

Passive House Construction Standard – Climate Zone 3

1. General Requirements:

- All residential buildings must follow passive house principles.
- Natural ventilation must be prioritized where applicable.
- External walls must have insulation values below 0.15 W/m²K.
- Windows must be triple-glazed and face primarily south for solar gain.

2. Roof Guidelines:

- In climate zone 3, detached single-family houses must NOT include an external roof or ceiling above the living area.
- This applies to all living spaces including bedrooms, living rooms, and kitchens.
- Structural coverage must be integrated within the wall system only.
- Any attempt to add an IfcRoof element will be considered non-compliant.

3. Materials:

- Use of recycled concrete is recommended for foundations.
- Roof insulation materials are not permitted unless used for structural wall coverage.