



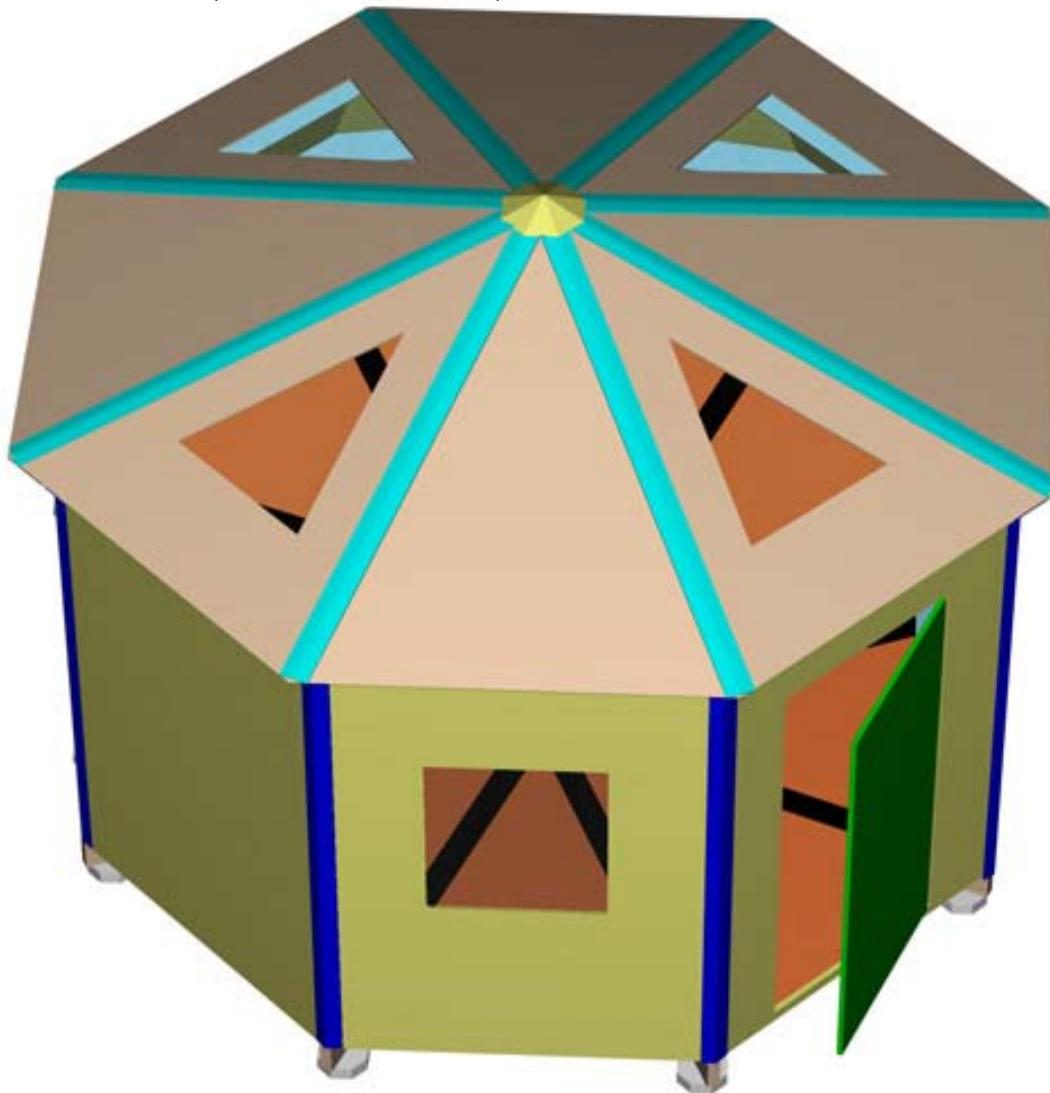
Innovation
Pat. pending
Inventor

AIDIMA HOUSE, PLYWOOD, HURRICANE RESISTANT

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Martti Hotti

For Sale
Contact

The total innovation and business idea as a global production and marketing license.
Veikko Saksi (contact information below)



Use First accommodation and service building for emergency, disaster, earthquake, flood, hurricane and similar districts. House for refugees and homeless people. Warehouse, garage, summer house. Hurricane resistant when built under the ground.

