

AMENDMENT NO. ____
TO
ORDINANCE NO. BL2023-1994

Mr. President –

I hereby move to amend Substitute Ordinance No. BL2023-1994 by amending Section 1 as follows:

Section 1. That Metropolitan Code Section 16.08.012 is hereby amended by creating new subsection G as follows and renumber the existing subsection G and subsequent subsections accordingly:

G. Section 602 of the 2018 Edition of the International Building Code is hereby amended by adding a new Section 602.1.2 as follows:

602.1.2 Alternative provisions for mass timber construction.

As an alternative to construction types defined in Sections 602.2 through 602.5, buildings and structures erected or to be erected, altered, or extended in height or area may be classified as construction Type IV-A, IV-B or IV-C in accordance with Chapter 6 of the 2021 International Building Code (IBC). Buildings and structures classified as Type IV-A, IV-B or IV-C shall comply with all provisions of the 2021 International Building Code and 2021 International Fire Code (IFC) specific to mass timber and the construction type of the building or structure, as well as all other applicable provisions of this code including IFC Appendix J, including provisions for buildings of Type IV construction, with the exception that Appendix J of the 2021 IFC shall be deleted and replaced with the following:

Appendix J

Building Information Sign

Section J101

General

J101.1 Scope. New buildings shall have a building information sign(s) that shall comply with Sections J101.1.1 through J101.7. Existing buildings shall be brought into compliance with Sections J101.1 through J101.9 when one of the following occurs:

1. The fire department conducts an annual inspection intended to verify compliance with this section, or any required inspection.
2. A change in use or occupancy has occurred.

Exceptions:

1. Group U occupancies.
2. One- and two-family dwellings.

J101.1.1 Sign location. The building information sign shall be placed at one of the following locations:

1. Upon the entry door or sidelight at a minimum height of 42 inches (1067 mm) above the walking surface on the address side of the building or structure.
2. Upon the exterior surface of the building or structure on either side of the entry door, not more than 3 feet (914 mm) from the entrance door, at a minimum height of 42 inches (1067 mm) above the walking surface on the address side of the building or structure.
3. Conspicuously placed inside an enclosed entrance lobby, on any vertical surface within 10 feet (3048 mm) of the entrance door at a minimum height of 42 inches (1067 mm) above the walking surface.
4. Inside the building's fire command center.
5. On the exterior of the fire alarm control unit or on the wall immediately adjacent to the fire alarm control unit door where the alarm panel is located in the enclosed main lobby.

J101.1.2 Sign Features. The building information sign shall consist of all of the following:

1. White reflective background with red letters.
2. Durable Material.
3. Numerals shall be Roman or Latin numerals, as required, or alphabet letters.
4. Permanently affixed to the building or structure in an approved manner.

J101.1.3 Sign Shape. The building information sign shall be a Maltese cross as shown in Figure J101.1.3.

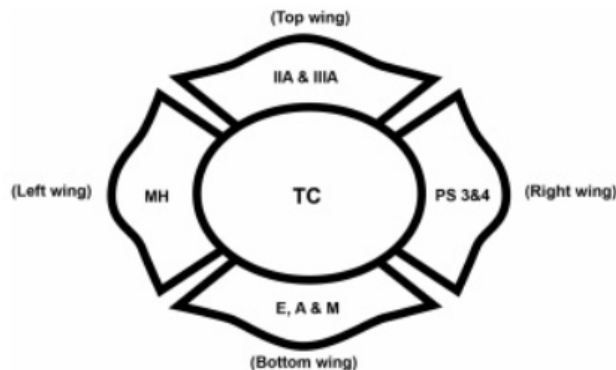


FIGURE J101.1.3 EXAMPLE OF COMPLETED BUILDING INFORMATION SIGN

J101.1.4 Sign size and lettering. The minimum size of the building information sign and lettering shall be in accordance with the following:

1. The width and height shall be 6 inches by 6 inches (152 mm by 152 mm).
2. The height or width of each Maltese cross wing area shall be 1 1/8 inches (29 mm) and have a stroke width of 1/2 inch (12.7 mm).
3. The center of the Maltese cross, a circle or oval, shall be 3 inches (76 mm) in diameter and have a stroke width of 1/2 inch (12.7 mm).

4. All Roman numerals and alphabetic designations, shall be 1 1/4 inch (32 mm) in height and have a stroke width of 1/4 inch (6.4 mm).

J101.2 Sign Designations. Designations shall be made based on the construction type, content, hazard, fire protection systems, life safety and occupancy. Where multiple designations occur within a classification category, the designation used shall be based on the greatest potential risk.

J101.3 Construction Type (Top Wing). The construction types shall be designated by assigning the appropriate Roman numeral, and letter, placed inside the top wing of the Maltese cross. The hourly rating provided is for the structural framing in accordance with Table 601 of the International Building Code.

