

Fire Resistive Construction - Eaves, Overhangs, Soffits

Soffit sheathing

- *Constructed with noncombustible materials
- * Listed 1 Hour fire-resistant rated assembly
- * Materials having a ASTM flame spread index ≤ 75 (Class B or Class II)
- *Exterior fire-retardant-treated wood
- * 5/8" Type X gypsum board under combustible material

Open Rafter Tails & Roof Beams

- *Per Type IV Construction (Heavy Timber) IBC 2015 602.4
 - * Open Soffit - 2" Tongue & Groove minimum
 - * Soffit Sheathing - 2" Tongue & Groove minimum
 - * Open Rafters, Girders & Beams

Solid Sawn Lumber Glue Laminated Structural Composite
4" w x 6" d min. 3" w x 6 7/8" d min. 3 1/2" w x 5 1/2" d min.

* Roof Post Supports

Solid Sawn Lumber Glue Laminated Structural Composite
6" w x 6" d min. 5" w x 6" d min. 5 1/4" w x 5 1/2" d min.

Fire Resistive Construction - Decks and Attachments

Deck Surfaces

- *Constructed with noncombustible materials
- * Listed 1 Hour fire-resistant rated assembly
- * Materials having a ASTM flame spread index ≤ 75 (Class B or Class II)
- *Approved wood thermoplastic composite lumber
- *Per Type IV Construction (Heavy Timber) IBC 2015 602.4

Deck Framing

- *Constructed with noncombustible materials
- * Listed 1 Hour fire-resistant rated assembly
- * Materials having a ASTM flame spread index ≤ 75 (Class B or Class II)
- *Exterior fire-retardant-treated wood
- *Waterproof Deck - 5/8" Type X gypsum board under combustible material
- *Ignition resistant materials, or other material that complies with established performance requirements
- *Per Type IV Construction (Heavy Timber) IBC 2015 602.4

*Exception:

Joist - 2" nominal size minimum.

Girders, Beams & Post supports - 4" nominal sizing minimum dimension.

Fire Resistive Construction – Exterior Wall & Siding

- *Constructed with noncombustible materials
 - Stone – Brick – Fiber Cement Board – >6" logs
- *Materials having a ASTM flame spread index ≤ 75 (Class B or Class II)
- *Exterior fire-retardant-treated siding
- *1 Hour listed assembly (5/8" Type X gypsum board under combustible siding)
- *Ignition resistant materials on the exterior side. Such material shall extend from top of foundation to the underside of roof sheathing.
- *Per Type IV Construction (Heavy Timber) IBC 2015 602.4

Exterior walls Per 602.4.8.2

**Exception: Trim is not required to meet fire resistive construction for exterior walls.*