



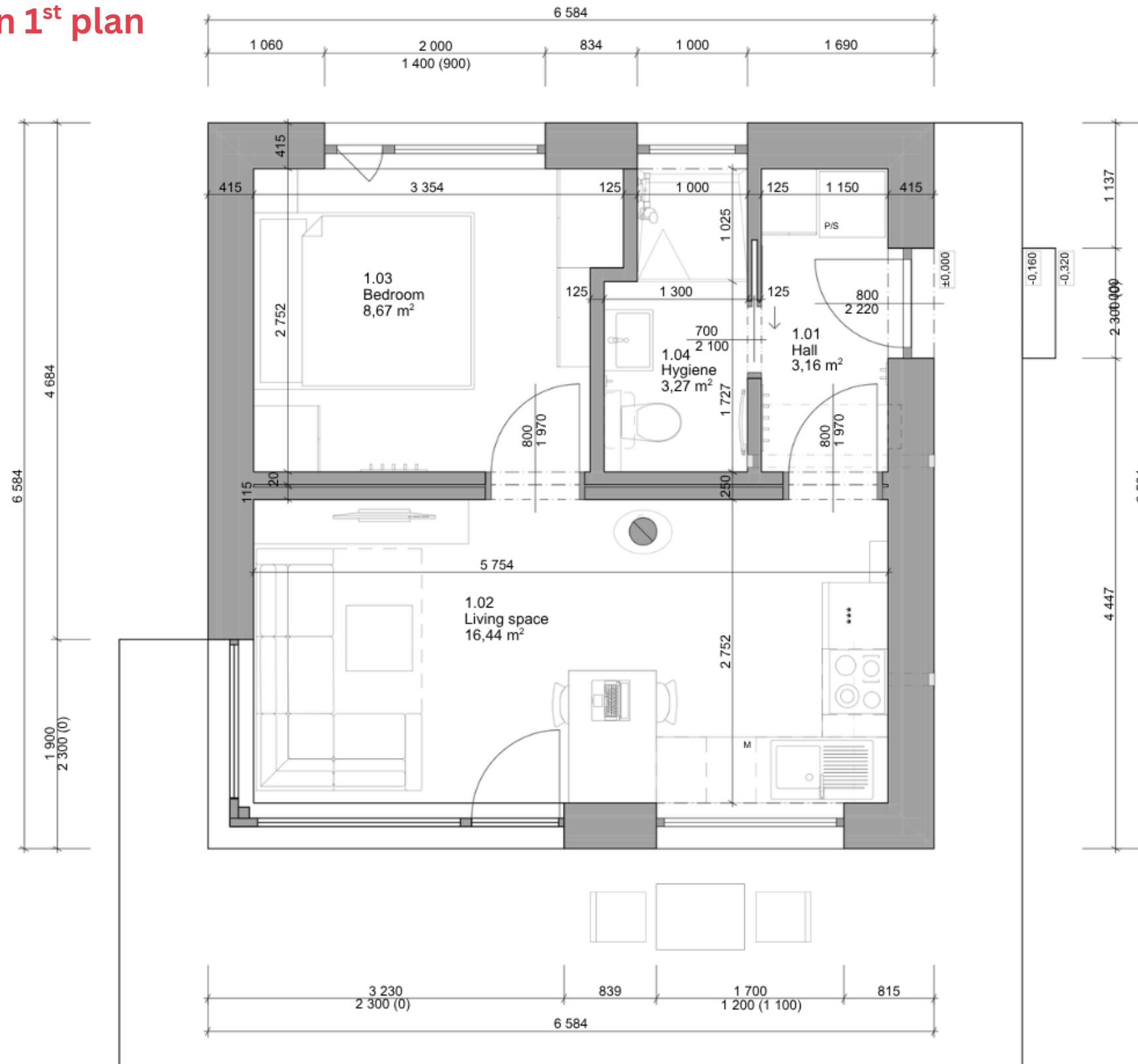
ModulLine V

Concept Study

ModulLine



Floorplan 1st plan



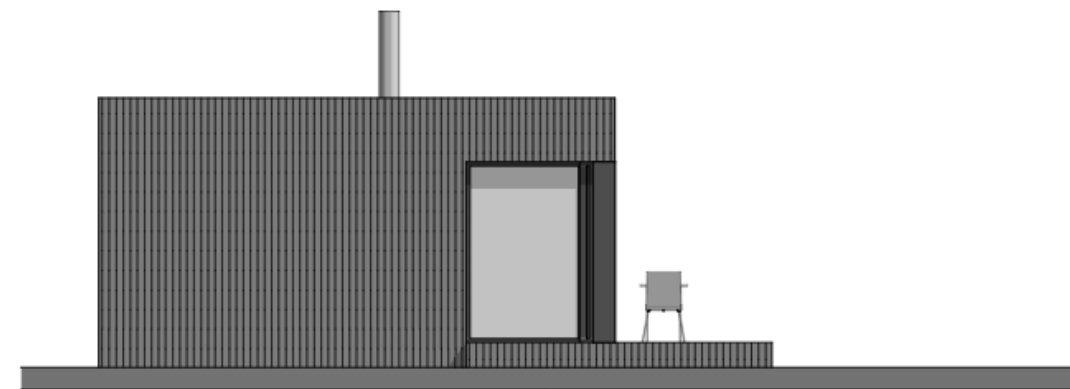
