



2021 IBC Question Of The Week

An inspector sees exposed wood structural members and assumes the building must be Type IV-HT. Why could that conclusion be incorrect?

- A) Type IV construction cannot contain exposed wood.
- B) Type IV-C can also incorporate exposed mass-timber elements. 
- C) IV-HT requires all timber to be concealed.
- D) Type IV-A allows the outside face of exterior walls of mass timber construction to be unprotected when a minimum 30-minute fire-resistance rating is provided.

602.4.1 Type IV-A. *Building elements* in Type IV-A construction shall be protected in accordance with Sections 602.4.1.1 through 602.4.1.6. The required *fire-resistance rating* of noncombustible elements and protected *mass timber* elements shall be determined in accordance with Section 703.2.

602.4.1.1 Exterior protection. The outside face of *exterior walls* of *mass timber* construction shall be protected with *noncombustible protection* with a minimum assigned time of 40 minutes, as specified in Table 722.7.1(1). Components of the *exterior wall*

602.4.3 Type IV-C. *Building elements* in Type IV-C construction shall be protected in accordance with Sections 602.4.3.1 through 602.4.3.6. The required *fire-resistance rating* of *building elements* shall be determined in accordance with Section 703.2.

602.4.3.2 Interior protection. *Mass timber* elements are permitted to be unprotected.

