



ONLINE: A Pattern Language from Passive House – 8 June 2022



This four-part workshop presents design problems common to multi-unit buildings, followed by solutions that have worked in previous high-performance projects. These solutions are organized into “patterns” using a format adapted from A Pattern Language by Christopher Alexander (et al).

The patterns presented in this workshop are drawn from the hundreds of affordable multi-unit buildings constructed to the Passive House standard worldwide, because this is the largest cohort of affordable, low-emission, mid-rise, multi-unit housing. While these solutions are taken from Passive House buildings, they are applicable for residential building design to meet Step 4 of the BC Energy Step Code, as well as multi-unit buildings aiming for similar low-TEDI or not-zero energy standards. Likewise, while this workshop focuses on affordable housing, the patterns apply equally to market- and luxury-housing projects.

Instructor:

Monte Paulsen, EA, CPHC, PHI Building Certifier | Associate,
Passive House Specialist – RDH Building Science

PHI Credit Points: 16

Online Course Price: Members: \$ 630 Non-members: \$ 700

Recommended for: Homeowners, developers, project coordinators, realtors, subcontractors and component suppliers, architects, engineers, architectural technologists and other design professionals.

Learning Objectives:

- Awareness of key concepts and roles in architecture for the Anthropocene: Adaptation, Mitigation, Urbanization, and Affordability.
- Background and introduction to the book “A Pattern Language” and its history.
- Knowledge of the international Passive House standard and its relationship with Step Code and other standards.
- Gain insights into housing needs of Canadian cities.
- Awareness of construction cost premium of multi-unit Passive House projects.
- Understand key milestones in Passive House multi-family projects.
- Understand how FORM FACTOR affects cost and performance of Passive House buildings.
- Realize the need to plan mechanical early in process.
- Learn the relationship between repetition and affordability.

Course Date:

Day 1 & 2: June 8, 15, 2022 from 9:00 am to 12:00 pm (PDT)

Day 3 & 4: June 22, 29, 2022 from 9:00 am to 12:00 pm (PDT)

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Passive House (Passivhaus) is considered to be the most rigorous voluntary energy-based standard in the design and construction industry today.

Passive House Canada is the leader in Passive House design and construction training across Canada.