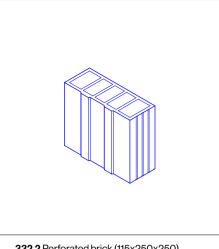


332.1 Perforated brick (300x250x250) CAM_25_E08.020.025.D

product price 61,98 €/m²

incl. construction 79,77 €/m²

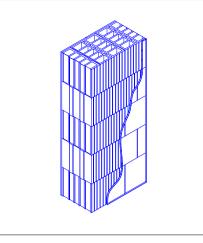


332.2 Perforated brick (115x250x250) CAM_25_E08.020.025.B

product price

41,25 €/m²

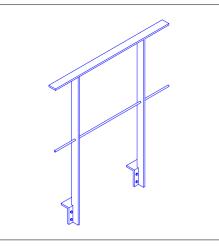
incl. construction 53,09 €/m²



335.1/2 Diluted lime slurry (incl. preparation) CAM_25_E21.020.010.A/010.005.A

product price 0,16 €/m²

incl. construction 14,3 €/m²

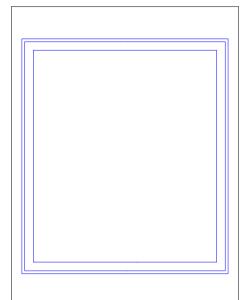


332.3 Railing

Stainless steel, wires, 4 mm

product price 0,16 €/m²

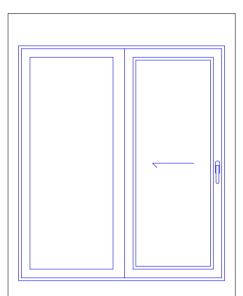
incl. construction 14,3 €/m²



334.1 Façade fixed CAM_25_E18.080.011.A

product price 397,9 €/m²

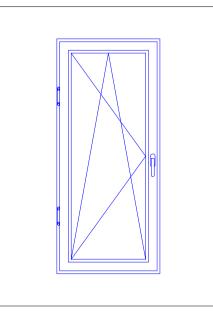
incl. construction 473,49 €/m²



334.1' Façade sliding element CAM_25_E18.080.011.D

product price

incl. construction 700,18 €/m² 901,13 €/m²



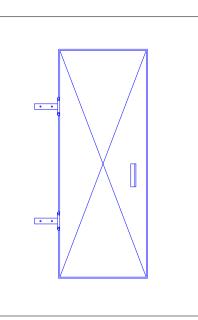
334.2 Window

CAM_25_E18.080.013.B

product price 659,59 €/m²

42,33 €/m²

incl. construction 952,75 €/m²

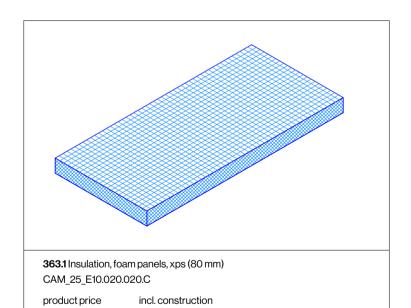


334.4 Door

Hinged metal sheet

product price incl. construction 180 €/pc. 220 €/pc.

353.2 Floor cement screed, 60 mm CAM_25_E07.010.010.A product price incl. construction 3,74 €/m² 17,3 €/m²



61,74 €/m²

Disclaimer

The construction elements listed only include a base set for non structural works within an existing concrete skeleton. Products and finishing may be adapted due to the specific desires of the client or/and differing conditions found on site.

Latent Villas

unfinished architectures and their potentials Non structural construction elements

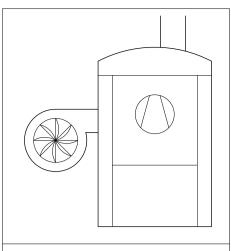
Transformation of unfinished buildings Markus Köhler, Explore Lab 39

P5

Construction catalogue

Scale 1:20

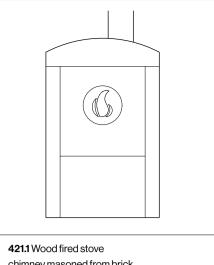
Plan-Nr.: A-2.5 24.06.2025 Date:



421.1/.2 Gas thermal group and burner CAM25_M01.010.040.A/M03.030.020.B

product price 4.060 €/pc

incl. construction 5.970 €/m²

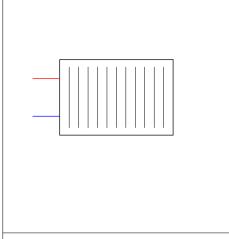


chimney masoned from brick

product price -€/m²

incl. construction

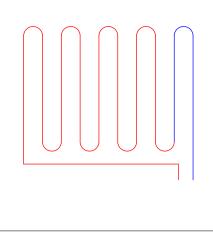
- €/m²



422 Radiator

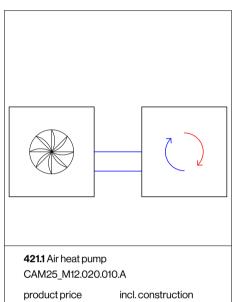
CAM25_M07.010.030.B

product price incl. construction 20,78 €/pc 15,98 €/pc



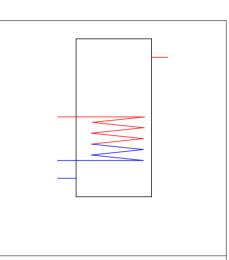
423.1 Floor heating CAM25_M12.020.010.B

product price incl. construction 3,53 €/m 10,23 €/m



2.566,46 €/m²

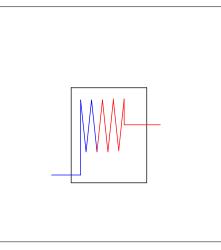
3.468,05 €/m²



412.2 Cavity water heater CAM25_C08.010.010.C

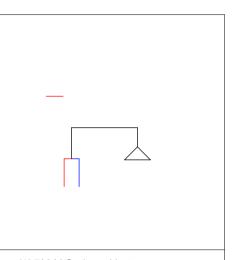
product price 345,75 €/pc

incl. construction 510,81 €/pc



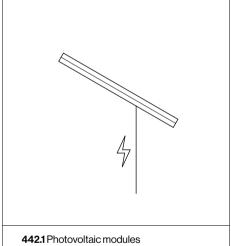
412.6 Water heater (electric) CAM25_C08.010.060.E

product price incl. construction 164,76 €/m² 258,13 €/m²



412.7/.8/.9 Sanitary objects CAM25_I01.020.015.H/020.A/060.A

incl. construction product price x €/m² x €/m²



CAM25_L20.010.011.B

product price 382,77€/pc

incl. construction 521,21 €/pc

442.3 Battery 4,6 / 9,2 / 13,8 kWh

product price incl. construction

1.661 / 3.330 / 4.295 €/pc

Disclaimer

The construction elements listed only include a base set for non structural works within an existing concrete skeleton. Products and finishing may be adapted due to the specific desires of the client or/and differing conditions found on site.

Latent Villas

unfinished architectures and their potentials Non structural construction elements

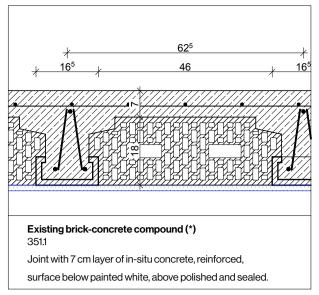
Transformation of unfinished buildings Markus Köhler, Explore Lab 39

P5

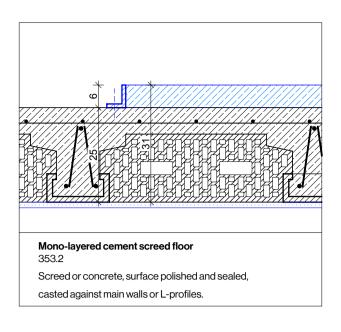
Installation catalogue

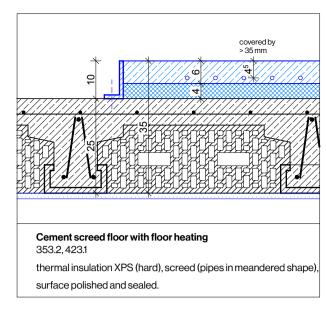
Scale 1:10

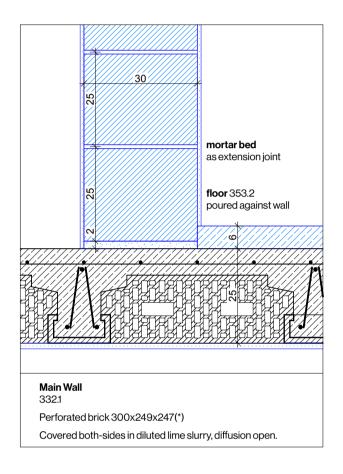
Plan-Nr.: A-2.6 24.06.2025 Date:

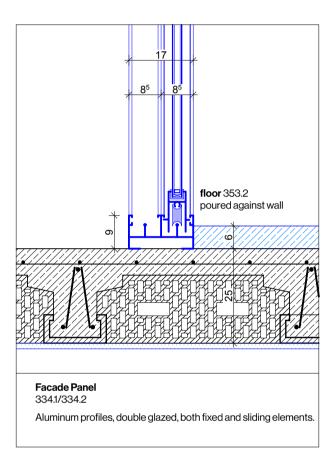


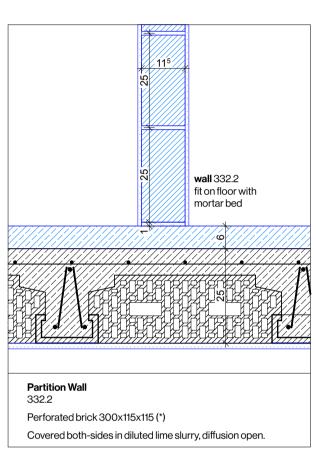
(*) sizes, quality and execution may differ from site to site.







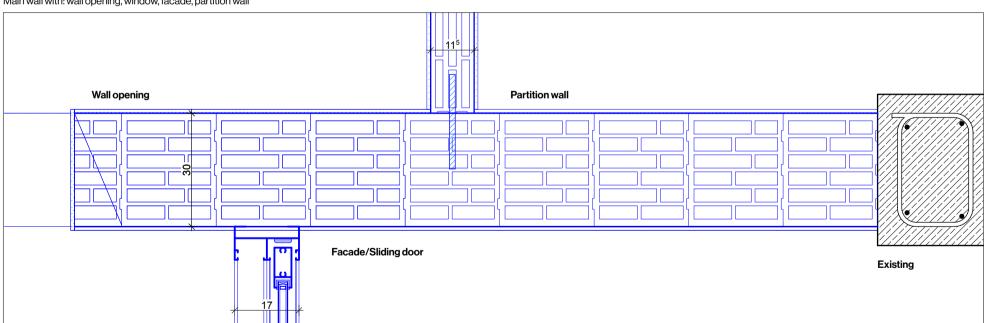




(*) sizes may differ due to regional standards and availability.

