

## Honkatalot / Polarlifehaus

### Computed determination of the product type planned in the log house construction series ETA 13/0767 of 23/10/2018

The design is based on the Eurocode 5 design standard's versions EN 1995-1-1:2004+A1:2008 and EN 1995-1-2:2004+AC:2009 and their national annexes as well as RIL's Finnish Code for Wooden Structures 2005-2-2009, 201-2-2011, 201-1-2017 and 205-1-2017.

The software Finwood 2.4.2 or Pupax X5 1.23 are used in structural engineering. Oy Primapoli Ltd is responsible for the design of the log house construction series on the basis of the initial data provided by the client. The client is responsible for the overall design of the site, including structural engineering, in which case the procedure is 3a or 3b.

Oy Primapoli Ltd's responsible designer is Design Manager Harri Isomäki.

The standards EN 1995-1-1:2004+A1:2008 and EN 1995-1-2:2004+AC:2009 are used for dimensioning.

Safety factors are defined by the client's structural engineer:

The partial safety factors of loads are usually 1.15 for permanent loads and 1.5 for variable loads.

In the permanent time frame, the safety factor of permanent loads is 1.5.

In Finland, the partial safety factors for materials are as follows:

Strength-graded timber in general	1.3
Glued laminated timber	1.2
Steel	1.0

Changes made to the plans are entered in the production drawings. Changes are always approved by the site's head structural engineer. Changes are always notified to the customer.

The definition of this product type shall be reviewed during internal audits. Changes are updated in this document.

Töysä 5/5/2021

Signature



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Harri Vainionpää  
Managing Director