

BC BUILDING CODE INTERPRETATION COMMITTEE

A joint committee with members representing
AIBC, EGBC, BOABC

File No: 18-0287

INTERPRETATION

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Interpretation Date:	September 22, 2023
Building Code Edition:	BC Building Code 2018
Subject:	Fire rating for wood frame assemblies
Keywords:	Fire rating, membrane ceilings, wood roof trusses
Building Code Reference(s):	3.1.7.1.(4), Table A-9.10.3.1-B

Question:

For Part 3 wood frame buildings, can the fire resistance of a floor or roof assembly be based on the provisions of Table A-9.10.3.1.- B

Interpretation:

No (with 2 exceptions described in Items 3 & 4 below).

The determination of fire-resistance rating of a floor or roof assembly in a Part 3 building must meet the requirements of Article 3.1.7.1.

This Article provides 4 options for determining fire-resistance ratings:

1. Assemblies that have been tested to CAN/ULC S101,
2. Designed to the requirements of Appendix D,
3. A wood roof assembly with wood trusses is permitted to be assigned a fire-resistance rating in accordance with Assembly Number R1 in Table A-9.10.3.1.- B
4. A ceiling membrane for floor or roof assemblies is permitted to be assigned a fire-resistance rating in accordance with Assembly Number M1 and M2 in Table A-9.10.3.1.- B



Patrick Shek, P.Eng., CP, FEC, Committee Chair

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