Table 1 Dalarnas Villa building components and materials adapted from (Magnusson, 2020; Petrović et al., 2021) – (Source: the author)

	House Building Component	Material
Foundation	Foundation	Reinforced concrete
	Foundation insulation	Expanded polystyrene (EPS) insulation boards
House Structure	Structure System	Wood framework
	Roof	Steel
House Envelope	Attic insulation	Cellulose (loose) insulation
	External Wall: Façade	Wood panels
	External Wall: Insulation	Cellulose (loose) insulation made from recycled newspapers
	External Wall: 3rd layer	Cross-laminated timber (CLT)
	External Wall: Indoor side layer	Gypsum
	Windows	Triple-glazed with U-value 1.0. W/m2K
	External doors	Glass-wooden doors
	Balconies	Thermo-wood (Heat-treated wood)
House Interior	Internal Walls	Gypsum
	Internal Walls insulation	Wood fiber insulation
	Indoor floor finishing	Parquet
	Internal doors	Wood
	Internal & external walls	Both included plastic layers
Smart Energy and Water Systems	Energy System 01	PV panels were installed on the south-west roof side
	Energy System 02	an exhaust ventilation system
	Energy System 03	ground source heat pump
	Water control system	Smart water system