



# mudança cognitiva

EXPERIENCE THE  
OVERVIEW EFFECT

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PORTFOLIO  
PRESENTATION

## MUDANÇA COGNITIVA

when you're finally up at the moon looking back on earth (...) you're going to get a concept that maybe this really is one world and why the hell can't we learn to live together like decent people.

- frank borman

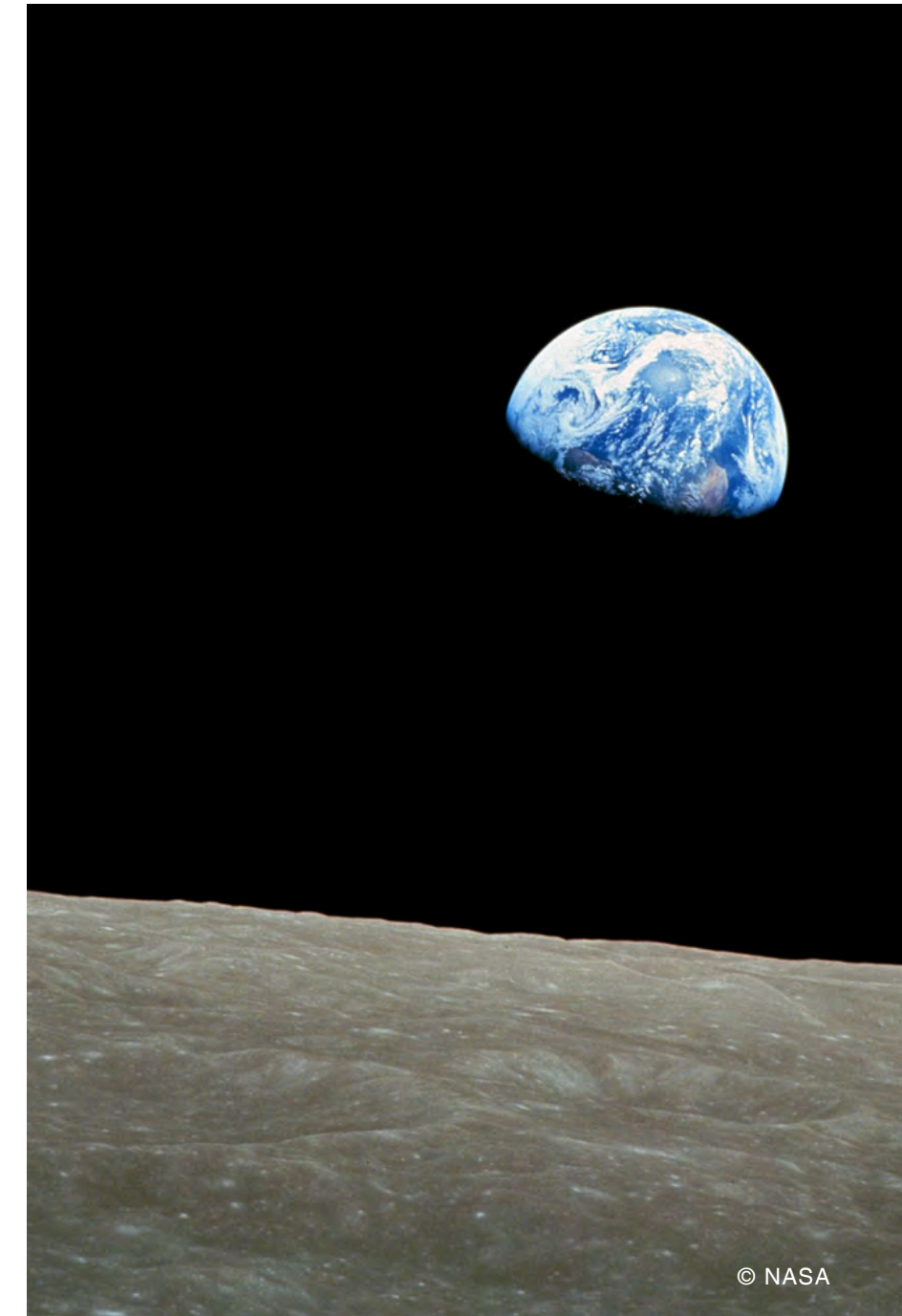


2024/25

# experience the overview-effect



imagine seeing the earth from space, small and fragile, surrounded by the vastness of the cosmos. this image has a profound effect - the overview effect. astronauts speak of a sudden realization: boundaries fade, humanity appears as one, and the desire to protect our planet grows. it is a moment of inner peace. our interactive design, invites you to experience this effect for yourself.





## 1. concept

this chapter presents our idea, concept, and ground plan.

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## 2. technical details

this chapter consists of the floor plan with the dimensions and the structure of the various floors.

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## 3. construction

In this section, the most important technical elements such as the building are presented.

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## 4. planting plan

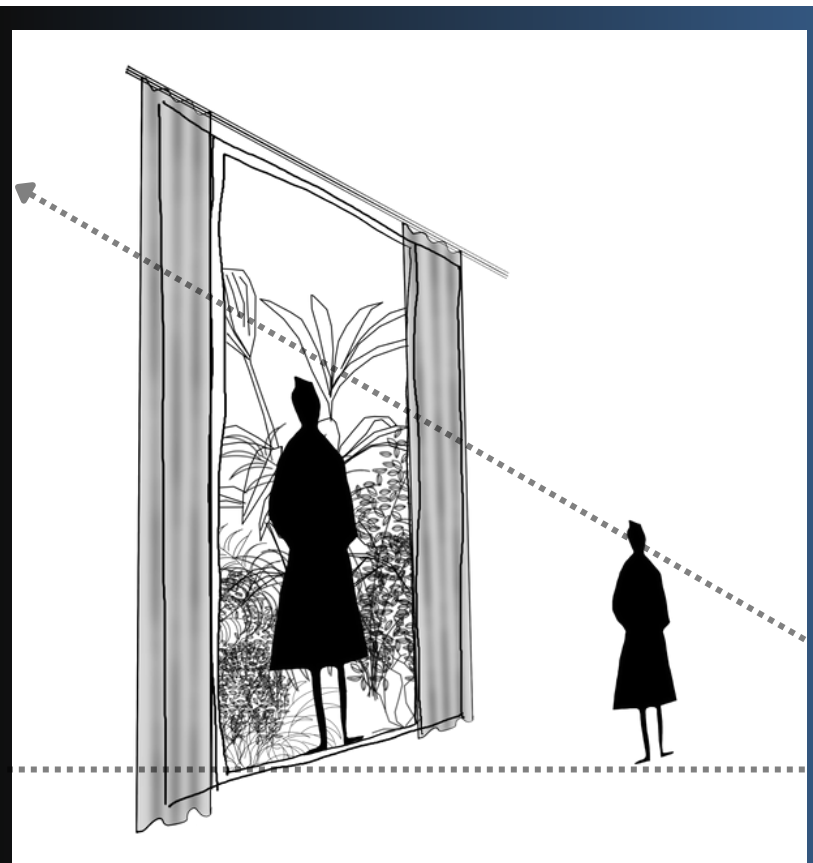
the fourth chapter shows the planting plan, and the price list of the plants.

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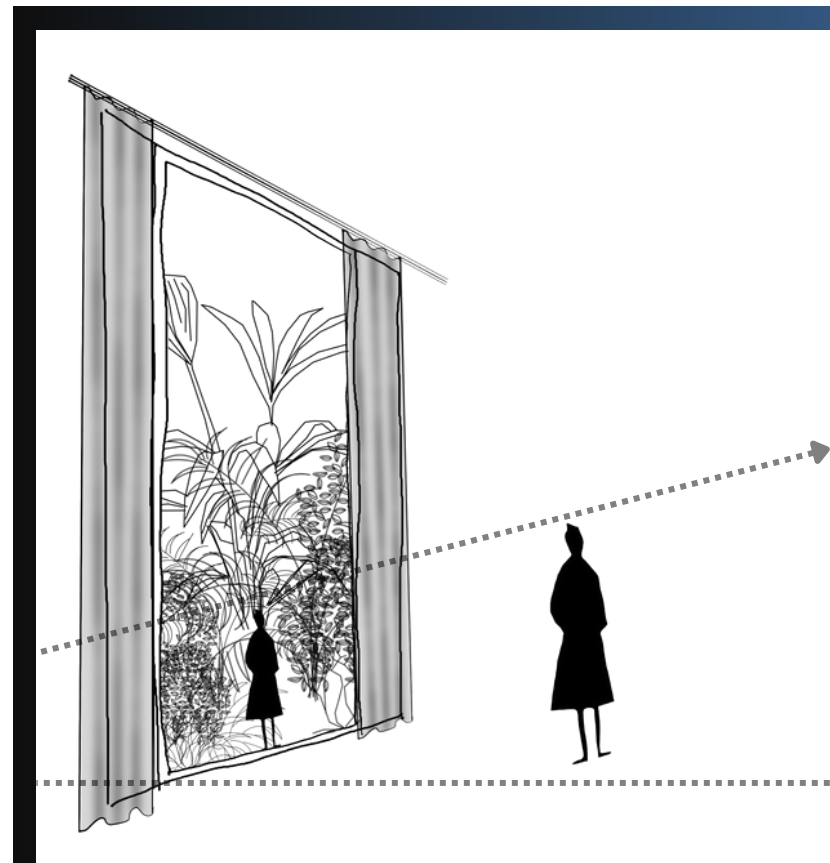
## 5. calculation

this section presents cost estimates with prices based on austrian market standards.

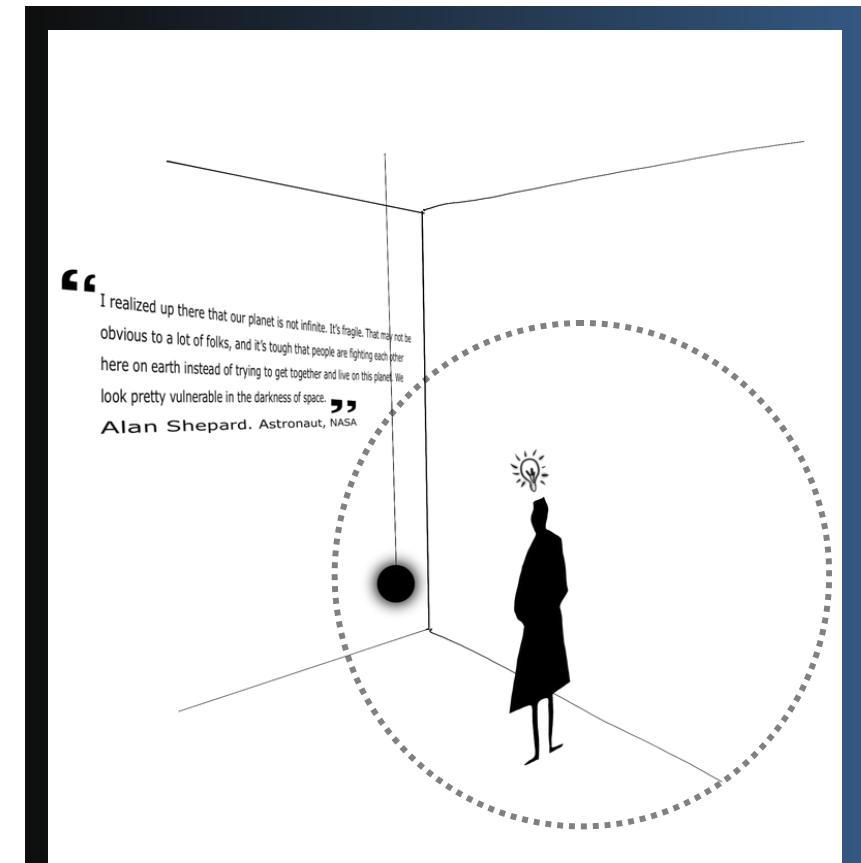
# 1.1 concept



**1. the enlargement - expanding self-perception:**  
as you encounter the first mirror, you see yourself magnified, occupying more space. this represents how we often place ourselves at the center of our world, emphasizing our own significance.



