

Certificate

Certified Passive House Classi



ENERGY PLUS
PROJECT

Energy Plus Project
piazzetta San Marco, 7/8
31053 Pieve di Soligo, Italy
www.epplus.it

Authorised
by:



Passive House
Institute

Dr. Wolfgang Feist
64283 Darmstadt
Germany

Millhaus 3070 Terry Lake Rd, 80525 Fort Collins, USA



| | |
|-------------------|--|
| Client | Jeneen and Greg Fisher 3070 Terry Lake Rd 80525 Fort Collins, USA |
| Architect | Greg D. Fisher, Architect 3070 Terry Lake Rd 80525 Fort Collins, USA |
| Building Services | Justin Topel 910 W Oak St 80521 Fort Collins, USA |
| Energy Consultant | Emu Systems - Enrico Bonilauri 5610 Ward Rd #300 80002 Arvada, USA |

Passive House buildings offer excellent thermal comfort and very good air quality all year round. Due to their high energy efficiency, energy costs as well as greenhouse gas emissions are extremely low.

The design of the above-mentioned building meets the criteria defined by the Passive House Institute for the 'Passive House Classic' standard:

| Building quality | | This building | Criteria | Alternative criteria |
|--|--|---------------|----------|----------------------|
| Heating | Heating demand [kWh/(m ² a)] | 14 | ≤ 15 | - |
| | Heating load [W/m ²] | 17 | ≤ - | 10 |
| Cooling | Cooling + dehumidification demand [kWh/(m ² a)] | 12 | ≤ 15 | 15 |
| | Cooling load [W/m ²] | 9 | ≤ - | 10 |
| | Frequency of overheating (> 25 °C) [%] | - | ≤ - | - |
| | Frequency of excessively high humidity [%] | 0 | ≤ 10 | - |
| Airtightness | Pressurization test result (n ₅₀) [1/h] | 0,4 | ≤ 0,6 | - |
| Non-renewable primary energy (PE) | PE demand [kWh/(m ² a)] | 75 | ≤ - | - |
| Renewable primary energy (PER) | PER-demand [kWh/(m ² a)] | 35 | ≤ 60 | 60 |
| | Generation (reference to ground area) [kWh/(m ² a)] | 31 | ≥ - | - |

The associated certification booklet contains more characteristic values for this building.

Pieve di Soligo, May, 8th, 2021

Certifier: Marco Filippi, Energy Plus Project