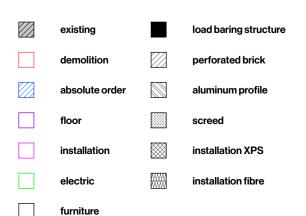
Exemplary Joints

Main wall with: wall opening, window, facade, partition wall



Disclaimer

All details show an intermediate stage of the planning.
Dimensions to be verified with the existing structure on site.
Constructions may be adapted due to the specific desires of the client or/and differing conditions as found on site.



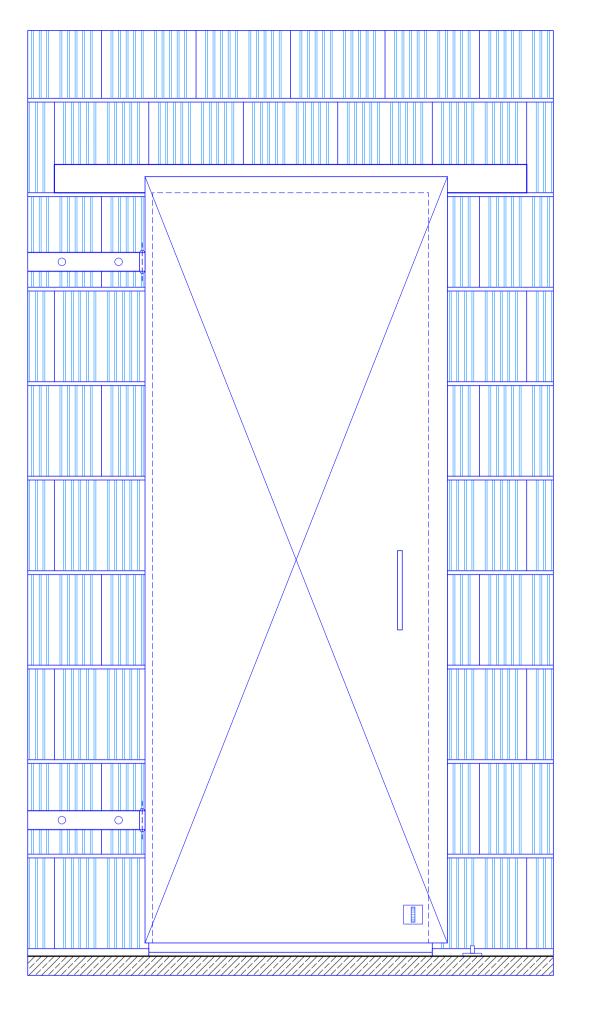
Latent Villas

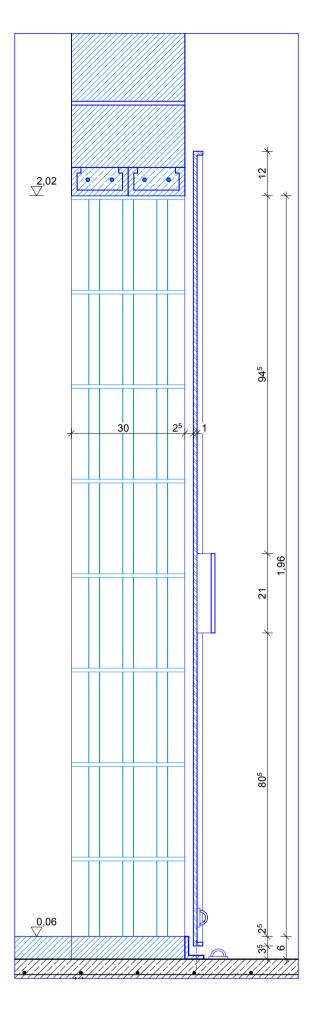
unfinished architectures and their potentials Standard Set of Details

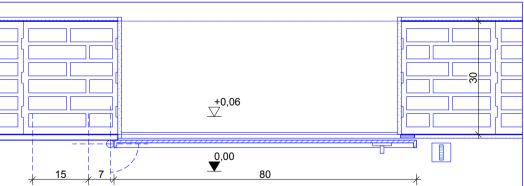
Transformation of unfinished buildings Markus Köhler, Explore Lab 39

P5 **Joints** Scale 1:10

Plan-Nr.: A-2.2 Date: 24.06.2025







Wall openings/ doors

334.3

Walls with no thermal properties are executed without a door frame and attached outside on the brick wall. The door leaf is a folded metal sheet.

The hinges are held by a steel sword, anchoring the door in the

The door handle is realized by a welded metal grip. Optionally a lock can be attached with a chain.

Disclaimer

All details show an intermediate stage of the planning.
Dimensions to be verified with the existing structure on site.
Constructions may be adapted due to the specific desires of the client or/and differing conditions as found on site.

existing	load baring structure
demolition	perforated brick
absolute order	aluminum profile
floor	screed
installation	installation XPS

electric

furniture

installation fibre

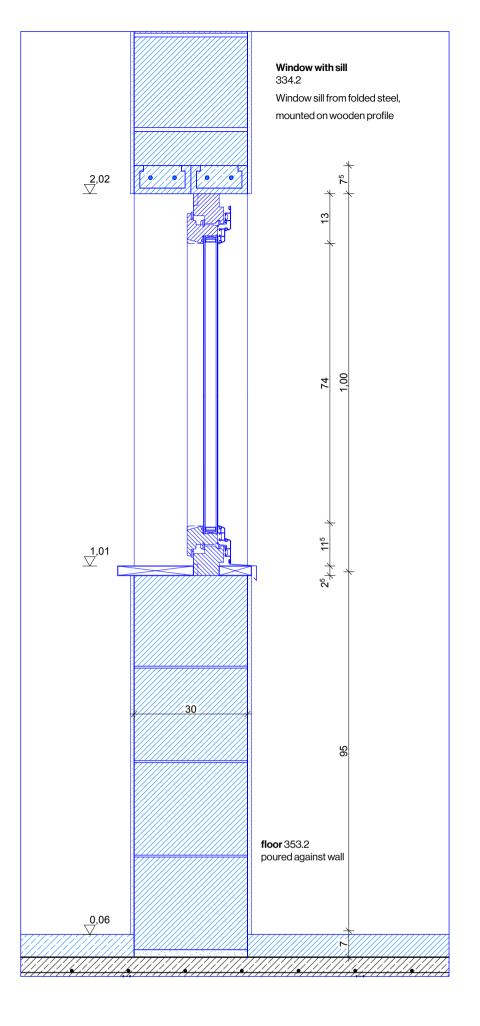
Latent Villas

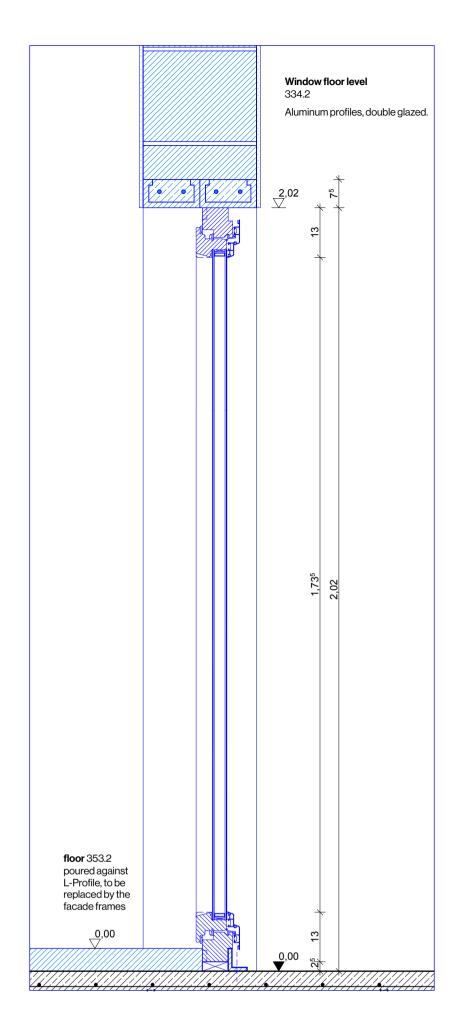
unfinished architectures and their potentials Standard Set of Details

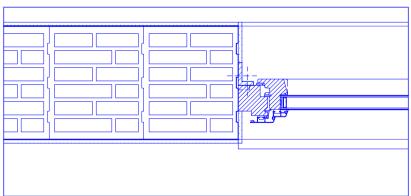
Transformation of unfinished buildings Markus Köhler, Explore Lab 39

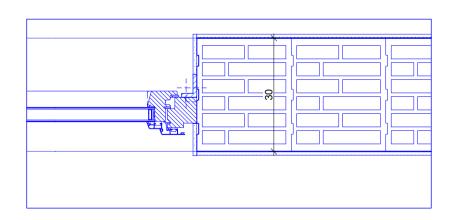
P5 Door Scale 1:10

Plan-Nr.: A-2.4 Date: 24.06.2025









Disclaimer

All details show an intermediate stage of the planning.
Dimensions to be verified with the existing structure on site.
Constructions may be adapted due to the specific desires of the client or/and differing conditions as found on site.

existing		load baring structure
demolition		perforated brick
absolute order		aluminum profile
floor		screed
installation		installation XPS
electric	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	installation fibre

