (including load bearing interior walls). Having load bearing wood walls and floors with high hazards would not be advisable, and likely raise concerns with Fire Department response.

### **PROPOSED AMENDMENTS**

Since the 2002 amendment was approved, trends in development suggest that a review of this provision is warranted. Designating Construction Type by referencing the underlying zoning classification is not logically consistent with the manner in which the building is to be utilized. The Village recognizes that some storage uses would be quite appropriate if constructed out of permissible Type IIB and IIIB methods. Awareness of this dichotomy was evident as part of the Village's own desired use of Type IIB construction for the Village's own Underground Utilities' storage building. However, the underlying O Office zoning designation would preclude the method.

Conversely, and based upon emerging trends in industrial zoning districts, some industrial zoning district land uses are not truly industrial in nature and may include a mix of assembly or mercantile related uses for which Type IIB and IIIB construction may not be appropriate.

To address this matter, staff is proposing that the local Building Code amendments tie Construction Type to the Use and Occupancy Classification set forth within the IBC (see attached document), rather than the Zoning Ordinance provisions. Such a change is supported as the nexus between construction classifications is stronger than zoning designation. As proposed, the amended code would read as follows (strikeout referencing deletions and underscore referencing additions):

Chapter 6: Construction Type Limitations.

Construction Type IIB ~~and Type IIIB~~ shall be limited to ~~Industrial Districts and certain CR districts only~~ Use and Occupancy Classification Groups F (Factory), S (Storage) and U (Utility and Miscellaneous).

Construction Type IIIB shall be limited to Use and Occupancy Classification Groups F-2 (Low-hazard factories-assemble non-combustibles), S-2 (Low hazard storage mainly non-combustibles) and U (Utility and Miscellaneous). Furthermore, Type IIIB Construction shall also be limited to structures of two (2) stories or less.

Exception: Type IIB construction can be used for parking garage construction where unprotected structural members support only the parking garage itself.

~~Building of Type IIB and IIIB construction shall be located not less than 15 feet from another building on the same principal lot unless the wall facing such adjoining building is constructed of materials providing fire resisting of not less than two hours and with all openings protected as required.~~

The above paragraph strikeout is offer for further clarity purposes and not needed as the provisions are incorporated into the IBC.

**ACTION REQUESTED**

Staff is placing this matter on the May 2, 2018 BOBA agenda for consideration. Staff recommends an amendment to Section 150.030 of the Building Code in that Construction Type IIB and IIIB limitations be tied to the provisions set forth within the Use and Occupancy Classifications of the IBC in lieu of the Lombard Zoning Ordinance.



**TO** : **William T. Lichter, Village Manager**

**FROM** : **George E. Seagraves, Fire Chief**

**RE** : **ORDINANCE AMENDING TITLE 15, CHAPTER 150  
SECTION 150.030 OF THE LOMBARD VILLAGE CODE**

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Please place before the Board of Trustees at the November 7, 2002 Regular Meeting, an amendment to the Lombard Building Code.

The Lombard Park District wishes to construct a new maintenance facility at Sunset Knoll. In their consideration of this structure they wish to build to a BOCA Type 2C Construction. Type 2C is a metal-type building (often referred to as a Butler Building). Currently this type of construction is only allowed in the industrial districts in Lombard. The buildings are industrial in their general appearance. The appearance can be softened with façade enhancements. As with all buildings the Type 2C of building requires maintenance. In general these buildings do not age as gracefully as other types of building construction.

The amendment proposed by staff took into consideration that this building should be limited to certain areas of Lombard. The Conservation/Recreational Zoning and a minimum of 30 acres limit this building to only five (5) parks in Lombard. The recommended change also is a demonstration of our confidence in the Park District to maintain this type of building. The location of the building is limited to large pieces of land with the C.R. Zoning.

The amendment was reviewed by the Board of Building Appeals at their meeting of October 28, 2002. The Board members were concerned that this type of building should not be allowed in any of the other parks. The members did support the use of the 2C construction as proposed in this specific location and the type of use. The siting of the building next to Illinois Route 53 provided BOBA members the capability to limit this type of construction not only to sites 30 acres or greater but the site had to be contiguous to a state highway. The proposed building will be addressed on Illinois Route 53.



The amendment was supported by BOBA with the additional change of the site being contiguous to a state highway. The vote outcome was 2 Ayes, and 1 Abstain.

The proposed amendment comes to the Board of Trustees without a BOBA recommendation. Steve Flynt abstained from the vote because he is the lead architect for ARCON, the architects for the project. A recommendation would require 3 votes in the majority.

The Fire Department and the members of BOBA (unofficially) recommend adoption of the amendment.

The attached Ordinance was reviewed and prepared by the Village of Lombard's Legal Department.

GES:lh

Attachment

## CHAPTER 3

# USE AND OCCUPANCY CLASSIFICATION

### SECTION 301 GENERAL

**301.1 Scope.** The provisions of this chapter shall control the classification of all buildings and structures as to use and occupancy.

### SECTION 302 CLASSIFICATION

**302.1 General.** Structures or portions of structures shall be classified with respect to occupancy in one or more of the groups listed in this section. A room or space that is intended to be occupied at different times for different purposes shall comply with all of the requirements that are applicable to each of the purposes for which the room or space will be occupied. Structures with multiple occupancies or uses shall comply with Section 508. Where a structure is proposed for a purpose that is not specifically provided for in this code, such structure shall be classified in the group that the occupancy most nearly resembles, according to the fire safety and relative hazard involved.

1. Assembly (see Section 303): Groups A-1, A-2, A-3, A-4 and A-5
2. Business (see Section 304): Group B
3. Educational (see Section 305): Group E
4. Factory and Industrial (see Section 306): Groups F-1 and F-2
5. High Hazard (see Section 307): Groups H-1, H-2, H-3, H-4 and H-5
6. Institutional (see Section 308): Groups I-1, I-2, I-3 and I-4
7. Mercantile (see Section 309): Group M
8. Residential (see Section 310): Groups R-1, R-2, R-3 and R-4
9. Storage (see Section 311): Groups S-1 and S-2
10. Utility and Miscellaneous (see Section 312): Group U

### SECTION 303 ASSEMBLY GROUP A

**303.1 Assembly Group A.** Assembly Group A occupancy includes, among others, the use of a building or structure, or a portion thereof, for the gathering of persons for purposes such as civic, social or religious functions; recreation, food or drink consumption or awaiting transportation.

**303.1.1 Small buildings and tenant spaces.** A building or tenant space used for assembly purposes with an *occupant load* of less than 50 persons shall be classified as a Group B occupancy.

