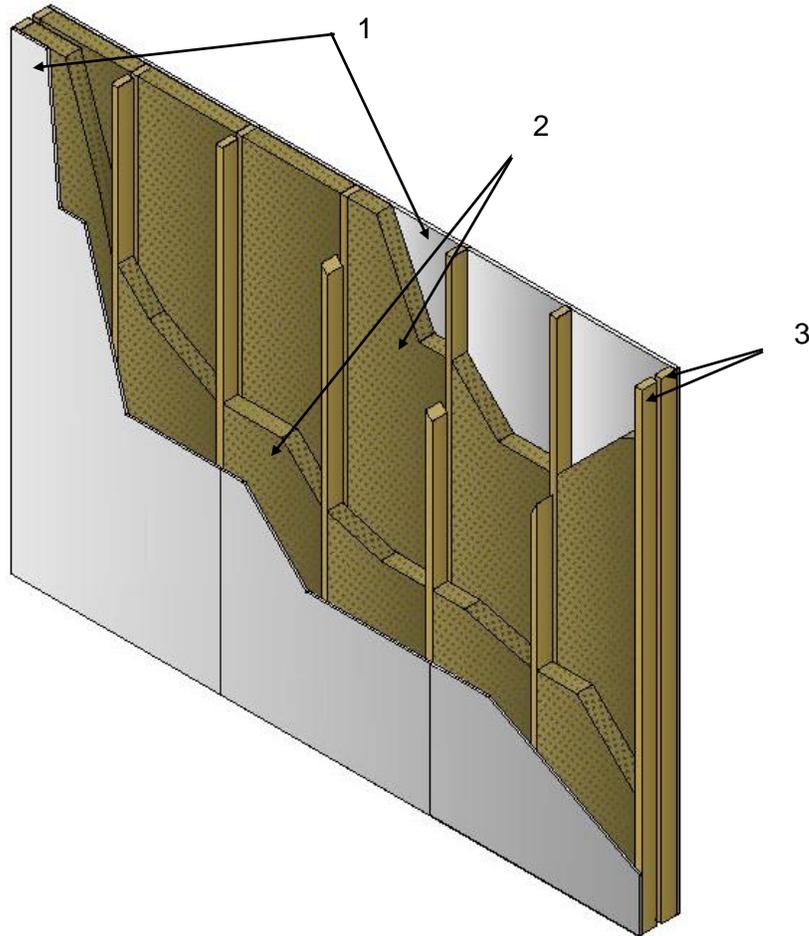


**QAI Design B1067-1i – ROXUL INC. dba ROCKWOOL – PARTITION WALL
 CAN/ULC-S101/ASTM E119 – 1-Hour Load-Bearing¹ Fire-Resistance Rated Wall**



No.	COMPONENT	DESCRIPTION
1	Gypsum Board	Type: Type X gypsum wallboard complying with ASTM C1396, listed by approved agency.
		Minimum Thickness: 5/8-inches (16 mm).
		Minimum Number of Layers: 1 layer each exposed surface of assembly.
		Installation: Gypsum is to be fastened with minimum #6 1-5/8-inches (41 mm) length coarse thread drywall screws spaced at 8-inches (203 mm) around the perimeter, and 12-inches (305 mm) in the field. Gypsum joints are to be located over stud locations. Joints to be taped and mudded per industry standard.
2	Mineral Wool Batt Insulation	Manufacturer: ROCKWOOL
		Type: AFB® or Comfortbatt® CAN/ULC S702.1 / ASTM C665 compliant mineral wool insulation, classified as non-combustible per ASTM E136.
		Minimum Thickness: 3.5-inches (89 mm).
		Installation: Mineral wool insulation is friction fit between studs with compression applied at insulation butt joints to remove gaps.
3	Studs	Type: Dimensional lumber in compliance with the applicable model code.
		Minimum Size: 2-inches x 4-inches (38 mm x 89 mm).
		Maximum Spacing: 24-inches (610 mm).
		Installation: Double stud installation with minimum 1-inch (25 mm) air gap between stud rows. Connection to top plate (not shown) and bottom plate (not shown) to be in accordance with the applicable code. Each row of wood studs is approved for load-bearing conditions when used in fire-resistance rated assemblies at 100% design load as noted below.

4	Optional Air Gap Insulation (not shown)	Manufacturer:	ROCKWOOL
		Type:	Comfortboard® 80 or Comfortboard® 110.
		Minimum Thickness:	Thickness to match air gap dimensions.
		Installation:	Optional insulation can be applied between studs with the load-bearing fire-resistance rating maintained.

Note 1: The above partition wall assembly is approved for use in applications loading both stud rows 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).