furniture

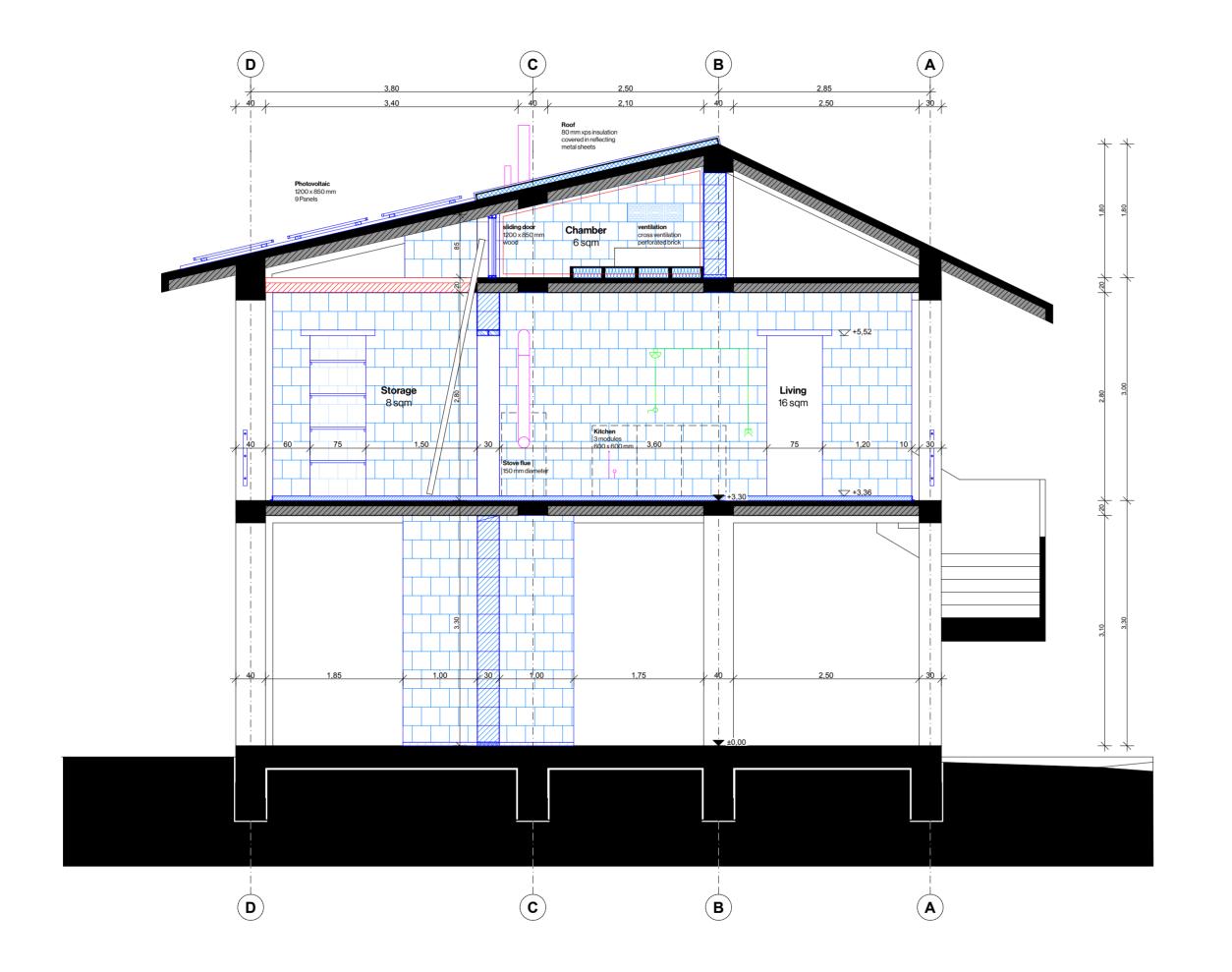
Latent Villas

unfinished architectures and their potentials Standard Set of Details

Transformation of unfinished buildings Markus Köhler, Explore Lab 39

P5 **Window** Scale 1:10

Plan-Nr.: A-2.3 Date: 24.06.2025



---- **axis** related to existing structure height marker raw surface height marker finished surface altitude marker aperture in wall finishes ceiling, floor, walls electrical installation all lines to be installed exposed power outlet exposed, wall mounted power outlet height double power outlet exposed, wall mounted single switch exposed, wall mounted changeover switch exposed, wall mounted light source wall mounted light source ceiling mounted verteiler/fusebox ceiling mounted battery lithium-ionen (pv-energy storage) water/heating all lines to be installed exposed electric water heater Stiebel Eltron DHB-ELCD load bearing structure perforated brick aluminum profile installation fibre

plan graphics symbols and abbreviations

DisclaimerAll plans show an intermediate stage of the executive planning.
Dimensions to be verified with the existing structure on site.
Please refer to the attached set of Details.

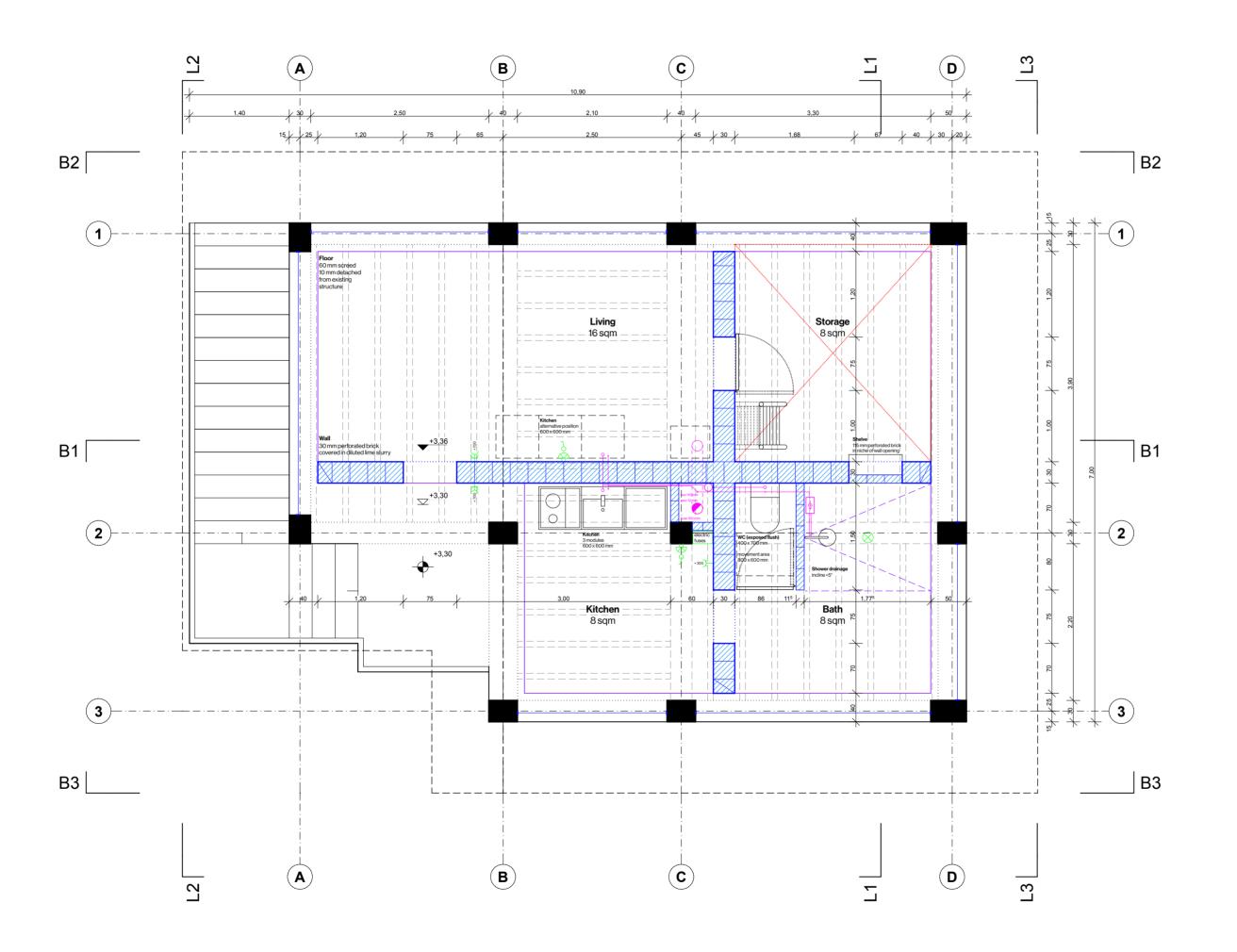
01 // Ruvo del Monte Transformation of an unfinished building

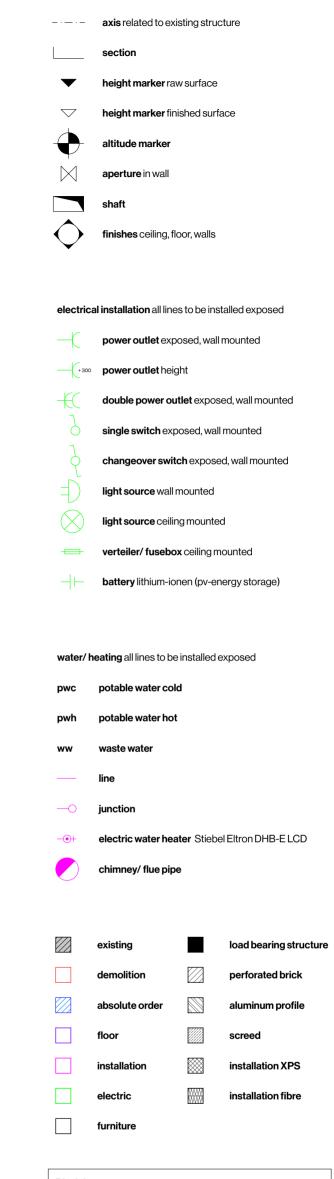
Plot: 40°51'06.1"/ N 15°32'26.4"E Markus Köhler, Explore Lab 39

P5 **Section 1** Scale 1:50

Plan-Nr.: A-2.1.1 Date: 24.06.2025







plan graphics symbols and abbreviations

Disclaimer

All plans show an intermediate stage of the executive planning.

Dimensions to be verified with the existing structure on site.

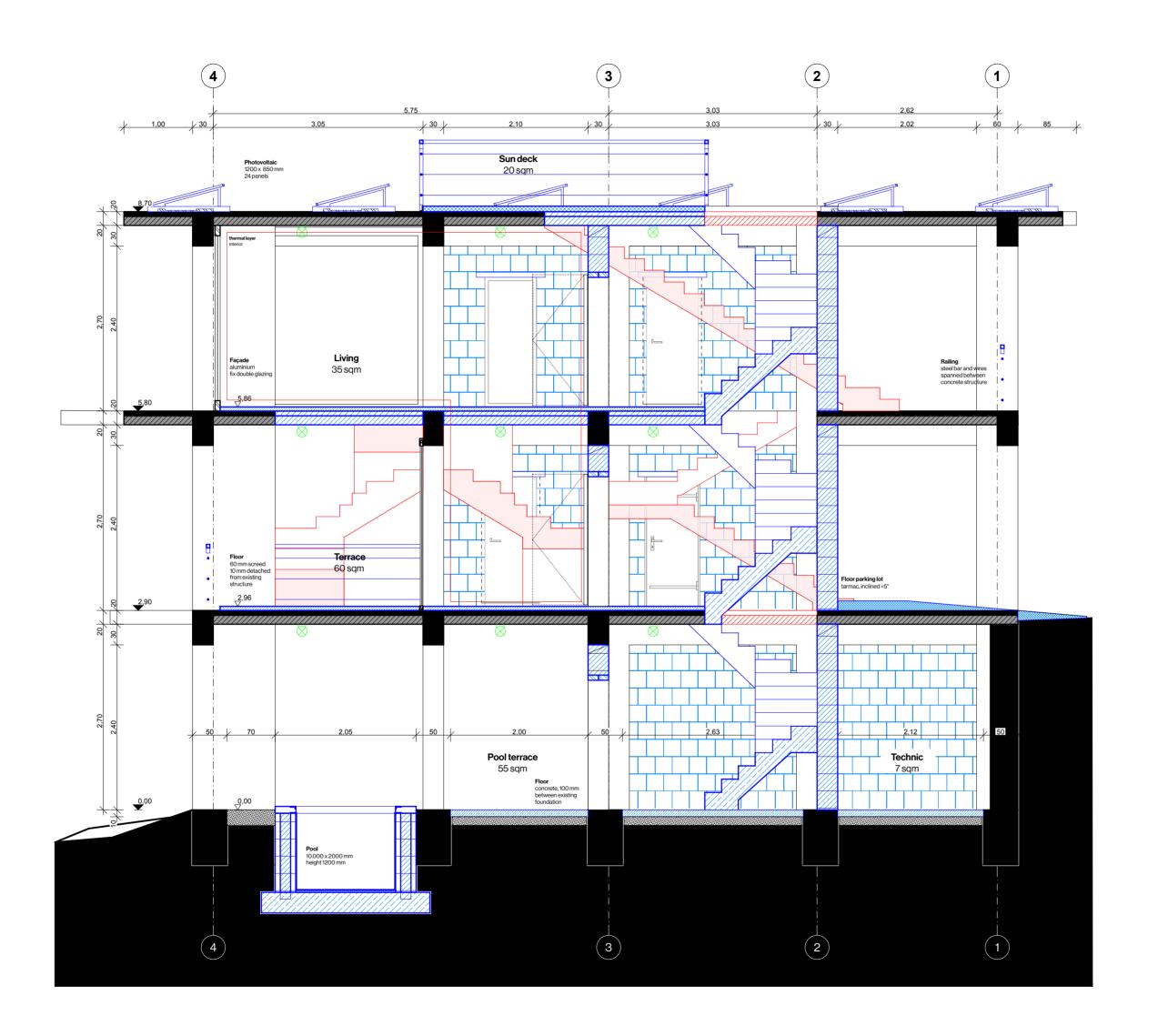
Please refer to the attached set of Details.