**303.1.2 Small assembly spaces.** The following rooms and spaces shall not be classified as Assembly occupancies:

1. A room or space used for assembly purposes with an *occupant load* of less than 50 persons and accessory to another occupancy shall be classified as a Group B occupancy or as part of that occupancy.
2. A room or space used for assembly purposes that is less than 750 square feet (70 m<sup>2</sup>) in area and accessory to another occupancy shall be classified as a Group B occupancy or as part of that occupancy.

**303.1.3 Associated with Group E occupancies.** A room or space used for assembly purposes that is associated with a Group E occupancy is not considered a separate occupancy.

**303.1.4 Accessory to places of religious worship.** Accessory religious educational rooms and religious auditoriums with *occupant loads* of less than 100 are not considered separate occupancies.

**303.2 Assembly Group A-1.** Assembly uses, usually with fixed seating, intended for the production and viewing of the performing arts or motion pictures including, but not limited to:

- Motion picture theaters
- Symphony and concert halls
- Television and radio studios admitting an audience
- Theaters

**303.3 Assembly Group A-2.** Assembly uses intended for food and/or drink consumption including, but not limited to:

- Banquet halls
- Casinos (gaming areas)
- Nightclubs
- Restaurants, cafeterias and similar dining facilities (including associated commercial kitchens)
- Taverns and bars

**303.4 Assembly Group A-3.** Assembly uses intended for worship, recreation or amusement and other assembly uses not classified elsewhere in Group A including, but not limited to:

- Amusement arcades
- Art galleries
- Bowling alleys
- Community halls
- Courtrooms
- Dance halls (not including food or drink consumption)
- Exhibition halls
- Funeral parlors
- Gymnasiums (without spectator seating)
- Indoor *swimming pools* (without spectator seating)
- Indoor tennis courts (without spectator seating)
- Lecture halls
- Libraries



## USE AND OCCUPANCY CLASSIFICATION

Museums  
*Places of religious worship*  
Pool and billiard parlors  
Waiting areas in transportation terminals

**303.5 Assembly Group A-4.** Assembly uses intended for viewing of indoor sporting events and activities with spectator seating including, but not limited to:

Arenas  
Skating rinks  
*Swimming pools*  
Tennis courts

**303.6 Assembly Group A-5.** Assembly uses intended for participation in or viewing outdoor activities including, but not limited to:

Amusement park structures  
*Bleachers*  
*Grandstands*  
Stadiums

### SECTION 304 BUSINESS GROUP B

**304.1 Business Group B.** Business Group B occupancy includes, among others, the use of a building or structure, or a portion thereof, for office, professional or service-type transactions, including storage of records and accounts. Business occupancies shall include, but not be limited to, the following:

Airport traffic control towers  
*Ambulatory care facilities*  
Animal hospitals, kennels and pounds  
Banks  
Barber and beauty shops  
Car wash  
Civic administration  
*Clinic, outpatient*  
Dry cleaning and laundries: pick-up and delivery stations and self-service  
Educational occupancies for students above the 12th grade  
Electronic data processing  
Laboratories: testing and research  
Motor vehicle showrooms  
Post offices  
Print shops  
Professional services (architects, attorneys, dentists, physicians, engineers, etc.)  
Radio and television stations  
Telephone exchanges  
Training and skill development not within a school or academic program

**304.2 Definitions.** The following terms are defined in Chapter 2:

**AMBULATORY CARE FACILITY.**

**CLINIC, OUTPATIENT.**

### SECTION 305 EDUCATIONAL GROUP E

**305.1 Educational Group E.** Educational Group E occupancy includes, among others, the use of a building or structure, or a portion thereof, by six or more persons at any one time for educational purposes through the 12th grade.

**305.1.1 Accessory to places of religious worship.** Religious educational rooms and religious auditoriums, which are accessory to *places of religious worship* in accordance with Section 303.1.4 and have *occupant loads* of less than 100, shall be classified as Group A-3 occupancies.

**305.2 Group E, day care facilities.** This group includes buildings and structures or portions thereof occupied by more than five children older than 2½ years of age who receive educational, supervision or *personal care services* for fewer than 24 hours per day.

**305.2.1 Within places of religious worship.** Rooms and spaces within *places of religious worship* providing such day care during religious functions shall be classified as part of the primary occupancy.

**305.2.2 Five or fewer children.** A facility having five or fewer children receiving such day care shall be classified as part of the primary occupancy.

**305.2.3 Five or fewer children in a dwelling unit.** A facility such as the above within a *dwelling unit* and having five or fewer children receiving such day care shall be classified as a Group R-3 occupancy or shall comply with the *International Residential Code*.

### SECTION 306 FACTORY GROUP F

**306.1 Factory Industrial Group F.** Factory Industrial Group F occupancy includes, among others, the use of a building or structure, or a portion thereof, for assembling, disassembling, fabricating, finishing, manufacturing, packaging, repair or processing operations that are not classified as a Group H hazardous or Group S storage occupancy.

**306.2 Moderate-hazard factory industrial, Group F-1.** Factory industrial uses which are not classified as Factory Industrial F-2 Low Hazard shall be classified as F-1 Moderate Hazard and shall include, but not be limited to, the following:

Aircraft (manufacturing, not to include repair)  
Appliances  
Athletic equipment  
Automobiles and other motor vehicles  
Bakeries  
Beverages: over 16-percent alcohol content  
Bicycles  
Boats  
Brooms or brushes  
Business machines  
Cameras and photo equipment  
Canvas or similar fabric  
Carpets and rugs (includes cleaning)  
Clothing



Construction and agricultural machinery  
 Disinfectants  
 Dry cleaning and dyeing  
 Electric generation plants  
 Electronics  
 Engines (including rebuilding)  
 Food processing and commercial kitchens not associated with restaurants, cafeterias and similar dining facilities  
 Furniture  
 Hemp products  
 Jute products  
 Laundries  
 Leather products  
 Machinery  
 Metals  
 Millwork (sash and door)  
 Motion pictures and television filming (without spectators)  
 Musical instruments  
 Optical goods  
 Paper mills or products  
 Photographic film  
 Plastic products  
 Printing or publishing  
 Recreational vehicles  
 Refuse incineration  
 Shoes  
 Soaps and detergents  
 Textiles  
 Tobacco  
 Trailers  
 Upholstering  
 Wood; distillation  
 Woodworking (cabinet)

**306.3 Low-hazard factory industrial, Group F-2.** Factory industrial uses that involve the fabrication or manufacturing of noncombustible materials which during finishing, packing or processing do not involve a significant fire hazard shall be classified as F-2 occupancies and shall include, but not be limited to, the following:

