

	Range of works and materials used by Simple House At the construction site in the various choice options
Work stage	Materials
Earthworks	Removal of the humus
	Narrow spatial excavation to a depth of 1 m below ground level
Foundation	Reinforced bench - concrete B-20
	Walls - concrete block 12x24x38
	Concrete slab B-20; Reinforcement steel bars fi 6 mm
	Foundation feet B-20; armored steel bars fi6 - carport
	Thermal insulation - suitable for the energy standard - 5 cm styrofoam foundation
	Anti-moisture horizontal isolation- tarpaper
	Anti-moisture horizontal isolation - Dysperbit
Flooring layers	Floor coverings horizontal insulation - 2 x building foil glued black PE 0.2-0.3 mm
	Styrofoam 10 cm under the floor or 5 cm graphite styrofoam
	Styrodur 10 cm under the floor
	Passive polystyrene 0,030 W / mK, 10 cm under the floor
	Cement grit 5 cm thick, reinforced with polypropylene fiber
	Cement grit 7 cm for floor heating, fiber reinforcement polypropylene
Wooden construction of the building - pine planed, dried 18%.	External walls 38 x 150 mm
	Internal walls 38 x 90 mm
	Unused ceiling 38 x 150/180 mm
	Ceiling space 38 x 180/240 mm
	Timber roof truss 38 x 150/220 mm
	Os b plate outer wall plating - 12 mm
	Os b plate ceiling plating - 22 mm
Os b plate covering truss - 15 mm	
Roof - cover, dehydration, accessories	Gutters and down pipes Galeco- system solution hidden elements graphite-grey colour
	Gutters and steel pipes, eg Galeco on th surface, graphite-gray
	Blacha plannja emka klik na rąbek stojący - kolor: grafitowo szary Metal plate plannja emka klik on standing seam - color: graphite gray
	Ceramic red tile Wienneberger
	Roofing membrane - Proctor
	Electrical heating of gutters with automatic control

	Snow protections
	Chimney steps
	Roof windows - Roto R6, pine wood, lacquered, 54x118 cm, blue glass Roto window, 2-shaft standard package - coefficient for glazing $U_g = 1.3$ - 1 pcs.
Elevation	Silicone plaster facade on mesh and glue backing
	Plannja plate on wooden grid, colour anthracite 7024 4
	Plate of scandinavian spruce on wooden grill, visible installation - walls along the building
	Scandinavian spruce - terrace niches, the roof, visible construction, visible assembly
	cm ISOVER TF PROFIL isolating wool, stone, rock fiber gr. 10 cm
	Styrofoam polished neotherm 0,038 W / mK, gr. 10 cm, or equivalent
	Windproofing - Proctor Frameszild 100 CE
	Steel sills - like roofing
	Plinth - mosaic plaster coating
Window frames	VETREX V70 OPTIMAL BLACK (veka), color: white, without tint, tilt / turn systems - glazing factor $U = 0,6$ frame in "Master Therm" plastic glass, 5-chamber profile.
	OKNOTEKA - PVC frames, V82 (veka) of VETREX, color: white, no glazing, tilt / turn systems - glazing coefficient $U = 0,6$ frame in plastic glass "Master Therm", 6-7-chamber profile.
	DZIADEK - wooden, pine profile dressed, lacquered, without triangles, gray frame, drip plates tilt / turn systems - coefficient for glazing $U = 1.0$ , color on both sides pine
	Dziadek - wooden, energy-saving, pine profile dressing, lacquered, no trusses, tilt / turn systems - coefficient for glazing $U = 0.5 / 0.6$
Front door	Door entry straight, without extrusions, Premium Termo witch, $U_d = 1,1$ standard energy-saving, anthracite color
	Simple, without extrusions, Premium, $U_d = 1,4$ , anthracite color
Inner door	Simple, without extrusions, Premium, RAL 9003
	Attic loft, ladder stairs, folding, installation along the floor beams
Garage gate	Sectional garage door, pilot operated, anthracite color - Wiśniowski 2,4x2,0
Outdoor terraces, Entrance to the building	Terrace at the top, in the outline of the building - Scandinavian spruce on wooden substructure, without barriers and steps deck / ground level, visible mounting
	Terrace on the long side, in the outline of the building - Scandinavian spruce on wooden substructure, without barriers and stairs deck / ground level, visible mounting
	Concrete slab, without lining
	Wool ceilings 15cm - structural exterior walls
	Additional wool 5 cm - structural exterior walls
	Wool 5 cm - soundproof inner walls

Wall insulation and ceiling isolation	Wool 15 cm - sound insulation ceiling
	Wool 20 cm - insulation non-use ceiling
	Additional wool 10 cm - insulation non-use ceiling
	Wool 20 cm - ceiling - cathedral ceiling
	Additional wool 10 cm - ceiling - cathedral ceiling
	Vapor barrier - Proctor Procheck Economy CE - external plane
Wall finish	Wooden grid 4x7 cm, 4 x 5 cm or 2.5 x 4 cm - depending on the location - ceilings, external plane of the house, roofs
	Gypsum fire board 12,5 mm
	Gypsum board impregnated 12.5 mm - wet rooms
	Priming
Ventilation, flue and smoke pipes	Double insulated steel pipe
	Exhaust pipe for gas boiler
	Flexible spiro cables, ventilation above the roof
Lightning protection	Drain hose, test connector, earthling or vertical point
Electrical installation	4 sockets per room, 1x power socket for the building, complete switchboard
	Assembly of electrical equipment Schneider Electric - Anya, or equivalent, electrical measurements
Telephone installation	1 per building
TV installation	2 per building
Installation c.o. And hot water	Electric wall mounted convectors up to 2 kW
	Electric boiler to 120l, Biaar
	Floor heating - house
	NIBE OW-PC 270.1 R hot water pump, or equivalent
Installation c.o. And gas heating	Single-fired boiler with closed combustion chamber and storage tank (80l) Saunel Duval Isotwin F 25H - MOD, power from 4.1 to 24.6 kw or equivalent
	KERMI plate heaters, thermostatic heads
	Underfloor heating, ladder heater in the bathroom
Installation c.o. And dhw heat pump	Air heat pump NIBE 9kW or equivalent, hydraulic module and hot water tank
	KERMI plate heaters, thermostatic heads
	Underfloor heating in the living part
Installation of additional heating	Installation of a free-standing stove (purchase up to 1600.00 zł), exhaust pipe
	Traditional fireplace with simple GK panel, price of accessory cartridge up to 2200 zł, flue pipe
	Gravitational distribution of heat to .... rooms
	Mechanical distribution of heat to .... rooms
Water installation	Pvc welded, fittings, fixings, with no external tapping point

Sewage installation	Plumbing pipe sewer pipe sewer, pushed, led to the outline of the building, vented out to the outside of the building
Ventilation - options	Ventilation - gravitational options - spiro splicing cables in appropriate rooms
	Mechanical - unit Altra Duplex Easy 250, or equivalent, ventilation ducts, anemostats, intake and exhaust
<b>Note:</b>	All installations brought out from outside wall contours.