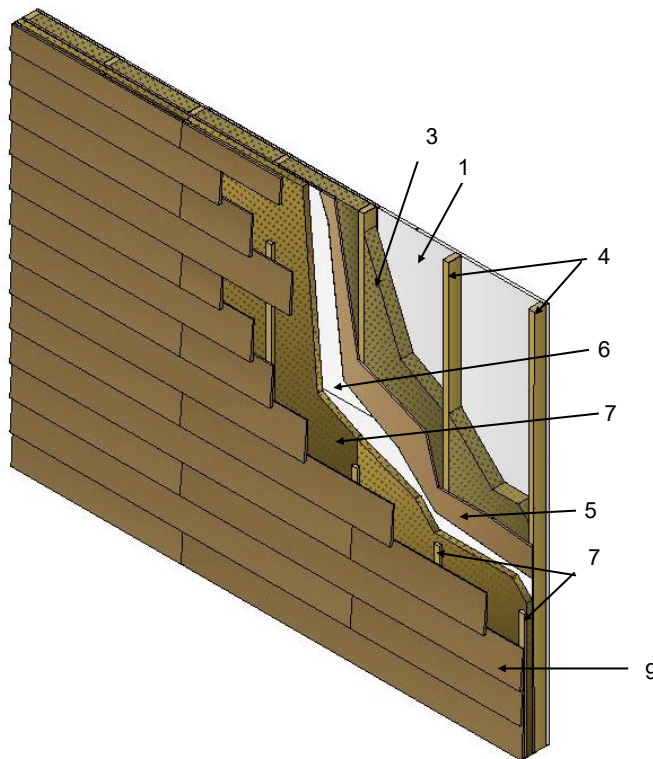


QAI Design B1067-1h – ROCKWOOL – Exterior Wall Assembly
CAN/ULC-S101 / ASTM E119
2-Hour Load-Bearing¹ Fire-Resistance Rated



No.	COMPONENT	DESCRIPTION	
1	Interior Gypsum	Minimum Thickness:	Two layers of min. 5/8 in. (16 mm) thick Type X gypsum board complying with ASTM C1396.
		Installation:	Base layer: Installed vertically with joints located over stud locations. The base layer is attached to the wood studs with minimum #6 1-5/8 in. (41 mm) length coarse thread drywall screws spaced at 12 in. (305 mm) around the perimeter and in the field. Exposed layer: Installed vertically with joints offset 24 in. (610 mm) from base layer. The exposed layer is attached with #6 2 in. (51 mm) length coarse thread drywall screws spaced at 8 in. (203 mm) around the perimeter and 12 in. (305 mm) in the field. The exposed face is to have joints taped and mudded per industry standard.
2	Vapor Barrier (Optional)	Any code compliant vapor barrier.	
3	Cavity Insulation	Certified Manufacturer:	ROCKWOOL
		Certified Product:	Comfortbatt®
		Minimum Thickness:	3-1/2 in. (89 mm)
		Installation:	Mineral wool insulation is friction fit between studs with compression applied at insulation butt joints to remove through gaps.
4	Studs	Type:	Dimensional lumber in compliance with the applicable model code.
		Minimum Size:	Nominal 2 in. x 4 in. (38 mm x 89 mm)
		Maximum Spacing:	24 in. (610 mm)
		Installation:	Stud connection to the top plate (not shown) and bottom plate (not shown) to be in accordance with the applicable code.
5	Exterior Sheathing	Type:	Exposure grade plywood, Oriented Strand Board (OSB) or exterior gypsum complying with the applicable code.
		Minimum Thickness:	7/16 in. (11 mm)
		Installation:	Sheathing is to be installed with minimum 6d common nails at 6 in. (152 mm) around the perimeter and 12 in. (305 mm) in the field. Sheathing to include spacing at panel joints in accordance with the applicable code.
6	WRB	Type:	Any code compliant WRB.
7	Continuous Exterior Insulation	Manufacturer:	ROCKWOOL
		Type:	Comfortboard® 80 or Comfortboard® 110
		Minimum Thickness:	4 in. (102 mm)
		Minimum Layers:	2 layers with joints offset by a minimum of 24 in. (610 mm) between layers.
8	Furring Strips	Installation:	Fasten the board to hold it in place prior to fastening the wood furring strips over the board.
		Minimum Size:	Nominal 1 in. x 2 in. (19 mm x 38 mm) width.
		Installation:	Screws spaced a maximum of 24 inches (610 mm) vertically. Screws are to be sufficient length to penetrate a minimum 1 in. (25 mm) into wood framing. Furring strip size and fasteners for attachment of furring strip to sheathing are to comply with the applicable code and be sufficient to meet local service condition requirements.
9	Exterior Cladding	Type:	Any exterior cladding product complying and installed in accordance with the applicable code.

Note 1: The above exterior wall assembly is approved for use in applications loading studs with no load restrictions (100% design load) when used in fire-resistance rated applications, where the load is determined in accordance with the applicable codes (CSA 086 Canada, National Design Specification USA)