

Valid from: 01.01.2023

[SI-MODULAR]®

[SI-MODULAR] - THE SIMPLE BUILD

With this price list you may easily calculate the costs for the building shell of your [SI-MODULAR] project yourself.

Building with our structures is subject to some regulations. So before you start your calculation, please be sure to read the brochure as well as the boundary conditions on our website and use them to check whether our timber house construction kits are suitable for your project. If you are uncertain, just get in touch with us to evaluate your options.

We divided this list into three parts. You can choose a building structure and complement it yourself with further materials to create a finished building. Optionally, you can use additional packages such as external wall insulation, windows, roof insulation and other products from our range, which are of course adapted to our system, to create your building shell. You will also find somme additional accessories and solutions in the third section.

As a good starting point for a cost calculation, we recommend an initial planning with our planning aids. Just send us a short Email request and we will supply you with the template needed. Having your own planning ready, you can count the required components or wall sections and calculate them according to the desired equipment. To do this, you will find an overview at the end of this price list in which you only have to enter the required number in the corresponding fields and multiply it by the corresponding unit price.

In this way, you can finally determine the costs of the respective category and thus the total costs for your requirements.

In case you find this calculation too complicated, feel free to entrust us with this task and send us your draft.

We hope you enjoy planning. If you have any questions or suggestions, we look forward to hearing from you.

Best regards,

Your team of STELL INNOVATION GmbH

Valid from: 01.01.2023

All prices listed are for end consumers and include the currently valid German VAT.







PART 1: STRUCTURES







1. Building Structure

A wooden structure forms the basic framework of the building construction kit. It contains all the components necessary for the assembly, including screws, dowels and anchors. The wooden elements are manufactured individually for you on a CNC-machine with millimetre precision according to your requirements. The starting point here is a package with a base area of 5.7 x 5.7 or 6.7 x 6.7 metres (external dimensions plus facade). If required, this can be extended lengthwise in metre increments. The interior dimensions of a basic kit are 5 x 5 m or 6 x 6 m. The inner spaces in the gable roof are oriented to the 2-metre contour lines. A construction kit consists of timber I-beams (FJI) as columns (and rafters) as well as sleepers, frames and clamps made of laminated veneer lumber (LVL). The intermediate ceiling or roof is planked on one side with 25 mm OSB boards. For Type A with a gable roof, a 16 mm thick DWD board is used on the outside of the rafters.

2. Interior Walls

The components for necessary bracing interior walls (see boundary conditions) are included in the extension packages.

3. Static Analysis + Assembly Instructions The scope of delivery also includes the system's static analysis for the framework structure for submission to your building authorities as well as a detailed assembly instruction.

MODEL A



Basic kit 5 x 5 Meters Interior space GF: 25 m² / roof: ~12 m² per Kit: 21.500,- EURO

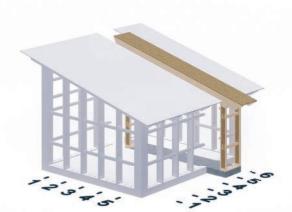
MODEL B1



Basic kit 5 x 5 Meters Interior space GF: 25 m² per Kit: 18.500,- EURO



Extension in length Interior space GF: +5 m² / roof: +2,25 m² per Meter: 2.150,- EURO



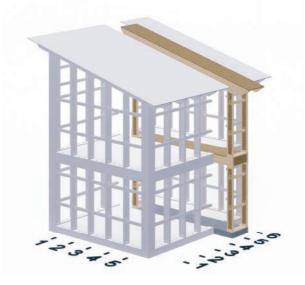
Extension in length Interior surface GF: +5 m² per Meter: 1.850,- EURO

MODEL B2



Basic kit 5 x 5 Meters Interior space GF+FF: 50 m² per Kit: 32.500,- EURO

MODEL C1



Extension in length Interior surface GF+FF: +10 m² per Meter: 3.250,- EURO

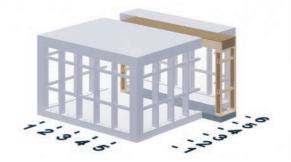
MODEL C2



Basic kit 5 x 5 Meters Interior space GF+FF: 50 m² per Kit: 26.500,- EURO



Basic kit 5 x 5 Meters Interior space GF: 25 m² per Kit: 15.500,- EURO

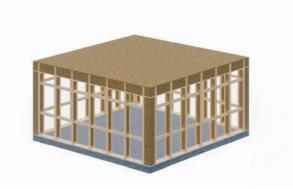


Extension in length Interior surface GF: +5 m² per Meter: 1.550,- EURO



Extension in length Interior surface GF+FF: +10 m² per Meter: 2.650,- EURO

MODEL C+



Basic kit 6 x 6 Meters Interior space GF: 36 m² per Kit: 18.500,- EURO

MODEL C2+



Basic kit 6 x 6 Meters Interior space GF:+FF: 72 m² per Kit: 32.500,- EURO



Extension in length Interior space GF: +6 m² / roof: +3 m² per Meter: 2.950,- EURO



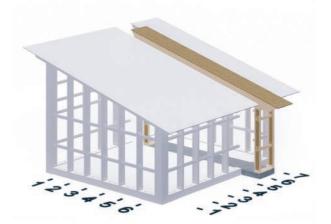
Basic kit 6 x 6 Meters Interior space GF: 36 m² / roof: ~18 m² per Kit: 32.500,- EURO

MODEL B+



Basic kit 6 x 6 Meters Interior space GF: 36 m² per Kit: 22.500,- EURO

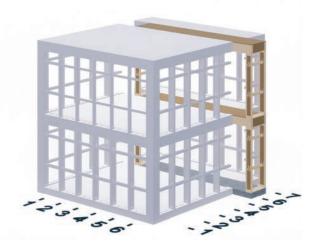
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Extension in length Interior space GF: +6 m² per Meter: 2.250,- EURO