01 // Ruvo del Monte Transformation of an unfinished building

Plot: 40°51'06.1"/ N 15°32'26.4"E Markus Köhler, Explore Lab 39

P5 First Floor Scale 1:50

Plan-Nr.: A-2.1.2 Date: 24.06.2025





plan graphics symbols and abbreviations

unfinished building

Plot: 39°05'23.7" / N16°17'46.5"E

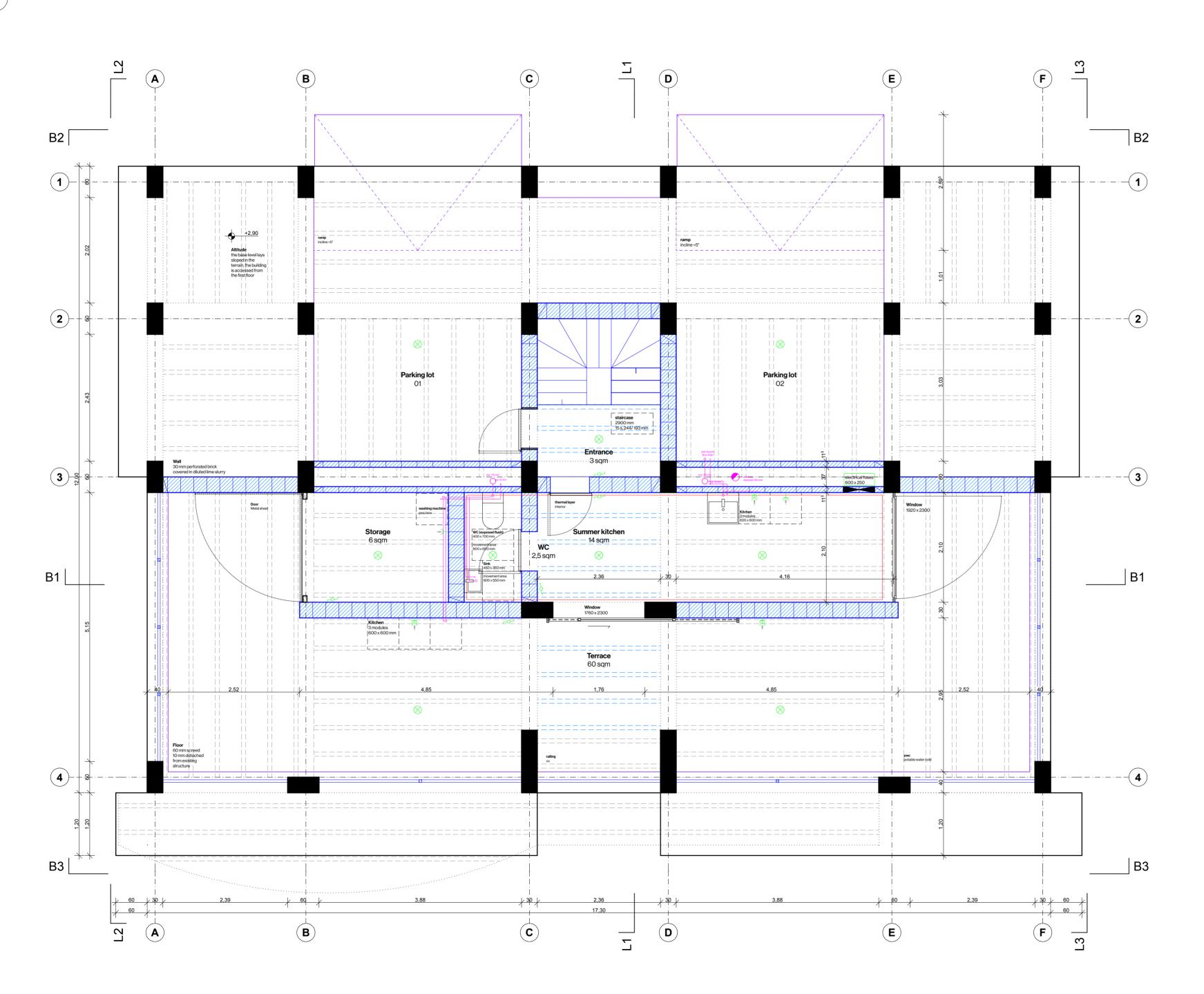
Markus Köhler, Explore Lab 39

02 // Motta Santa LuciaTransformation of an

P5 Section 1 Scale 1:50

Plan-Nr.: A-2.1.2 Date: 24.06.2025





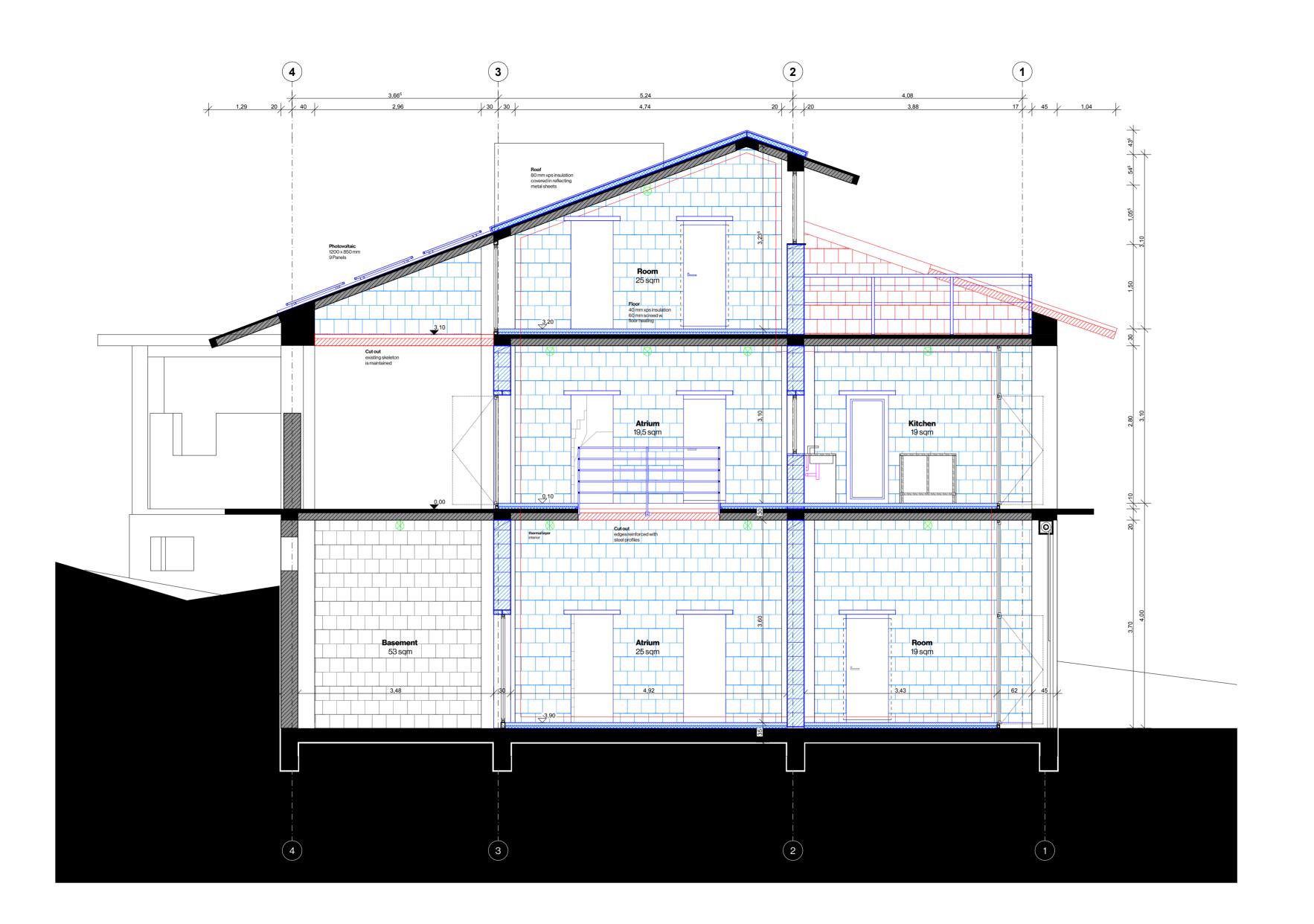
plan graphics symbols and abbreviations axis related to existing structure height marker raw surface height marker finished surface finishes ceiling, floor, walls electrical installation all lines to be installed exposed power outlet exposed, wall mounted power outlet height double power outlet exposed, wall mounted single switch exposed, wall mounted changeover switch exposed, wall mounted light source wall mounted light source ceiling mounted verteiler/ fusebox ceiling mounted **battery** lithium-ionen (pv-energy storage) water/ heating all lines to be installed exposed electric water heater Stiebel Eltron DHB-E LCD Disclaimer All plans show an intermediate stage of the executive planning. Dimensions to be verified with the existing structure on site. Please refer to the attached set of Details.