Beverages: up to and including 16-percent alcohol content  
 Brick and masonry  
 Ceramic products  
 Foundries  
 Glass products  
 Gypsum  
 Ice  
 Metal products (fabrication and assembly)

**SECTION 307  
 HIGH-HAZARD GROUP H**

**[F] 307.1 High-hazard Group H.** High-hazard Group H occupancy includes, among others, the use of a building or structure, or a portion thereof, that involves the manufacturing, processing, generation or storage of materials that constitute a physical or health hazard in quantities in excess of those allowed in *control areas* complying with Section 414, based on the maximum allowable quantity limits for *control*

*areas* set forth in Tables 307.1(1) and 307.1(2). Hazardous occupancies are classified in Groups H-1, H-2, H-3, H-4 and H-5 and shall be in accordance with this section, the requirements of Section 415 and the *International Fire Code*. Hazardous materials stored, or used on top of roofs or canopies shall be classified as outdoor storage or use and shall comply with the *International Fire Code*.

**Exceptions:** The following shall not be classified as Group H, but shall be classified as the occupancy that they most nearly resemble.

1. Buildings and structures occupied for the application of flammable finishes, provided that such buildings or areas conform to the requirements of Section 416 and the *International Fire Code*.
2. Wholesale and retail sales and storage of flammable and combustible liquids in mercantile occupancies conforming to the *International Fire Code*.
3. Closed piping system containing flammable or combustible liquids or gases utilized for the operation of machinery or equipment.
4. Cleaning establishments that utilize combustible liquid solvents having a flash point of 140°F (60°C) or higher in closed systems employing equipment *listed* by an *approved* testing agency, provided that this occupancy is separated from all other areas of the building by 1-hour *fire barriers* constructed in accordance with Section 707 or 1-hour *horizontal assemblies* constructed in accordance with Section 711, or both.
5. Cleaning establishments that utilize a liquid solvent having a flash point at or above 200°F (93°C).
6. Liquor stores and distributors without bulk storage.
7. Refrigeration systems.
8. The storage or utilization of materials for agricultural purposes on the premises.
9. Stationary batteries utilized for facility emergency power, uninterruptable power supply or telecommunication facilities, provided that the batteries are provided with safety venting caps and *ventilation* is provided in accordance with the *International Mechanical Code*.
10. Corrosives shall not include personal or household products in their original packaging used in retail display or commonly used building materials.
11. Buildings and structures occupied for aerosol storage shall be classified as Group S-1, provided that such buildings conform to the requirements of the *International Fire Code*.
12. Display and storage of nonflammable solid and nonflammable or noncombustible liquid hazardous materials in quantities not exceeding the maximum allowable quantity per *control area* in Group M or S occupancies complying with Section 414.2.5.
13. The storage of black powder, smokeless propellant and small arms primers in Groups M and R-3 and

## USE AND OCCUPANCY CLASSIFICATION

special industrial explosive devices in Groups B, F, M and S, provided such storage conforms to the quantity limits and requirements prescribed in the *International Fire Code*.

[F] 307.1.1 **Hazardous materials.** Hazardous materials in any quantity shall conform to the requirements of this code, including Section 414, and the *International Fire Code*.

[F] 307.2 **Definitions.** The following terms are defined in Chapter 2:

### **AEROSOL.**

Level 1 aerosol products.

Level 2 aerosol products.

Level 3 aerosol products.

### **AEROSOL CONTAINER.**

### **BALED COTTON.**

### **BALED COTTON, DENSELY PACKED.**

### **BARRICADE.**

Artificial barricade.

Natural barricade.

### **BOILING POINT.**

### **CLOSED SYSTEM.**

### **COMBUSTIBLE DUST.**

### **COMBUSTIBLE FIBERS.**

### **COMBUSTIBLE LIQUID.**

Class II.

Class IIIA.

Class IIIB.

### **COMPRESSED GAS.**

### **CONTROL AREA.**

### **CORROSIVE.**

### **CRYOGENIC FLUID.**

### **DAY BOX.**

### **DEFLAGRATION.**

### **DETONATION.**

### **DISPENSING.**

### **EXPLOSION.**

### **EXPLOSIVE.**

High explosive.

Low explosive.

Mass-detonating explosives.

UN/DOTn Class 1 explosives.

Division 1.1.

Division 1.2.

Division 1.3.

Division 1.4.

Division 1.5.

Division 1.6.

### **FIREWORKS.**

Fireworks, 1.3G.

Fireworks, 1.4G.

### **FLAMMABLE GAS.**

### **FLAMMABLE LIQUEFIED GAS.**

### **FLAMMABLE LIQUID.**

Class IA.

Class IB.

Class IC.

### **FLAMMABLE MATERIAL.**

### **FLAMMABLE SOLID.**

### **FLASH POINT.**

### **HANDLING.**

### **HAZARDOUS MATERIALS.**

### **HEALTH HAZARD.**

### **HIGHLY TOXIC.**

### **INCOMPATIBLE MATERIALS.**

### **INERT GAS.**

### **OPEN SYSTEM.**

### **OPERATING BUILDING.**

### **ORGANIC PEROXIDE.**

Class I.

Class II.

Class III.

Class IV.

Class V.

Unclassified detonable.

### **OXIDIZER.**

Class 4.

Class 3.

Class 2.

Class 1.

### **OXIDIZING GAS.**

### **PHYSICAL HAZARD.**

### **PYROPHORIC.**

### **PYROTECHNIC COMPOSITION.**

### **TOXIC.**

### **UNSTABLE (REACTIVE) MATERIAL.**

Class 4.

Class 3.

Class 2.

Class 1.



**WATER-REACTIVE MATERIAL.**

Class 3.

Class 2.

Class 1.

[F] 307.3 High-hazard Group H-1. Buildings and structures containing materials that pose a detonation hazard shall be classified as Group H-1. Such materials shall include, but not be limited to, the following:

Detonable pyrophoric materials  
Explosives:

- Division 1.1
- Division 1.2
- Division 1.3
- Division 1.4
- Division 1.5
- Division 1.6

Organic peroxides, unclassified detonable  
Oxidizers, Class 4

Unstable (reactive) materials, Class 3 detonable and Class 4

[F] 307.3.1 Occupancies containing explosives not classified as H-1. The following occupancies containing explosive materials shall be classified as follows:

1. Division 1.3 explosive materials that are used and maintained in a form where either confinement or configuration will not elevate the hazard from a mass fire to mass explosion hazard shall be allowed in H-2 occupancies.
2. Articles, including articles packaged for shipment, that are not regulated as a Division 1.4 explosive under Bureau of Alcohol, Tobacco, Firearms and Explosives regulations, or unpackaged articles used in process operations that do not propagate a detonation or deflagration between articles shall be allowed in H-3 occupancies.