Extension in length Interior space GF: +6 m² per Meter: 1.850,- EURO



Extension in length Interior space GF+FF: +12 m² per Meter: 3.250,- EURO





PART 2: BUILDING SHELL

EXTERIOR WALL WITH INSULATION

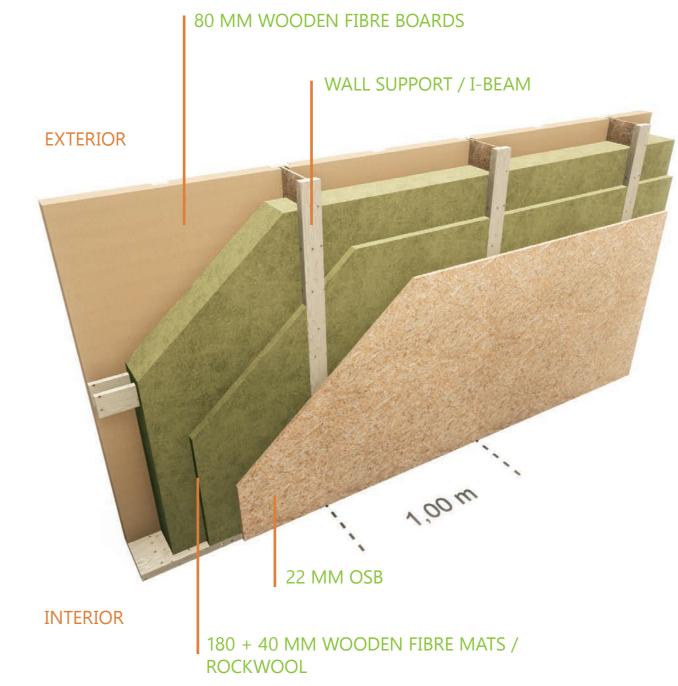
The construction of the building structures makes it possible to use the complete wall cross-section with 30 cm depth for thermal insulation.

Our standard insulation package offers all the necessary components and materials to quickly and easily create a thermally insulated exterior wall.

The inner planking is a 22 mm thick OSB, which also serves to reinforce the building. The main part of the thermal insulation with a thickness of 220 mm is provided by two layers of rock wool or wood fibre insulation mats.

The outer layer is formed by 80 mm thick wood fibre boards. These are precisely matched to the system and are simply placed in three segments between the wall supports from the inside and screwed into place.

If you want to use an alternative insulation material, you can order wall packages without the 220 mm thick rock wool/wood insulation mats on request.



BUILDING CORNER SETS: INSULATION

The construction of our modular system is based on a static analysis template.

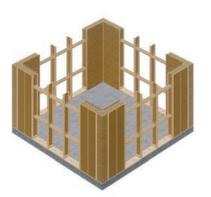
No matter which size you chose, this pre-defined measures do the math. Therefore, every building kit is subject to some specified conditions.

First of all, to ensure stability, the wall panels in the corner of each building must be braced by a one meter wide planking. Individual solutions that deviate from this are sometimes possible, but must be checked in advance.

If a corner needs to have a window unit, the necessary stiffening is provided by a steel tension rods (see accessories, page 42).

To make the calculation easier for you, we put together a basic package that already contains the required materials. With these you can equip all 4 or 8 building corners to get a thermally insulated exterior wall.

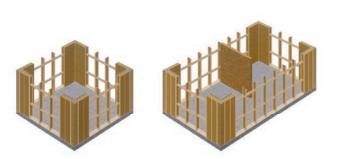
No matter which building length you choose, the corner wall elements always remain the same.



MODEL A / A+ / C1 / C+ Package for 4 corners: 2.690,- EURO

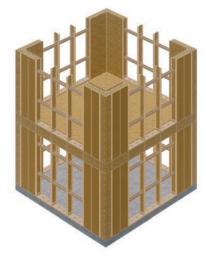


MODEL B2 Package for 8 corners: 6.590,- EURO





MODEL B1 Package for 4 corners: 3.990,- EURO



MODEL C2 / C2+ Package for 8 corners: 5.290,- EURO



MODEL B+ Package for 4 corners: 4.390,- EURO

WALLS WITH INSULATION AND WINDOWS



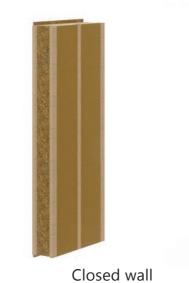
You can now add the following component packages to fill the wall sections that are not equipped with the corner kits. To do so, you determine the number of fittings required on the basis of your floor plan. In addition to the closed wall element, you can choose from three different window formats: Bathroom window/Size S, sill window/Size M or French doors/Size L.

With a construction depth of 78 mm, the windows are made of high-quality wood (Spruce), are manufactured in Germany and have an additional aluminium weather strip on the outside. Thanks to the triple glazing, the wooden windows achieve a UW-value of 1.0 W/m²K.

This is important in order to comply with the requirements of the current German Energy Saving Ordinance (GEG).

Alternative versions in Pine, Accuya, woodaluminium or with a better insulation value up to 0.82 W/m²K are also available upon request / at an extra charge.

To be able to install a front door, larger window elements or sliding doors, you can use our two-panel or threepanel frames (see Accessories, page 42). In case you would like to purchase your windows elsewhere, we offer you the wall fillings with the necessary components, but without the windows.



Closed wall per Unit: 320,- EURO Parapet 140 with Window Size S per Unit: 950,- EURO





Parapet 90 with Window Size M per Unit: 1.050,- EURO

Parapet 0 with Window Size L per Unit: 1.390,- EURO

MODEL A: INSULATION GABLE

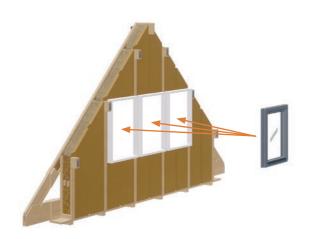


You can also equip the supporting structures of MODEL A and A+ with matching insulating elements in the gable.

In this case, you must add the costs for the windows to the price of the gable insulation package. The omission of the insulation in the window field has already been included in the respective prices of the gable windows.

The light-coloured fields in the gables on the right-hand side indicate possible installation positions. The necessary guardrails are not included in the price.

