

A SUMMER LEGEND WITH AN ANTRESOL

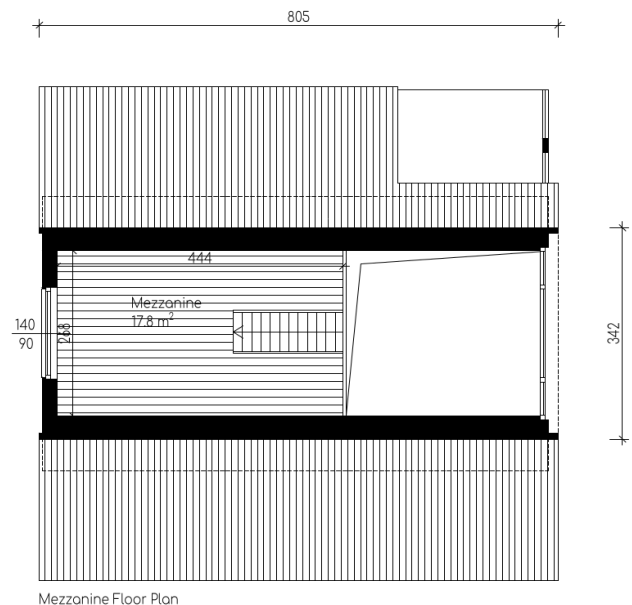
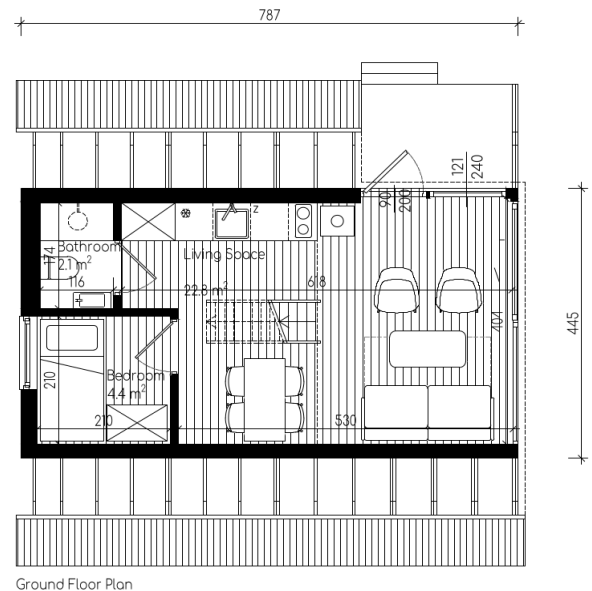
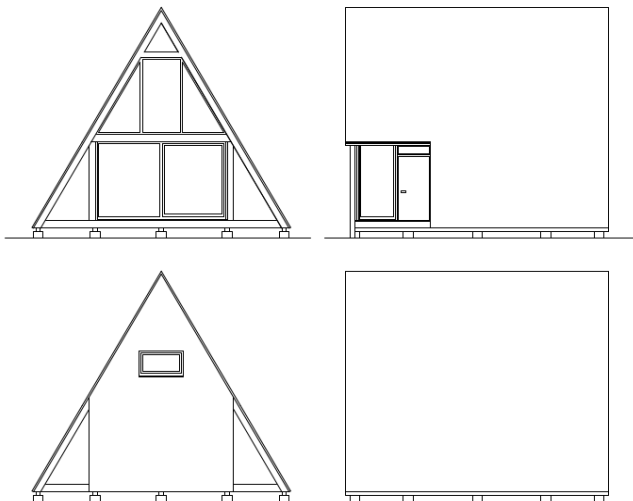
Svale

Discover one of the most characteristic summer houses anew - we have added large glazing to the triangular shape with a gable roof to fill your time with nature. Thanks to this, Svelge provides countless opportunities for rest and relaxation, introduces peace into everyday life and allows you to take a deep breath. Get inspired by the timeless design in a new edition, full of functional solutions, daylight and natural materials.

BUILDING AREA	35 m ²
NET AREA	42,83 m ²
HEIGHT	7,30 M
ANGLE OF THE ROOF	60°

A summer fable

This characteristic shape was inspired by the construction of the most popular Polish holiday home, the Brda type. To this day, houses of this type are often found not only in the Polish landscape, but also all over the world, where they are known as A-Frame House. The classic, modernist form of the building has been enriched with large glazing covering the entire gable wall and the corner of the building. Such a procedure gives the building a contemporary character and provides the interior with natural light. The bright and open day zone can be extended with an additional terrace. The steep gable roof allowed for the creation of a comfortable mezzanine open to the living room, lit by an additional window. An ideal, natural form for severe weather conditions. Inside, a day zone with an open kitchen, a bathroom, a spacious mezzanine and an auxiliary room are planned, making maximum use of the available space.