[F] TABLE 307.1(1)  
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD<sup>a, i, m, n, p</sup>

MATERIAL	CLASS	GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED	STORAGE <sup>b</sup>			USE-CLOSED SYSTEMS <sup>b</sup>			USE-OPEN SYSTEMS <sup>b</sup>	
			Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)
Combustible dust	N/A	H-2	Note q	N/A	N/A	Note q	N/A	N/A	Note q	N/A
Combustible liquid <sup>c, i</sup>	II	H-2 or H-3	N/A	120 <sup>d, e</sup>	N/A	N/A	120 <sup>d</sup>	N/A	N/A	30 <sup>d</sup>
	IIIA	H-2 or H-3	N/A	330 <sup>d, e</sup>	N/A	N/A	330 <sup>d</sup>	N/A	N/A	80 <sup>d</sup>
	IIIB	N/A	N/A	13,200 <sup>e, f</sup>	N/A	N/A	13,200 <sup>f</sup>	N/A	N/A	3,300 <sup>f</sup>
Combustible fiber	Loose Baled <sup>o</sup>	H-3	(100) (1,000)	N/A	N/A	(100) (1,000)	N/A	N/A	(20) (200)	N/A
Consumer fireworks	1.4G	H-3	125 <sup>d, e, l</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cryogenics, flammable	N/A	H-2	N/A	45 <sup>d</sup>	N/A	N/A	45 <sup>d</sup>	N/A	N/A	10 <sup>d</sup>
Cryogenics, inert	N/A	N/A	N/A	N/A	NL	N/A	N/A	NL	N/A	N/A
Cryogenics, oxidizing	N/A	H-3	N/A	45 <sup>d</sup>	N/A	N/A	45 <sup>d</sup>	N/A	N/A	10 <sup>d</sup>
Explosives	Division 1.1	H-1	1 <sup>e, g</sup>	(1) <sup>e, g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>
	Division 1.2	H-1	1 <sup>e, g</sup>	(1) <sup>e, g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>
	Division 1.3	H-1 or H-2	5 <sup>e, g</sup>	(5) <sup>e, g</sup>	N/A	1 <sup>g</sup>	(1) <sup>g</sup>	N/A	1 <sup>g</sup>	(1) <sup>g</sup>
	Division 1.4	H-3	50 <sup>e, g</sup>	(50) <sup>e, g</sup>	N/A	50 <sup>g</sup>	(50) <sup>g</sup>	N/A	N/A	N/A
	Division 1.4G	H-3	125 <sup>d, e, l</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Division 1.5	H-1	1 <sup>e, g</sup>	(1) <sup>e, g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>
	Division 1.6	H-1	1 <sup>d, e, g</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flammable gas	Gaseous	H-2	N/A	N/A	1,000 <sup>d, e</sup>	N/A	N/A	1,000 <sup>d, e</sup>	N/A	N/A
	Liquefied			(150) <sup>d, e</sup>	N/A		(150) <sup>d, e</sup>			
Flammable liquid <sup>c</sup>	1A	H-2 or H-3	N/A	30 <sup>d, e</sup>	N/A	N/A	30 <sup>d</sup>	N/A	N/A	10 <sup>d</sup>
	1B and 1C			120 <sup>d, e</sup>			120 <sup>d</sup>			30 <sup>d</sup>
Flammable liquid, combination (1A, 1B, 1C)	N/A	H-2 or H-3	N/A	120 <sup>d, e, h</sup>	N/A	N/A	120 <sup>d, h</sup>	N/A	N/A	30 <sup>d, h</sup>

(continued)



USE AND OCCUPANCY CLASSIFICATION

[F] TABLE 307.1(1)—(continued)

MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD<sup>a, i, m, n, p</sup>

MATERIAL	CLASS	GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED	STORAGE <sup>b</sup>			USE-CLOSED SYSTEMS <sup>b</sup>			USE-OPEN SYSTEMS <sup>b</sup>	
			Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)	Solid pounds (cubic feet)	Liquid gallons (pounds)
Flammable solid	N/A	H-3	125 <sup>d, e</sup>	N/A	N/A	125 <sup>d</sup>	N/A	N/A	25 <sup>d</sup>	N/A
Inert gas	Gaseous	N/A	N/A	N/A	NL	N/A	N/A	NL	N/A	N/A
	Liquefied	N/A	N/A	N/A	NL	N/A	N/A	NL	N/A	N/A
Organic peroxide	UD	H-1	1 <sup>e, g</sup>	(1) <sup>e, g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>
	I	H-2	5 <sup>d, e</sup>	(5) <sup>d, e</sup>	N/A	1 <sup>d</sup>	(1) <sup>d</sup>	N/A	1 <sup>d</sup>	(1) <sup>d</sup>
	II	H-3	50 <sup>d, e</sup>	(50) <sup>d, e</sup>	N/A	50 <sup>d</sup>	(50) <sup>d</sup>	N/A	10 <sup>d</sup>	(10) <sup>d</sup>
	III	H-3	125 <sup>d, e</sup>	(125) <sup>d, e</sup>	N/A	125 <sup>d</sup>	(125) <sup>d</sup>	N/A	25 <sup>d</sup>	(25) <sup>d</sup>
	IV	N/A	NL	NL	N/A	NL	NL	N/A	NL	NL
	V	N/A	NL	NL	N/A	NL	NL	N/A	NL	NL
Oxidizer	4	H-1	1 <sup>e, g</sup>	(1) <sup>e, g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>	N/A	0.25 <sup>g</sup>	(0.25) <sup>g</sup>
	3 <sup>k</sup>	H-2 or H-3	10 <sup>d, e</sup>	(10) <sup>d, e</sup>	N/A	2 <sup>d</sup>	(2) <sup>d</sup>	N/A	2 <sup>d</sup>	(2) <sup>d</sup>
	2	H-3	250 <sup>d, e</sup>	(250) <sup>d, e</sup>	N/A	250 <sup>d</sup>	(250) <sup>d</sup>	N/A	50 <sup>d</sup>	(50) <sup>d</sup>
	1	N/A	4,000 <sup>e, f</sup>	(4,000) <sup>e, f</sup>	N/A	4,000 <sup>f</sup>	(4,000) <sup>f</sup>	N/A	1,000 <sup>f</sup>	(1,000) <sup>f</sup>
Oxidizing gas	Gaseous	H-3	N/A	N/A	1,500 <sup>d, e</sup>	N/A	N/A	1,500 <sup>d, e</sup>	N/A	N/A
	Liquefied		N/A	(150) <sup>d, e</sup>	N/A	N/A	(150) <sup>d, e</sup>	N/A	N/A	N/A
Pyrophoric material	N/A	H-2	4 <sup>e, g</sup>	(4) <sup>e, g</sup>	50 <sup>e, g</sup>	1 <sup>g</sup>	(1) <sup>g</sup>	10 <sup>e, g</sup>	0	0
Unstable (reactive)	4	H-1	1 <sup>e, g</sup>	(1) <sup>e, g</sup>	10 <sup>g</sup>	0.25 <sup>g</sup>	(0.25) <sup>g</sup>	2 <sup>e, g</sup>	0.25 <sup>g</sup>	(0.25) <sup>g</sup>
	3	H-1 or H-2	5 <sup>d, e</sup>	(5) <sup>d, e</sup>	50 <sup>d, e</sup>	1 <sup>d</sup>	(1) <sup>d</sup>	10 <sup>d, e</sup>	1 <sup>d</sup>	(1) <sup>d</sup>
	2	H-3	50 <sup>d, e</sup>	(50) <sup>d, e</sup>	250 <sup>d, e</sup>	50 <sup>d</sup>	(50) <sup>d</sup>	250 <sup>d, e</sup>	10 <sup>d</sup>	(10) <sup>d</sup>
	1	N/A	NL	NL	NL	NL	NL	NL	NL	NL
Water reactive	3	H-2	5 <sup>d, e</sup>	(5) <sup>d, e</sup>	N/A	5 <sup>d</sup>	(5) <sup>d</sup>	N/A	1 <sup>d</sup>	(1) <sup>d</sup>
	2	H-3	50 <sup>d, e</sup>	(50) <sup>d, e</sup>	N/A	50 <sup>d</sup>	(50) <sup>d</sup>	N/A	10 <sup>d</sup>	(10) <sup>d</sup>
	1	N/A	NL	NL	N/A	NL	NL	N/A	NL	NL