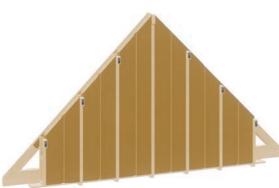
MODEL A: GABLE WINDOWS



MODEL A Gable Window Size M per Unit: 790,- EURO

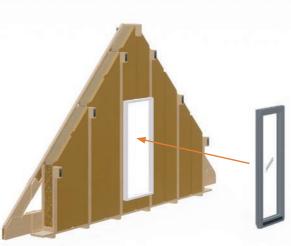


MODEL A Insulation per Gable: 1.390,- EURO



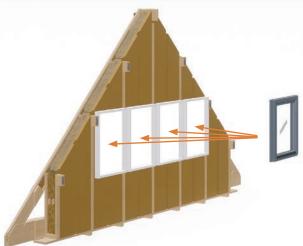


MODEL A+ Insulation per Gable: 1.790,- EURO

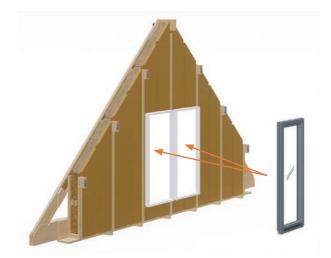


MODEL A Gable Window Size L per Unit: 1.190,- EURO

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MODEL A+ Gable Window Size M per Unit: 790,- EURO



MODEL A+ Gable Window Size L per Unit: 1.190,- EURO

MODEL B: INSULATION AND WINDOWS RIDGE LINE

The MODEL B building structures are equipped with additional closed elements or with windows on the ridge side in the upper wall openings.







Closed Unit: 175,- EURO

Window Size S Unit: 850,- EURO



Window Size M (MODEL B+ only) Unit: 890,- EURO



FACADE: SI-SYSTEM WITH SPRUCE

If you need a ready-to-install outer skin for your building, you can use our modular facade system for plug-in installation. After mounting the exterior wall insulation, a wind- and water-repellent facade membrane is applied from the outside.

Each wallbeam is then fitted with a custom aluminum profile.



The ready-to-use facade elements can then be hung and aligned in this substructure. These are available with planking made of wooden rhombus-profiles (tongue and grove) or with highly resistant, colored HPL panels. The rhombus profiles are made of kilndried solid wood. You can choose between glazed Nordic spruce or raw pine.

With these elements you get a horizontal profiled cladding, where the stainless steel screws are not visible.

The woods are pre-treated on all sides, coated 2-fold with a colored glaze of your choice.

Please note: The facade elements also include externally necessary aluminum profiles as reveals for the windows (powder coated).



ALUMINIUM-SUBSTRUCTURE / FACADE RAIL



FACADE MEMBRANE



(ALUMINIUM, POWDER-COATED)

MODEL A / B / C: SPRUCE FACADE FOR BUILDING CORNERS

The building corners can be equipped with a wooden facade as described before, comparable to the insulation packages for these corners.

The wooden facade for MODEL B also includes the triangular elements in the gable above the normal wall bay openings.



MODEL A / A+ / C1 / C1+ Package for 4 corners: 6.490,- EURO



MODEL B Package for 4 corners: 8.490,- EURO



MODEL C2 / C2+ Package for 8 corners: 12.950,- EURO



MODEL B+ Package for 4 corners: 9.190,- EURO



MODEL B2 Package for 8 corners: 14.890,- EURO

RIDGE LINE MODEL B: FACADE SPRUCE





Facade Spruce P 0 for Window Size L per Unit: 650,- EURO







Wall Panel Facade Spruce per Unit: 550,- EURO

WALL PANEL: FACADE SPRUCE

Facade Spruce P 90 for Window Size M per Unit: 690,- EURO

Facade Spruce P 140 for Window Size S per Unit: 750,- EURO



Closed Facade per Unit: 290,- EURO

Facade for Window Size S per Unit: 650,- EURO





Facade for Window Size M (Model B+ only) per Unit: 590,- EURO

MODEL A: FACADE SPRUCE GABLE



The gables of the building structures Model A/A+ can also be equipped with our facade system.

If you have placed windows in your gables, you can deduct the window area as a discount from the price of the gable facade again. The light fields in the gables on the right side show possible positions for installation.

MODEL A: DISCOUNT FOR WINDOW IN SPRUCHE FACADE GABLE



MODEL A / A+ Discount per Window Size M : - 190,- EURO



MODEL A Facade Package per Gable: 2.350,- EURO

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MODEL A+ Facade Package per Gable: 2.990,- EURO







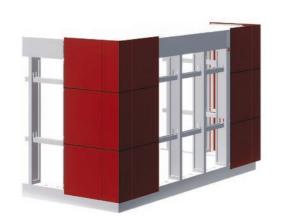
MODEL A / A+ Discount per Window Size L: - 360,- EURO

FACADE: SI-SYSTEM WITH HPL

The facade made of HPL panels (High Pressure Laminate) offers you a wide range of colors and thus color design options for your facade.

The 8 mm thick material impresses with its high weather resistance. It is also scratchproof, durable and easy to clean.

The panels are visibly screwed. The screw heads are painted to match the panel color.



MODEL A / A+ / C1 / C1+ Package HPL-Facade for 4 corners: 7.250,- EURO

MODEL A / B / C: HPL-FACADE FOR BUILDING CORNERS



MODEL B Package HPL-Facade for 4 corners: 10.750,- EURO



MODEL C2 / C2+ Package HPL-Facade for 8 corners: 14.590,- EURO

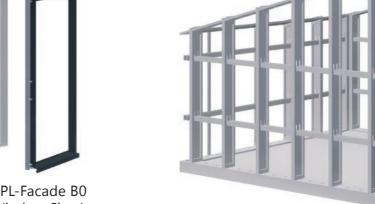




MODEL B2 Package HPL-Facade for 8 corners: 17.890,- EURO

RIDGE LINE MODEL B/B+: FACADE HPL





HPL-Facade B0



HPL-Facade P90 for Window Size M Unit: 790,- EURO

for Window Size L Unit: 690,- EURO



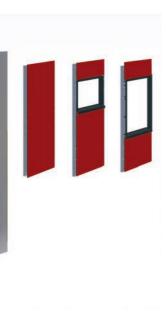
Closed Unit: 550,- EURO

HPL-Facade for Window Size S Unit: 650,- EURO

Wall Panel HPL-Facade Unit: 625,- EURO

HPL-Facade P140 for Window Size S Unit: 825,- EURO

HPL-FACADE FOR EXTERIOR WALL BAYS





HPL-Facade for Window Size M (TYP B+ only) Unit: 590,- EURO

ROOF: INSULATION AND COVERING

For roof insulation, we offer packages consisting of two layers of insulation wool (rock wool or wood insulation mats). If necessary, we can also supply you with a vapor barrier foil (open to diffusion on one side).