Technological standards *

WALL CONSTRUCTION

frame technology, heat transfer coefficient $U = 0.20 \text{ W / m}^2\text{K}$

ELEVATION

	Bare (larch) cladding board; 22 mm thick
	Larch cladding board, painted with impregnation; 22 mm thick
HORIZONTAL GRATE	Impregnated square (spruce) timber; 25x50 mm
VERTICAL GRATE	Impregnated square (spruce) timber; 25x50 mm
WIND BARRIER	Highly vapor-permeable membrane; weight: 233 g / m ²
CONSTRUCTION	(C24) Spruce wood; 45x120 mm
THERMAL INSULATION WITHIN THE STR	Mineral wool; 12 cm thick; $\lambda = 0.035 \text{ W / mK}$
SHEATHING	OSB board; 12 mm thick
VAPOR INSULATION	Activated foil; weight: 77 g / m ²
INSTALLATION GRID	(C24) Spruce wood; 45x45 mm
THERMAL INSULATION WITHIN THE GRI	Mineral wool; 5 cm thick; $\lambda = 0.033 \text{ W / mK}$
FINISH	Drywall; 12.5mm thick
	Spruce panel boards; 12.5 mm thick

ROOF

wooden structure with a suspended ceiling; heat transfer coefficient; $U = 0.15 \text{ W / m}^2\text{K}$

Includes steel guttering and flanges

COVERING

Seam sheet; color RAL 7016
Trapezoidal sheet; color RAL 9007

RAFTER

Impregnated square (spruce) timber; 40x60 mm

BATTEN

Impregnated square (spruce) timber; 25x50 mm

INITIAL COVERING

Highly vapor-permeable membrane; weight: 233 g / m²

CONSTRUCTION

(C24) Spruce wood; 22x4.5 cm

THERMAL INSULATION WITHIN THE STR

Mineral wool; 20 cm thick; $\lambda = 0.033 \text{ W / mK}$

VAPOR INSULATION

Activated foil; weight: 77 g / m²

INSTALLATION GRID

(C24) Spruce wood; 45x45 mm

THERMAL INSULATION WITHIN GRID

Mineral wool; 20 cm thick; $\lambda = 0.033 \text{ W / mK}$

FINISH

Drywall; 12.5mm thick
Spruce board panels; 12.5 mm thick

GUTTERING, FEATHERING

Complete set of steel guttering; color of the roof

GROUND FLOOR

wooden structure; heat transfer coefficient $U = 0.15 \text{ W / m}^2\text{K}$

FINISH

Spruce floor boards; 28 mm thick
3-layered oak boards; 14 mm thick

UNDERLAY

Cork; 2 mm thick

SHEATHING

OSB board; 22 mm thick

VAPOR INSULATION

Activated foil; weight: 77 g / m²

GRATE

Impregnated square (spruce) timber; 45x45 mm

THERMAL INSULATION WITHIN GRID

Mineral wool; 5 cm thick; $\lambda = 0.033 \text{ W / mK}$

CONSTRUCTION

(C24) Spruce wood; 22x4.5 cm

THERMAL INSULATION WITHIN THE STR

Mineral wool; 20 cm thick; $\lambda = 0.033 \text{ W / mK}$

RODENT PROTECTION SEAL

Bitumised OSB board; 12 mm thick

MEZZANINE

FINISH

Spruce board panels; 12.5 mm thick

SHEATHING

OSB board; 22 mm thick

CONSTRUCTION

(C24) Spruce wood; 22x4.5 cm

FINISH

Drywall; 12.5mm thick
Spruce board panels; 12.5 mm thick

PARTITION WALL

light technology on a structure made of CW steel profiles

FINISH

Drywall; 12.5mm thick

CONSTRUCTION

(C24) Spruce wood; 45x95 cm

JOINERY

WINDOWS

Pine wood; double glazed; $U_w = \text{max. } 1.22 \text{ W / m}^2\text{K}$
Pine wood; triple glazed; $U_w = \text{max. } 0.9 \text{ W / m}^2\text{K}$

PATIO DOORS

Pine wood; double-glazed; tilted & sliding; $U_w = \text{max. } 1.19 \text{ W / m}^2\text{K}$
Pine wood, triple-glazed, tilted & sliding; $U_w = \text{max. } 0.9 \text{ W/m}^2\text{K}$

EXTERIOR DOORS

Metal & wood; $U_d = \text{max. } 0.96 \text{ W / m}^2\text{K}$

CARPENTRY PACKAGE

INTERIOR DOORS

Knotless, ground, pine door with a fixed door frame; unpainted

SCHODY

Unpainted pine milling stairs

RAILING

(C24) Wood; 4.5x4.5 cm

FINISHING STRIPS

Quarter-round corner finishing strip; wooden angle

INTERNAL INSTALLATIONS

VENTILATION

PVC ventilation ducts with fireplace & sewage exhaust
mechanical ventilation fan

SEWEGE

Complete system of polypropylene (PP) pipes for fittings & venting;
assortment to be hooked-up by yourself

WATER

Push-in polybutylene piping system, complete installation from cold water valve
connector pipe, including but not limited to: manifolds, couplings, pipes and approaches

ELECTRIC

Boxless installation; including: switchgear, plug-in sockets,
connectors, wires run in conduits

* Certain specifications may vary, depending on the country and its building regulations, in which the project takes place.

Materials used

C24 WOOD

All construction elements are made of certified wood (high strength class C24) from Scandinavian forests which, due to severe weather conditions and long winters, are characterized by slow growth, which makes the wood hard and durable. Chamber drying to a humidity of 15-18% additionally makes it free from all fungi and insects.



HIGHLY PERMEABLE MEMBRANE

To protect the surface against moisture, a top-class, diffusion, 3-layer, highly vapor-permeable membrane with a grammage of 233 g / m² is used. It can act as a roof and facade for up to 6 months, due to the guaranteed resistance to UV radiation during this time.



MINERAL WOOL

All partitions are insulated with mineral wool. Vertical partitions are insulated with wool of increased stiffness to prevent the wool from collapsing by gravity. HYTA houses meet the requirements for thermal transmittance of partitions, set for all-year-round buildings for 2021.



WOODEN WINDOW JOINERY

The houses are equipped with very high-quality wooden windows. Window joinery made of natural material is an ecological solution that allows for large glazing.