For SI: 1 cubic foot = 0.028 m<sup>3</sup>, 1 pound = 0.454 kg, 1 gallon = 3.785 L.  
 NL = Not Limited; N/A = Not Applicable; UD = Unclassified Detonable

- a. For use of control areas, see Section 414.2.
- b. The aggregate quantity in use and storage shall not exceed the quantity listed for storage.
- c. The quantities of alcoholic beverages in retail and wholesale sales occupancies shall not be limited provided the liquids are packaged in individual containers not exceeding 1.3 gallons. In retail and wholesale sales occupancies, the quantities of medicines, foodstuffs, consumer or industrial products, and cosmetics containing not more than 50 percent by volume of water-miscible liquids with the remainder of the solutions not being flammable, shall not be limited, provided that such materials are packaged in individual containers not exceeding 1.3 gallons.
- d. Maximum allowable quantities shall be increased 100 percent in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. Where Note e also applies, the increase for both notes shall be applied accumulatively.
- e. Maximum allowable quantities shall be increased 100 percent when stored in *approved* storage cabinets, day boxes, gas cabinets or exhausted enclosures or in *listed* safety cans in accordance with Section 5003.9.10 of the *International Fire Code*. Where Note d also applies, the increase for both notes shall be applied accumulatively.
- f. The permitted quantities shall not be limited in a building equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1.
- g. Permitted only in buildings equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1.
- h. Containing not more than the maximum allowable quantity per *control area* of Class IA, IB or IC flammable liquids.
- i. The maximum allowable quantity shall not apply to fuel oil storage complying with Section 603.3.2 of the *International Fire Code*.
- j. Quantities in parenthesis indicate quantity units in parenthesis at the head of each column.
- k. A maximum quantity of 200 pounds of solid or 20 gallons of liquid Class 3 oxidizers is allowed when such materials are necessary for maintenance purposes, operation or sanitation of equipment. Storage containers and the manner of storage shall be *approved*.
- l. Net weight of the pyrotechnic composition of the fireworks. Where the net weight of the pyrotechnic composition of the fireworks is not known, 25 percent of the gross weight of the fireworks, including packaging, shall be used.
- m. For gallons of liquids, divide the amount in pounds by 10 in accordance with Section 5003.1.2 of the *International Fire Code*.
- n. For storage and display quantities in Group M and storage quantities in Group S occupancies complying with Section 414.2.5, see Tables 414.2.5(1) and 414.2.5(2).
- o. Densely packed baled cotton that complies with the packing requirements of ISO 8115 shall not be included in this material class.
- p. The following shall not be included in determining the maximum allowable quantities:
  - 1. Liquid or gaseous fuel in fuel tanks on vehicles.
  - 2. Liquid or gaseous fuel in fuel tanks on motorized equipment operated in accordance with this code.
  - 3. Gaseous fuels in piping systems and fixed appliances regulated by the *International Fuel Gas Code*.
  - 4. Liquid fuels in piping systems and fixed appliances regulated by the *International Mechanical Code*.
- q. Where manufactured, generated or used in such a manner that the concentration and conditions create a fire or explosion hazard based on information prepared in accordance with Section 414.1.3.



[F] TABLE 307.1(2)  
 MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIAL POSING A HEALTH HAZARD<sup>a, b, c, i</sup>

MATERIAL	STORAGE <sup>d</sup>			USE-CLOSED SYSTEMS <sup>d</sup>			USE-OPEN SYSTEMS <sup>d</sup>	
	Solid pounds (cubic feet) <sup>e, f</sup>	Liquid gallons (pounds) <sup>e, f</sup>	Gas (cubic feet at NTP) <sup>e</sup>	Solid pounds <sup>e</sup>	Liquid gallons (pounds) <sup>e</sup>	Gas (cubic feet at NTP) <sup>e</sup>	Solid pounds <sup>e</sup>	Liquid gallons (pounds) <sup>e</sup>
Corrosive	5,000	500	Gaseous 810 <sup>f</sup> Liquefied (150) <sup>h</sup>	5,000	500	Gaseous 810 <sup>f</sup> Liquefied (150) <sup>h</sup>	1,000	100
Highly toxic	10	(10) <sup>h</sup>	Gaseous 20 <sup>g</sup> Liquefied (4) <sup>g, h</sup>	10	(10) <sup>i</sup>	Gaseous 20 <sup>g</sup> Liquefied (4) <sup>g, h</sup>	3	(3) <sup>i</sup>
Toxic	500	(500) <sup>h</sup>	Gaseous 810 <sup>f</sup> Liquefied (150) <sup>f, h</sup>	500	(500) <sup>i</sup>	Gaseous 810 <sup>f</sup> Liquefied (150) <sup>f, h</sup>	125	(125)

For SI: 1 cubic foot = 0.028 m<sup>3</sup>, 1 pound = 0.454 kg, 1 gallon = 3.785 L.