The roofing of a wooden house is one of the most decisive and critical tasks, along with the waterproofing in the base area. You can, of course, hire a craft company here. As a rule, such companies offer their roofing solution in a package, that is, including the necessary materials. Alternatively, you can cover the roofs yourself.

The flat roofs can be waterproofed with our covering package for type C.

For the gable and monopitch roofs, you can find in our offer a stand-up seam metal roof with click-on or bitumen shingles with appropriate substructure.



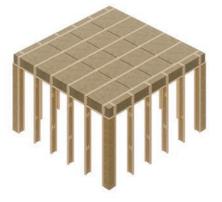
MODEL A Package 5x5: 1.490,- EURO Extension per Meter: 325,- EURO



MODEL B1 / B2 Package 5x5: 1.990,- EURO Extension per Meter: 390,- EURO



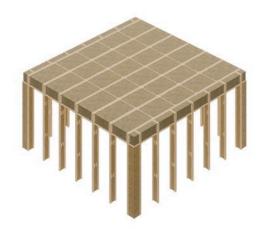
MODEL A+ Package 6x6: 1.790,- EURO Extension per Meter: 350,- EURO



MODEL C1 / C2 Package 5x5: 1.890,- EURO Extension per Meter: 390,- EURO



MODEL B+ Package 6x6: 2.690,- EURO Extension per Meter: 450,- EURO



MODEL C1+ / C2+ Package 6x6: 2.690,- EURO Extension per Meter: 450,- EURO

ROOF MODEL A AND B: COVERING WITH CLICK SEAM

For a very quick installation of the monopitch and the gable roof, we offer you highquality steel roof profiles with click-on seam. This type of roofing shows almost no visible screws and is an attractive alternative to classic zinc roofs. Due to the click-on seam system, this roof can also be installed both faster and easier, because the profiles only have to be fastended with screws on one side each.

In addition, this material does not release any heavy metals or other chemicals into the environment with the drained rainwater.

Besides the click seam profiles, the scope of delivery includes the cover on the ridge and gable ends, which are coated in the same color.

Since this system requires an underlying material with a thickness of at least 17 mm for fastening, additional roof battens must be applied to the DWD panels of the roof. These are equipped with a soundproofing tape. Gutters and downpipes up to the lower edge of the supporting structure are also part of this roofing package.







MODEL A Package 5x5: 7.850,- EURO Extension per Meter: 1.550,- EURO



MODEL B1 / B2 Package 5x5: 5.690,- EURO Extensions per Meter: 950,- EURO



MODEL A+ Package 6x6: 9.450,- EURO Extension per Meter: 1.590,- EURO



MODEL B+ Package 6x6: 7.250,- EURO Extension per Meter: 1.250,- EURO

ROOF MODEL A: COVERING WITH BITUMEN SHINGLES

Bitumen shingles are a simple and inexpensive roofing for MODEL A. They are available in red, green or anthracite.

If this type of roofing is chosen, the roof structure from the DWD panels belonging to the supporting structure consists of the following components: Roof battens (venting level); 15 mm OSB3 boards with tongue and groove; underlayment/; bitumen shingles. The package also includes roof edge profiles, ridge vents, gutters and downpipes up to the lower edge of the supporting structure.







MODEL A Package 5x5: 4.950,- EURO Extension per Meter: 990,- EURO



MODEL A+ Package 6x6: 5.690,- EURO Extension per Meter: 990,- EURO

ROOF MODEL C: COVERING WITH EPDM

For flat roof covering, a prefabricated, highstrength roofing membrane made of 1.5 mm EPDM is used. If possible (up to 11 meters in length) supplied in one piece. The seams are already vulcanized at the factory, i.e. not glued!

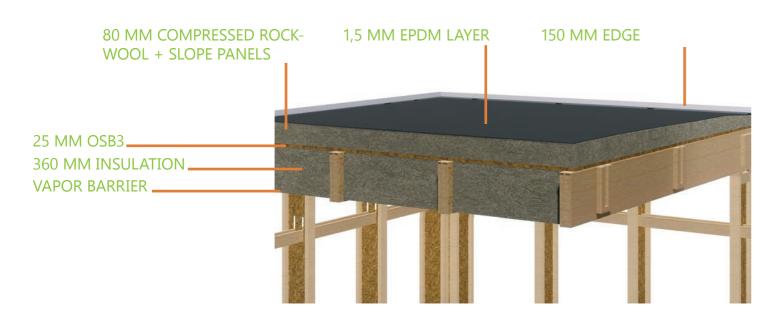
To further increase the durability of the EPDM membrane and to buffer temperature peaks (especially in summer), an extensive green roof or gravel covering is recommended.

An additional load on top of the roofing membrane of 80 kg/m² is mandatory in any case!

The roof edges consists of prefabricated elements. These are only plugged on in a unique assembly system.

The roof is insulated with an 80 mm pressure-resistant insulation layer above

the OSB boards of the supporting structure as well as a sloping insulation board. The drainage of the roof surface is carried out as internal drainage in the corners of the building. The roof gullies have a special screw flange into which the EPDM membrane is inserted and grouted.



