## Section D-6 Fire Performance of Exterior Wall Assemblies

## <u>D-6.1.</u> <u>Scope</u>

## **D-6.1.1. Exterior Wall Assemblies**

Table D-6.1.1. shows construction specifications for exterior wall assemblies that are deemed to satisfy the criteria of Clause 3.1.5.5.(1)(b) when tested in accordance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies." These exterior wall assemblies are suitable for use in buildings permitted to be of encapsulated mass timber construction.

Table D-6.1.1.

Construction Specifications for Exterior Wall Assemblies that Are Deemed to Satisfy the Criteria of Clause 3.1.5.5.(1)(b) when Tested in Accordance with CAN/ULC-S134

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Wall Number	Structural Members	Absorptive Material	Sheathing	Cladding	Design	
<u>EXTW-1</u>	38 mm × 89 mm wood studs spaced at 400 mm o.c. (1)(2)	89 mm thick rock or slag fibre in cavities formed by <u>studs(3)(4)</u>	Ē	12.7 mm thick fire-retardant- treated plywood siding <sup>(5)</sup>	<u></u>	
<u>EXTW-2</u>	38 mm × 140 mm wood studs spaced at 400 mm o.c. (1)(2)	140 mm thick rock or slag fibre in cavities formed by studs	Gypsum sheathing ≥ 12.7 mm thick	Noncombustible exterior cladding	<u>GG00530A</u>	
<u>EXTW-3</u>	38 mm × 140 mm wood studs <u>spaced</u> at 400 mm o.c. <sup>(1)(2)</sup>	<u>Slag fibre in</u> <u>cavities</u> <u>formed by</u> <u>studs<sup>(3)(4)</sup></u>	<u>15.9 mm</u> <u>thick</u> fire-retardant- <u>treated</u> <u>plywood</u> (6)	Noncombustible exterior cladding	GG00532A	
<u>EXTW-4</u>	<u>38 mm × 140 mm</u> wood studs <u>spaced</u> at 600 mm o.c. ( <sup>1)(7)</sup> attached to cross-laminated timber (CLT) wall panels ≥ <u>38 mm thick</u> ®	140 mm thick glass, rock or <u>slag fibre in</u> <u>cavities</u> formed by studs	Gypsum sheathing ≥ 12.7 mm thick	<u>Noncombustible</u> <u>exterior</u> <u>cladding</u>	GG00533A	



(8) A water-resistant barrier may be attached to the face of the CLT wall panels.