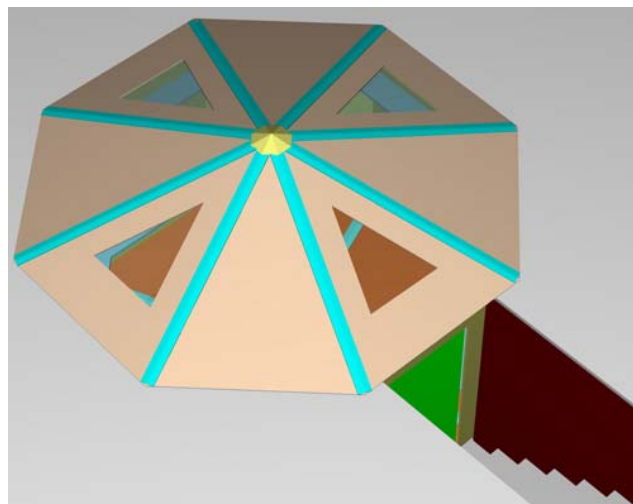
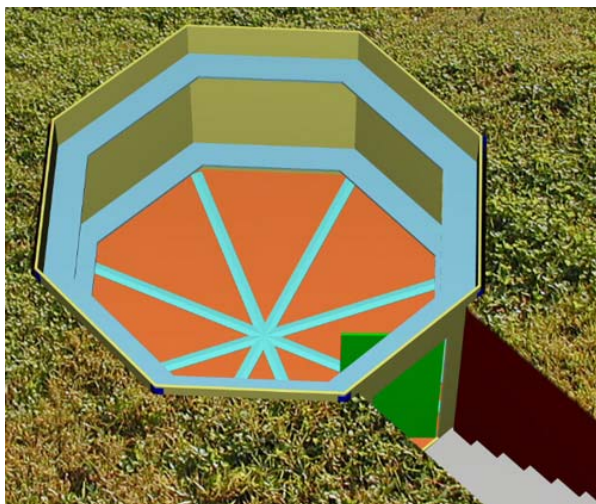
Characteristics Foundation: anchored concrete poles, in which the house construction has been bind.

Material for walls, roof and floor: 19 mm film coated spruce plywood. Fine adjustment in the floor if needed.

Diameter of the house 4 200 mm, indoor height of the ridge 2 500 mm, height of wall 2 400 mm.

Mounting and striking time with a 5 men team: 2 – 3 hours, no need of special tools. A team premakes corner and strutting points f. ex. of bricks.

Transportation box: plywood box 2 400 x 1 700 x 650 mm (20 foot container takes 6 pc). Weight of transportation box about 1 500 kg.



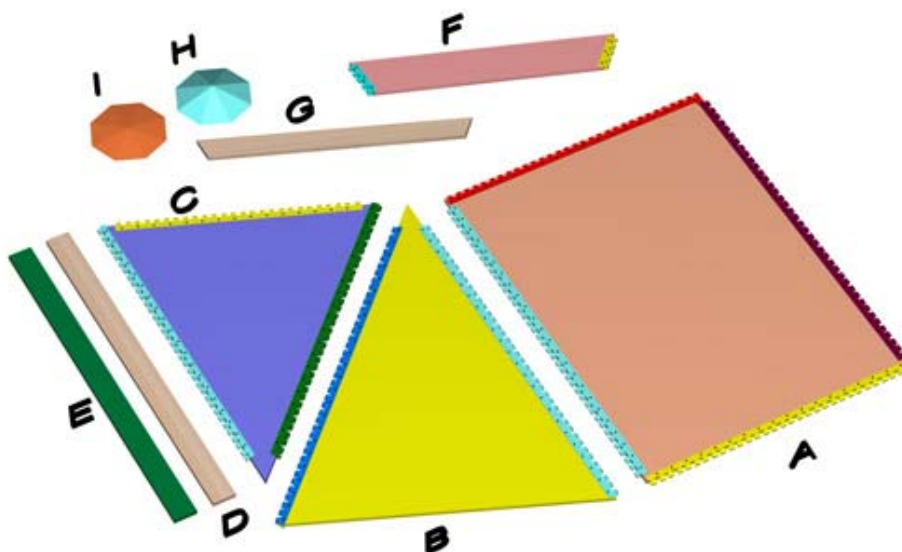
Images: house on the left, built under the ground without floor, covering lists of floor joints and bracket shelves rounding walls. House on the right, roof of the underground house, stairs and door.