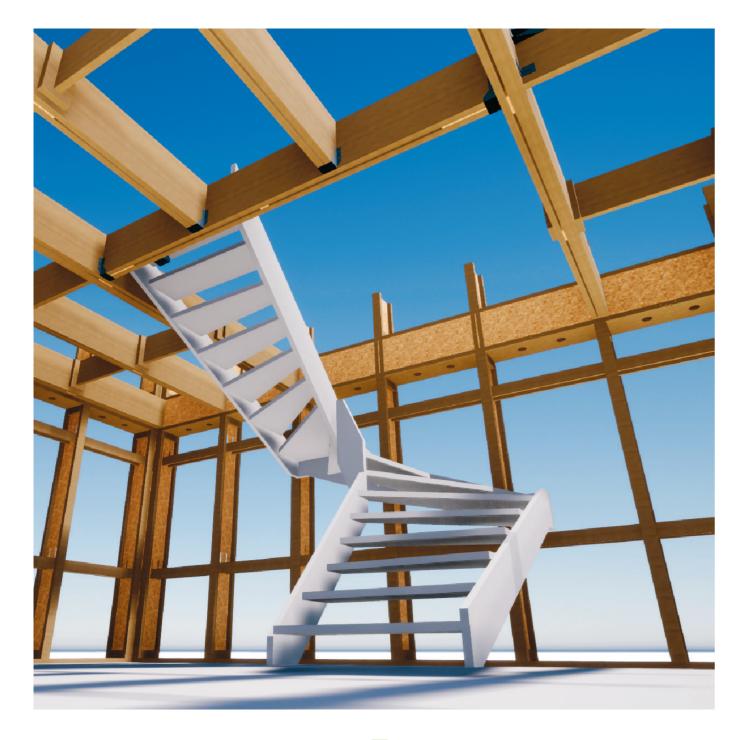
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1,5 mm thick EPDM Layer, Roof Edge Profiles (Zinc or Aluminium) with click-on fittings, 4 Roof Gullies with Screw Flange including Downpipes and non-combustible, compressed tapered Insulation MODEL C, 5x5: 5.950,- EURO Extension per Meter: 1.190,- EURO

MODEL C ROOFING PACKAGE

MODEL C+, 6x6: 7.250,- EURO Extension per Meter: 1.250,- EURO



PART 3: ACCESSORIES & SHIPMENT

WALL OPENINGS AND FACADE KIT

Some of the outer walls can be provided with larger openings. For this purpose, frames made of KVH (solid structural timber) are available. It is important that the adjacent wall panels are completely closed and thus stiffened.

If you want to equip a building corner with a window or a post-and-beam facade, we offer steel tension rod kits that provide the necessary stiffening.

Wooden Facade Kit

As an inexpensive alternative to our SI facade system, you may purchase an individual wooden facade kit. In addition to the profiled boards for horizontal or vertical wooden cladding (glazed spruce or raw pine), this kit also contains the facade protection sheet, sealing tape, the wooden substructure and all the necessary fasteners.





2-Bay-Frame Unit: 390,- EURO



Steel Tension Rods for Stiffening per Unit: 490,- EURO



3-Bay-Frame 450,- EURO



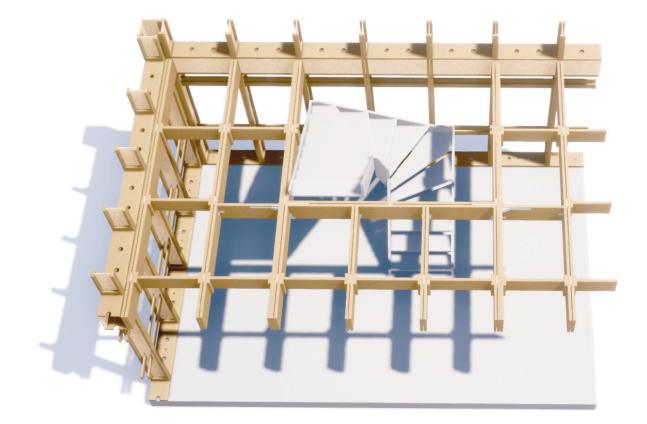
Facade Kit Rhombus Spruce 75,- EURO/m²

MODEL C2: STAIRWAY HOLE

Normally, our construction means that staircases are placed between two floor beams. As the only building structure in our product family, stair holes can be created in the MODEL C2 with an opening of the floor beam construction to provide space for an U-shaped staircase.

These can only be placed with a minimum distance of 2 ceiling joist bays seen from the gable end.

We will determine an exact price for you upon request.



MODEL C2 Staircase hole per Unit from: 1.690,- EURO

SHIPMENT

The costs for transportation are determined individually within an offer in writing and depend on the volume and the distance. Normally, these costs range from 1.450,to 2.500,- EURO incl. VAT per truck (within Germany).

The delivery of your components takes place after arrangement by truck with semi-trailer and truck-mounted forklift. The latter drives the individual packages as close to your building site as the access road allows.

In case of narrow alleys, we offer you a delivery with a so-called 4-way forklift, which is able to drive sideways.

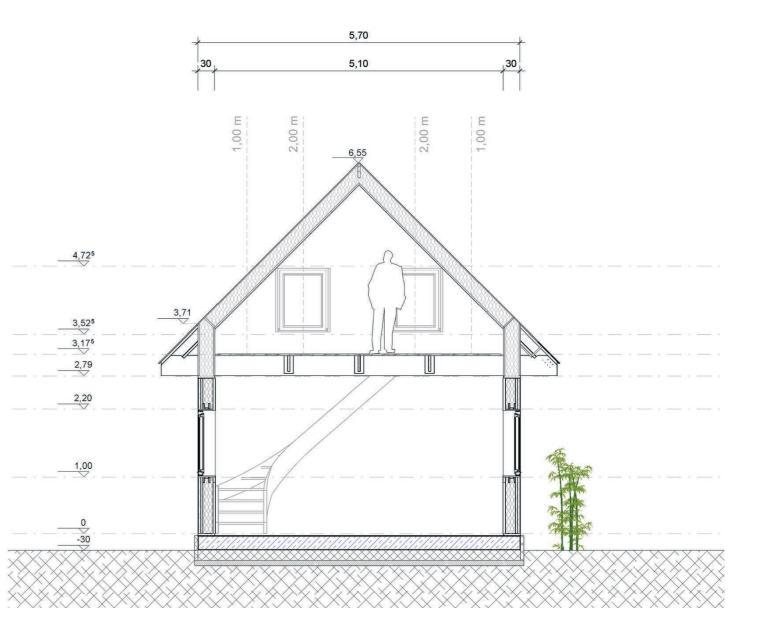
Also an Europe-wide delivery by truck or even a sea freight in a container (FCL) world wide is feasible.