02 // Motta Santa Lucia Transformation of an unfinished building

Plot: 39°05'23.7" / N 16°17'46.5"E Markus Köhler, Explore Lab 39

P5 **Ground floor** Scale 1:50

Plan-Nr.: A-2.1.1 Date: 24.06.2025



---- axis related to existing structure height marker raw surface height marker finished surface altitude marker aperture in wall finishes ceiling, floor, walls electrical installation all lines to be installed exposed power outlet exposed, wall mounted power outlet height double power outlet exposed, wall mounted single switch exposed, wall mounted changeover switch exposed, wall mounted light source wall mounted light source ceiling mounted verteiler/fusebox ceiling mounted battery lithium-ionen (pv-energy storage) water/heating all lines to be installed exposed electric water heater Stiebel Eltron DHB-ELCD load bearing structure perforated brick aluminum profile installation fibre

plan graphics symbols and abbreviations

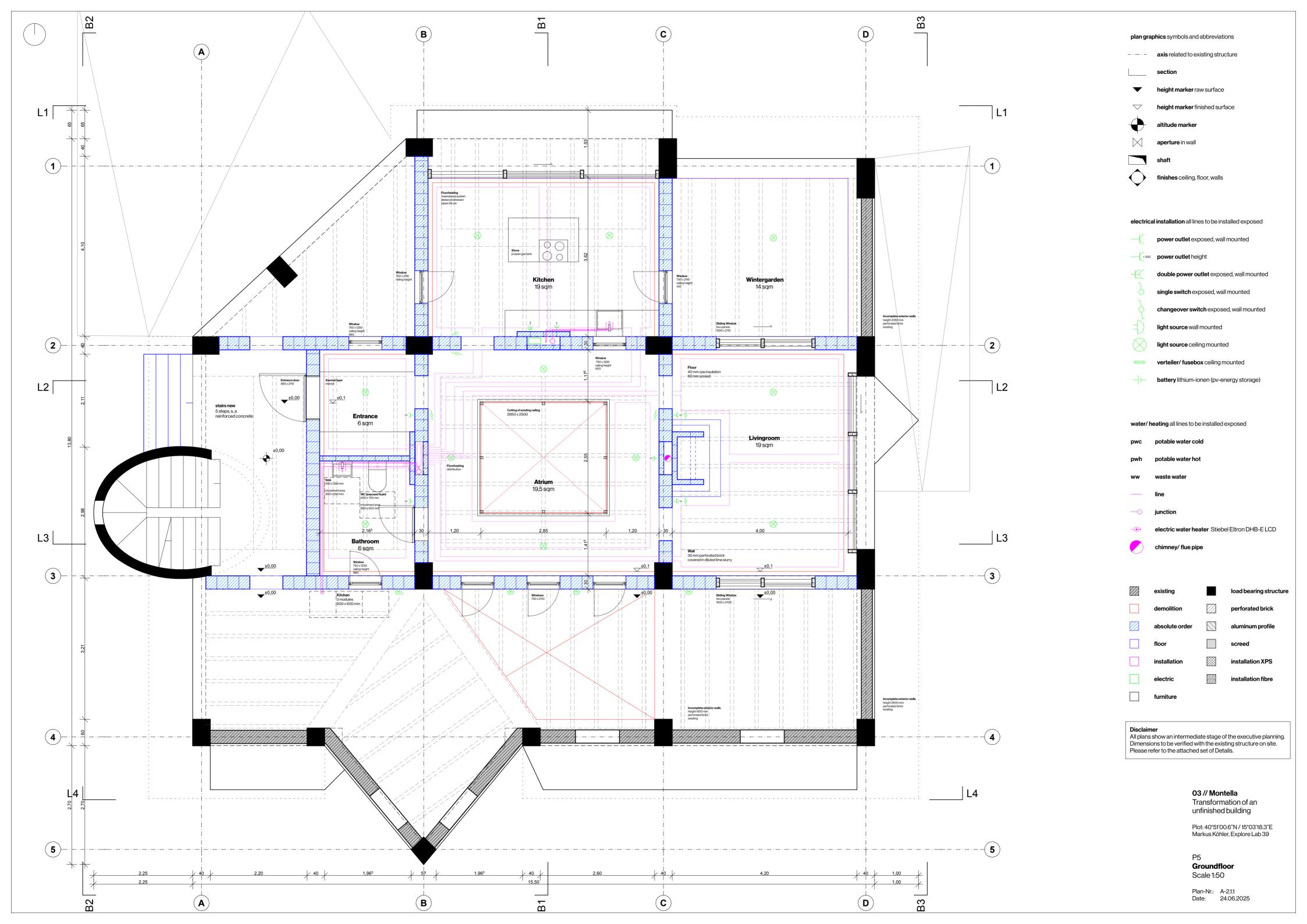
Disclaimer
All plans show an intermediate stage of the executive planning.
Dimensions to be verified with the existing structure on site.
Please refer to the attached set of Details.

03 // Montella Transformation of an unfinished building

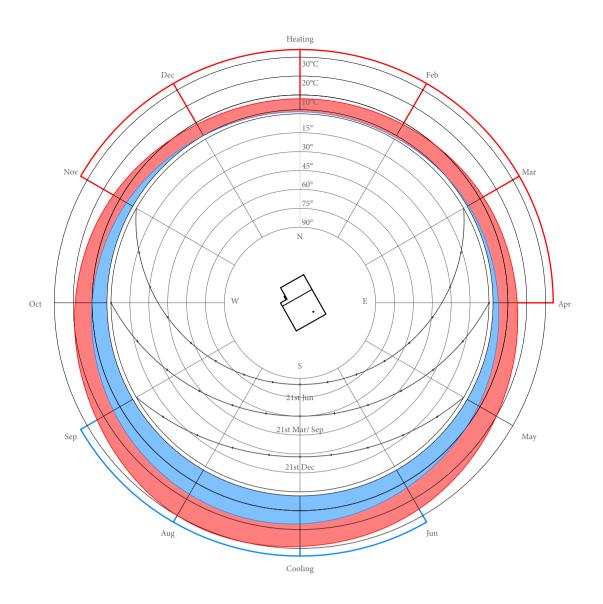
Plot: 40°51'00.6"N / 15°03'18.3"E Markus Köhler, Explore Lab 39

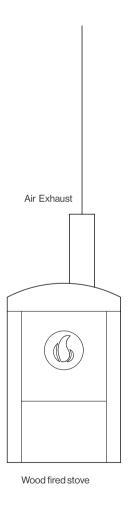
P5 Section 1 Scale 1:50

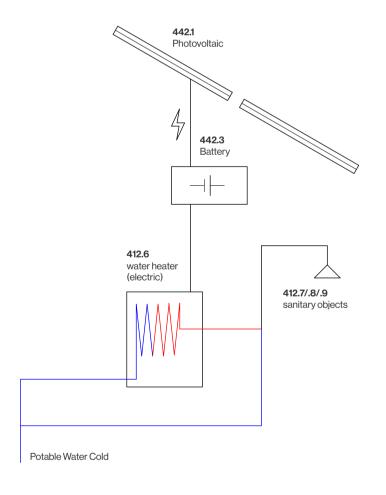
Plan-Nr.: A-2.1.2 Date: 24.06.2025



O1 low standard The Minimalist







Climate design

The climate in Ruvo del Monte is moderate and warm. Almost all year round temperatures stay above 0°C. In the hot and dry summer months temperatures rise up to 30°C in average, in winter temperatures stay between -3 - 8°C.

The building is oriented towards south-west, in summer the overhanging roof protects the living spaces against the high standing sun and provides shaded interior and exterior spaces.

The exposed thermal mass of the concrete structure buffers the temperatures from day to night. The open spaces allow for a life with nature, sheltered by the elements. The only enclosed space is a small chamber under the roof which can be cross ventilated.

Installation (for low standard)

Heating, water and energy supply

The wood stove is the centre of this design and can be manually regulated. Warm water is provided by an electric instant heater which is operated with PV power.

This minimal equipped house is designed for a radical simple way of life. The resident will face exposure to the local climate throughout the year but has possibilities to directly heat in a small zone around the stove.

Disclaimer

This is a proposed operation model in order to showcase different degrees of comfort that can be realized within the systematic approach. This model may be adapted to the specific desires of the client or/and differing conditions as found on site.

Latent Villas

unfinished architectures and their potentials Installation and climate design

Transformation of unfinished buildings Markus Köhler, Explore Lab 39

P5

Ruvo del Monte Climate Design

Plan-Nr.: A-2.6 Date: 24.06.2025

The Minimalist

** Missing Positions: Chimney, Electrical installations

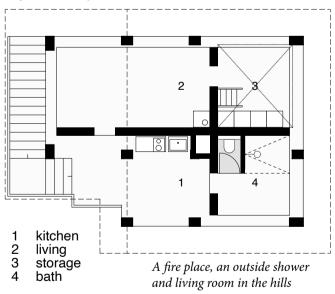
Cost estimation for low standard. Latent villa in Ruvo del Monte, Basilicata

