



# Washington State Building Code Council

*Improving the built environment by promoting health, safety and welfare*

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## STATE BUILDING CODE INTERPRETATION NO. 19-03

**CODE:** 2015 International Building Code

**SECTION:** 703, Mass Timber Fire Resistance Rating

**QUESTION:** How are fire resistance ratings for connections in mass timber Types IV-A, IV-B, and IV-C determined?

**ANSWER:** Fire resistance ratings for connections in Type IV-A, IV-B, or IV-C construction should be determined by one of the following:

- a. Testing in accordance with the Washington State Amendment to Section 703.2 where the connection is part of the fire resistance test.
- b. Engineering analysis as approved by the code official. Code officials may reference ICC 2021 Group B B S170-19 proposal for guidance. For the purposes of this analysis, the connection includes connectors, fasteners, and portions of wood members included in the structural design of the connection.

**SUPERSEDES:** None

**REQUESTED BY:** City of Seattle