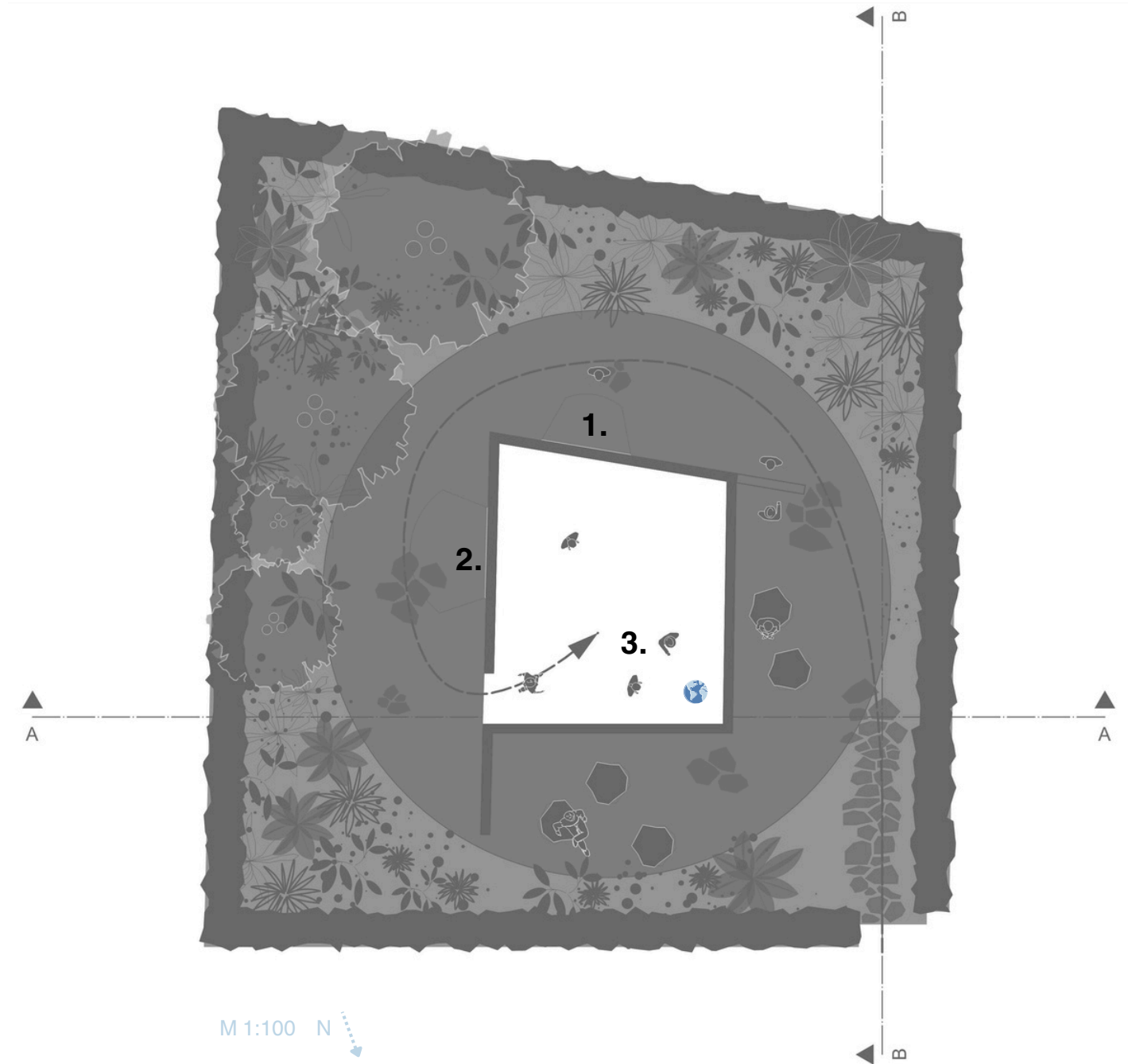
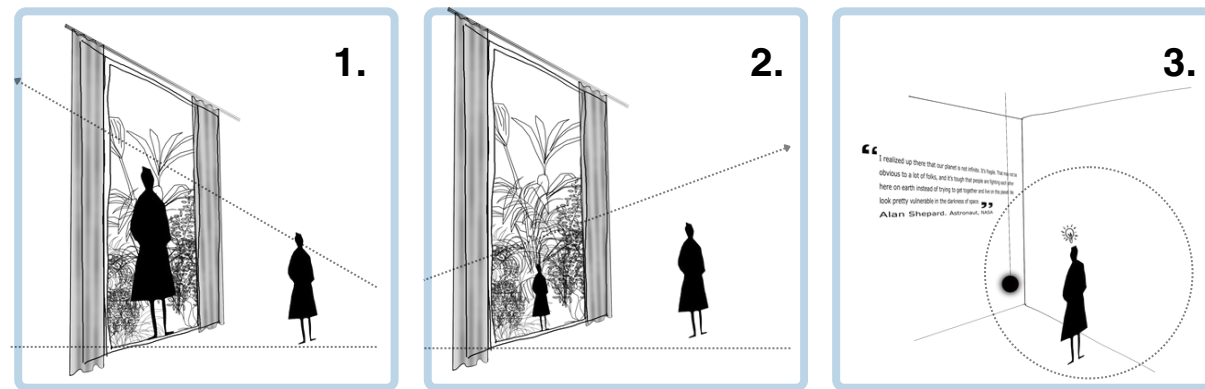
**2. the reduction - understanding scale in nature:**  
moving into the next area, surrounded by vibrant greenery, you now see yourself reduced in size. here, you begin to understand how small we are in comparison to the vast ecosystems around us.



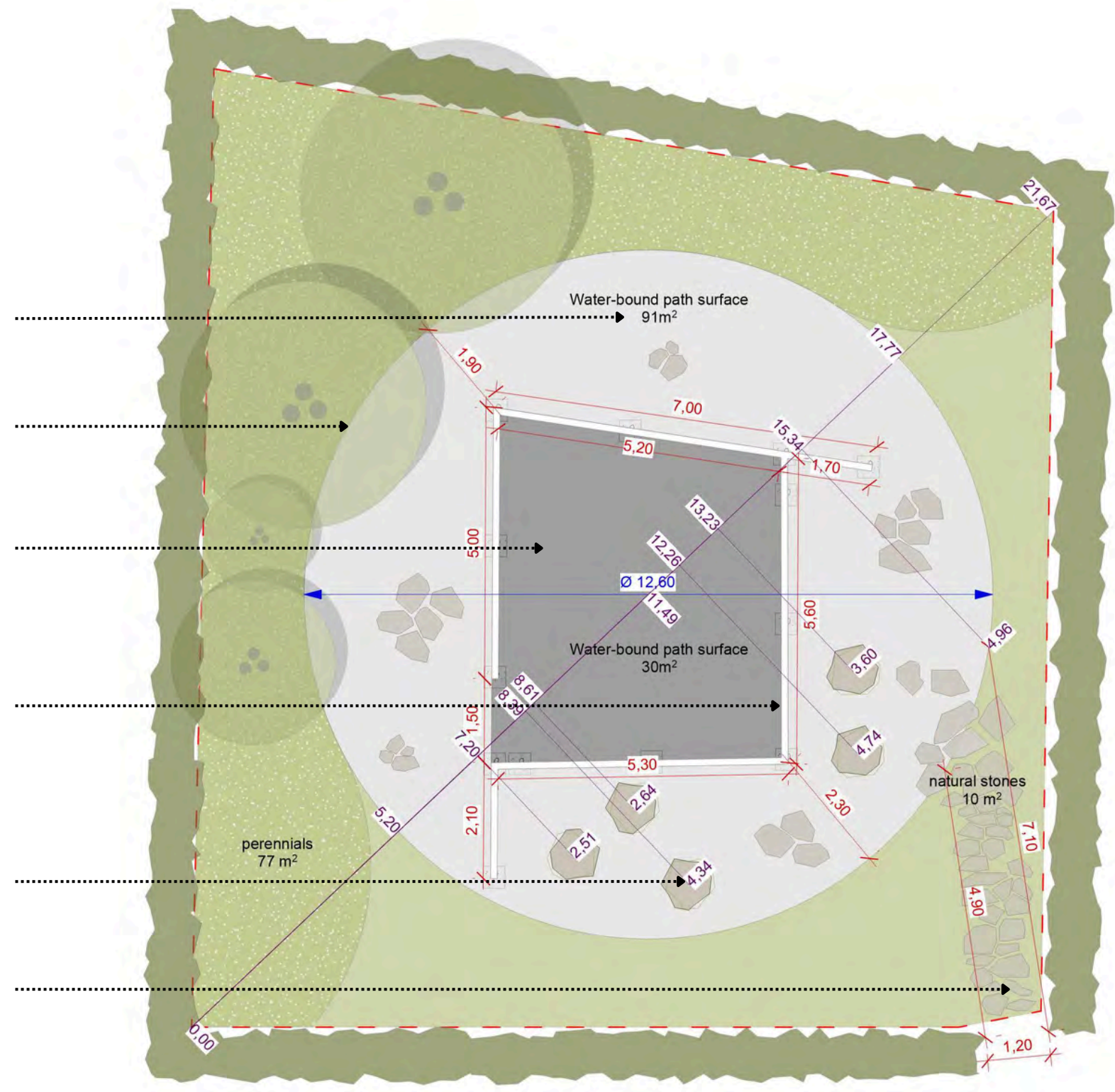
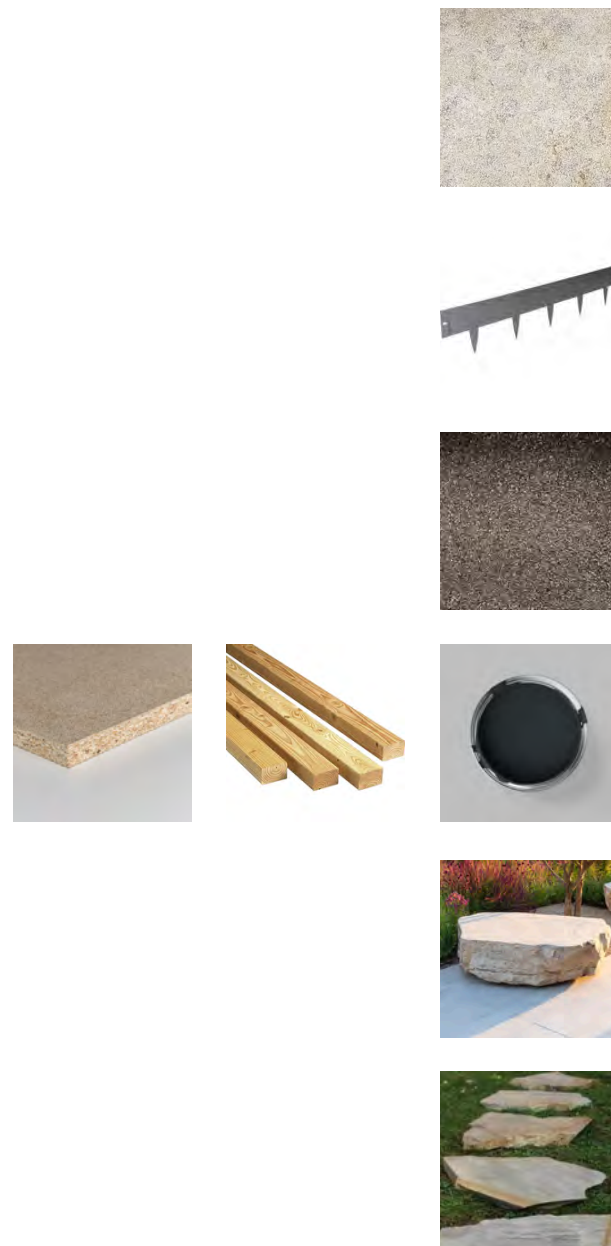
“ I realized up there that our planet is not infinite. It's fragile. That may not be obvious to a lot of folks, and it's tough that people are fighting each other here on earth instead of trying to get together and live on this planet. We look pretty vulnerable in the darkness of space. ”  
Alan Shepard. Astronaut, NASA

**3. the view of the earth - realizing fragility & unity:**  
in the final room, you are faced with a floating, tiny earth in a dark space. this moment creates a powerful sense of connection, reminding us of the planet's fragility and the unity of all life on earth.