- a. For use of control areas, see Section 414.2.
- b. In retail and wholesale sales occupancies, the quantities of medicines, foodstuffs, consumer or industrial products, and cosmetics, containing not more than 50 percent by volume of water-miscible liquids and with the remainder of the solutions not being flammable, shall not be limited, provided that such materials are packaged in individual containers not exceeding 1.3 gallons.
- c. For storage and display quantities in Group M and storage quantities in Group S occupancies complying with Section 414.2.5, see Tables 414.2.5(1) and 414.2.5(2).
- d. The aggregate quantity in use and storage shall not exceed the quantity listed for storage.
- e. Maximum allowable quantities shall be increased 100 percent in buildings equipped throughout with an *approved automatic sprinkler system* in accordance with Section 903.3.1.1. Where Note f also applies, the increase for both notes shall be applied accumulatively.
- f. Maximum allowable quantities shall be increased 100 percent when stored in approved storage cabinets, gas cabinets or exhausted enclosures as specified in the *International Fire Code*. Where Note e also applies, the increase for both notes shall be applied accumulatively.
- g. Allowed only when stored in approved exhausted gas cabinets or exhausted enclosures as specified in the *International Fire Code*.
- h. Quantities in parenthesis indicate quantity units in parenthesis at the head of each column.
- i. For gallons of liquids, divide the amount in pounds by 10 in accordance with Section 5003.1.2 of the *International Fire Code*.

[F] 307.4 High-hazard Group H-2. Buildings and structures containing materials that pose a deflagration hazard or a hazard from accelerated burning shall be classified as Group H-2. Such materials shall include, but not be limited to, the following:

- Class I, II or IIIA flammable or combustible liquids which are used or stored in normally open containers or systems, or in closed containers or systems pressurized at more than 15 psi (103.4 kPa) gage
- Combustible dusts where manufactured, generated or used in such a manner that the concentration and conditions create a fire or explosion hazard based on information prepared in accordance with Section 414.1.3
- Cryogenic fluids, flammable
- Flammable gases
- Organic peroxides, Class I
- Oxidizers, Class 3, that are used or stored in normally open containers or systems, or in closed containers or systems pressurized at more than 15 psi (103 kPa) gage
- Pyrophoric liquids, solids and gases, nondetonable
- Unstable (reactive) materials, Class 3, nondetonable
- Water-reactive materials, Class 3

[F] 307.5 High-hazard Group H-3. Buildings and structures containing materials that readily support combustion or that pose a physical hazard shall be classified as Group H-3. Such materials shall include, but not be limited to, the following:

- Class I, II or IIIA flammable or combustible liquids that are used or stored in normally closed containers or systems pressurized at 15 pounds per square inch gage

- (103.4 kPa) or less
- Combustible fibers, other than densely packed baled cotton
- Consumer fireworks, 1.4G (Class C, Common)
- Cryogenic fluids, oxidizing
- Flammable solids
- Organic peroxides, Class II and III
- Oxidizers, Class 2
- Oxidizers, Class 3, that are used or stored in normally closed containers or systems pressurized at 15 pounds per square inch gauge (103 kPa) or less
- Oxidizing gases
- Unstable (reactive) materials, Class 2
- Water-reactive materials, Class 2

[F] 307.6 High-hazard Group H-4. Buildings and structures which contain materials that are health hazards shall be classified as Group H-4. Such materials shall include, but not be limited to, the following:

- Corrosives
- Highly toxic materials
- Toxic materials

[F] 307.7 High-hazard Group H-5. Semiconductor fabrication facilities and comparable research and development areas in which hazardous production materials (HPM) are used and the aggregate quantity of materials is in excess of those listed in Tables 307.1(1) and 307.1(2) shall be classified as Group H-5. Such facilities and areas shall be designed and constructed in accordance with Section 415.10.



[F] **307.8 Multiple hazards.** Buildings and structures containing a material or materials representing hazards that are classified in one or more of Groups H-1, H-2, H-3 and H-4 shall conform to the code requirements for each of the occupancies so classified.

**SECTION 308  
INSTITUTIONAL GROUP I**

**308.1 Institutional Group I.** Institutional Group I occupancy includes, among others, the use of a building or structure, or a portion thereof, in which care or supervision is provided to persons who are or are not capable of self-preservation without physical assistance or in which persons are detained for penal or correctional purposes or in which the liberty of the occupants is restricted. Institutional occupancies shall be classified as Group I-1, I-2, I-3 or I-4.

**308.2 Definitions.** The following terms are defined in Chapter 2:

**24-HOUR CARE.**

**CUSTODIAL CARE.**

**DETOXIFICATION FACILITIES.**

**FOSTER CARE FACILITIES.**

**HOSPITALS AND PSYCHIATRIC HOSPITALS.**

**INCAPABLE OF SELF-PRESERVATION.**

**MEDICAL CARE.**

**NURSING HOMES.**

**308.3 Institutional Group I-1.** This occupancy shall include buildings, structures or portions thereof for more than 16 persons who reside on a 24 hour basis in a supervised environment and receive *custodial care*. The persons receiving care are capable of self preservation. This group shall include, but not be limited to, the following:

- Alcohol and drug centers
- Assisted living facilities
- Congregate care facilities
- Convalescent facilities
- Group homes
- Halfway houses
- Residential board and *custodial care* facilities
- Social rehabilitation facilities

**308.3.1 Five or fewer persons receiving care.** A facility such as the above with five or fewer persons receiving such care shall be classified as Group R-3 or shall comply with the *International Residential Code* provided an *automatic sprinkler system* is installed in accordance with Section 903.3.1.3 or with Section P2904 of the *International Residential Code*.

**308.3.2 Six to sixteen persons receiving care.** A facility such as above, housing not fewer than six and not more than 16 persons receiving such care, shall be classified as Group R-4.

**308.4 Institutional Group I-2.** This occupancy shall include buildings and structures used for *medical care* on a 24-hour basis for more than five persons who are *incapable of self-*

*preservation*. This group shall include, but not be limited to, the following:

- Foster care facilities*
- Detoxification facilities*
- Hospitals*
- Nursing homes*
- Psychiatric hospitals*

**308.4.1 Five or fewer persons receiving care.** A facility such as the above with five or fewer persons receiving such care shall be classified as Group R-3 or shall comply with the *International Residential Code* provided an *automatic sprinkler system* is installed in accordance with Section 903.3.1.3 or with Section P2904 of the *International Residential Code*.