In case you need such shipment, do not hesitate to contact us.



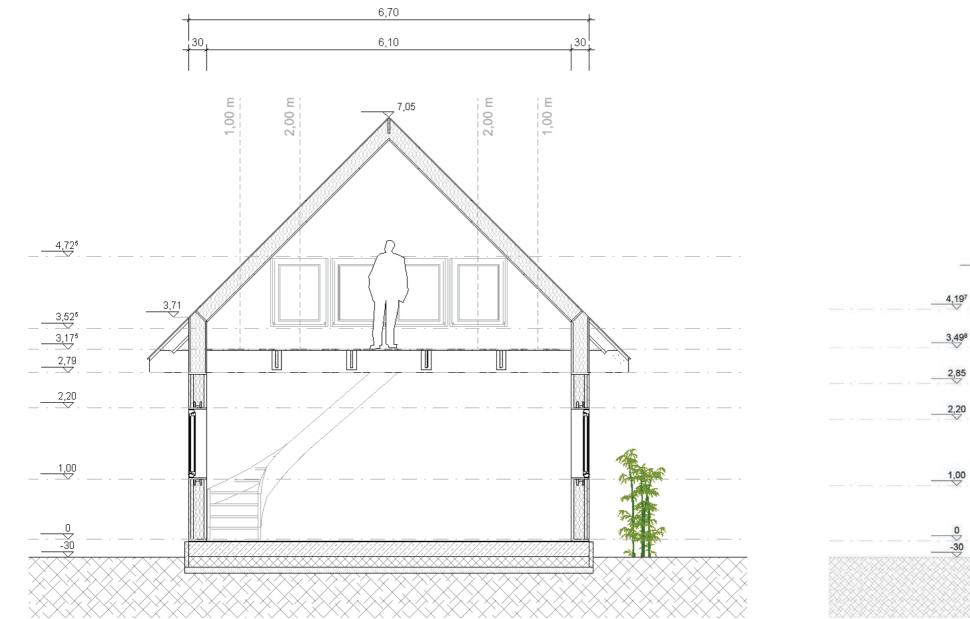
ANNEX

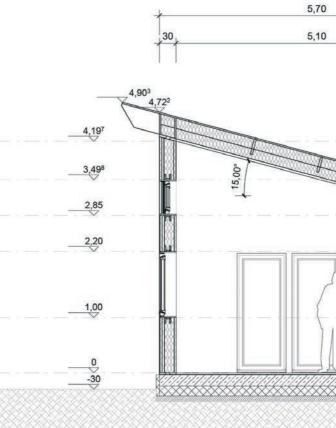
On the following pages you will find cross sections of our modular building kits and a template for calculating your project. If you do not find the measurements you need, just get in touch. We will be happy to help you.



(Not to scale!)