Code DIN 276	Position	Measure	Product price in €	Per Unit	incl. constr. + profits in €		Description	Code in Prezzario	Amount	Unit	Materials Price in €	
800	Construction											
30	Walls											
332	Non structural walls											
332.1	Perforated brick	30 cm	33,65	m²	72,38	m²	Brick blocks, no load bearing function, incl. mortar, compressive strength > 5 N/mm ²	CAM25_E08.020.025.D	60	m	2.019	4.342
332.3	Stainless steel railing	4 mm (thickness)	17,4	m	30	m	estimation on base of material prices, 4 mm stainless steel AISI 316, 3.2 mm		23	m	400,2	6
334	Wall openings											
334.1	Window	Min. 1,5 m ² accountable	696,56	m²	952,75	m²	Single wing window frame, extruded aluminum, color white, hinged, double glazing, Rw = 36 dB, UW $\leq 1.30 \text{ W/m}^{2K}$	CAM25_E18.080.013.B	1,5		1.044,84	1.429,1
334.3	Room doors		180	рс	220	рс	Estimation on base of an offer by a German firm for hinged metal sheet, folded, non thermal		4	рс	720	8
335	Wall coverings											
345.1	Preparation				10,46	m²	Filling and smoothing of plasters with emulsion stucco, preparation for painting and covering	CAM25_E21.010.005.A	105	m²	0	1.098
345.2	Diluted Lime Slurry		0,16	m²	3,84	m²	Diluted lime painting, white, on walls, ceilings and vaults including priming with lime milk	CAM25_E21.020.010.A	105	m²	16,8	403
350	Ceilings											
153	Floor (above)											
353.2	Cement mortar screed	> 3 cm	3,74	m²	17,30	m²	Cement mortar screed with 400 kg of cement with a thickness of no less than 3 cm for laying flooring, laid well rammed and levelled	CAM25_E07.010.010.A	46	m²	172,04	795
354	Cladding (below)											
345.1	Preparation				10,46	m²	Filling and smoothing of plasters with emulsion stucco, preparation for painting and covering	CAM25_E21.010.005.A	80	m²	0	836
54.2	Diluted Lime Slurry		0,16	m²	3,84	m²	Diluted lime painting, white, on walls, ceilings and vaults including priming with lime milk	CAM25_E21.020.010.A	80	m²	12,8	30
60	Roof											
363	Roof coverings											
363.1	Insulation with foam panels	8 cm (thickness)	42,33	m²	61,74	m²	Thermal insulation of roofs with extruded polystyrene foam panels - Thickness 8 cm	CAM25_E10.020.020.C	8	m ²	338,64	493
400	Installation											
410	Gas/ Water Installation											
111	Waste Water											
111.1	PVC pipe	40 mm (diameter)	2,93	m	9,57	m	Rigid PVC piping, socket joints, including related special pieces	CAM25_I03.010.010.B	2	m	5,86	19,
11.2	Cast Iron pipe	75 mm (diameter)	38,79	m	62,95	m	Lightweight centrifugal cast iron pipe, for vertical and horizontal waste water discharge.	CAM25_I03.020.010.B	11	m	426,69	692
112	Fresh Water											
12.1	Polypropylene pipe	25 mm (diameter)	3,40	m	18,01	m	Polypropylene, for hot and cold sanitary water distribution, welded joints, thickness 4.2 mm	CAM25_C01.040.010.B	15	m	51	270
112.2	Water heater (cavity exchanger)	200 I	345,75	рс	510,81	рс	Water heater in galvanized steel, boiler, 6.0 bar, cavity exchagnger	CAM25_C08.010.010.C	1	рс	345,75	510,
	Sanitary objects											
112.7	Shower	80 x 80 cm	236,46	рс	362,25	рс	80x80 cm shower tray with single-lever mixer	CAM25_I01.020.015.H			0	
112.8	WC		162,61	рс	268,7	рс	White vitreous china porcelain seat toilet, with wall-mounted cistern, silent float, polyethylene, PVC pipe, push-button control plate	CAM25_I01.020.020.A	1	рс	162,61	26
12.9	Sink	65 x 48 cm	177,10	рс	300,32	рс	Rectangular column washbasin in white vitreous china porcelain complete with dispensing group, drain, fittings and filter	CAM25_I01.020.060.A	1	рс	177,1	300,
140	Energy						seems menings and men					
42	Power generation											
42.1	PV module	160 x 110 x 5 cm	328,77	рс	512,21	рс	photovoltaic module in monocrystalline silicon, peak power 245 W,	CAM25_L20.010.011.B	4	рс	1.315,08	2.048,
142.3	Battery	54 x 50 x 24 cm	1661	рс	1661	рс	Estimation on base of reference product: SolarEdge Home Battery 4,6 kWh		1	рс	1.661	1.6
	Distribution							Sum				
								aum				
	Disclaimer										4.70	
	* This is not a comple	te estimate but an	exemplary existing co	list of m	ain non-structu keleton, in relati	ral com	conents and technical installations, indicating a gional construction and material prices.	Construction Installation			4.724 4.145	11.2 5.7

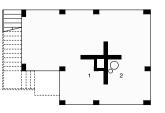


Unique hideaway available in Ruvo del Monte, Potenza

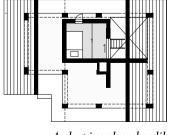
Life in harmony with nature...



Everything you need in reach and simple enough too be handled by yourself.



self-sufficient: water tanks, PV battery, storage



A sleeping chamber like a cave: cozy, warm and save.

A simple life...

... might be the highest good. If you ever feel sick of the fast moving world around you - this is for you.

A house tailored to your needs: A retreat, hideaway, and sanctuary, a place in tranquillity equipped with nothing more then the essentials. Simple and small yet spacious, with rooms limited only by the horizon.

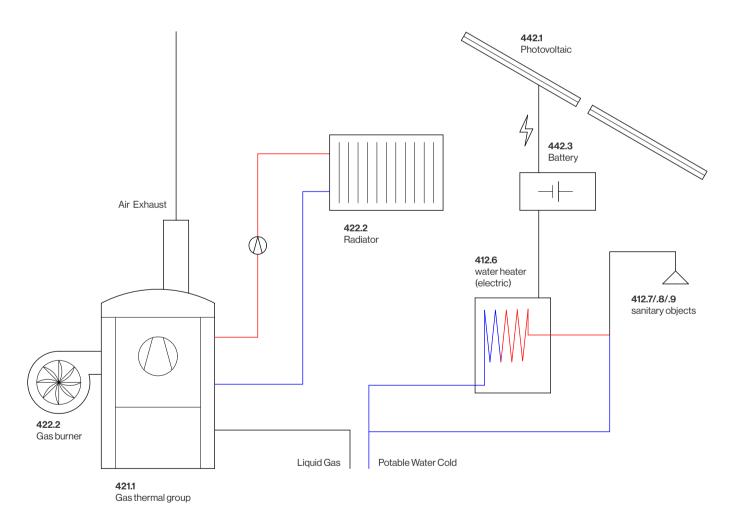
Here, your life is directed by nature and the seasons. Sustain your own life and find peace at the warming bonfire. Cherish the beauty of your land and the taste of the fruits it gifts! Move to Ruvo and discover yourself.

Special offer: price for self-builders only 8.900 € *

surface	115 m ²
interior	11 m^2
bedrooms	1
bathrooms	1
heating/ cooling Wood fired stove	
price*	17.000 €

^{*}excluding existing structure and taxes

Cooling



Climate design

The climate in Motta Santa Lucia is moderate and warm. All year round temperatures stay above 0°C. In the hot and dry summer months temperatures rise up to 30°C in average, in winter temperatures stay between 0 - 20°C.

The building is oriented towards south-west, in summer the horizontal slabs protect the living spaces against the high standing sun and provide shaded interior and exterior spaces. The exposed thermal mass of the concrete structure buffers the temperatures from day to night. The open design allows for cross ventilation throughout the building.

Installation (for medium standard)

Heating, water and energy supply

A compact gas thermal group is the central part of the technical concept. It is operated with liquid gas and used for heating with radiators. Warm water is provided by electric instant heaters which are operated with PV power.

This concept allows for a huge variety of individual thermal preferences. With different thermal groups and amount/positions of radiators this system can be easily adapted to changing demands in heating and water generation.

Disclaimer

This is a proposed operation model in order to showcase different degrees of comfort that can be realized within the systematic approach. This model may be adapted to the specific desires of the client or/and differing conditions as found on site.

Latent Villas

unfinished architectures and their potentials Installation and climate design

Transformation of unfinished buildings Markus Köhler, Explore Lab 39

P5

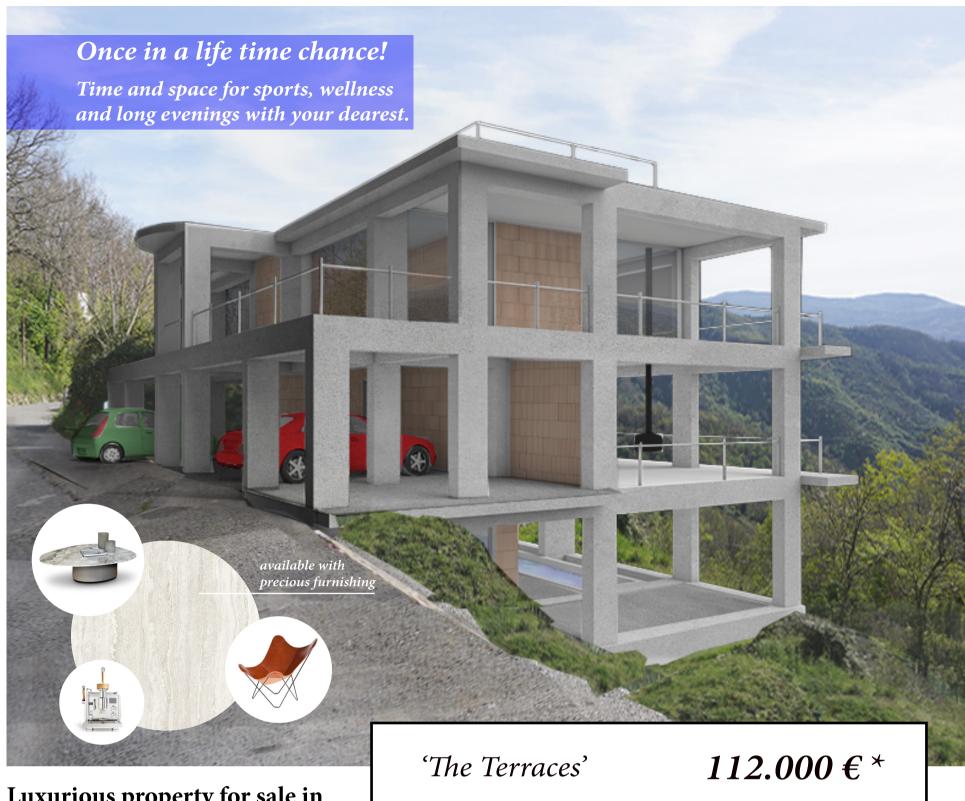
Motta Santa Lucia Climate Design

Plan-Nr.: A-2.7 Date: 24.06.2025

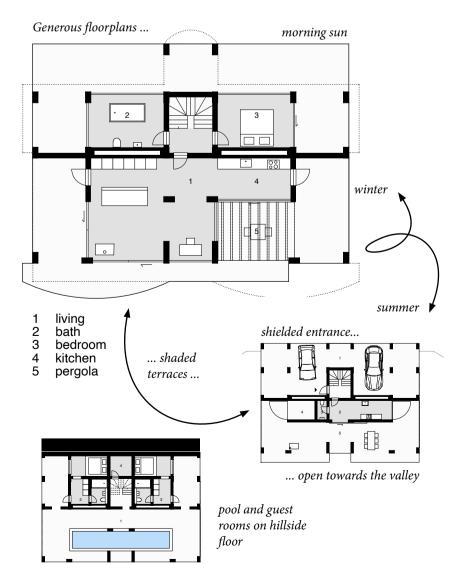
The Terraces

Cost estimation for medium standard. **Latent villa in Motta Santa Lucia, Calabria**