Materials

The plywood sheets are joint together with the 3-leaf-hinge, the joint is windproof. The footing is made of by bolts joint 30 mm plywood elements and heat treated planed spruce.

Decay-resistant. Door construction similar as the door of the refrigerator. The window by a rubber collar.

Parts	mm	mm	mm	pc/m
A Wall sheets	1 500 x	2 400 x	19	8
B Roof pediment	1 700 x	2 400 x	19	8
C Floor plywood	1 500 x	1 800 x	19	8
D Floor bracket plank	2 100 x	150 x	30	16
E Floor bracket plywood	2 100 x	150 x	30	8
F Bench/shelf elements	1 600 x	350 x	19	16
G Floor side element	1 600 x	150 x	32	8
H Roof top cone	400 x	400 x	50	1
I Middle part of floor	400 x	400 x	20	1





Other parts	mm	mm	mm	pc/kg/m
Plastic joint covering sheet	90 x	305 x	20	200
Joint axes, plastic	15 x			65
Floor height adjustment bolt	12 x	120		9
Nut sheet for the previous	100 x	100 x	30	9
Joint bolts for floor base	8 x	100		64
Window (PVC, light), roof				4
Window (PVC, light), wall				1
Bench/bench brakets				16

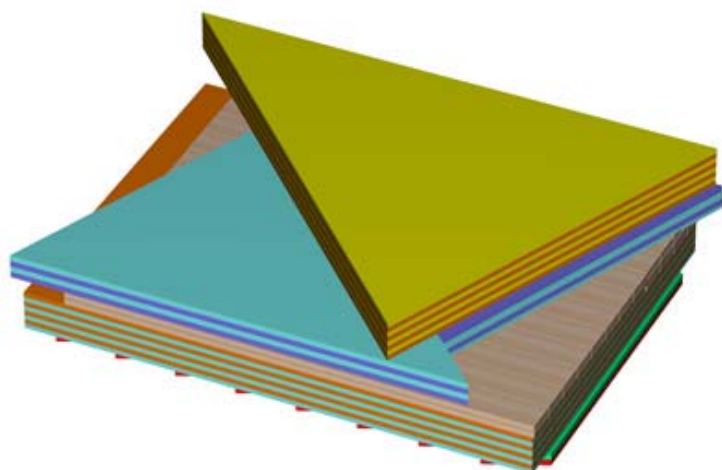
Material cost	Amount	Unit p	Cost
Plywood	1.6 m ³	500,00 €/m ³	800 €
Hinges (subcontractor)	270 kg	0,80	216 €
Heat treated wood	0.21 m ³	400,00	84 €
Plastic covering tags, 54 g/pc	200 kpl	2,00	22 €
Middle parts, roof (steel)		0,30	20 €
Middle parts, floor (plastic)			6 €
Mounting pipe (axes)	65 m ³		20 €
Window (PVC, 4 mm + gaske	8.7 kg		50 €
Bolts, steel, iron			140 €
			1 358 €

Working cost/house			
Work, estimate	55 tt	150 €/8 h	8 250 €
Houses/day		150 pc	55 €/house

Cost total/house	
Cost total/house	1 438 €

Production lines

Production lines (200 houses/8 h, basis for cost 150 houses/day). Mechanical fixing of hinges on the sheet production lines. Other parts and equipments by sub-supplier. More detailed production line and cost calculations available.



Images: piled materials and hinge