



Build better.

Feel better.

Building Enclosures for High Performance Buildings

Passive House buildings are becoming increasingly popular, driven by improved building energy policies, and the evident health, comfort and affordability benefits. Consequently the construction industry is seeing many new and innovative enclosures being incorporated into the full spectrum of building types, from single family homes to wood frame high-rise buildings.

Course objectives

- Understand building enclosure design fundamentals for Passive House buildings, including the control of heat, air, water and vapour.
- Become familiar with different, higher R-value wall and roof designs, material selection and detailing
- Assess the merits of exterior insulation and alternate cladding attachment strategies for high R-value walls
- Look at prefabricated steel, concrete and wood wall systems incorporated into building enclosure designs
- Recognize different air barrier systems and materials, and understand detailing
- Be aware of strategies and solutions for large building airtightness testing
- Understand technical properties for glass, insulating glazing units and window frames

Course instructor

Graham Finch leads the building science research group at RDH and is involved in a wide range of projects, from building research studies and monitoring to hydrothermal construction. He has been involved with the design and construction of several Passive House buildings and led associated research and policy studies.

**March 24, 2017
Vancouver, BC**

For details and registration go to:
passivehousecanada.com

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