SECTION MODEL A1



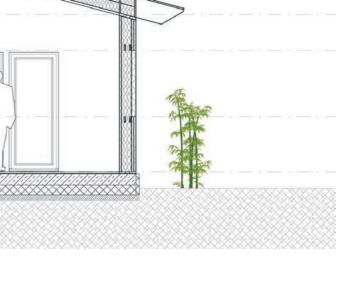


SECTION MODEL A+

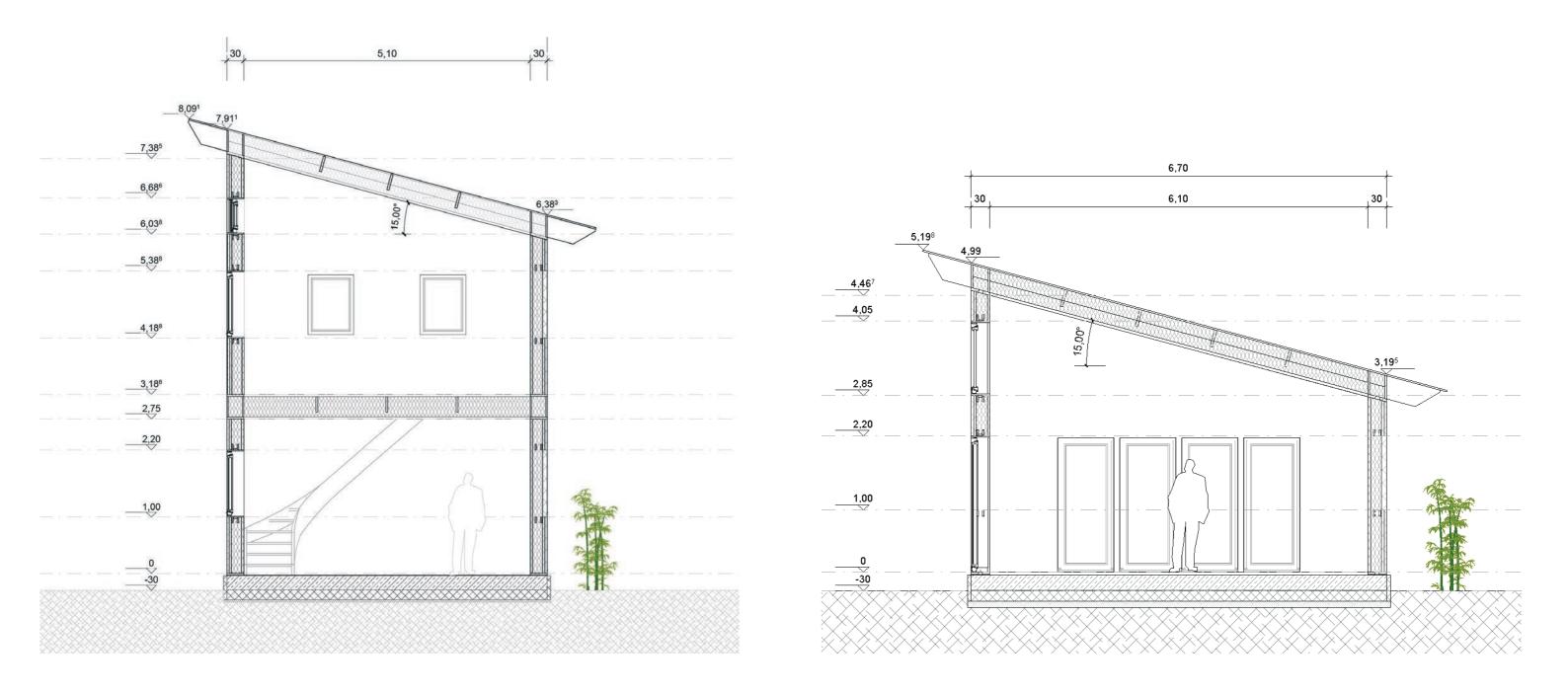
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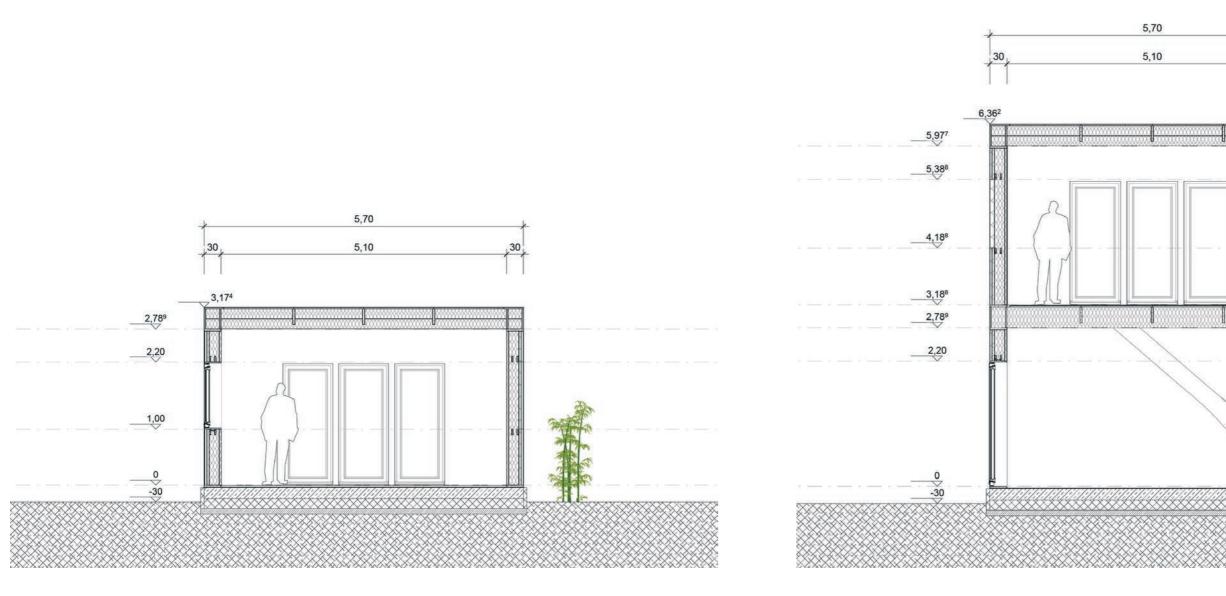




SECTION MODEL B2

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SECTION MODEL B+

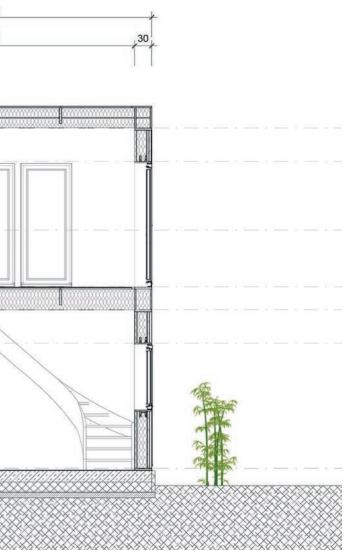


SECTION MODEL C1

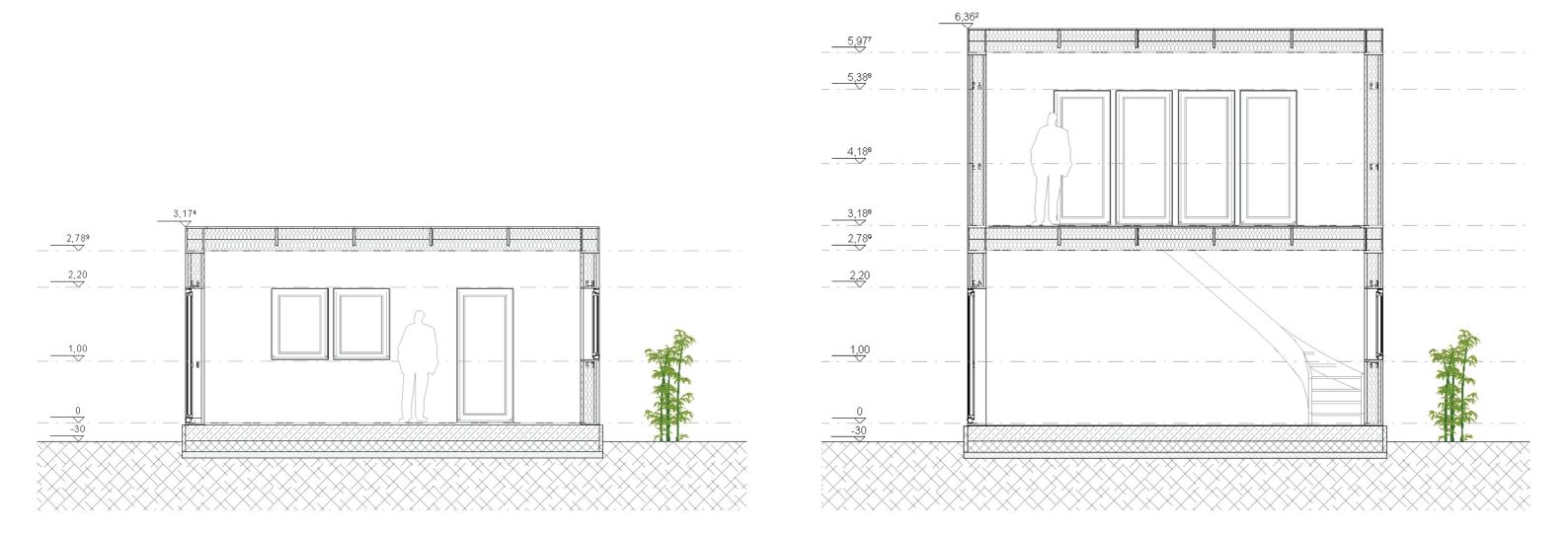
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SECTION MODEL C2



