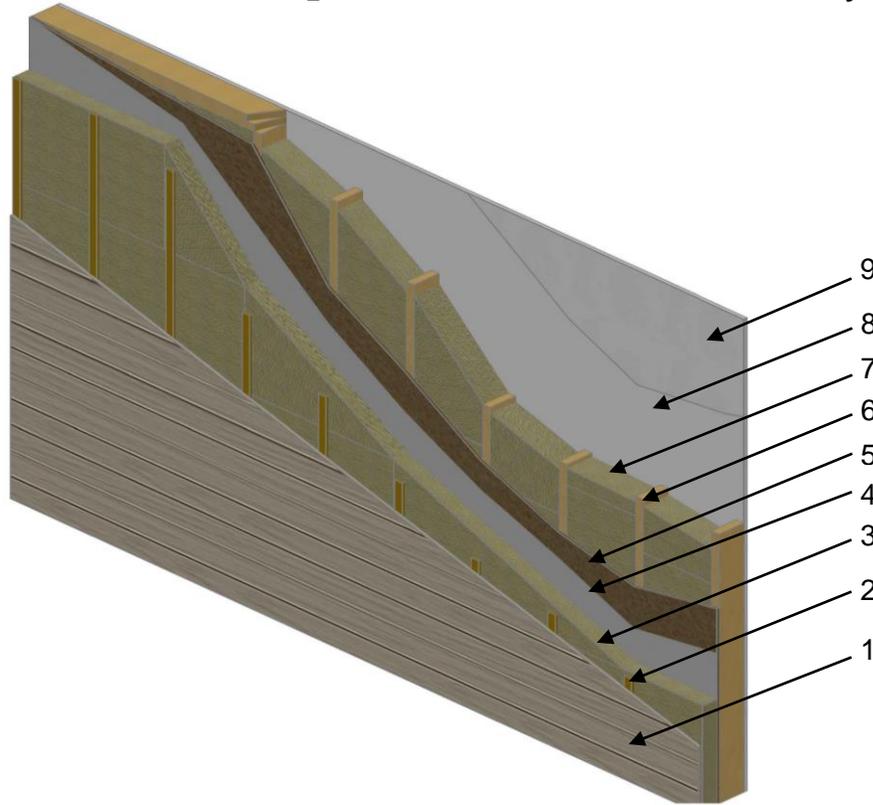


**QAI Design B1067-1b –ROCKWOOL COMFORTBATT® – CAN/ULC S101/ASTM E119  
 1 Hour Restricted-Load Bearing<sup>1</sup> Fire-Resistance Rated Wall Assembly<sup>2</sup>**



No.	COMPONENT	DESCRIPTION
1	<b>Siding</b>	Any exterior cladding product
2	<b>Wood Furring Strips</b>	Minimum Size: ¾-inch (76 mm) thick by 2-inch (51 mm) wide.
		Installation: #8 wood screws spaced a minimum of 24 inches (610 mm) vertically. Screws to be sufficient length to penetrate a minimum 1-inch (25 mm) into wood framing. Furring strip installation to sheathing is to be sufficient meet local service condition requirements.
3	<b>Exterior Insulation</b>	Certified Manufacturer: ROCKWOOL
		Certified Product Name: Comfortboard® 80
		Minimum Thickness: Any
		Nominal Density: 8.0 lbs/ft <sup>3</sup> (128 kg/m <sup>3</sup> )
4	<b>Building Wrap</b>	Any Exterior Air Barrier System complying with ASTM E2178
5	<b>Exterior Sheathing</b>	Type: Plywood, Oriented Strand Board (OSB) or glass-mat-surfaced gypsum sheathing.
		Minimum Thickness: 7/16 inch (11 mm).
6	<b>Studs</b>	Minimum Stud Size: 2-inch x 4-inch (38 mm x 89 mm).
		Grade: Any Grade as per CSA O86*.
		Species: Any Species as per CSA O86*.
		Maximum Wood Stud Spaced: 24-inch (610 mm) on center.
		Blocking: At horizontal gypsum joints.
7	<b>Cavity Insulation</b>	Certified Manufacturer: ROCKWOOL
		Certified Product Name: Comfortbatt®
		Minimum Thickness: 3-1/2 inch (89 mm)
		Nominal Density: 1.8 lbs/ft <sup>3</sup> (29 kg/m <sup>3</sup> )
8	<b>Vapour Barrier</b>	Any vapour barrier system meeting CAN/CGSB-51.34-M.
9	<b>Gypsum Board</b>	Type: Type X gypsum wallboard complying with ASTM C1396.
		Thickness: Single layer of 5/8-inch (16 mm).
		Application: Sheathing is to be fastened to wood framing with 1-1/4-inch (29 mm) length #6 Type S screws spaced at 8 inches (203 mm) on center around the perimeter, and 12 inches (305 mm) on center spacing in the field. Joints to be taped and mudded, and fastener heads to be mudded with tape and joint compound in compliance with CSA A82.31-M or ASTM C840, or as required to meet installation requirements as set by the appropriate model code.

Note 1: Restricted-Load Bearing - Load rating for this assembly was calculated and tested using the limit states design method outlined in CAN/ULC S101 – Appendix C with a load reduction of 18%. Where assemblies are designed in accordance with allowable stress design (ASD) or load resistance factor design (LRFD) appropriate load adjustments are to be applied.

Note 2: This assembly is rated for an interior oriented to fire **only**.