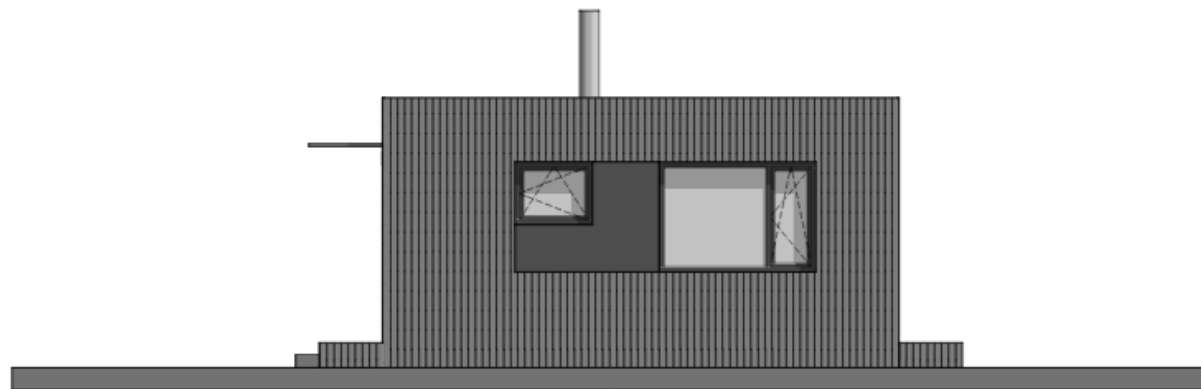
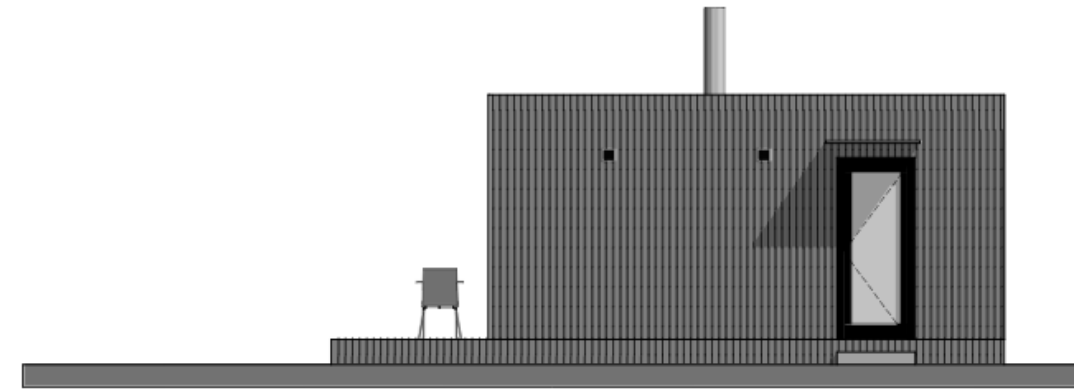
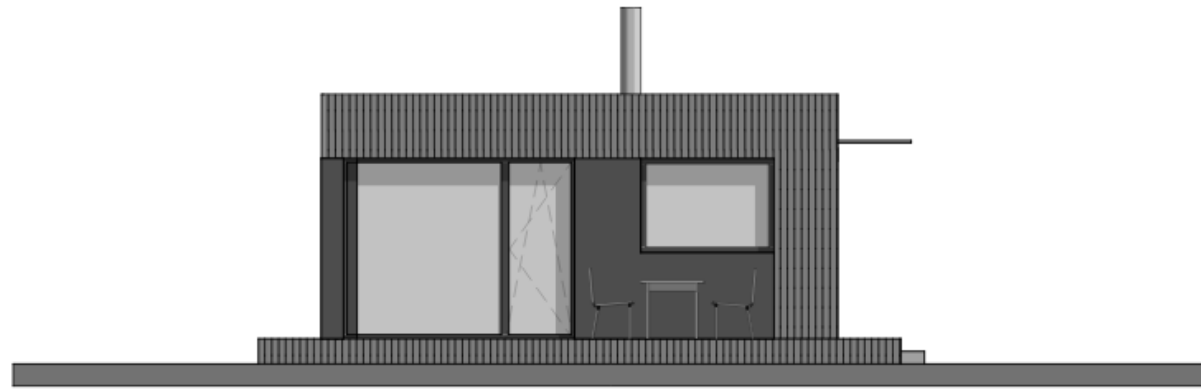
Built-up area: 43,35 m²
Model name: ModulLine V