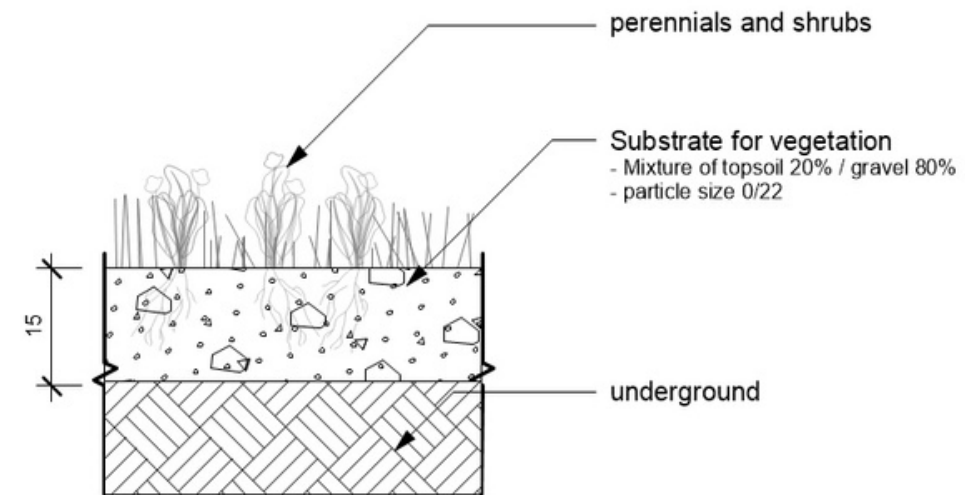
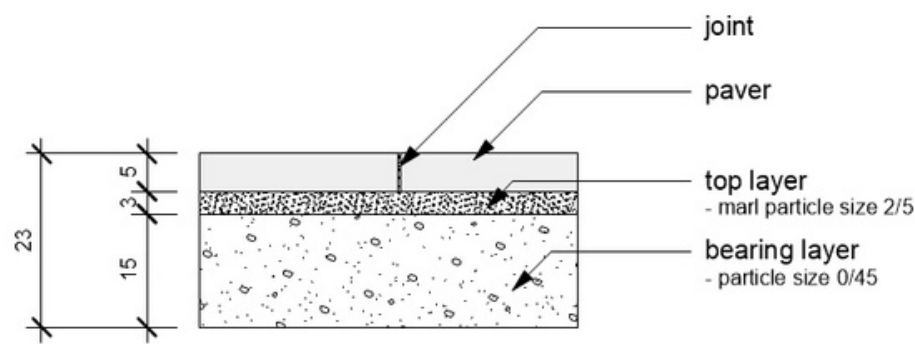
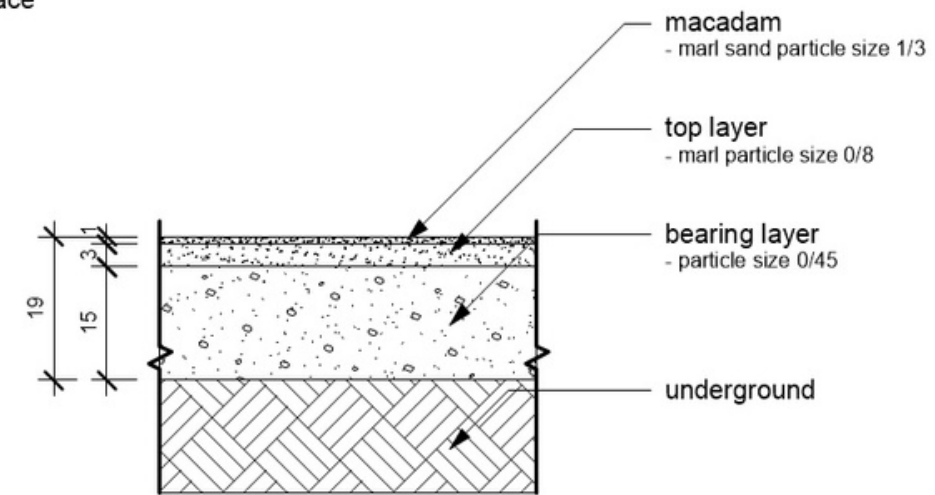
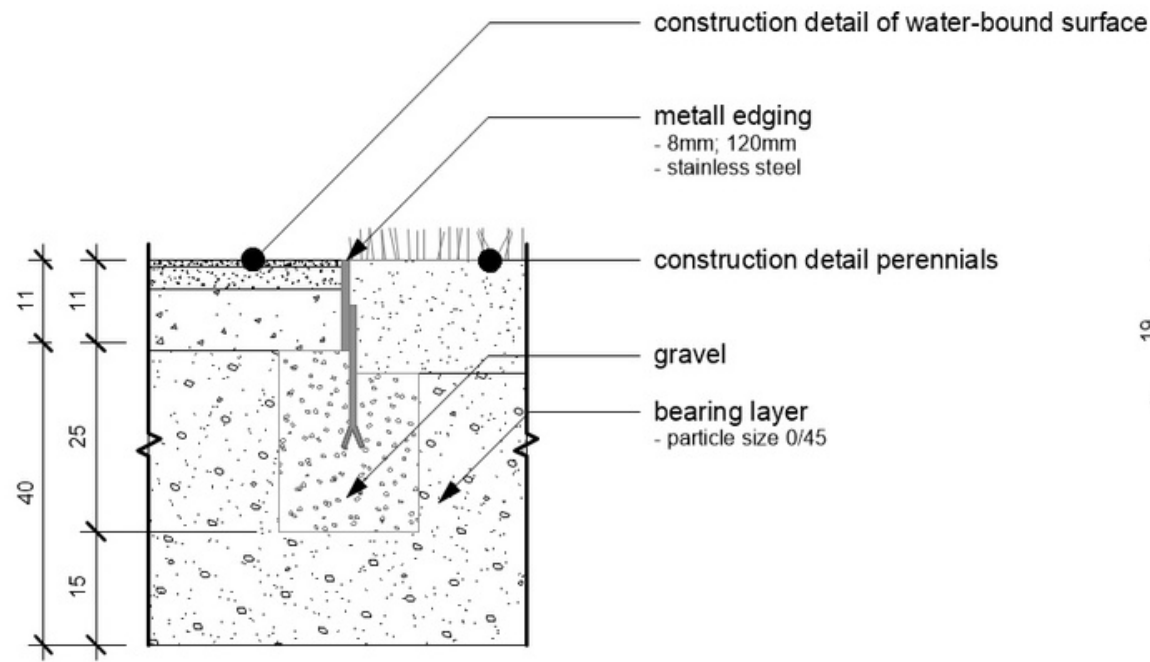
# 1.2 ground plan



