



**Building Code Review Board  
5/11/2022**

**Item:** Removal of Varied Amendments to the Municipal Codes

**Department:** Building & Life Safety

Ch 23 Sec 202, IRC 803.2.2.1 - Allowable Thickness.

Ch 23 Sec 302 IBC 3002.4 - Elevator car to accommodate ambulance stretcher.

Ch 27 Sec 102 IFC 905.12 Existing Buildings.

**ATTACHMENTS:**

**Description**

Ch 23 Sec 202 IRC 803.2.2.1

Ch 23 Sec 302 IBC 3002.4

Ch 27 Sec 102 IFC 905.12

**Type**

Exhibits

Exhibits

Exhibits

## BUILDING REGULATIONS

Newly constructed walls which will contain plumbing drain, waste, and/or vent lines that are installed horizontally through the wall studs, shall be built with a minimum stud size of 2x6.

Add footnote e. to the table title.

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**R602.10 Wall bracing.** Delete the existing language and replace with:

Primary buildings and accessory buildings that shelter automobiles shall be braced using the continuously sheathed wood structural panel method (CS-WSP) listed in Table R602.10.4 in accordance with this Section or shall be designed by a State of Illinois licensed Structural Engineer. Other buildings shall be braced in accordance with this Section or, when applicable, Section R602.12.

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**Table R602.10.4 Bracing Methods.** Replace 3/8" with 1/2" for the minimum thickness of bracing method continuously sheathed wood structural panel.

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**R801.3 Roof drainage.** Delete the following text:

In areas where expansive or collapsible soils are known to exist,

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**R801.3 Roof drainage.** Insert the following after the word *dwelling*:

and accessory structures with a single roof plane that exceeds 100 square feet

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**R802.3 Ridge.** Replace 1 (inch) with 2.

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**R803.2.2.1 Allowable Thickness.** Wood structural panels used as roof sheathing for new construction and/or new additions of primary buildings and/or accessory buildings that shelter automobiles shall be a minimum of 5/8" thick.

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Delete Chapter 11 in its entirety.

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Add this subsection:

**M1602.3 Return air inlets.** Unless approved by the Building Official in writing, non-central return air inlets shall be installed both high and low in each room where return inlets are installed.

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Except as noted in a. below, delete Chapter 25 in its entirety.

a. Section P2503.7 shall remain in effect only as referenced by Section P2904.8.1, list item number 8.

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Except as noted in a. below, delete Chapter 26 in its entirety.

a. Section P2603.5 shall remain in effect only as referenced by Section P2904.2.3, but subsection 2603.5.1 is deleted.

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Delete Chapter 27 in its entirety.

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Delete Chapter 28 in its entirety.

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Except as noted in a. below, delete Chapter 29 in its entirety.

a. Section P2904 shall remain in effect.

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Delete Chapter 30 in its entirety.

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Exception: Sheds and similar types of buildings 100 square feet or less shall not be required to have a foundation.

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**2308.7.3 Ceiling joist and rafter framing.** Change the following:

1(-inch) to 2, and 25 to 51.

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**1907.1 General.** Modify this Section by replacing '3 ½ inches' (89mm) with '4 inches (102 mm)'.

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**2303.1.5 Wood structural panels.** Add the following to the end of the section:

The minimum size wood structural panel used in primary buildings and accessory buildings that shelter automobiles shall be 1/2 inch for floors and 5/8 inch for roofs.

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**2308.6.2 Braced wall panels.** Modify this Section by adding to the end:

Braced wall panel methods for primary buildings and accessory buildings that shelter automobiles shall be limited to methods WSP and PFH listed in Table 2308.6.3(1).

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**3001.2 Emergency elevator communication systems for the deaf, hard of hearing and speech impaired.** Delete this Section in its entirety.

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**3002.4 Elevator car to accommodate ambulance stretcher.** Where elevators are installed, at least one elevator and one elevator per bank shall be provided for Fire Department and ambulance service access to all floors. Such elevator car shall be a minimum interior dimension size of 60 inch by 85 inch and arranged to allow for a stretcher in its horizontal position to enter the elevator. Every elevator meeting these criteria shall be identified by the international symbol for emergency medical services (star of life). The symbols shall be a minimum 3 inch (76mm) by 3 inch (76mm) and placed inside on both sides of the hoistway door frame.

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**Exception:** The Fire Official may approve alternate interior dimensions that allow for a stretcher in its horizontal position to enter the elevator.

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**3005.1 Access.** Modify this Section by adding the following language to the end:

These areas shall not be allowed as the sole passageway to access other areas of the building.

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**3005.4 Machine rooms, control rooms, machinery spaces, and control spaces.** Modify this Section by deleting Exception 2.

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Add the following section:

**3009.1 Certificate of operation.** The operation of all equipment governed by the provisions of this chapter and hereafter installed, relocated, and/or altered shall be unlawful by persons other than the licensed installer until such equipment has been inspected and a certificate of operation has been issued by the Village of Arlington Heights.

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Add the following section:

**3009.2 Posting of certificate of operation.** The owner or lessee shall post the current certificate of operation or a copy of it in a conspicuous place inside the conveyance.

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**Section 3201.4 Drainage.** Modify this Section by adding the following language after the word 'surface':

## ARLINGTON HEIGHTS MUNICIPAL CODE

**903.2.10 Group S-2.** An *automatic sprinkler system* shall be provided throughout all buildings with a Group S-2 fire area.

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**903.2.11.1 Stories without openings.** Delete this Section and subsections in their entirety.

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Add the following section:

**903.2.13 Group B.** An *automatic sprinkler system* shall be provided throughout buildings with a Group B fire area.

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**903.3.5 Water supplies.** Modify this Section by deleting the words 'and the International Plumbing Code', and replacing them with 'the Village of Arlington Heights, and the State of Illinois Plumbing Code.'

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**903.4.3 Floor control valves.** Delete 'in high-rise buildings'.

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**905.4 Location of Class I standpipe hose connections.** Add the following text after the word 'connections':

'with a 2-1/2 inch x 1-1/2 inch reducer and cap and chain'

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**905.5 Location of Class II standpipes hose connections.** Add the following text after the word 'connections':

'with a 2-1/2 inch x 1-1/2 inch reducer and cap and chain'

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**905.12 Existing Buildings.** Add the following at the end:

Elimination of fire hoses from an existing Class III standpipe system is permitted only if all of the following conditions are met:

1. The building is equipped throughout with an automatic sprinkler system in accordance with 903.1.1 or 903.1.2 of the IFC.
2. Provide a 1-1/2" brass cap with chain.
3. Provide a 2-1/2" x 1-1/2" reducer with a 1-1/2" brass cap with a chain on the 2-1/2" fire hose valve.

A permit, including review and approval by the Fire Chief, must be obtained for each building

4. A letter from the building insurance carrier is provided to the Fire Official which states that they are aware of the removal of the hoses.

A permit, including review and approval by the Fire Chief, must be obtained for each building where the fire hoses are to be removed. A final inspection by the Village will be conducted upon completion of the removal.

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**907.2 Where required-new buildings and structures.** Modify this Section by adding the following language after the first paragraph:

All new fire alarm systems shall be capable of sending a wireless signal and shall be monitored by Northwest Central Dispatch. Once accepted, fire alarm system shall not be placed out of service unless approved by the Village. Landlords shall be responsible for tenant systems where leases have ended and/or the tenant is otherwise not maintaining the fire alarm system including the connection to Northwest Central Dispatch.