Purpose of construction: permanent living
Max. occupancy: max. 2 persons (+2)

ModulLine



Views





Vertical cross-section



C1 - Exterior Wall | Overall thickness: 415 mm

Layer	Dimension
Vertical wooden siding planks	20/22 mm
Black vapor-permeable facade membrane	-
Horizontal wooden framing 40x60 mm	60 mm
Vertical wooden framing 40x60 mm	40 mm
Sandwich panel with mineral insulation	160 mm
OSB tongue-and-groove board	20 mm
Metal stud framework CW100	20 mm
Mineral insulation	80 mm
Vapor barrier	-
Gypsum board	12,5 mm

C2 - Interior Wall | Overall thickness: 125 mm

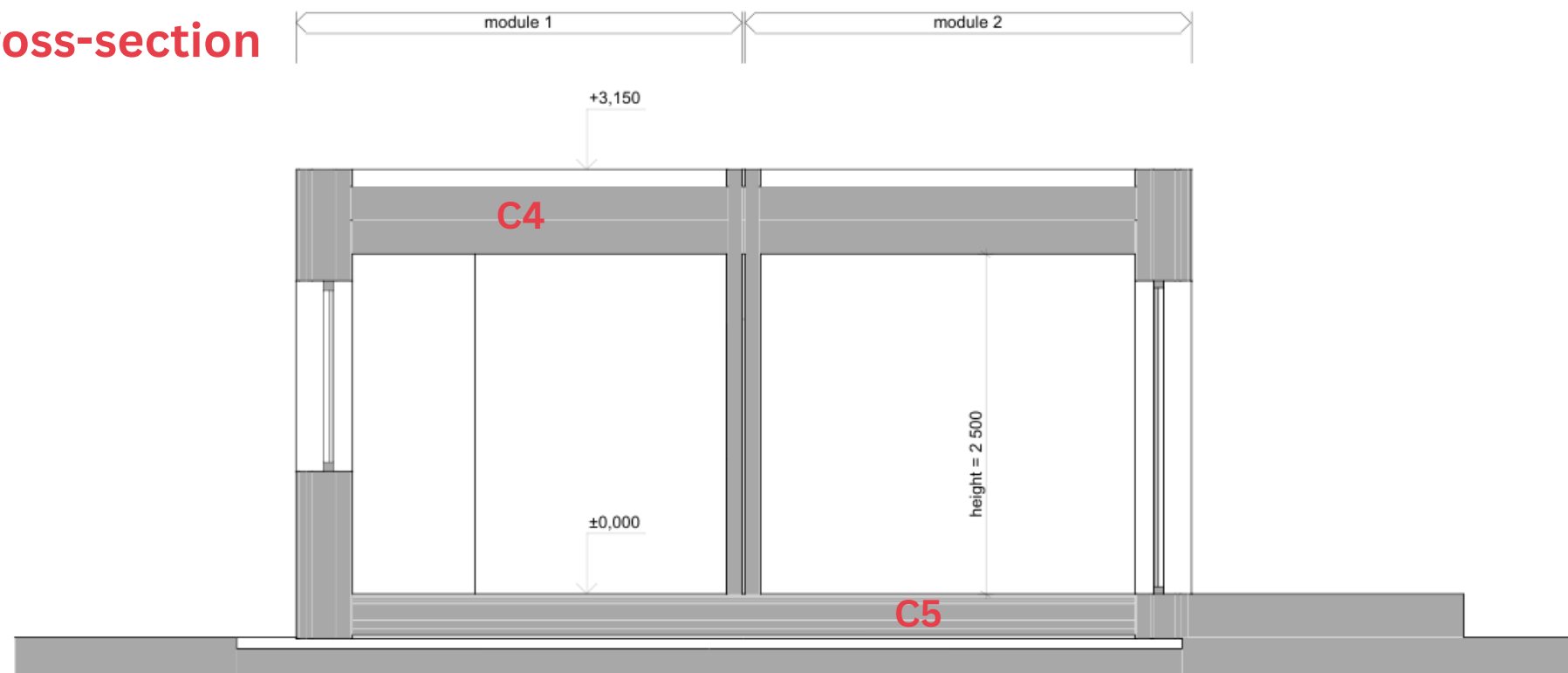
Layer	Dimension
Gypsum board	12,5 mm
Metal stud framework CW100	20 mm
Mineral insulation	80 mm
Gypsum board	12,5 mm