# 2.1 construction plan

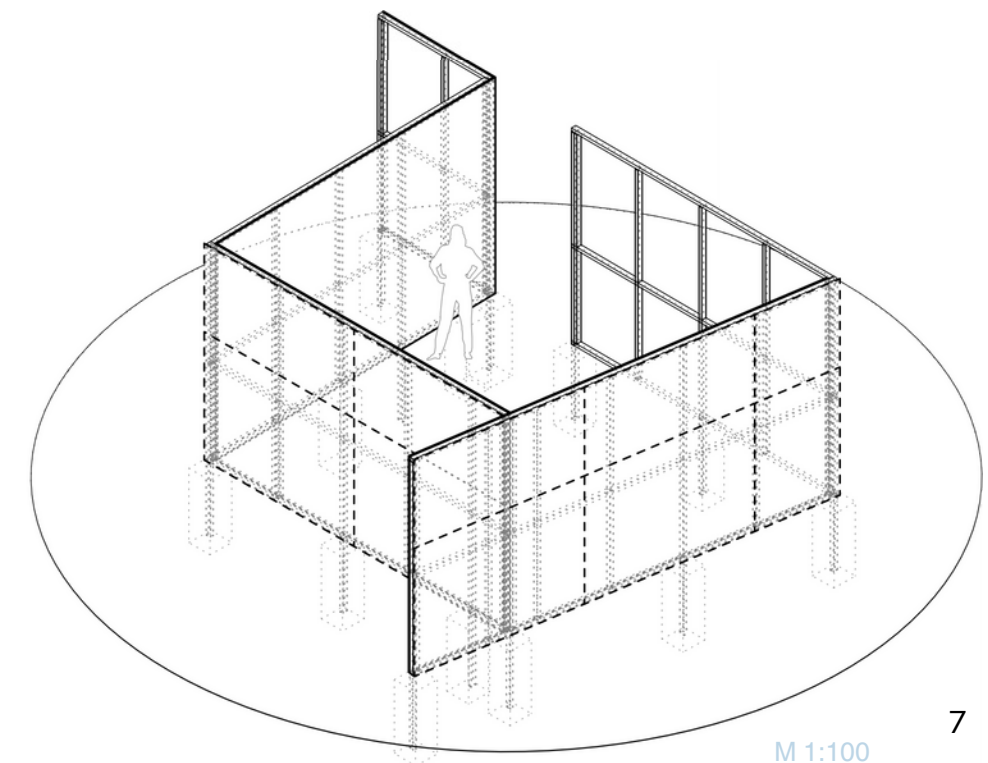
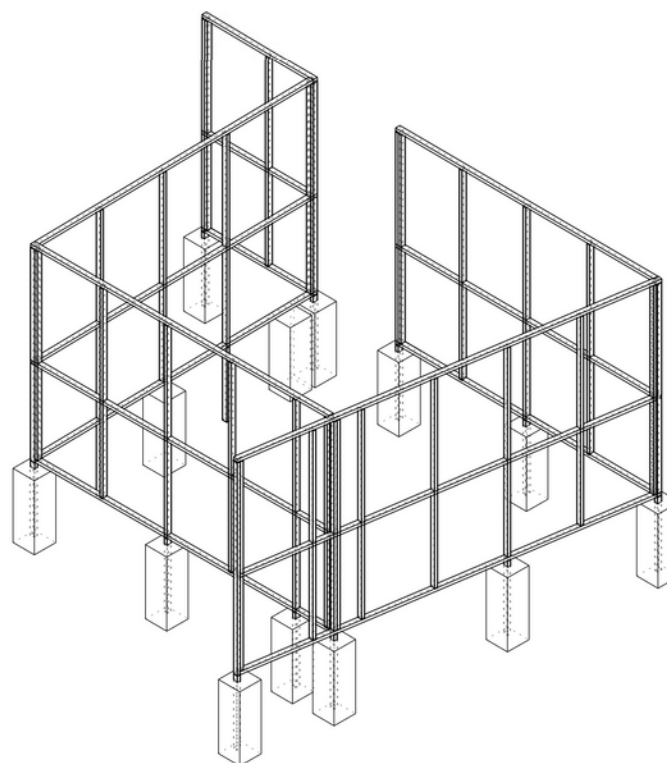
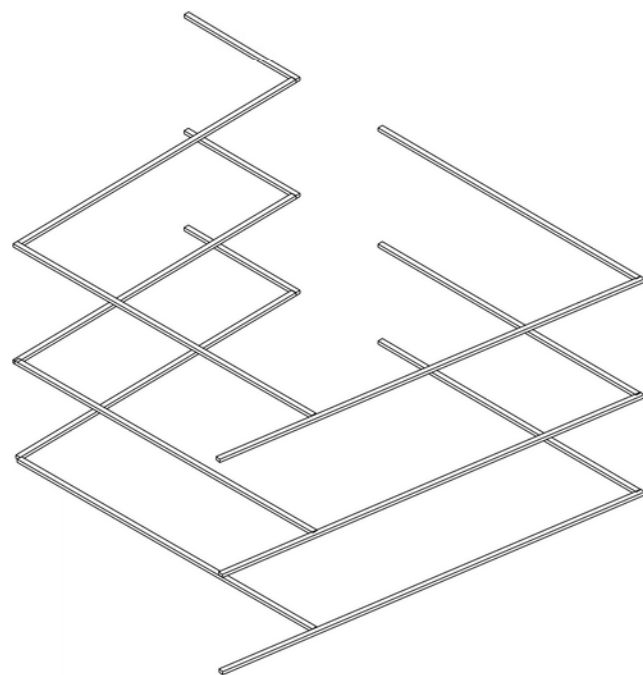
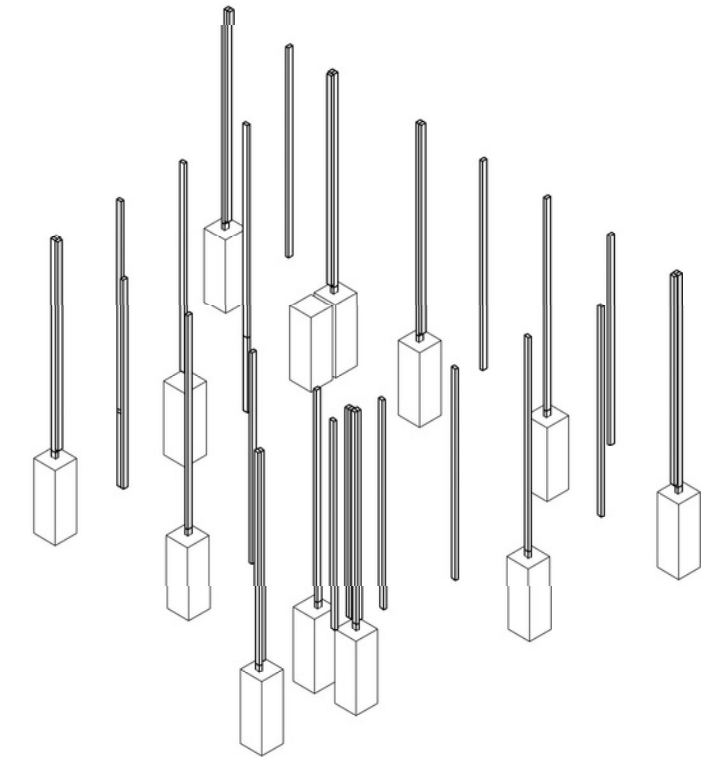
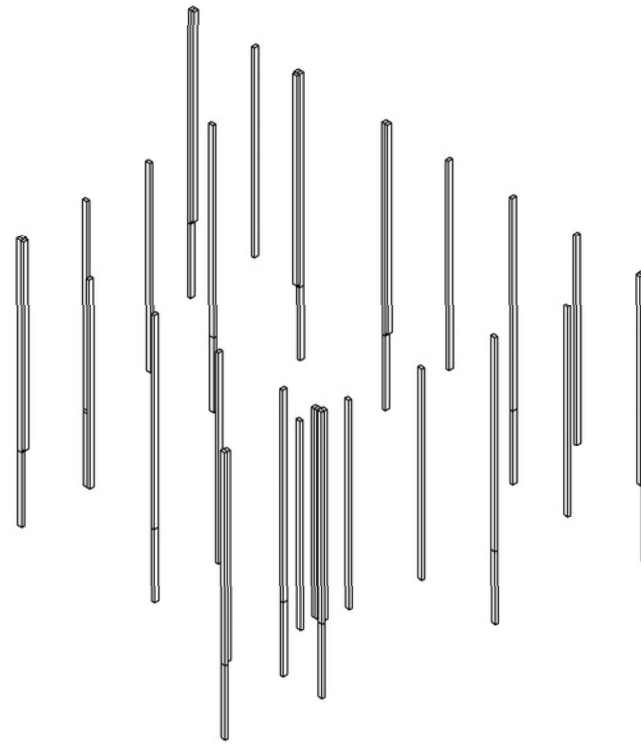
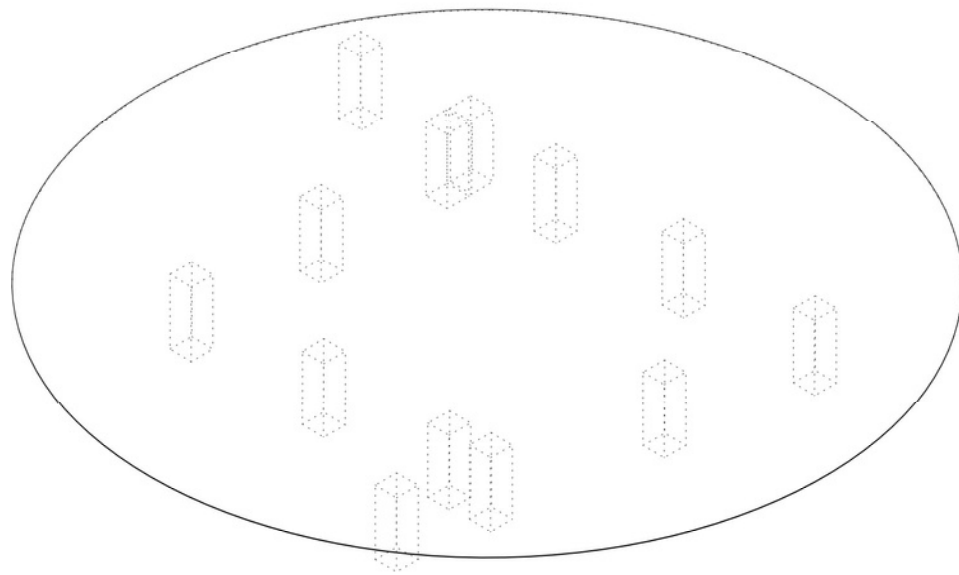