SECTION MODEL C+1

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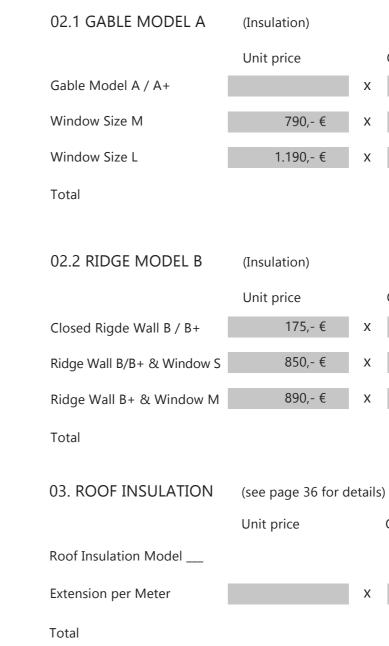
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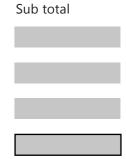
SECTION MODEL C+2

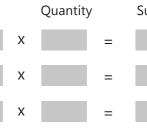
YOUR PROJECT

01. STRUCTURE	Unit price	Quantity	Sub total
MODEL Basic structure Extension per Meter		x =	
Total			
02. EXTERIOR WALL	(Insultation, see pa	age 14 ff. for details)
	Unit price	Quantity	Sub total
Corner kit			
Closed Wall	320,- €	X =	
Wall with Window S	950,- €	X =	
Wall with Window M	1.050,- €	X =	
Wall with Window L	1.390,- €	x =	
2-Bay-Frame	390,- €	x =	
3-Bay-Frame	450,- €	x =	
Steel cross	390,- €	x =	
Total			

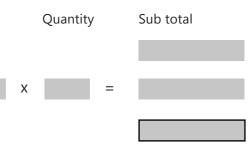




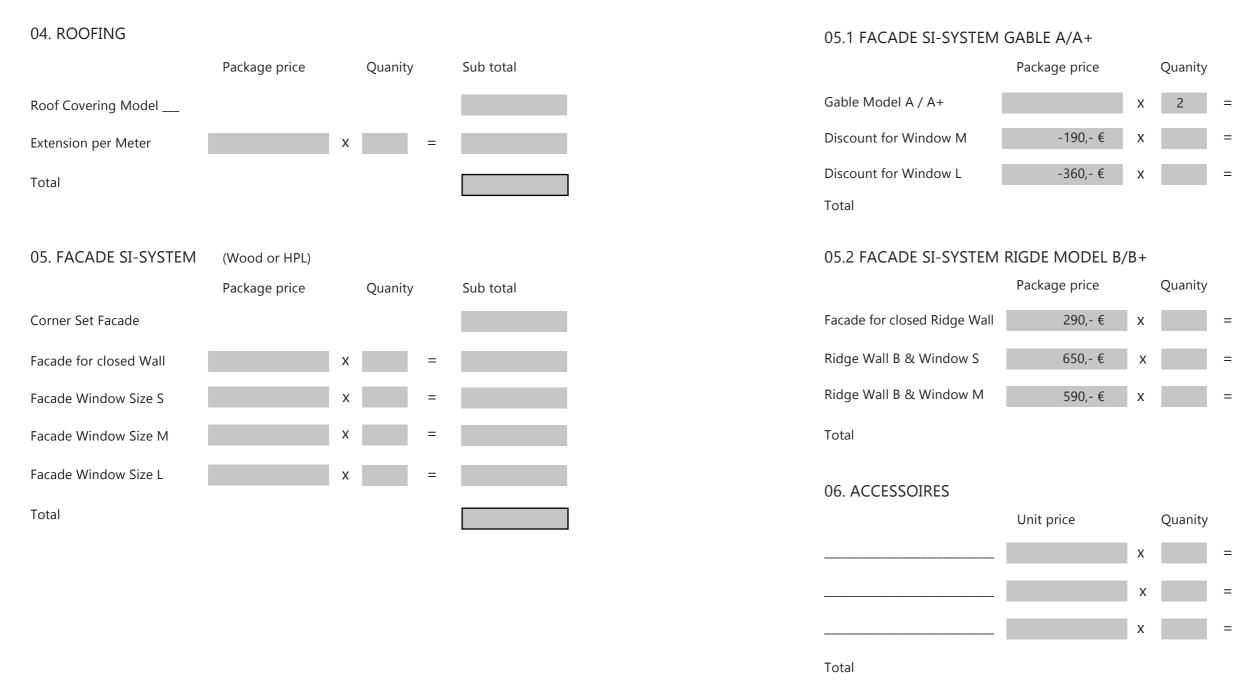


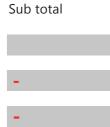






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Sub total	
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For even more detailed advice contact us by email or phone.

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