C3 - Wall between modules | Thickness: 115 mm

Layer	Dimension
Gypsum board	12,5 mm
Metal stud framework CW100	20 mm
Mineral insulation	80 mm
Black diffusion membrane	2 mm



Vertical cross-section



C4 - Flat roof | Overall thickness: 430 - 610 mm

Layer	Dimension
PVC sheet roofing	3 mm
Glass fiber nonwoven fabric	2 mm
EPS 100 slope wedges, minimum slope of 3%	30 - 210 mm
EPS 100	100 mm
OSB tongue-and-groove board	25 mm
Mineral insulation	120 mm
Metal grid 60x60	60 mm
vapor barrier	-
installation gap between profiles	50 mm
Metal grid for suspended ceilings	27 mm
Gypsum board	12,5 mm

C5 - Floor | Overall thickness: 325 mm

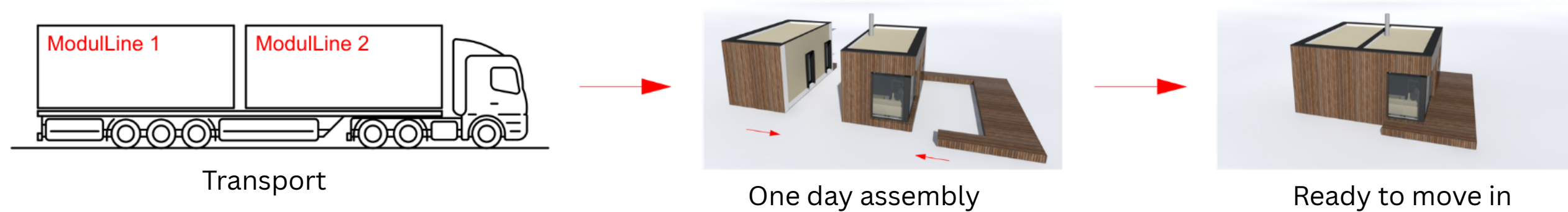
Layer	Dimension
Vinyl flooring	5 mm
Floor adhesive	-
Self-leveling compound	10 mm
Gypsum fiberboard flooring (2 pcs)	25 mm
Centralized electric floor heating	5 mm
"Hobra" fiberboard	20 mm
OSB tongue-and-groove board	25 mm
Vapor barrier	-
Damping tape	5 mm
Mineral insulation	120 mm
Wooden slats with mineral insulation	60 mm
PIR panel with a protective film	50 mm
PIR ring	20 mm
Pad	10 mm
Air gap underneath the structure	100 mm



Stages

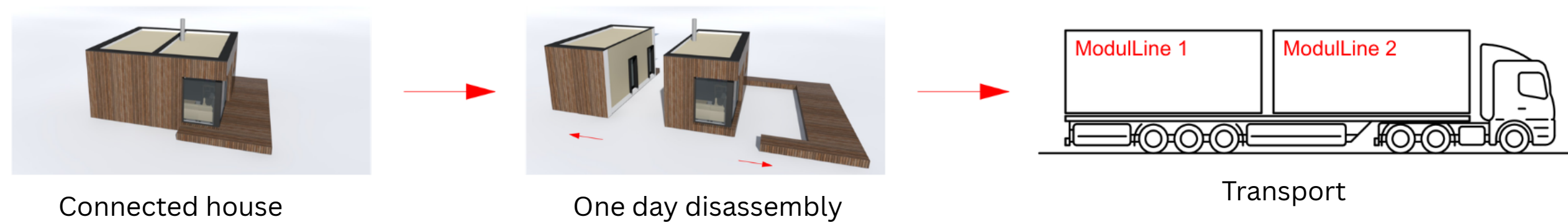
Stage 1 – Assembly

The modules are standalone and easy to connect. Delivery, installation, and connection to public utilities can be completed within a single day.



Stage 2 – Disassembly

In case of relocation, the house modules can be dismantled within one day and transported to a new site by a single truck.



Drawings