# 2.2 technical details



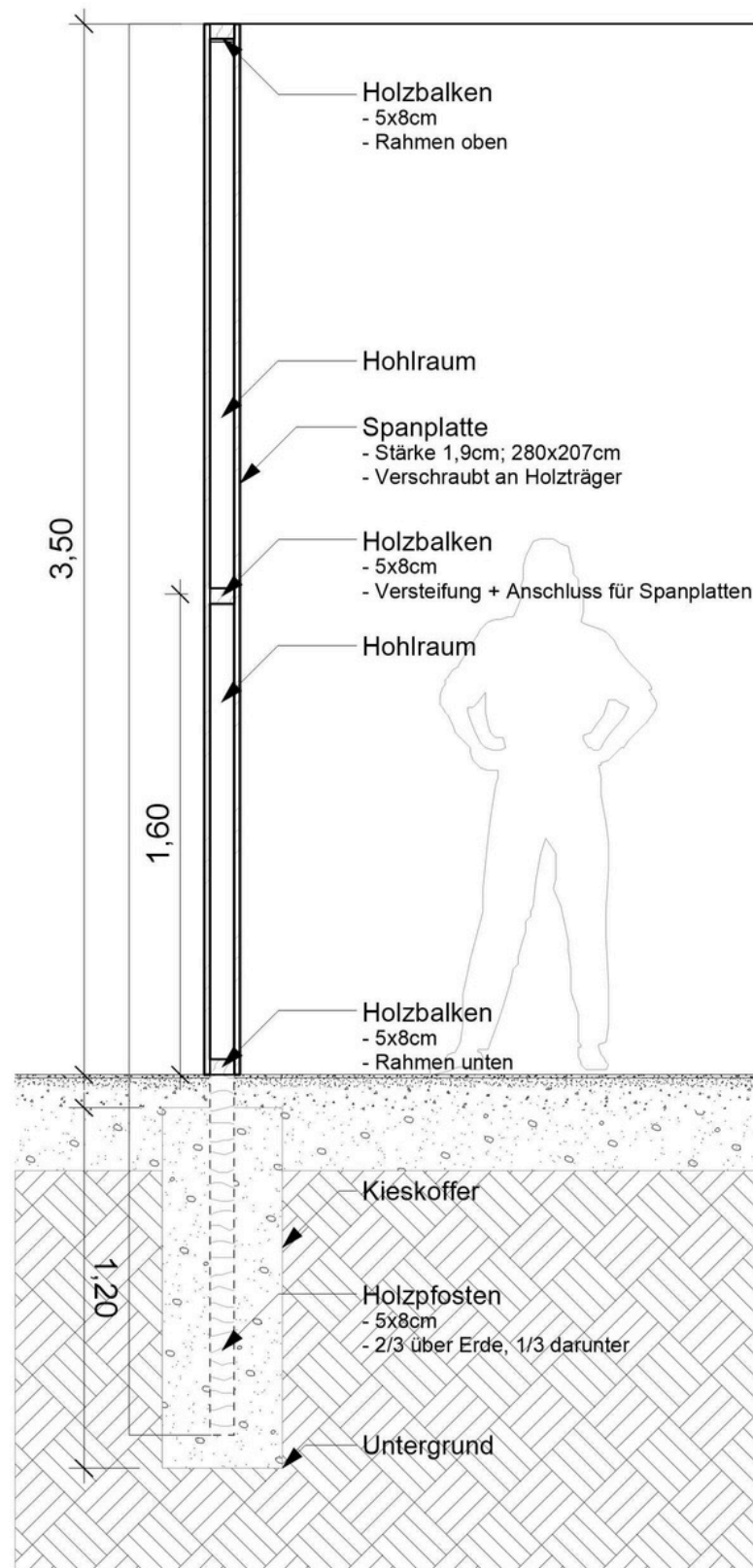
M 1:10

# 3.1 construction details

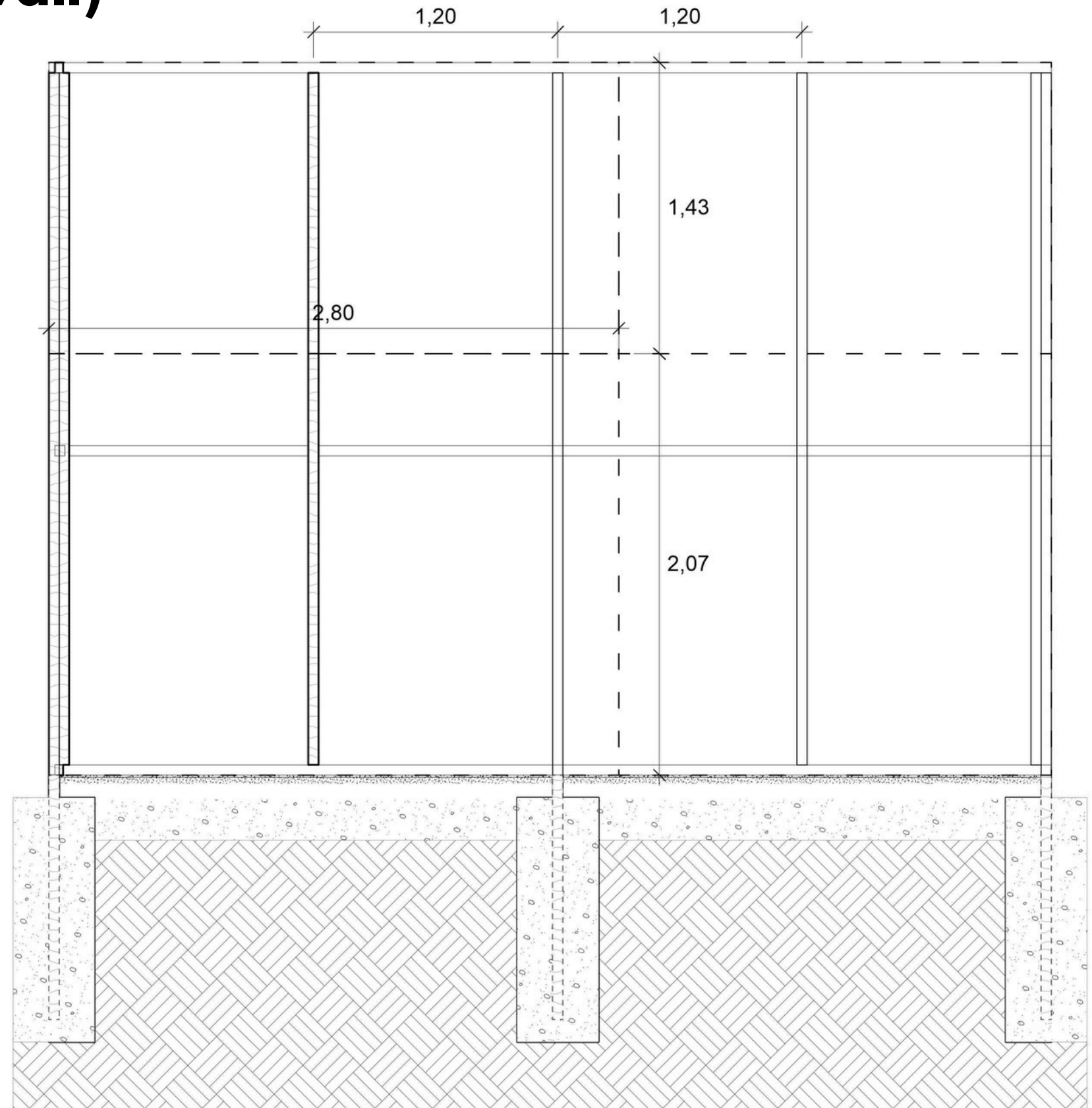




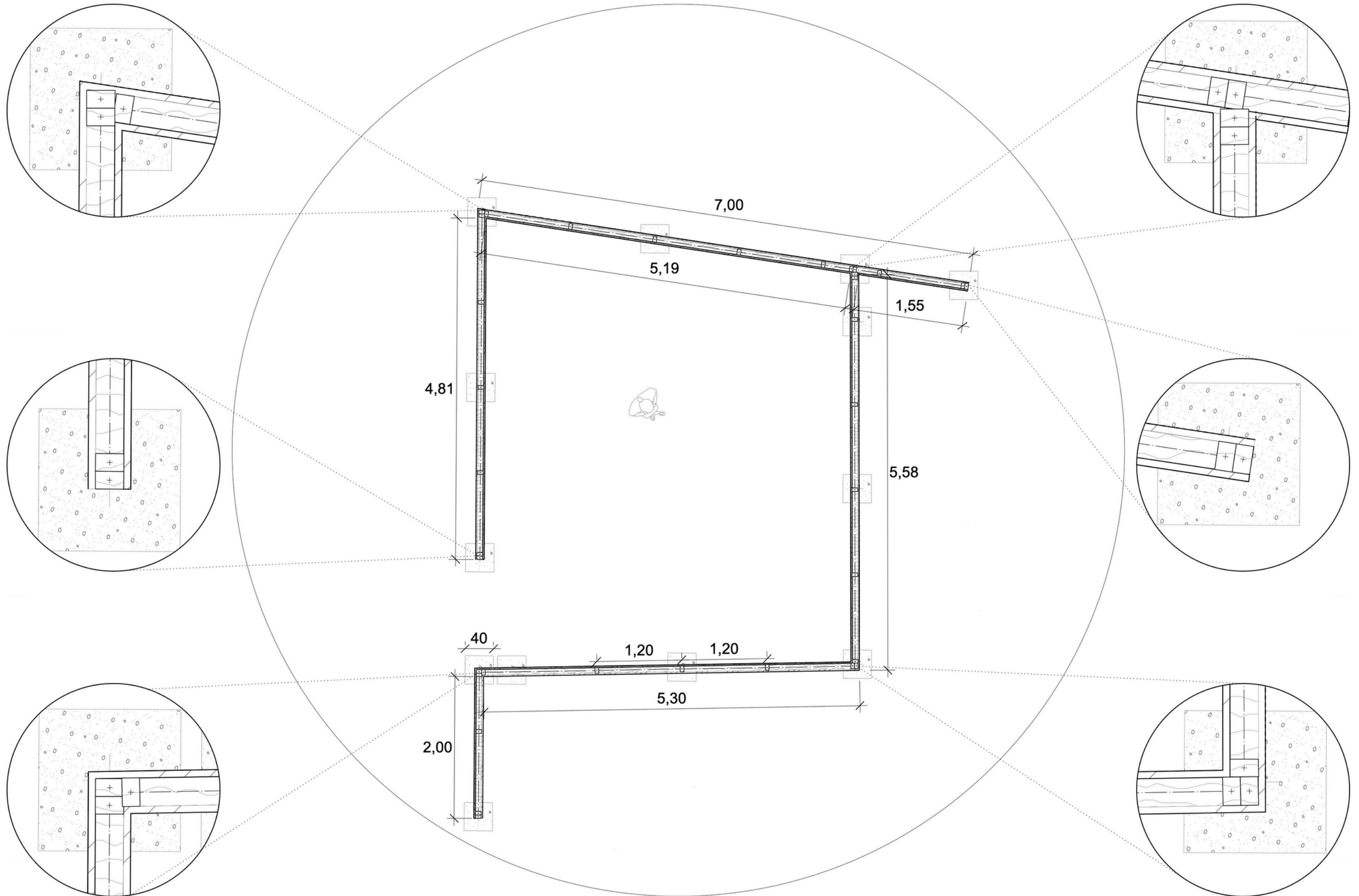
### 3.2 construction details (wall)



M 1:25

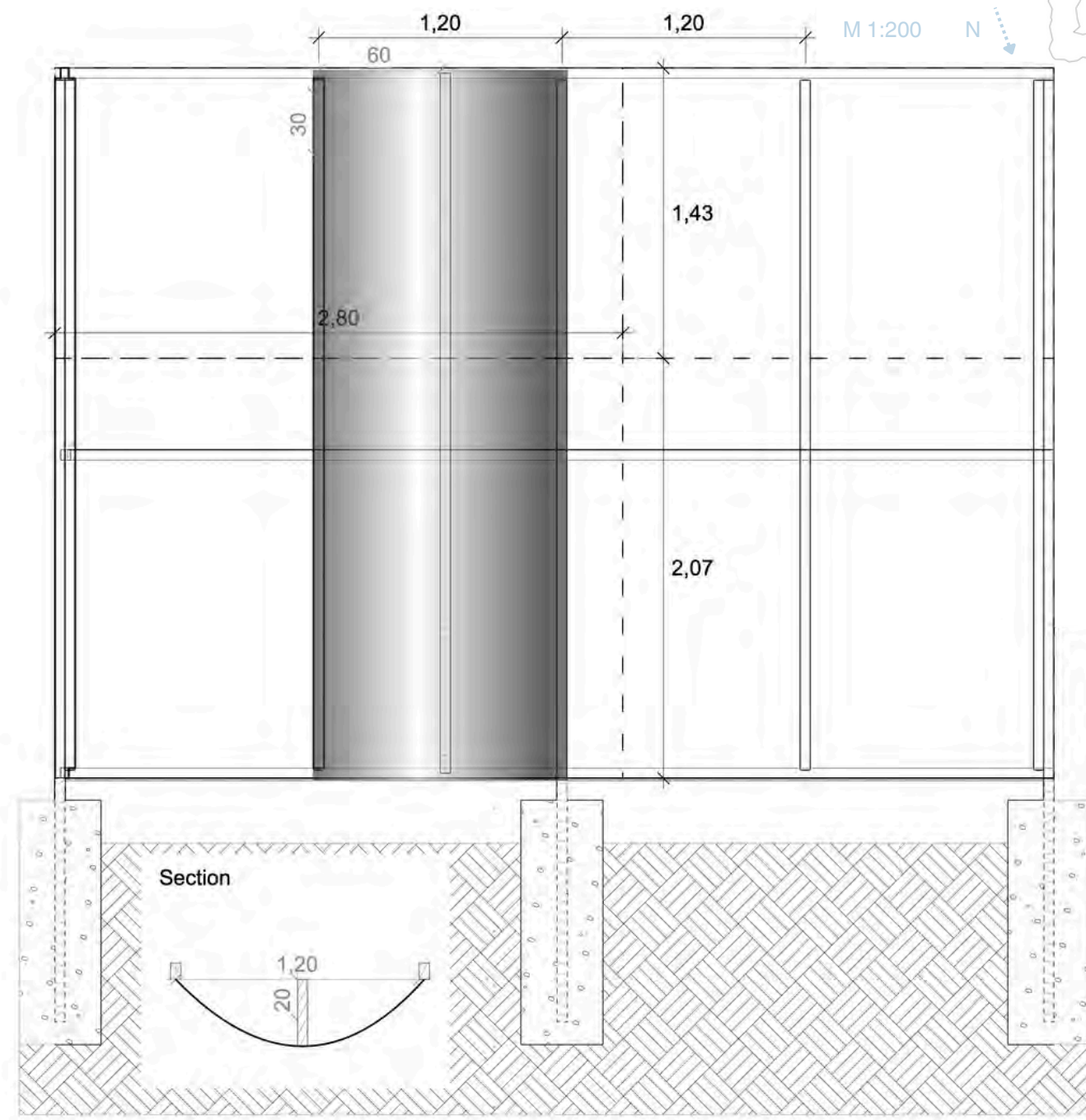
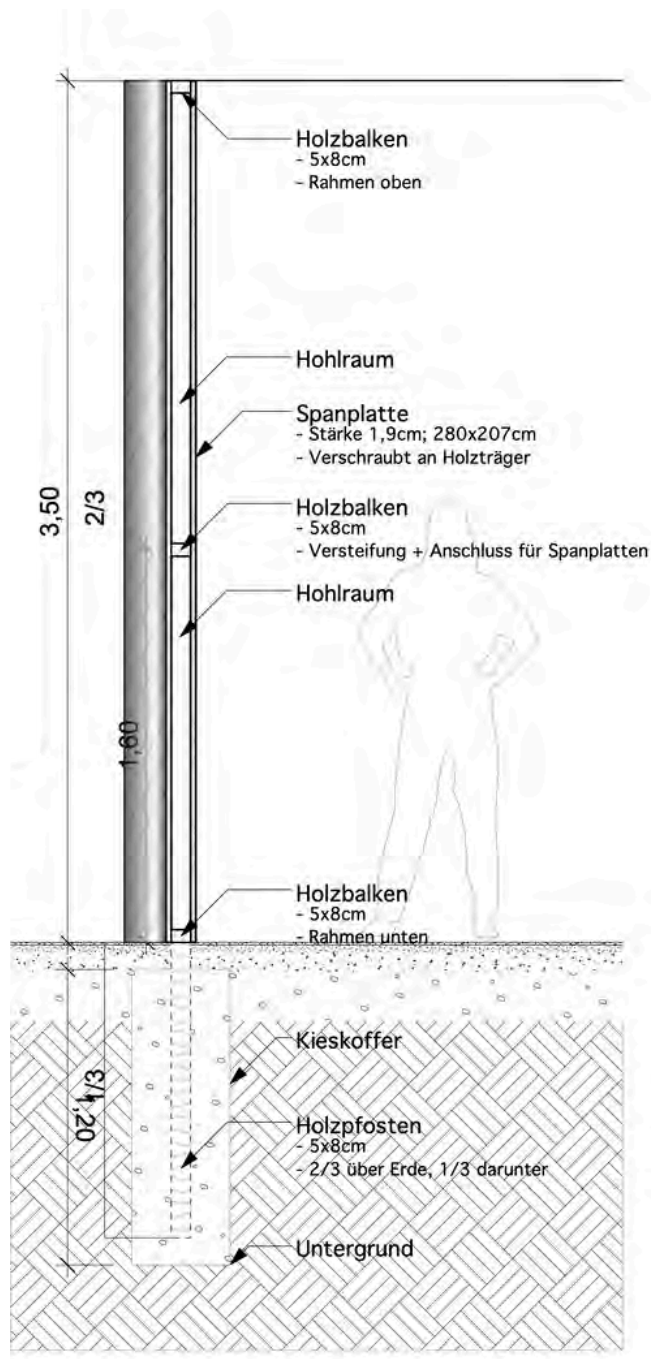
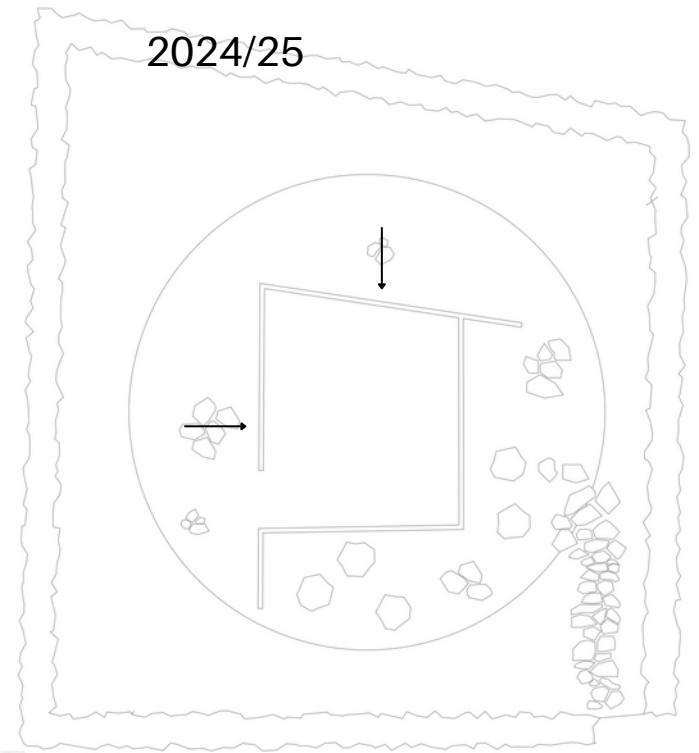