DIN 276	Position	Measure	Product price in €	Per Unit	incl. constr. + profits in €		Description	Code in Prezzario	Amount	Unit	Material Price in €	Total Price in
3 00 330	Construction Walls											
332	Non structural walls											
32.1	Perforated brick	30 cm	33,65	m²	72,38	m²	Brick blocks, no load bearing function, incl.	CAM25_E08.020.025.C	136	m ²	4.576,4	9.843,6
32.2	Perforated brick	11,5 - 13 cm	41,25	m ²	53,09	m ²	mortar, compressive strength > 5 N/mm ² Brick blocks, no load bearing function, incl.	CAM25_E08.020.025.B	145	m ²	5.981,25	7.698,
		11,0 = 10 0111	41,20		00,00		mortar, compressive strength > 5 N/mm²	0/11/120_E00.020.020.0	140		0.001,20	7.000,
32.3	Stainless steel railing	4 mm (thickness)	17,4	m	30	m	estimation on base of material prices, 4 mm stainless steel AISI 316, 3.2 mm		80	М	1.392	2.4
34	Wall openings											
34.1	Façade fixed	Min. 1,5 m ² accountable	367,9	m²	473,49	m²	Fixed frame window frame, extruded aluminum, color white, double glazing, RW = 36 dB,	CAM25_E18.080.011.A	45	m²	16.555,5	21.307,
							UW ≤ 2,60 W/m ^{2K}					
334.1'	Façade sliding element	Min. 1,5 m ² accountable	700,18	m ²	901,13	m ²	Iteration of 334.1: Tilt and slide - coplanar iteration	CAM25_E18.080.011.D	10	m ²	7.001,8	9.01
34.2	Entrance door	4,5 cm	411,71	m²	575,44	m²	External entrance door in pine wood, frames of	CAM25_E18.010.010	2	m ²	823,42	1.150,
		(thickness)					any span, safety lock with 3 or more turns, keys, bolt, knob and handle					
334.3	Room doors		180	рс	220	рс	Estimation on base of an offer by a German firm for hinged metal sheet, folded, non thermal		9	рс	1.620	1.9
35	Wall coverings											
35.1	Preparation				10,46	m²	Filling and smoothing of plasters with emulsion stucco, preparation for painting and covering	CAM25_E21.010.005.A	272		0	2.845
35.2	Diluted Lime Slurry		0,16	m ²	3,84	m ²	Diluted lime painting, white, on walls, ceilings and	CAM25_E21.020.010.A	272		43,52	1.044,
	·						vaults including priming with lime milk	<u> </u>				,
<mark>50</mark> 51	Ceilings Structural coilings											
51.1	Structural ceilings Ceiling	21 cm	72,16	m ²	92,87	m ²	Brick/concrete compound, bricks between ribs,	CAM25_E04.010.010.A	14	m ²	1.010,24	1.300,
	-		,				covered in reinforced concrete, > 5 cm				- ,	,
52 52.1	Ceiling openings Stairs		2500	DC	3000	DC	Estimation on base of material and working hour		9	рс	7.500	9.0
JE. 1	Stalls		2500	ρC	3000	ρυ	prices for stairs in reinforced concrete, poured and casted on site.		3	ρc	7.500	9.0
353	Floor (above)						and casted Off Site.					
353.1	Insulation with	5 cm	25,91	m²	40,61	m ²	Thermal insulation of inter-storey floors with	CAM25_E10.030.010.C	35	m ²	906,85	1.421,
	foam panels	(thickness)					extruded polystyrene foam panels, thermal conductivity < 0.033 W/mK, applied dry with point					
250.0	0	. 0	0.74	2	47.00	2	gluing	CAM25 E07.010.010.A	055	2	050.7	4.44
353.2	Cement mortar screed	> 3 cm	3,74	m²	17,30	m²	Cement mortar screed with 400 kg of cement with a thickness of no less than 3 cm for laying	CAM25_E07.010.010.A	255	m²	953,7	4.41
354	Cladding (below)						flooring, laid well rammed and levelled					
345.1	Preparation				10,46	m²	Filling and smoothing of plasters with emulsion	CAM25_E21.010.005.A	300	m ²	0	3.1
E4.0	Diluted Lines Church		0.16	m2	2.04	ma?	stucco, preparation for painting and covering	CAMOS F01 000 010 A	200	- ma2	40	
54.2	Diluted Lime Slurry		0,16	m²	3,84	m²	Diluted lime painting, white, on walls, ceilings and vaults including priming with lime milk	CAM25_E21.020.010.A	300	m²	48	1.1
860	Roof											
363 363.1	Roof coverings Insulation with	8 cm	42,33	m ²	61,74	m ²	Thermal insulation of roofs with extruded	CAM25_E10.020.020.C	25	m ²	1.481,55	2.16
	foam panels	(thickness)	42,00		01,74		polystyrene foam panels - Thickness 8 cm	GAIVI23_E10.020.020.0	00		1.401,00	2.10
400	Installation											
110	Gas/ Water Installation											
111	Waste Water											
111.1	PVC pipe	40 mm (diameter)	2,93	m	9,57	m	Rigid PVC piping, socket joints, including related special pieces	CAM25_I03.010.010.B	12	m	35,16	114,
111.2	Cast Iron pipe	75 mm	38,79	m	62,95	m	Lightweight centrifugal cast iron pipe, for vertical	CAM25_I03.020.010.B	20	m	775,8	1.2
112	Fresh Water	(diameter)					and horizontal waste water discharge.					
112.1	Polypropylene pipe	25 mm	3,40	m	18,01	m	Polypropylene, for hot and cold sanitary water	CAM25_C01.040.010.B	40	m	136	720
		(diameter)					distribution, welded joints, thickness 4.2 mm					
12.6	Water heater (electric)	80 I	164,76	рс	258,13	рс	Electric water heater, 80 I, 1,40 kW, 8.0 bar, installed exposedly	CAM25_C08.010.060.E	1	рс	164,76	258,
	Sanitary objects											
112.7	Shower	80 x 80 cm	236,46		362,25		80x80 cm shower tray with single-lever mixer	CAM25_I01.020.015.H		рс	709,38	1.086,
12.8	WC		162,61	рс	268,7	рс	White vitreous china porcelain seat toilet, with wall-mounted cistern, silent float, polyethylene,	CAM25_I01.020.020.A	4	pc	650,44	1.07
110.0	Cink	65 v 48 am	177 10		200.20		PVC pipe, push-button control plate	CAMOE 101 000 000 A		рс	709.4	1 001
112.9	Sink	65 x 48 cm	177,10	pc	300,32	pc	Rectangular column washbasin in white vitreous china porcelain complete with dispensing group, drain, fittings and filter	CAM25_I01.020.060.A	4	pc	708,4	1.201,
20	Heat						drain, intings and inter					
21	Heating System											
21.1	Gas thermal group	23,3 kW	1.337,36	рс	1.879,17	рс	Gas heating group for heating and hot water	CAM25_M01.010.040.A	1	рс	1.337,36	1.879,
							production, sealed circuit. Thermal power: heating 23.3kW; hot water 13 l/min					
22.2	Gas burner	1760 kW	3.023,13	рс	4.088,25	рс	Two-stage blown air gas burner for max power 1760kW	CAM25_M03.030.020.B	1	рс	3.023,13	4.088,
22.1	Copper pipe	14 mm	6,21	m	7,99	m	Pre-insulated copper pipe, tubular coating,	CAM25_C01.010.060.C	50	m	310,5	399
22.2	Radiator	(diameter)	15,98	pc	20,78	nc	welded fitting joints 14 mm, thickness 1.0 mm Radiators with aluminum elements, Maximum	CAM25_M07.010.030.B	4	рс	63,92	83,
	i iauialUi	< 500 mm (height)	15,98	μü	20,78	ρü	element height 500 mm	OAIVI23_IVIU7.UTU.U3U.B	4	ρc	03,92	83,
40	Energy											
42	Power generation PV module	160 x 110 x 5	328,77	DC.	512,21	DC	photovoltaic module in monocrystalline silicon,	CAM25_L20.010.011.B	0	рс	2.958,93	4.609
	. v module	cm	020,11	Po	312,21	po	photovoltaic module in monocrystalline silicon, peak power 245 W,	5/ WILO_LEO.UTU.UTT.D	9	PC	2.000,80	7.009
		108 x 50 x 24 cm	3330	рс	3330	рс	Estimation on base of reference product: SolarEdge Home Battery 9,2 kWh		1	рс	3.330	3.3
142.1 142.3	Battery						2 22					
142.1	Battery Extras											0.0
142.1			7500	рс	9000	pc	Excavation, concrete slab, drilled brick side walls, surface coating and compaction		1	pc	7.500	9.0
42.1	Extras		7500 2500		9000		Excavation, concrete slab, drilled brick side walls, surface coating and compaction Estimation on base of product references			рс	7.500 2.500	
42.1	Extras Pool						surface coating and compaction					
42.1	Extras Pool						surface coating and compaction	Sum				
42.1	Extras Pool Pool technic Disclaimer * This is not a comp		2500 exemplary	pc list of m	3000	pc ral com	surface coating and compaction	Sum Construction Installation				9.0 3.0 79.8 32.1



Luxurious property for sale in Motta Santa Lucia, Catanzaro



Life is good...

... when you're at the pool. Spend your days outside, an enjoy the conveniences of a luxurious house that adapts to the seasons.

In winter life takes place in a comfortable bungalow, while it extends to the two lower floors in summer. With generous terraces, a pool area and 2 guest rooms the house offers plenty place for the whole family to come over.

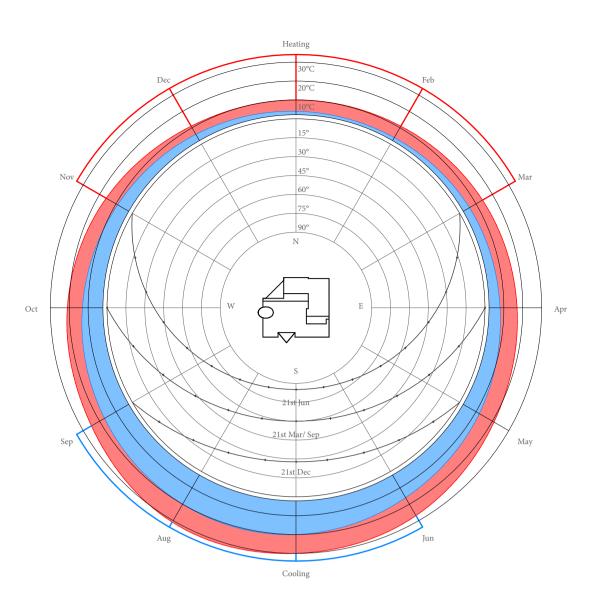
Concepted as a villa in the hills each of the three levels offers an unique experience of the landscape and builds up a realm of privacy. The raw materials underline this aesthetics and allow for an irresistibly low price.