**308.5 Institutional Group I-3.** This occupancy shall include buildings and structures that are inhabited by more than five persons who are under restraint or security. An I-3 facility is occupied by persons who are generally *incapable of self-preservation* due to security measures not under the occupants' control. This group shall include, but not be limited to, the following:

- Correctional centers
- Detention centers
- Jails
- Prerelease centers
- Prisons
- Reformatories

Buildings of Group I-3 shall be classified as one of the occupancy conditions indicated in Sections 308.5.1 through 308.5.5 (see Section 408.1).

**308.5.1 Condition 1.** This occupancy condition shall include buildings in which free movement is allowed from sleeping areas, and other spaces where access or occupancy is permitted, to the exterior via *means of egress* without restraint. A Condition 1 facility is permitted to be constructed as Group R.

**308.5.2 Condition 2.** This occupancy condition shall include buildings in which free movement is allowed from sleeping areas and any other occupied *smoke compartment* to one or more other *smoke compartments*. Egress to the exterior is impeded by locked *exits*.

**308.5.3 Condition 3.** This occupancy condition shall include buildings in which free movement is allowed within individual *smoke compartments*, such as within a residential unit comprised of individual *sleeping units* and group activity spaces, where egress is impeded by remote-controlled release of *means of egress* from such a *smoke compartment* to another *smoke compartment*.

**308.5.4 Condition 4.** This occupancy condition shall include buildings in which free movement is restricted from an occupied space. Remote-controlled release is provided to permit movement from *sleeping units*, activity spaces and other occupied areas within the *smoke compartment* to other *smoke compartments*.

**308.5.5 Condition 5.** This occupancy condition shall include buildings in which free movement is restricted from an occupied space. Staff-controlled manual release is



provided to permit movement from *sleeping units*, activity spaces and other occupied areas within the *smoke compartment* to other *smoke compartments*.

**308.6 Institutional Group I-4, day care facilities.** This group shall include buildings and structures occupied by more than five persons of any age who receive *custodial care* for fewer than 24 hours per day by persons other than parents or guardians, relatives by blood, marriage or adoption, and in a place other than the home of the person cared for. This group shall include, but not be limited to, the following:

- Adult day care
- Child day care

**308.6.1 Classification as Group E.** A child day care facility that provides care for more than five but no more than 100 children 2½ years or less of age, where the rooms in which the children are cared for are located on a *level of exit discharge* serving such rooms and each of these child care rooms has an *exit* door directly to the exterior, shall be classified as Group E.

**308.6.2 Within a place of religious worship.** Rooms and spaces within *places of religious worship* providing such care during religious functions shall be classified as part of the primary occupancy.

**308.6.3 Five or fewer persons receiving care.** A facility having five or fewer persons receiving *custodial care* shall be classified as part of the primary occupancy.

**308.6.4 Five or fewer persons receiving care in a dwelling unit.** A facility such as the above within a *dwelling unit* and having five or fewer persons receiving *custodial care* shall be classified as a Group R-3 occupancy or shall comply with the *International Residential Code*.

## SECTION 309 MERCANTILE GROUP M

**309.1 Mercantile Group M.** Mercantile Group M occupancy includes, among others, the use of a building or structure or a portion thereof, for the display and sale of merchandise and involves stocks of goods, wares or merchandise incidental to such purposes and accessible to the public. Mercantile occupancies shall include, but not be limited to, the following:

- Department stores
- Drug stores
- Markets
- Motor fuel-dispensing facilities
- Retail or wholesale stores
- Sales rooms

**309.2 Quantity of hazardous materials.** The aggregate quantity of nonflammable solid and nonflammable or non-combustible liquid hazardous materials stored or displayed in a single *control area* of a Group M occupancy shall not exceed the quantities in Table 414.2.5(1).

## SECTION 310 RESIDENTIAL GROUP R

**310.1 Residential Group R.** Residential Group R includes, among others, the use of a building or structure, or a portion thereof, for sleeping purposes when not classified as an Institutional Group I or when not regulated by the *International Residential Code*.

**310.2 Definitions.** The following terms are defined in Chapter 2:

**BOARDING HOUSE.**

**CONGREGATE LIVING FACILITIES.**

**DORMITORY.**

**GROUP HOME.**

**PERSONAL CARE SERVICE.**

**TRANSIENT.**

**310.3 Residential Group R-1.** Residential occupancies containing *sleeping units* where the occupants are primarily *transient* in nature, including:

- Boarding houses (transient)* with more than 10 occupants
- Congregate living facilities (transient)* with more than 10 occupants
- Hotels (*transient*)
- Motels (*transient*)

**310.4 Residential Group R-2.** Residential occupancies containing *sleeping units* or more than two *dwelling units* where the occupants are primarily permanent in nature, including:

- Apartment houses
- Boarding houses* (nontransient) with more than 16 occupants
- Congregate living facilities* (nontransient) with more than 16 occupants
- Convents
- Dormitories*
- Fraternities and sororities
- Hotels (nontransient)
- Live/work units*
- Monasteries
- Motels (nontransient)
- Vacation timeshare properties

**310.5 Residential Group R-3.** Residential occupancies where the occupants are primarily permanent in nature and not classified as Group R-1, R-2, R-4 or I, including:

- Buildings that do not contain more than two *dwelling units*
- Boarding houses* (nontransient) with 16 or fewer occupants
- Boarding houses (transient)* with 10 or fewer occupants
- Care facilities that provide accommodations for five or fewer persons receiving care
- Congregate living facilities* (nontransient) with 16 or fewer occupants
- Congregate living facilities (transient)* with 10 or fewer occupants

**310.5.1 Care facilities within a dwelling.** Care facilities for five or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the *International Residential Code* provided an *automatic sprinkler system* is installed in accordance with Section 903.3.1.3 or with Section P2904 of the *International Residential Code*.

**310.6 Residential Group R-4.** This occupancy shall include buildings, structures or portions thereof for more than five but not more than 16 persons, excluding staff, who reside on a 24-hour basis in a supervised residential environment and receive *custodial care*. The persons receiving care are capable of self-preservation. This group shall include, but not be limited to, the following:

- Alcohol and drug centers
- Assisted living facilities
- Congregate care facilities
- Convalescent facilities
- Group homes
- Halfway houses
- Residential board and *custodial care* facilities
- Social rehabilitation facilities

Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3, except as otherwise provided for in this code.

### SECTION 311 STORAGE GROUP S

**311.1 Storage Group S.** Storage Group S occupancy includes, among others, the use of a building or structure, or a portion thereof, for storage that is not classified as a hazardous occupancy.