M 1:25



# 3.3 construction details (mirrors)

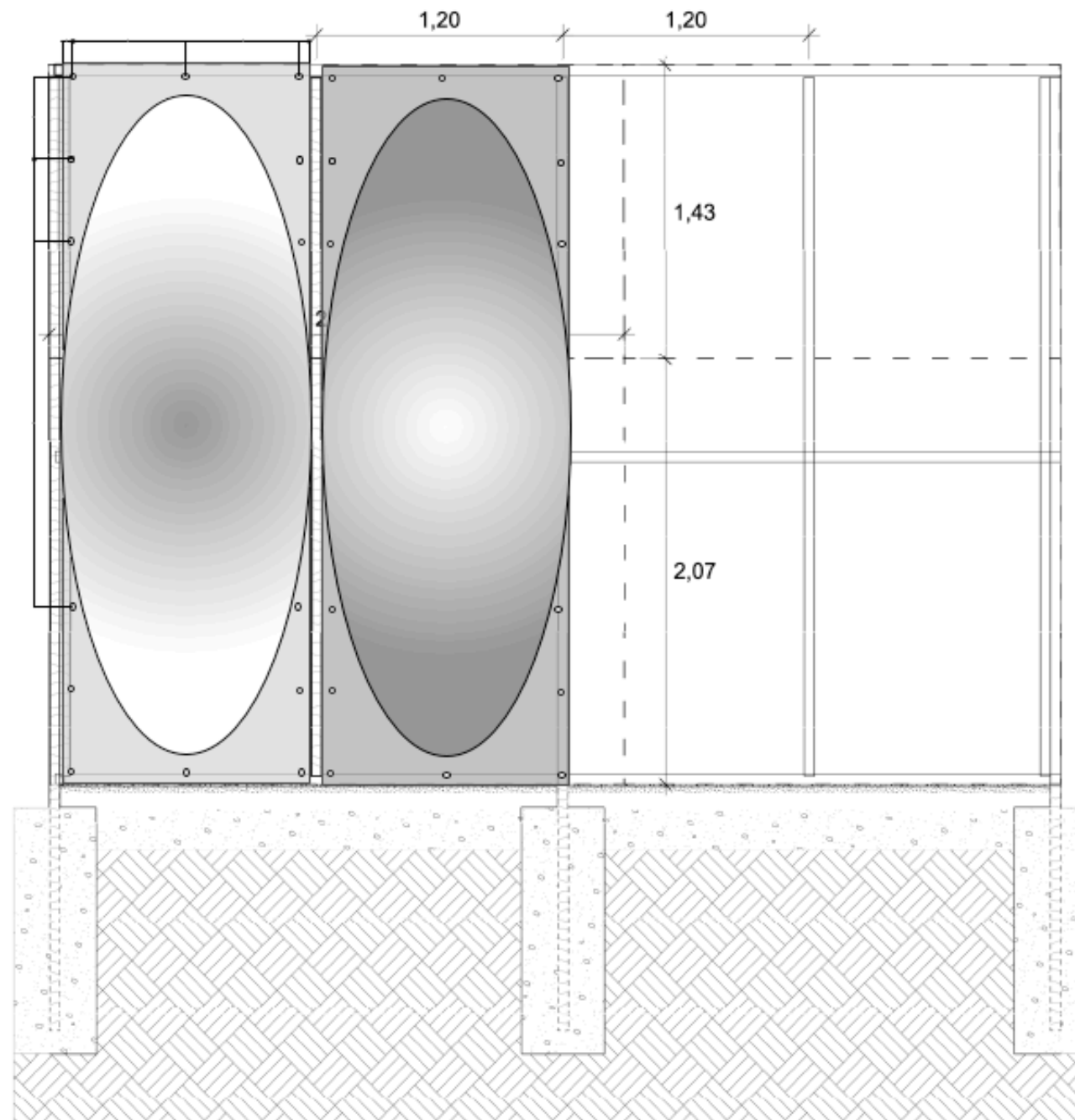
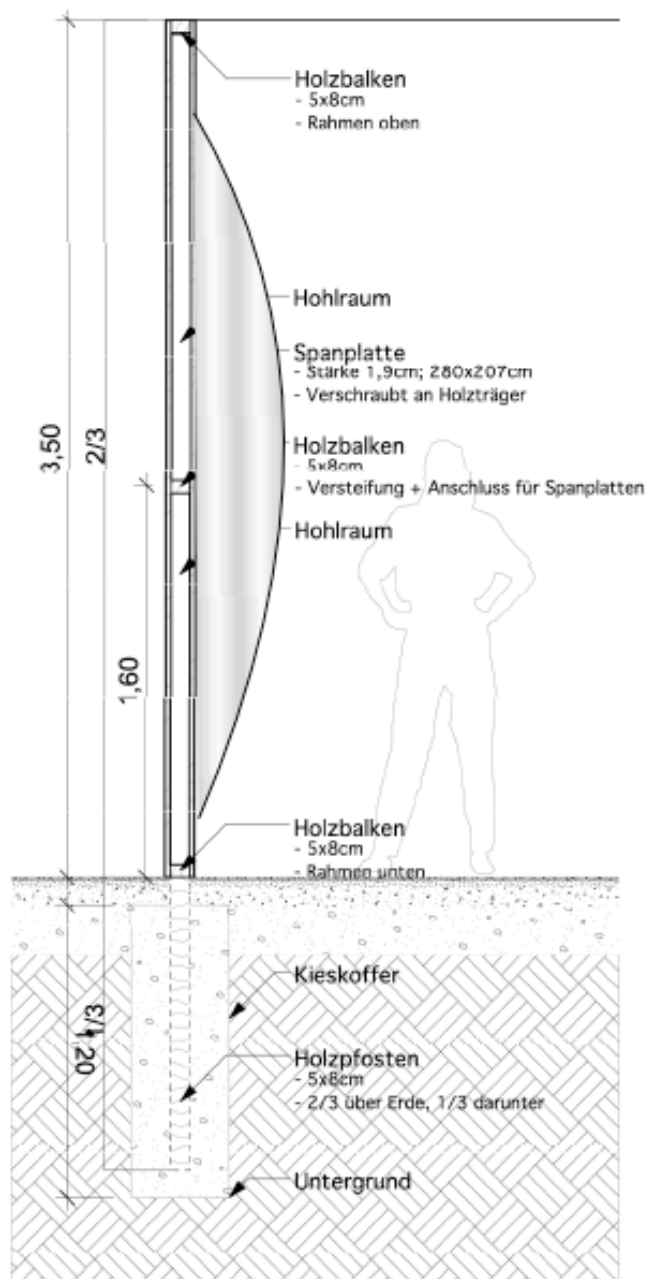
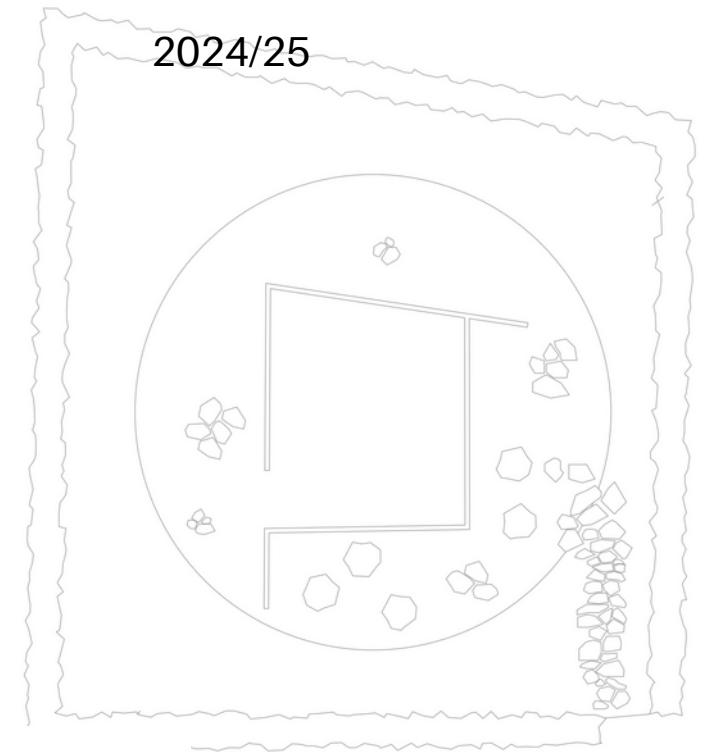
## Variant 1



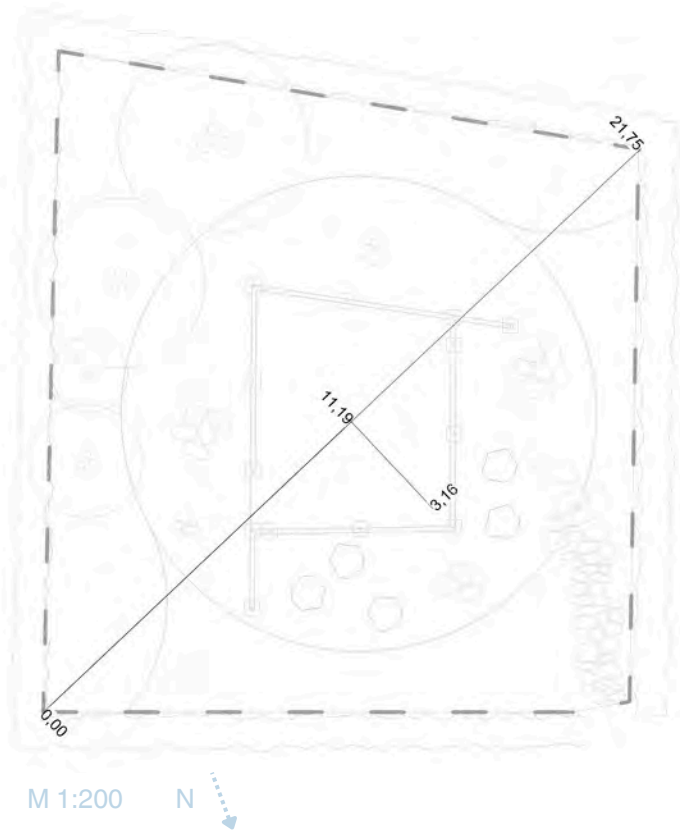
# 3.3 construction details (mirrors)