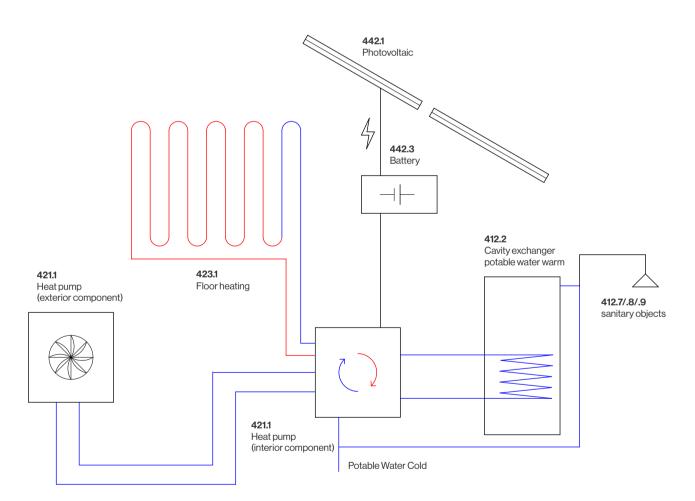
Fit to your dreams: equipped with luxury furnishing on request

	570 2
surface	570 m^2
interior	160 m^2
bedrooms	3
bathrooms	4
technical equipas heating, ra	_

^{*}excluding existing structure and taxes

03 high standard The Magnolia





Climate design

The climate in Montella is moderate and warm. All year round temperatures stay above 0°C. In the hot and dry summer months temperatures rise up to 32°C in average, in winter temperatures stay between 0 - 15°C.

The building is oriented on a north-south axis, in summer the overhanging roof protects the living spaces against the high standing sun and provides shaded interior and exterior spaces. The exposed thermal mass of the concrete structure buffers the temperatures from day to night. The open design and big window surfaces allow for cross ventilation throughout the building.

Installation (for high standard)

Heating/cooling, water and energy supply

An air heat pump is the central part of this technical concept. It is operated with PV power and used for warm water generation and floor heating/cooling.

This concept allows for maximal regulation of the interior temperatures throughout the year and meets highest demands in thermal comfort.

Disclaime

This is a proposed operation model in order to showcase different degrees of comfort that can be realized within the systematic approach. This model may be adapted to the specific desires of the client or/and differing conditions as found on site.

Latent Villas

unfinished architectures and their potentials Installation and climate design

Transformation of unfinished buildings Markus Köhler, Explore Lab 39

P5

Montella Climate Design

Plan-Nr.: A-2.8 Date: 24.06.2025

The Magnolia

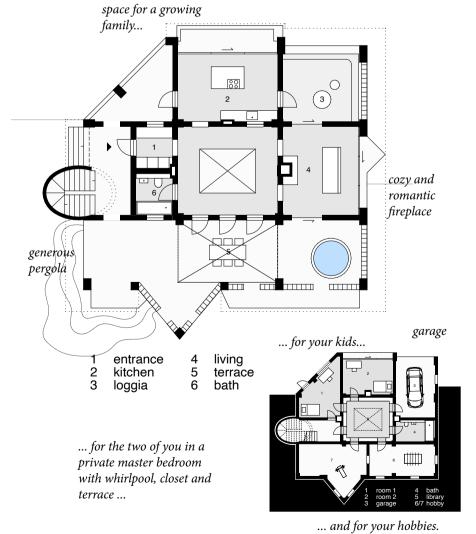
Cost estimation for high standard. Latent villa in Montella, Campania

Code DIN 276	Position	Measure	Product price in €	Per Unit	Incl. constr. + profits in €		Description	Code in Prezzario	Amount	Unit	Material Price in €	Total Price in €
300	Construction											
330	Walls											
332 332.1	Non structural walls Perforated brick	30 cm	61,98	m ²	79,77	m ²	Brick blocks, no load bearing function, incl.	CAM25_E08.020.025.D	310	m ²	19.213,8	24.728,7
332.3	Stainless steel	4 mm	17,4			m	mortar, compressive strength > 5 N/mm ² estimation on base of material prices,			m	1.009,2	1.740
	railing	(thickness)	17,4			""	4 mm stainless steel AISI 316, 3.2 mm		00		1.000,2	1.740
334	Wall openings	Min. 4 5 2	367.9	2	470.40	2		CAMOS 510 000 011 A	10	2	F 000 4	7 575 04
334.1	Façade fixed	Min. 1,5 m ² accountable	367,9	m²	473,49	m²	Fixed frame window frame, extruded aluminum, color white, double glazing, RW = 36 dB, $UW \leq 2,60 \; W/m^{2K}$	CAM25_E18.080.011.A	16	m ²	5.886,4	7.575,84
334.1'	Façade sliding element	Min. 1,5 m ² accountable	700,18	m²	901,13	m²	Iteration of 334.1: Tilt and slide - coplanar iteration	CAM25_E18.080.011.D	18	m²	12.603,24	16.220,34
334.2	Window	Min. 1,5 m ² accountable	696,56	m²	952,75	m²	Single wing window frame, extruded aluminum, color white, hinged, double glazing, Rw = 36 dB, UW ≤ 1.30 W/m²K	CAM25_E18.080.013.B	28	m²	19.503,68	26.677
334.2'	Sliding door	Min. 1,5 m ² accountable	1.054,86	m²	1.417,95	m²	Iteration of 334.2: Lift-and-slide window frame with 2 wings	CAM25_E18.080.013.E	6	m ²	6.329,16	8.507,7
334.3	Entrance door	4,5 cm (thickness)	411,71	m²	575,44	m²	External entrance door in pine wood, frames of any span, safety lock with 3 or more turns, keys, bolt, knob and handle	CAM25_E18.010.010	2	m ²	823,42	1.150,88
334.4	Room doors		180	рс	220,00	рс	Estimation on base of an offer by a German firm for hinged metal sheet, folded, non thermal		9	рс	1.620	1.980
335	Wall coverings											
335.1	Preparation				10,46	m²	Filling and smoothing of plasters with emulsion stucco, preparation for painting and covering	CAM25_E21.010.005.A	790		0	8.263,4
335.2	Diluted Lime Slurry		0,16	m²	3,84	m²	Diluted lime painting, white, on walls, ceilings and vaults including priming with lime milk	CAM25_E21.020.010.A	790		126,4	3.033,6
350	Ceilings											
353 353.2	Floor (above) Cement mortar screed	> 3 cm	3,74	m²	17,30	m²	Cement mortar screed with 400 kg of cement with a thickness of no less than 3 cm for laying flooring, laid well rammed and levelled	CAM25_E07.010.010.A	215		804,1	3.719,5
354	Cladding (below)						illooning, laid well familied and levelled					
345.1	Preparation				10,46	m²	Filling and smoothing of plasters with emulsion stucco, preparation for painting and covering	CAM25_E21.010.005.A	630		0	6.589,8
354.2	Diluted Lime Slurry		0,16	m²	3,84	m²	Diluted lime painting, white, on walls, ceilings and vaults including priming with lime milk	CAM25_E21.020.010.A	630		100,8	2.419,2
360	Roof											
363	Roof coverings											
363.1	Insulation with foam panels	8 cm (thickness)	42,33	m ²	61,74	m²	Thermal insulation of roofs with extruded polystyrene foam panels - Thickness 8 cm	CAM25_E10.020.020.C	33	m ²	1.396,89	2.037,42
400 410	Installation Gas/ Water Installation											
411	Waste Water											
411.1	PVC pipe	40 mm (diameter)	2,93	m	9,57	m	Rigid PVC piping, socket joints, including related special pieces	CAM25_I03.010.010.B	11	m	32,23	105,27
111.2	Cast Iron pipe	75 mm (diameter)	38,79	m	62,95	m	Lightweight centrifugal cast iron pipe, for vertical and horizontal waste water discharge.	CAM25_I03.020.010.B	20	m	775,8	1.259
112	Fresh Water											
112.1	Polypropylene pipe	25 mm (diameter)	3,40	m	18,01	m	Polypropylene, for hot and cold sanitary water distribution, welded joints, thickness 4.2 mm	CAM25_C01.040.010.B	42	m	142,8	756,42
112.2	Water heater (cavity exchanger)	200 I	345,75	рс	510,81	рс	Water heater in galvanized steel, boiler, 6.0 bar, cavity exchagnger	CAM25_C08.010.010.C	1	рс	345,75	510,81
	Sanitary objects											
412.7	Shower	80 x 80 cm	236,46	рс	362,25	рс	80x80 cm shower tray with single-lever mixer	CAM25_I01.020.015.H	3	рс	709,38	1.086,75
112.8	WC		162,61	рс	268,7	рс	White vitreous china porcelain seat toilet, with wall-mounted cistern, silent float, polyethylene, PVC pipe, push-button control plate	CAM25_I01.020.020.A	3	рс	487,83	806,1
412.9	Sink	65 x 48 cm	177,10	рс	300,32	рс	Rectangular column washbasin in white vitreous china porcelain complete with dispensing group, drain, fittings and filter	CAM25_I01.020.060.A	3	рс	531,3	900,96
120	Heat											
121	Heating System											
121.1	Heatpump (air)	14,2 kW	2.566,46	рс	3.468,05	рс	External condensing unit with variable refrigerant volume (flow) R410A with air-cooled heat pump	CAM25_M12.020.010.A	1	рс	2.566,46	3.468,05
123	Surface Heating											
23.1	Floor heating	15 mm (diameter)	3,53	m	10,23	m	High Density Cross-Linked Polyethylene Pipe for Lines - Diameter 15mm, Thickness 2.5mm, excluding inside technical rooms and bathrooms	CAM25_C01.060.010.B	968	m	3.417,04	9.902,64
140	Energy											
42	Power generation											
142.1	PV module	160 x 110 x 5 cm	328,77	рс	512,21		photovoltaic module in monocrystalline silicon, peak power 245 W,	CAM25_L20.010.011.B	12	рс	3.945,24	6.146,52
142.3	Battery	162 x 50 x 24 cm	4295	рс	4295	рс	Estimation on base of reference product: SolarEdge Home Battery 13,8 kWh		1	рс	4.295	4.295
	Disclaimer							Sum				
	* This is not a complete						conents and technical installations, indicating a	Construction			69.417	114.643
	price range for the tran	sformation of an	existing cor	ncrete	skeleton, in relation	on to re	gional construction and material prices.	Installation			17.249	29.238
	The list is based on the using its order for cost			of the	Campania regior	and st	ructured according to the German DIN 276,					
	** Missing Positions: C	•		ıs				Total			86.666	143.88

^{**} Missing Positions: Chimney, Electrical installations



Spatious, 3 storey family villa for sale in Montella, Avellino



Fantastic, open, free:

A house for the whole family, with space to grow together and a layout that also allows for privacy in two. Work, play, relax and create - on three consecutive levels the house offers more than enough space and stays open to the changing needs of a young family.

'The Magnolia' makes the beautiful surrounding part of the house and allows for a life in harmony with nature.

Feel this freedom! As a breeze blowing through your hair, the warm afternoon sun

on your skin or the taste of a good glas of wine on your lips. Enjoy the pleasure of south Italian dolce vita throughout the year! This is your new home - Magnolia.

surface	560 m ²
interior	215 m^2
bedrooms	3
bathrooms	3
heating/ cooling heat pump, PV, f	loor heating
price*	144.000 €

^{*}excluding existing structure and taxes