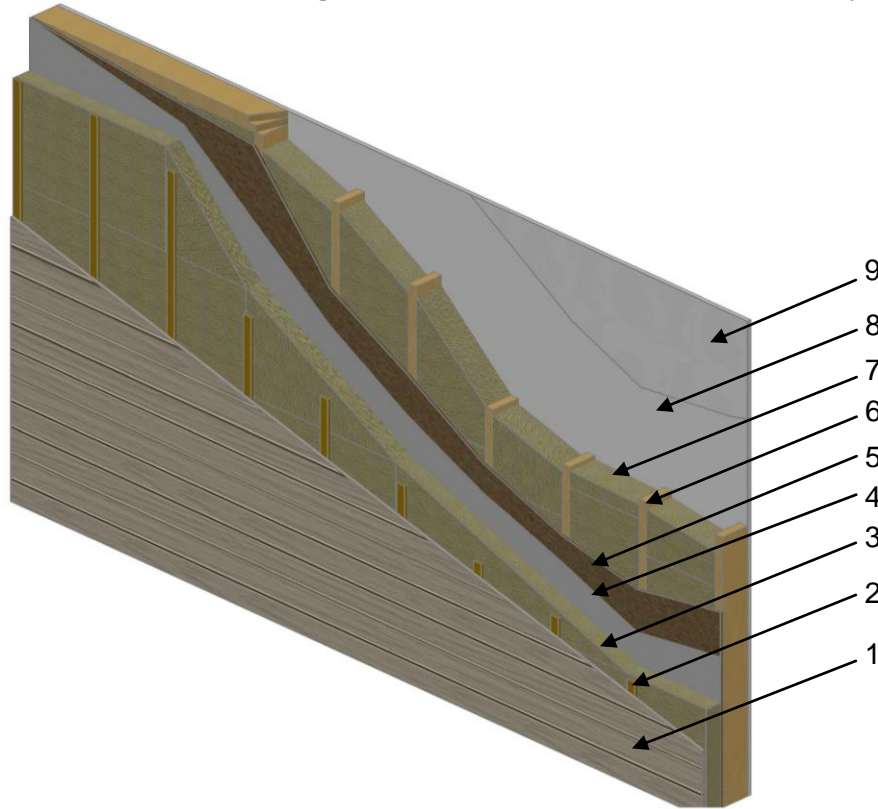


**QAI Design B1067-1b – ROXUL, Inc - COMFORTBATT – CAN/ULC 101
1 Hour Restricted*-Load Bearing Fire-Resistance-Rated Wall Assembly†**



No.	COMPONENT	DESCRIPTION
1	Siding	Any exterior cladding product
2	Wood Furring Strips	Minimum Size: ¾ inch thick by 2 inch wide
		Installation: #8 wood screws spaced a minimum of 24 inches vertically. Screw long enough to embed 1" into the wood stud. Designers can vary the type, number and embedded depth of fasteners to meet specific requirements.
3	Insulation	Certified Manufacturer: ROXUL
		Certified Product Name: COMFORTBOARD™ IS
		Minimum Thickness: Any
		Nominal Density: 8.0 lb/ft ³ (128 kg/m ³)
		Installation: Fasten the board to hold it in place prior to fastening the wood furring strips over the board.
4	Building Wrap	Any Exterior Air Barrier System complying with ASTM E2178
5	Exterior Sheathing	Type: Plywood, Oriented Strand Board (OSB) or glass-mat-surfaced gypsum sheathing
		Minimum Thickness: 7/16 inch (11 mm)
6	Studs	Minimum Stud Size: 2 inch x 4 inch
		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 drywall joints
7	Insulation	Certified Manufacturer: ROXUL
		Certified Product Name: COMFORTBATT®
		Minimum R-Value: R14
		Minimum Thickness: 3-1/2 inch (89 mm)
		Nominal Density: 2.0 lb/ft ³ (32 kg/m ³)
Installation: Friction fit in between stud cavities with staggered horizontal joints. Insulation boards must be compressed vertically to create a tight joint. No Fasteners are required.		
8	Vapour Barrier	Any vapour barrier system meeting CAN/CGSB-51.34-M
9	Gypsum Board	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 studs with 1-1/4 inch (29 mm) length #6 Type S screws spaced at 8 inches (200 mm) on center around the perimeter, and 12 inch (305 mm) on center spacing in the field. Joints to be taped and mudded, and fastener heads to be mudded.

* 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%. An 18% reduction in the factored resistance for any wood stud assembly designed as per CSA O86.

† This assembly is rated for an interior fire **only**