## Variante 2

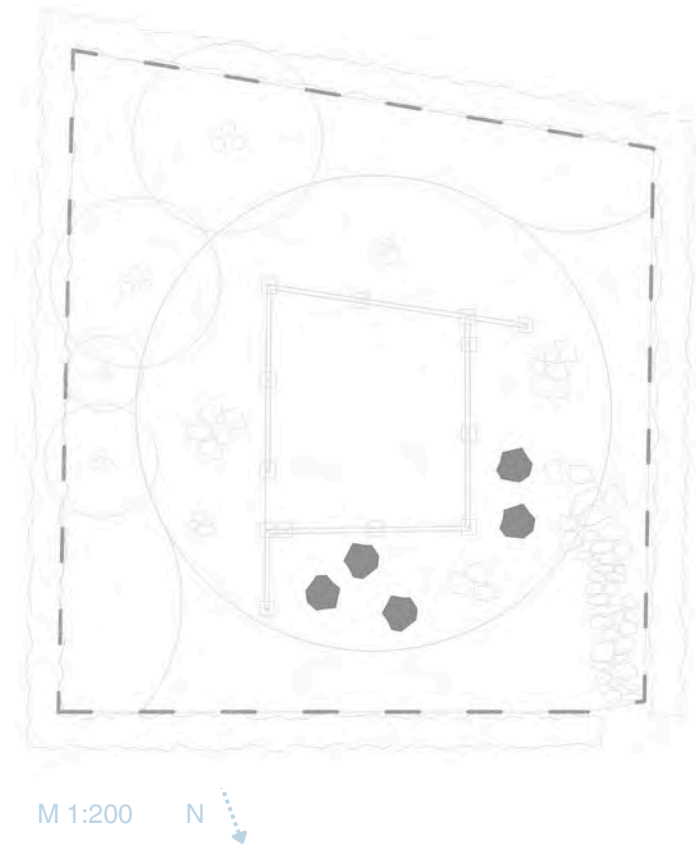
M 1:200 N



### 3.4 construction details (moss sphere)



## 3.4 construction details (stones)

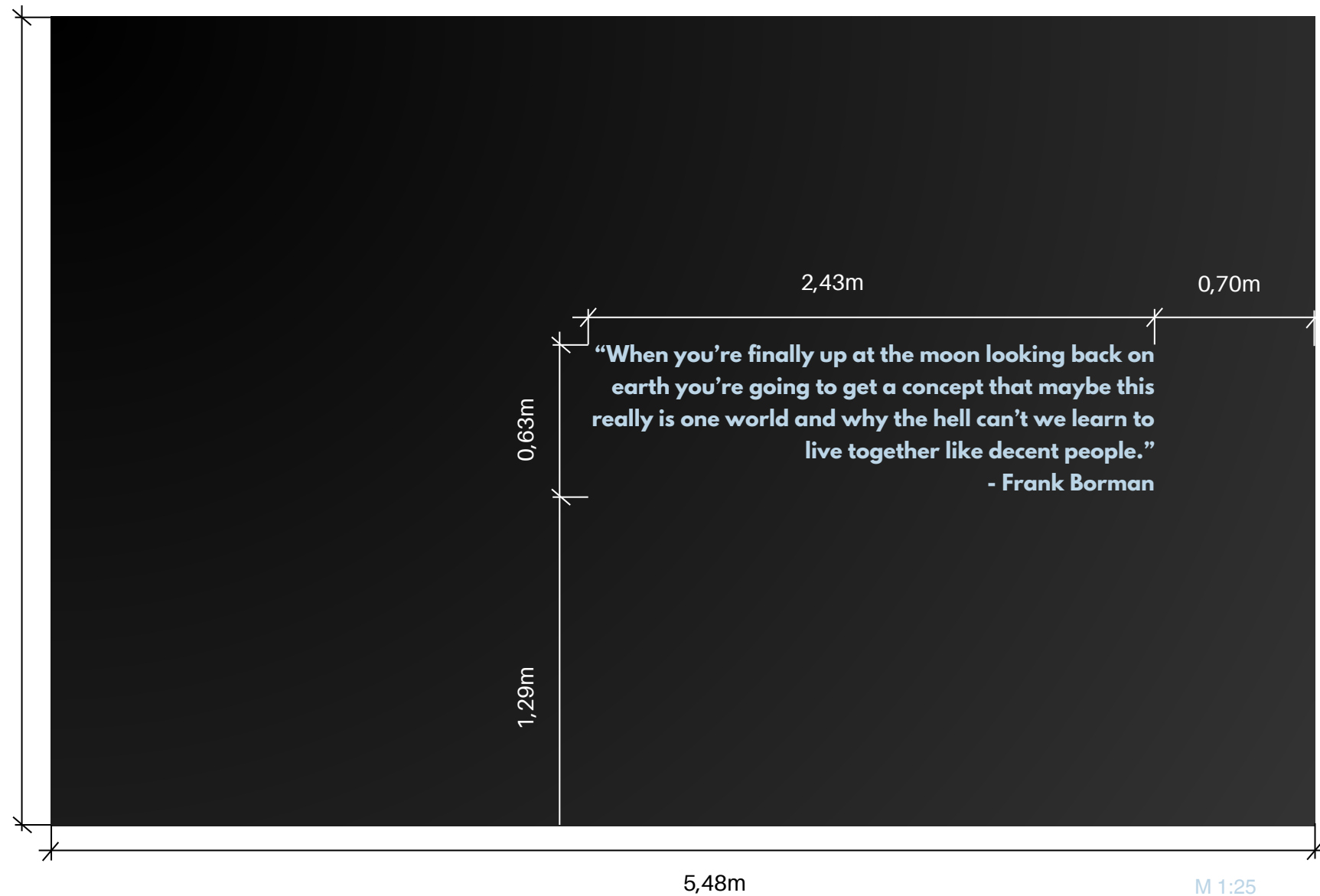
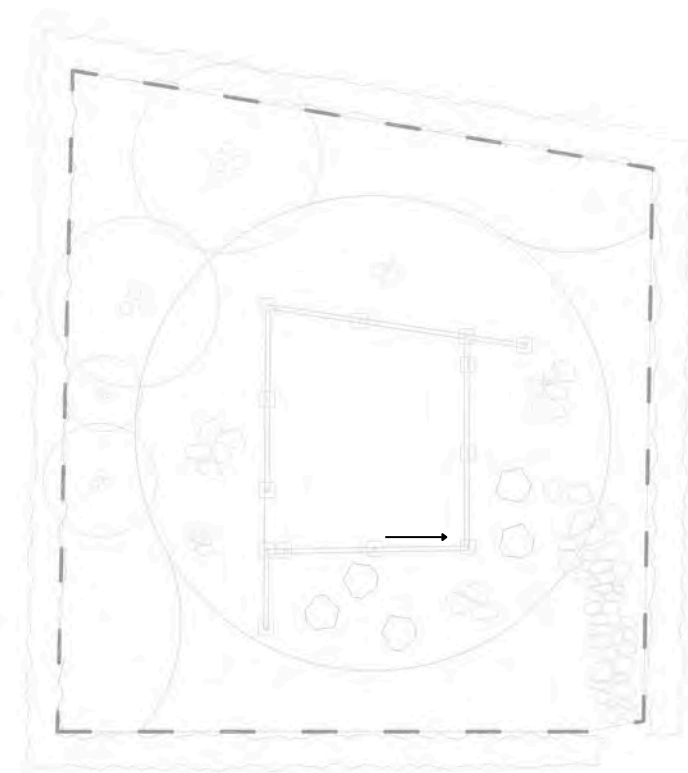


garden block quarry rough  
natural stone - sandstone  
83 x 50 x 40 cm  
500 kg  
finish: seat surface finely polished  
5 stones

### 3.4 construction details (wall text)

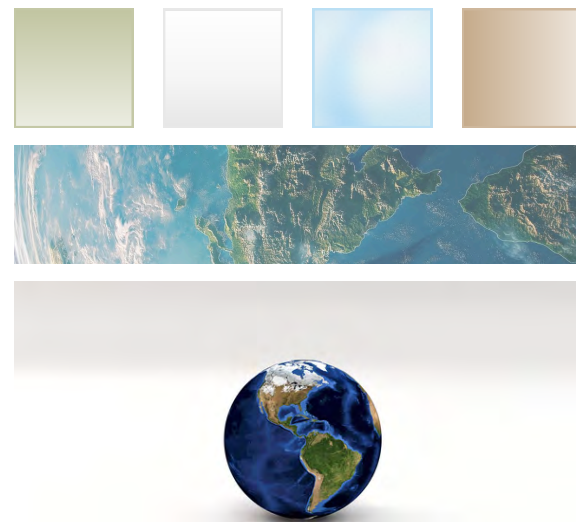


font size: 250 pt; 8,82 cm  
leading: 14,06 cm  
font: aileron  
colour: #bcd5e6



# 4.1 planting plan

























the planting plan should also reflect the overview effect, featuring earth tones and resembling the view of earth from above. this includes primarily white, along with blue, green, and touches of brown.



M 1:100 N



# 4.2 planting plan

	name of the plant	pot size (cm)	diameter (cm)	height (cm)	quantity	price / plant	total price	may	jun	jul	aug	sept	oct
Tree	Ficus carica	60 - 70	200 - 300	(200), 350	4	799 €	3.196 €						
	 Pennisetum alopecuroides	12 - 15	60 - 80	40 - 60	6	6,10 €	36,60 €						
Grasses	 Stipa tenuissima 'Ponytails'	9 - 12	25 - 30	30 - 50	30	5,90 €	177,00 €						
	 Miscanthus sinensis 'Kleine Fontäne'	15 - 18	110 - 130	150 - 170	4	13,10 €	52,40 €						
	 Melica ciliata	9 - 12	25 - 30	30 - 60	34	5,50 €	187,00 €						
	 Muhlenbergia capillaris	12 - 15	80 - 90	80 - 100	5	6,20 €	31,00 €						
	 Festuca glauca	9	20 - 30	10 - 25	17	7,10 €	120,70 €						
	 Echinacea purpurea 'Alba'	12	40 - 50	60 - 70	16	5,90 €	94,40 €						
	 Achillea millefolium 'Schneetaler'	9 - 12	40 - 50	40 - 60	13	8,30 €	107,90 €						
	 Anemone sylvestris	9 - 12	20 - 30	15 - 30	30	5,40 €	162,00 €						
	 Scabiosa caucasica 'Perfecta Alba'	12 - 15	35 - 40	60 - 80	14	7,40 €	103,60 €						
	 Echinops sphaerocephalus 'Arctic Glow'	12	40 - 60	80 - 100	5	9,70 €	48,50 €						
Perennials	 Salvia nemorosa 'Caradonna'	12 - 15	30 - 40	40 - 50	31	4,10 €	127,10 €						
	 Lavandula angustifolia 'Blue Mountain White'	12	70 - 90	40 - 60	7	5,40 €	37,80 €						
	 Eryngium planum	12 - 15	40 - 60	30 - 70	8	7,60 €	60,80 €						
	 Nepata faassenii 'Walker's Low'	9 - 12	30 - 40	30 - 40	23	6,10 €	140,30 €						
	 Stachys byzantina 'Silver Carpet'	12 - 15	25 - 30	15 - 20	23	6,30 €	144,90 €						
	 Eryngium yuccifolium	12 - 15	40 - 60	50 - 120	19	7,60 €	144,40 €						
	 Gaura lindheimeri 'Whirling Butterflies'	9 - 12	40 - 60	50 - 70	21	9,70 €	203,70 €						
	 Geranium sanguineum 'Album'	9 - 12	30 - 40	30 - 40	13	6,30 €	81,90 €						
	 Geranium tomentosum	9	30 - 50	13 - 30	30	6,70 €	201,00 €						
	 Thymus serpyllum 'Albus'	9	30 - 50	5 - 15	18	5,40 €	97,20 €						
Ground cover	 Agave montana	15 - 20	100 - 150	70 - 100	5	20,90 €	104,50 €						
	 Sedum album 'Coral Carpet'	9 - 12	15 - 20	5 - 10	32	5,40 €	172,80 €						
	 Sempervivum tectorum	9	15 - 20	10 - 15	30	6,20 €	186,00 €						
							<b>6.625,20 €</b>						

# 4.3 planting plan

The floor plan features a neutral white palette, creating a light and airy aesthetic. Visitors enter from the right,