<u>Construction Type</u>	<u>Fire-Resistance Rating</u>
<u>IA – Noncombustible</u>	<u>3 Hours</u>
<u>IB – Noncombustible</u>	<u>2 Hours</u>
<u>IIA – Noncombustible</u>	<u>1 Hours</u>
<u>IIB – Noncombustible</u>	<u>0 Hours</u>
<u>IVA – Heavy timber (HT)</u>	<u>3 Hours</u>
<u>IVB – Heavy timber (HT)</u>	<u>2 Hours</u>
<u>IVC – Heavy timber (HT)</u>	<u>2 Hours</u>
<u>IVHT – Heavy timber (HT)</u>	<u>HT</u>
<u>VA – Combustible</u>	<u>1 Hours</u>
<u>VB – Combustible</u>	<u>0 Hours</u>

J101.4 Fire Protection Systems (Right Wing). The fire protection system shall be designated by determining its level of protection and assigning the appropriate designation to the right wing of the Maltese cross. Where multiple systems are provided, all shall be listed:

<u>AS</u>	<u>Automatic sprinkler system installed throughout</u>
<u>DS</u>	<u>Dry sprinkler system and designated areas</u>
<u>FA</u>	<u>Fire alarm system</u>
<u>FP</u>	<u>Fire pump</u>

<u>FW</u>	<u>Fire wall and designated areas</u>
<u>PAS</u>	<u>Pre-action sprinkler system and designated floor</u>
<u>PS</u>	<u>Partial automatic sprinkler system, and designated floor</u>
<u>CES</u>	<u>Chemical extinguishing system and designated area</u>
<u>CS</u>	<u>Combination sprinkler and standpipe system</u>
<u>S</u>	<u>Standpipe system</u>
<u>NS</u>	<u>No system installed</u>

J101.5 Occupancy Type (Bottom Wing). The occupancy of a building or structure shall be designated in accordance with the occupancy classification found in Section 302.1 of the International Building Code and the corresponding designation shall be placed in the bottom wing of the Maltese cross. Where a building or structure contains a mixture of uses and occupancies, all uses and occupancies shall be identified.

<u>A</u>	<u>Assembly</u>
<u>B</u>	<u>Business</u>
<u>E</u>	<u>Educational</u>
<u>F</u>	<u>Factory or Industrial</u>
<u>H</u>	<u>High Hazard</u>
<u>I</u>	<u>Institutional</u>
<u>M</u>	<u>Mercantile</u>
<u>R</u>	<u>Residential</u>

J101.6 Hazards of Content (Left Wing). The hazards of building contents shall be designated by one of the following classifications as defined in NFPA 13 and the appropriate designation shall be placed inside the left wing of the Maltese cross:

<u>LH</u>	<u>Light hazard</u>
<u>MH</u>	<u>Moderate hazard</u>

<u>HH</u>	<u>High hazard</u>
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J101.7 Tactical Considerations (Center Circle). The center circle shall include the name of the local fire service and, where required, the letters "TC" for "tactical considerations." Where fire fighters conduct preplan operations, a unique situation(s) for tactical considerations shall be identified and the information provided to the fire dispatch communications center to further assist fire fighters in identifying that there is special consideration(s) for this occupancy. Special consideration designations include, but are not limited to:

1. Impact-resistant drywall.
2. Impact-resistant glazing, such as blast or hurricane-type glass.
3. All types of roof and floor structural members including but not limited to post-tension concrete, bar joists, solid wood joists, rafters, trusses, cold-formed galvanized steel, I-joists and I-beams; green roof with vegetation, soil and plants.
4. Hazardous materials (such as explosives, chemicals, plastics).
5. Solar panels and DC electrical energy.
6. HVAC system; and smoke management system for pressurization and exhaust methods.
7. Other unique characteristic(s) within the building that are ranked according to a potential risk to occupants and fire fighters.

J101.8 Sign Classification Maintenance, Building Information. Sign maintenance shall comply with each of the following:

1. Fire departments in the jurisdiction shall define the designations to be placed within the sign.
2. Fire departments in the jurisdiction shall conduct annual inspections to verify compliance with this section of the code and shall notify the owner, or the owner's agent, of any required updates to the sign in accordance with fire department designations and the owner, or the owner's agent, shall comply within 30 days.
3. The owner of a building shall be responsible for the maintenance and updates to the sign in accordance with fire department designations.

J101.9 Training. Jurisdictions shall train fire department personnel on Sections J101.1 through J101.8.

Section J102

Referenced Standards

J102.1 General. See Table J102.1 for standards that are referenced in various sections of this appendix. Standards are listed by the standard identification with the effective date, standard title, and the section or sections of this appendix that reference the standard.

Table J102.1 Referenced Standards

<u>Standard Acronym</u>	<u>Standard Name</u>	<u>Sections Herein Referenced</u>
<u>IBC--21</u>	<u>International Building Code</u>	<u>J101.3, J101.5</u>

<u>NFPA 13--19</u>	<u><i>Installation of Sprinkler Systems</i></u>	<u>J101.6</u>
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INTRODUCED BY:

Sean Parker
Member of Council