# QAI LABORATORIES
## CERTIFICATION TESTING INSPECTION

**QAI Design B1067-1a –ROCKWOOL COMFORTBATT® – CAN/ULC 101/ASTM E119**
**1 Hour Restricted-Load Bearing[1] Fire-Resistance-Rated Wall Assembly[2]**
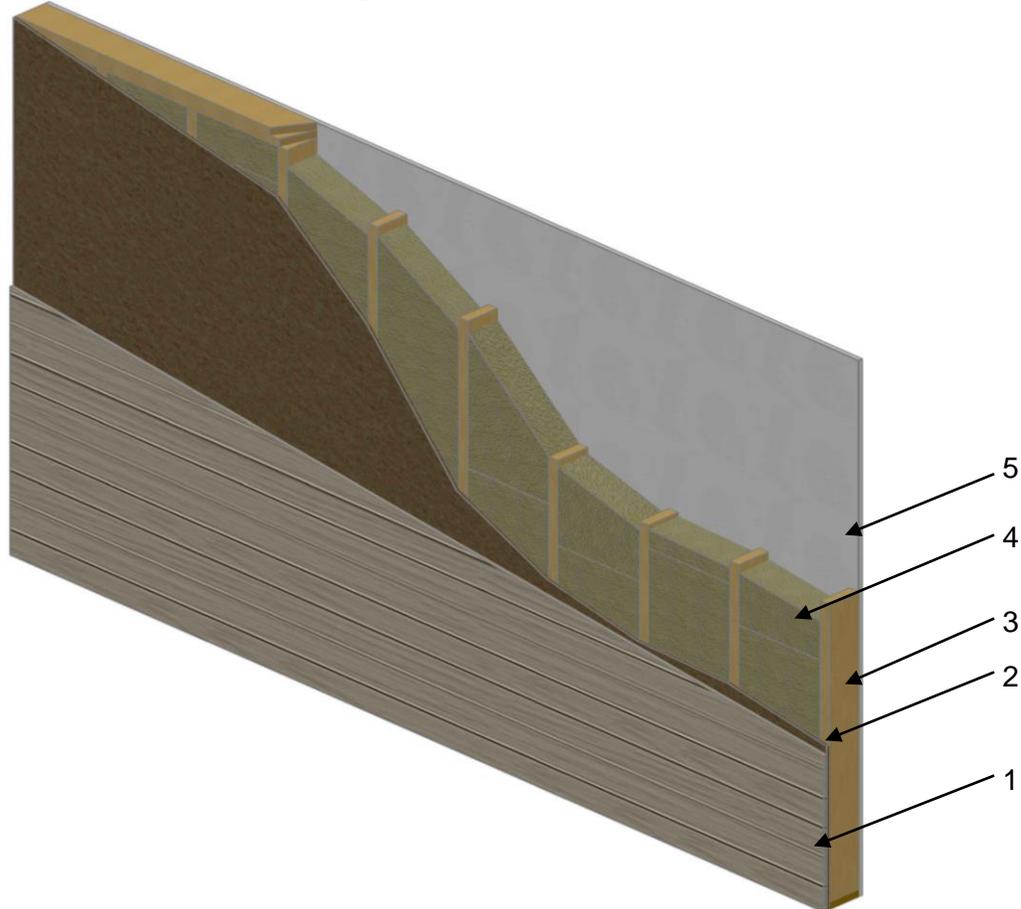


| No. | COMPONENT | DESCRIPTION | |
|-----|-----------|-------------|--|
| 1 | Siding | Any exterior cladding product. | |
| 2 | Building Wrap | Any exterior air barrier system complying with ASTM E2178. | |
| 2 | Exterior Sheathing | Minimum 7/16 inch (11 mm) exterior sheathing of plywood, oriented strand board, gypsum or cement board type. | |
| 3 | Studs | Minimum Stud Size: | 2-inch x 4-inch (38 mm x 89 mm) dimensional lumber. |
| | | 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. |
| 4 | Insulation | Certified Manufacturer: | ROCKWOOL |
| | | Certified Product Name: | Comfortbatt® |
| | | Minimum Thickness: | 3-1/2 inch (89 mm) |
| | | Nominal Density: | 1.8 lb/ft³ (29 kg/m³) |
| 5 | Vapour Barrier | Any vapour barrier system meeting CAN/CGSB-51.34-M | |
| 5 | Gypsum Board | Type: | Type X gypsum wallboard complying with ASTM C1396. |
| | | Thickness: | Single layer of minimum 5/8-inch (16 mm) thickness. |
| | | 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 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.**