**311.2 Moderate-hazard storage, Group S-1.** Buildings occupied for storage uses that are not classified as Group S-2, including, but not limited to, storage of the following:

- Aerosols, Levels 2 and 3
- Aircraft hangar (storage and repair)
- Bags: cloth, burlap and paper
- Bamboos and rattan
- Baskets
- Belting: canvas and leather
- Books and paper in rolls or packs
- Boots and shoes
- Buttons, including cloth covered, pearl or bone
- Cardboard and cardboard boxes
- Clothing, woolen wearing apparel
- Cordage
- Dry boat storage (indoor)
- Furniture
- Furs
- Glues, mucilage, pastes and size
- Grains
- Horns and combs, other than celluloid
- Leather
- Linoleum
- Lumber

Motor vehicle repair garages complying with the maximum allowable quantities of hazardous materials listed in Table 307.1(1) (see Section 406.8)

- Photo engravings
- Resilient flooring
- Silks
- Soaps
- Sugar
- Tires, bulk storage of
- Tobacco, cigars, cigarettes and snuff
- Upholstery and mattresses
- Wax candles

**311.3 Low-hazard storage, Group S-2.** Includes, among others, buildings used for the storage of noncombustible materials such as products on wood pallets or in paper cartons with or without single thickness divisions; or in paper wrappings. Such products are permitted to have a negligible amount of plastic *trim*, such as knobs, handles or film wrapping. Group S-2 storage uses shall include, but not be limited to, storage of the following:

- Asbestos
- Beverages up to and including 16-percent alcohol in metal, glass or ceramic containers
- Cement in bags
- Chalk and crayons
- Dairy products in nonwaxed coated paper containers
- Dry cell batteries
- Electrical coils
- Electrical motors
- Empty cans
- Food products
- Foods in noncombustible containers
- Fresh fruits and vegetables in nonplastic trays or containers
- Frozen foods
- Glass
- Glass bottles, empty or filled with noncombustible liquids
- Gypsum board
- Inert pigments
- Ivory
- Meats
- Metal cabinets
- Metal desks with plastic tops and *trim*
- Metal parts
- Metals
- Mirrors
- Oil-filled and other types of distribution transformers
- Parking garages, open or enclosed
- Porcelain and pottery
- Stoves
- Talc and soapstones
- Washers and dryers

### SECTION 312 UTILITY AND MISCELLANEOUS GROUP U

**312.1 General.** Buildings and structures of an accessory character and miscellaneous structures not classified in any



specific occupancy shall be constructed, equipped and maintained to conform to the requirements of this code commensurate with the fire and life hazard incidental to their occupancy. Group U shall include, but not be limited to, the following:

- Agricultural buildings
- Aircraft hangars, accessory to a one- or two-family residence (see Section 412.5)
- Barns
- Carports
- Fences more than 6 feet (1829 mm) in height
- Grain silos, accessory to a residential occupancy
- Greenhouses
- Livestock shelters
- Private garages
- Retaining walls
- Sheds
- Stables
- Tanks
- Towers



ORDINANCE NO. 5210

AN ORDINANCE AMENDING TITLE 15, CHAPTER 150,  
SECTION 150.030 OF THE LOMBARD VILLAGE CODE IN REGARD  
TO CONSTRUCTION TYPE LIMITATIONS AS PROVIDED FOR  
IN THE BOCA NATIONAL BUILDING CODE 1990 EDITION

**BE IT ORDAINED** by the President and Board of Trustees of the Village of Lombard,  
DuPage County, Illinois, as follows:

**SECTION 1:** That Title 15, Chapter 150, Section 150.030 of the Lombard Village Code is  
amended by revising the entry therein relative to "Article 4 and 5: Construction Type  
Limitations" to read in its entirety as follows:

"Article 4 and 5: Construction Type Limitations.  
Construction types 2B, 3A, 3B, 5A and 5B are deleted and shall not be used in Fire  
District #1.

Construction type 2C shall be permitted only in the following districts, subject to the conditions  
noted:

- (1) "In the Industrial District, subject to all buildings of Type 2C construction being located  
not less than fifteen (15) feet from an interior lot line and not less than ten (10) feet from  
another building on the same principal lot, unless the wall facing such adjoining building is  
constructed of materials providing fire resistance of not less than two (2) hours and with all  
opening protected as required."
- (2) In the Conservation Recreational District, provided the following conditions are met:
  - (a) "The Conservation Recreational District in question has an area of thirty (30) acres or  
greater and is contiguous to a highway under the jurisdiction of the Illinois Department  
of Transportation (a "State Highway"), with the Type 2C building to be constructed  
thereon to be located such that the closest point of said Type 2C building to the State  
Highway is no greater than one hundred thirty-five (135) feet from said State  
Highway;"
  - (b) "The Type 2C building is ancillary to the principal use of the property;"

ORDINANCE 5210

- (c) "The Type 2C building is used for the storage, repair, maintenance, display, and/or repair, materials for grounds maintenance such as, but not limited to, fertilizer, seeds, plants, gravel and building materials;"
- (d) "The office, reception, waiting and personnel occupancy areas of the Type 2C building shall be limited in total, to no more than twenty-five percent (25 %) of the gross floor area of the Type 2C building;" and
- (e) "The Type 2C building shall be located not less than one hundred (100) feet from all lot lines and all other buildings on the same parcel as the Type 2C building."

SECTION 2: That this Ordinance shall be in full force and effect from and after its passage, approval and publication in pamphlet form as provided by law.

Passed on first reading this \_\_\_\_\_ day of \_\_\_\_\_ 2002.

First reading waived by action of the Board of trustees this 7<sup>th</sup> day of November, 2002.

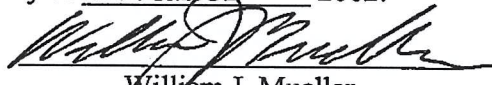
Passed on second reading this 7<sup>th</sup> day of November 2002.

AYES:

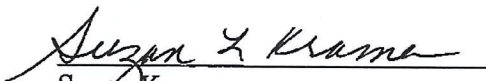
NAYS:

ABSENT:

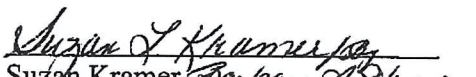
APPROVED this 7<sup>th</sup> day of November 2002.

  
William J. Mueller  
Village President

ATTEST:

  
Suzan Kramer  
Village Clerk

Published by me in pamphlet form this day of 2002.

  
Suzan Kramer  
Village Clerk Deputy Village Clerk