

**2. STRUCTURAL DESIGN SUMMARY**      **PROJECT:** \_\_\_\_\_

**Structural (MBC Part 4) – For all permits and permit stages, this page MUST be FULLY completed.**

**MBC Section 4.1 – Structural Loads and Procedures**

- a. Design loads indicated on drawings, snow, live, wind, etc. (Note: see Subsection 5.2.2)  Yes
- b. Other effects/loads indicated on drawings  Yes

**MBC Section 4.2 – Foundations**

- a. Subsurface investigation (soils) report included  Yes       No

**MBC Section 4.3 – Design Requirements for Structural Materials**

Material reference standards indicated: (check **all** applicable references)

- a. Wood: CSA 086, "Engineering Design in Wood"
- b. Masonry: CSA S304.1, "Design of Masonry Structures"
- c. Concrete: CSA A23.3, "Design of Concrete Structures"
- d. Steel: CAN/CSA S16, "Limit States Design of Steel Structure"
- e. CSA S136, "Cold Formed Steel Structural Members"
- f. Others – if applicable

**Shop Drawings (Div.C-2.2.7.3.)**

*Note: Documents listed below will be submitted prior to installation, if applicable*

- |  | <b>Yes</b>               | <b>N/A</b>               |
|--|--------------------------|--------------------------|
| a. Rigid steel frame, including design summary sheet | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Open web steel joists                             | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Structural connections                            | <input type="checkbox"/> | <input type="checkbox"/> |
| d. I-Joists, open-web wood joists, etc.              | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Roof trusses, including girder trusses            | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Glulam/Structural Composite Lumber (SCL) beams    | <input type="checkbox"/> | <input type="checkbox"/> |
| g. Hollow-core slabs                                 | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Pre-cast structural members                       | <input type="checkbox"/> | <input type="checkbox"/> |
| i. Stairs, handrails and guards                      | <input type="checkbox"/> | <input type="checkbox"/> |
| j. Others – if applicable                            | <input type="checkbox"/> | <input type="checkbox"/> |

**Professional Certificate**

In submitting sealed plans for demolition or construction associated with this project, I am making the following statements:

- I am an architect or engineer entitled to practice as such in the Province of Manitoba and am competent to design and review the plans submitted under my seal.
- I am aware that the City of Winnipeg will rely upon the plans signed and sealed by me and upon this certificate, and will not conduct any plan examination or plan inspection of the plans, as they relate to the following provisions of the current edition of the Manitoba Building Code:
  - Division B
    - Section 3.7 - Health Requirements
    - Section 3.8 – Barrier-Free Design
    - Part 5 - Environmental Separation
    - Elements of Part 6 - Heating, Ventilating and Air-Conditioning
    - Part 7 - Plumbing Services
- I am aware that the City of Winnipeg reserves the right to initiate an audit for code compliance of sealed plans.
- I recognize that, if the City becomes aware that the attached plans are not complete or fail to comply with the Winnipeg Electrical By-law or the Winnipeg Building By-law, which includes the applicable edition of the Manitoba

Building Code, the Manitoba Fire Code, and the Manitoba Plumbing Code, the City may provide this information to the Manitoba Association of Architects (MAA) or the Association of Professional Engineers and Geoscientists of Manitoba (APEGM) by way of a complaint or otherwise.

- I accept responsibility and legal liability for any negligence, misrepresentation or falsification of facts contained in this statement or in the plans under my seal associated with this project. I understand that the City of Winnipeg does not accept responsibility for any errors and omissions in the sealed plans.
- I hereby certify that I have complied with all applicable legislation and professional codes in affixing my seal to the plans, drawings and related documents which are being submitted as part of an application for a permit under the Winnipeg Building By-law.

By affixing my seal, I am representing that:

- I am fully aware of the provisions of the Manitoba Building Code, the Manitoba Plumbing Code and the Manitoba Fire Code that are applicable to these plans and drawings;
- I have applied a professional standard of care to ensure compliance of these plans and drawings with the applicable provisions of these Codes.

**Responsibilities of the Designer:**

I will provide construction reviews as required by Subsection 5.1 of the Winnipeg Building By-Law 4555/87 and Division C - Article 2.2.7.2 of the MBC and, upon completion of the work, I will provide a letter of certification in conformance with Subsection 5.1 of the By-Law.

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***Affix seal with signature and date***