Ficus carica



Pennisetum alopecurioides



Stipa tenuissima 'Ponytails'



Miscanthus sinensis 'Kleine Fontäne'



Melica ciliata



Muhlenbergia capillaris



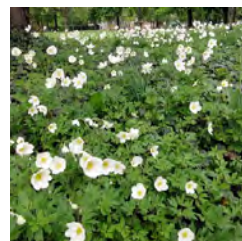
Festuca glauca



Echinacea purpurea 'Alba'



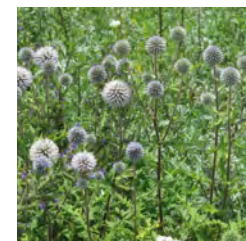
Achillea millefolium 'Schneetaler'



Anemone sylvestris



Scabiosa caucasica 'Perfecta Alba'



Echinops sphaerocephalus 'Arctic Glow'



Salvia nemorosa 'Caradonna'



Lavandula angustifolia 'Blue Mountain White'



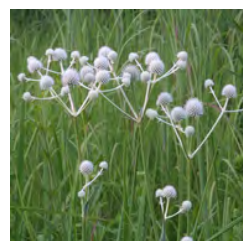
Eryngium planum



Nepata faassenii 'Walker's Low'



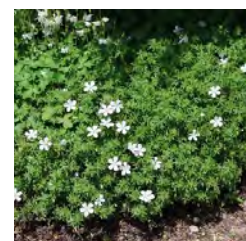
Stachys byzantina 'Silver Carpet'



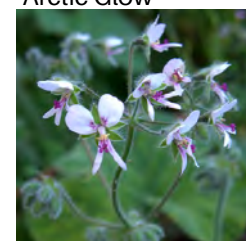
Eryngium yuccifolium



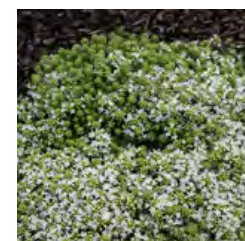
Gaura lindheimeri 'Whirling Butterflies'



Geranium sanguineum 'album'



Geranium tomentosum



Thymus serpyllum 'Albus'



Agave montana



Sedum album 'Coral Carpet'



Sempervivum tectorum

# 5.1 calculations

quantity	unit	use-case	product	dimension	reference	price / unit	total price
91	m <sup>2</sup>	water-bound bright	macadam marl sand	0/50	<a href="https://www.hornbach.at/p/wassergebundene-wegedecke-deckschicht-chateau-beige-0-5mm-1000-kg-big-bag/4688467/">https://www.hornbach.at/p/wassergebundene-wegedecke-deckschicht-chateau-beige-0-5mm-1000-kg-big-bag/4688467/</a>	160 € / 1000 kg	160,00 €
30	m <sup>2</sup>	water-bound dark	fine granite sand	0/50	<a href="https://www.hornbach.at/p/wassergebundene-wegedecke-deckschicht-maus-grau-0-5mm-1000-kg-big-bag/4688471/">https://www.hornbach.at/p/wassergebundene-wegedecke-deckschicht-maus-grau-0-5mm-1000-kg-big-bag/4688471/</a>	160 € / 1000 kg	160,00 €
20	m <sup>2</sup>	path	quartzite polygonal tile	polygonal, 2,5 cm	<a href="https://www.obi.de/p/2583797/quarzit-polygonalplatte-kavalla-staerke-13-25-mm-1-m-">https://www.obi.de/p/2583797/quarzit-polygonalplatte-kavalla-staerke-13-25-mm-1-m-</a>	22 € / m <sup>2</sup>	440,00 €
3,93	m <sup>3</sup>	top layer	macadam marl sand	0/8	<a href="https://www.splittprofi.de/gartentraeume/">https://www.splittprofi.de/gartentraeume/</a>	49,95 / 850 kg	49,95 €
19,65	m <sup>3</sup>	bearing layer	gravel	0/45	<a href="https://www.obi.de/p/6786891/big-bag-schotter-bis-45-mm-koernung-0-5-m-">https://www.obi.de/p/6786891/big-bag-schotter-bis-45-mm-koernung-0-5-m-</a>	80 € / 0,5 m <sup>3</sup>	3.144,00 €
124	m <sup>2</sup>	substrate	soil	2520 l	<a href="https://www.obi.at/pflanzerde/pflanzerde-2-520-l-36-x-70-l-1-palette/p/7905920">https://www.obi.at/pflanzerde/pflanzerde-2-520-l-36-x-70-l-1-palette/p/7905920</a>	300 € / 2520 l	2.400,00 €
70	m	edging	stainless steel	2000 mm x 4 mm x 100 mm	<a href="https://www.obs24.de/beeteinfassungen-fugenkreuze/greenliner-stahl-stueckverzinkt/greenliner-stahl-verzinkt/48/greenliner-stahl-100/4v-2m">https://www.obs24.de/beeteinfassungen-fugenkreuze/greenliner-stahl-stueckverzinkt/greenliner-stahl-verzinkt/48/greenliner-stahl-100/4v-2m</a>	20,40 € / lm	1.428,00 €
<b>subtotal</b>							<b>7.781,95 €</b>
33	pc	pillars	construction wood (spruce/fir)	5 x 8 cm	<a href="https://www.hornbach.at/p/konsta-konstruktionsvollholz-60x80x5000-mm-fichte-nsi-nicht-sichtbarer-einbau/5958904/">https://www.hornbach.at/p/konsta-konstruktionsvollholz-60x80x5000-mm-fichte-nsi-nicht-sichtbarer-einbau/5958904/</a>	16,50 € / 500 cm	544,50 €
15	pc	horizontal beams	construction wood (spruce/fir)	5 x 8 cm	<a href="https://www.hornbach.at/p/konsta-konstruktionsvollholz-60x80x6000-mm-fichte-nsi-nicht-sichtbarer-einbau/5958906/">https://www.hornbach.at/p/konsta-konstruktionsvollholz-60x80x6000-mm-fichte-nsi-nicht-sichtbarer-einbau/5958906/</a>	20 € / 600 cm	300,00 €
0,53	m <sup>3</sup>	foundation	gravel	0/45	<a href="https://www.obi.de/p/6786891/big-bag-schotter-bis-45-mm-koernung-0-5-m-">https://www.obi.de/p/6786891/big-bag-schotter-bis-45-mm-koernung-0-5-m-</a>	80 € / 0,5 m <sup>3</sup>	160,00 €
400	pc	screws		5 x 50 mm	<a href="https://www.obi.at/spanplattenschrauben-universalschrauben/lux-senkkopf-universalschraube-tx-antrieb-5-mm-x-50-mm-200-stueck/p/9248030">https://www.obi.at/spanplattenschrauben-universalschrauben/lux-senkkopf-universalschraube-tx-antrieb-5-mm-x-50-mm-200-stueck/p/9248030</a>	13,59 € / 200pc	27,12 €
87	m <sup>2</sup>	wall covering white	decorative chipboard		<a href="https://www.obi.de/p/1692623/dekorspanplatte-280-cm-x-207-cm-x-1-9-cm-alaskaweiss">https://www.obi.de/p/1692623/dekorspanplatte-280-cm-x-207-cm-x-1-9-cm-alaskaweiss</a>	30 € / m <sup>2</sup>	2.610,00 €
87	m <sup>2</sup>	wall covering black	decorative chipboard		<a href="https://www.obi.de/p/4561049/dekorspanplatte-280-cm-x-207-cm-x-1-9-cm-schwarz-pearl">https://www.obi.de/p/4561049/dekorspanplatte-280-cm-x-207-cm-x-1-9-cm-schwarz-pearl</a>	30 € / m <sup>2</sup>	2.610,00 €
		wall text	wall tattoo		<a href="https://www.myfolie.com/de/klebeschriften/">https://www.myfolie.com/de/klebeschriften/</a>	30 €	30,00 €
<b>subtotal</b>							<b>6.251,62 €</b>
1	pc	ball	glass	13,5 cm	<a href="https://www.amazon.de/PATIKIL-Terrasse-Luftpflanze-Borosilikatglas">https://www.amazon.de/PATIKIL-Terrasse-Luftpflanze-Borosilikatglas</a>	17,98 €	17,98 €
1	pc	moos	filling	100 g	<a href="https://www.amazon.de/Baker-Ross-Getrocknetes-Moos-Packung/">https://www.amazon.de/Baker-Ross-Getrocknetes-Moos-Packung/</a>	8,05 €	8,05 €
1	pc	mounting		24,5 x 30 cm	<a href="https://relaxdays.de/garten/pflanzen-zubehor/topfekarsten/blumenhaken/2er-set-blumenampel-halterung-10041688.html">https://relaxdays.de/garten/pflanzen-zubehor/topfekarsten/blumenhaken/2er-set-blumenampel-halterung-10041688.html</a>	11,99 €	11,99 €
2	pc	lights	spots	135 x 200 mm	<a href="https://www.bega.com/de-at/produkte/aussenleuchten/scheinwerfer/gartenscheinwerfer-fuer-den-privaten-bereich-84807/?t=mit-erdspiess">https://www.bega.com/de-at/produkte/aussenleuchten/scheinwerfer/gartenscheinwerfer-fuer-den-privaten-bereich-84807/?t=mit-erdspiess</a>	313,40 €	626,80 €
<b>subtotal</b>							<b>664,82 €</b>

surface

cubus

moss ball

# calculations

	quantity	unit	use-case	product	dimension	reference	price / unit	Total Price
mirror	8,4	m <sup>2</sup>	mirror	mirror	350x120 cm	<a href="https://www.velken.de">https://www.velken.de</a>	49,90 € / m2	174,66 €
	14	pc	mounting	sheet metal	100 x 60 cm		25,95 € / pc	363,30 €
	3	pc	pillars	construction wood (spruce/fir)	5 x 8 cm	<a href="https://www.hornbach.at/p/konsta-konstruktionsvollholz-60x80x5000-mm-fichte-nsi-nicht-sichtbarer-einbau/5958904/">https://www.hornbach.at/p/konsta-konstruktionsvollholz-60x80x5000-mm-fichte-nsi-nicht-sichtbarer-einbau/5958904/</a>	16,50 € / 500 cm	49,50 €
	70	pc	screws		5 x 50 mm	<a href="https://www.obi.at/spanplattenschrauben-universalschrauben/lux-senkkopf-universalschraube-tx-antrieb-5-mm-x-50-mm-200-stueck/p/9248030">https://www.obi.at/spanplattenschrauben-universalschrauben/lux-senkkopf-universalschraube-tx-antrieb-5-mm-x-50-mm-200-stueck/p/9248030</a>	13,59 € / 200pc	4,80 €
							<b>subtotal</b>	<b>592,20 €</b>
plants	see planting plan	pc	trees	see planting plan for reference		<a href="http://flora-toscana.com/de">flora-toscana.com/de</a>		3.196,00 €
		pc	grasses	see planting plan for reference		<a href="http://baumschule-horstmann.de">baumschule-horstmann.de</a>		605,70 €
		pc	perennials	see planting plan for reference		<a href="http://baumschule-horstmann.de">baumschule-horstmann.de</a>		1980,10 €
		pc	ground cover	see planting plan for reference		<a href="http://baumschule-horstmann.de">baumschule-horstmann.de</a>		380,10 €
		pc	succulents	see planting plan for reference		<a href="http://baumschule-horstmann.de">baumschule-horstmann.de</a>		463,30 €
	48	m <sup>2</sup>	turf	turf	250 x 40 cm	<a href="http://hornbach.at">hornbach.at</a>	7,39 € / m2	420,00 €
							<b>subtotal</b>	<b>7.045,20 €</b>
stones	5	pc	garden block quarry rough	sandstone	83 x 50 x 40 cm	<a href="https://www.gersthofer.at/produkt/sitzbock-100cm/">https://www.gersthofer.at/produkt/sitzbock-100cm/</a>	492 € / pc	2.460,00 €
							<b>subtotal</b>	<b>2.460,00 €</b>
							<b>total</b>	<b>24.795,09 €</b>