

Structural Design Summary

Project description and address: _____

General information:

1. This document **must** be completed and attached to the application submission. When necessary, additional analyses shall be provided and included with the submission.
2. All references refer to the Manitoba Building Code (MBC).
3. Indicate all items that are not applicable.

Structural (MBC Part 4)

| MBC Section 4.1 – Structural loads and procedures | | | |
|--|--------------------------|---------------------------------|-----|
| a. Design loads indicated on drawings, snow, live, wind, etc. (see Subsection 5.2.2) | <input type="checkbox"/> | Yes | |
| b. Seismic loads considered in design (4.1.8.) | <input type="checkbox"/> | Yes | |
| c. Other effects/loads indicated on drawings | <input type="checkbox"/> | Yes | |
| MBC Section 4.2 – Foundations | | | |
| a. Subsurface investigation (soils) report included | <input type="checkbox"/> | Yes <input type="checkbox"/> 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.” | <input type="checkbox"/> | | |
| b. Masonry: CSA S304, “Design of masonry structures.” | <input type="checkbox"/> | | |
| c. Concrete: CSA A23.3, “Design of concrete structures.” | <input type="checkbox"/> | | |
| d. Steel: CAN/CSA S16, “Design of steel structures.” | <input type="checkbox"/> | | |
| e. CSA S136, “Design of Cold-Formed Steel Structural Members.” | <input type="checkbox"/> | | |
| f. Others (if applicable) _____ | <input type="checkbox"/> | | |
| Shop drawings (Division C-2.2.7.3.) | | Yes | N/A |
| Note: Documents listed below will be submitted prior to installation, if applicable | | | |
| a. Open web steel joists | <input type="checkbox"/> | <input type="checkbox"/> | |
| b. Structural steel connections | <input type="checkbox"/> | <input type="checkbox"/> | |
| c. I-Joists, open-web wood joists, etc. | <input type="checkbox"/> | <input type="checkbox"/> | |
| d. Roof trusses, including girder trusses | <input type="checkbox"/> | <input type="checkbox"/> | |
| e. Glulam/structural composite lumber beams | <input type="checkbox"/> | <input type="checkbox"/> | |
| f. Hollow-core slabs | <input type="checkbox"/> | <input type="checkbox"/> | |
| g. Pre-cast structural members | <input type="checkbox"/> | <input type="checkbox"/> | |
| h. Staircase and/or ramp handrail, guardrail | <input type="checkbox"/> | <input type="checkbox"/> | |

| | | |
|-------------------------|--------------------------|--------------------------|
| i. Mezzanine guardrails | <input type="checkbox"/> | <input type="checkbox"/> |
| j. Balcony guardrails | <input type="checkbox"/> | <input type="checkbox"/> |
| k. Delta beams | <input type="checkbox"/> | <input type="checkbox"/> |
| l. Others – (specify) | <input type="checkbox"/> | <input type="checkbox"/> |

Affix seal with signature and date