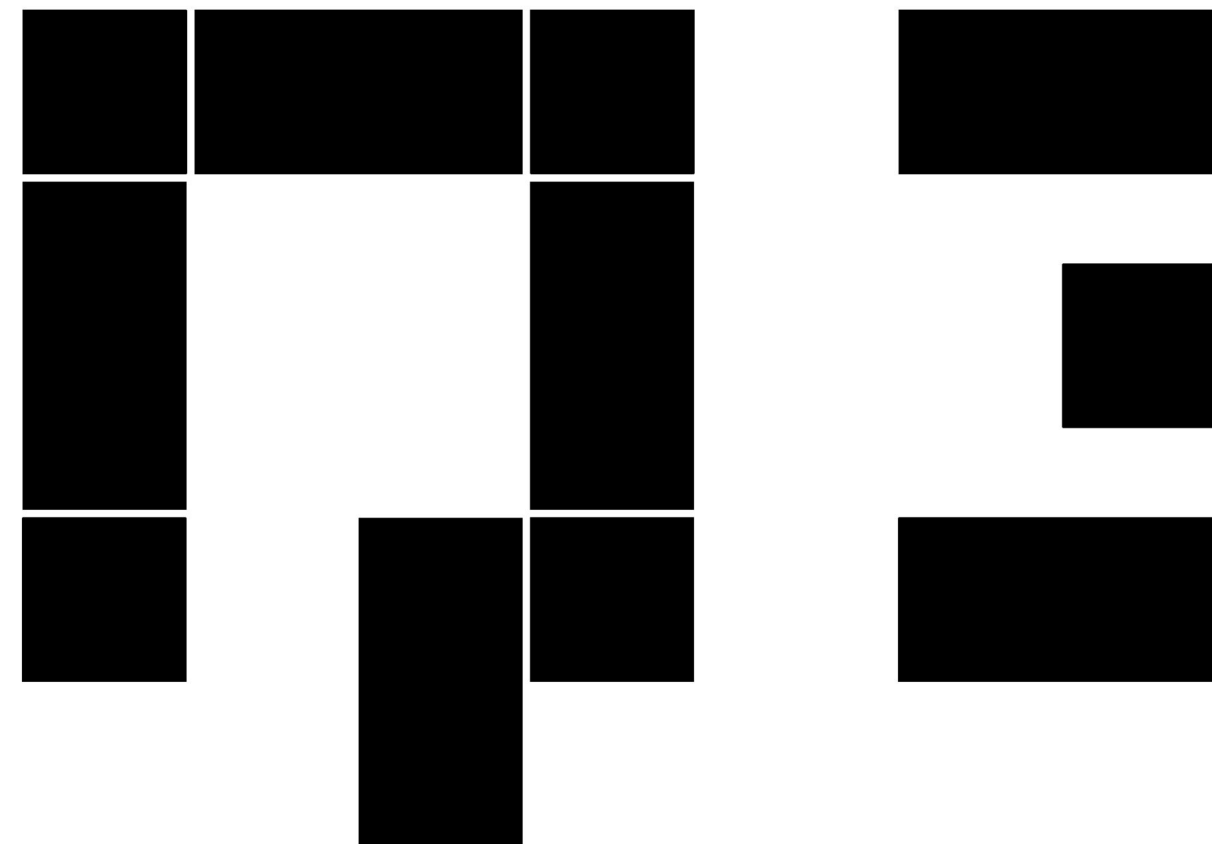


BAUHAUS

URBAN

ENERGY

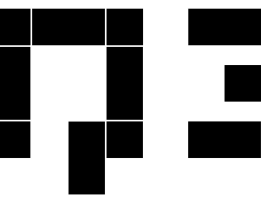




Niklas Neumann, Martin Šálek, Luisa Woll, Stina Amrhein, Max Krauß



GLIEDERUNG



Randbedingungen

Standortanalyse

Architektonisches Konzept

Nutzungskonzept

Betriebskonzept

Konstruktion

Statisches System

Energiekonzept

Kosten

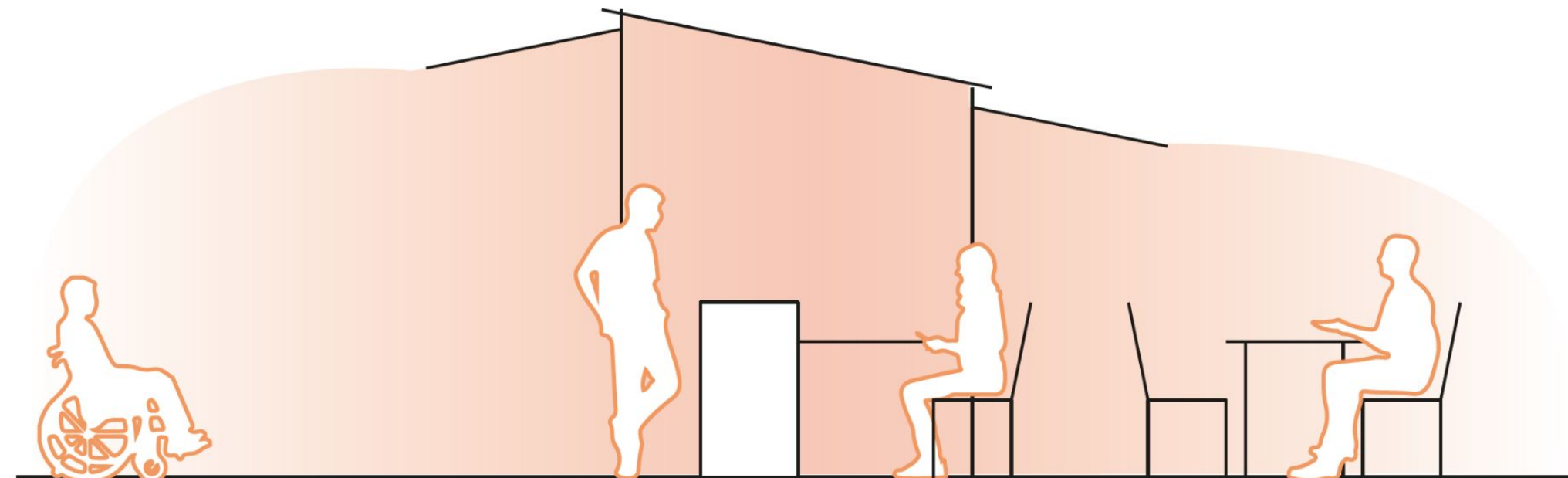
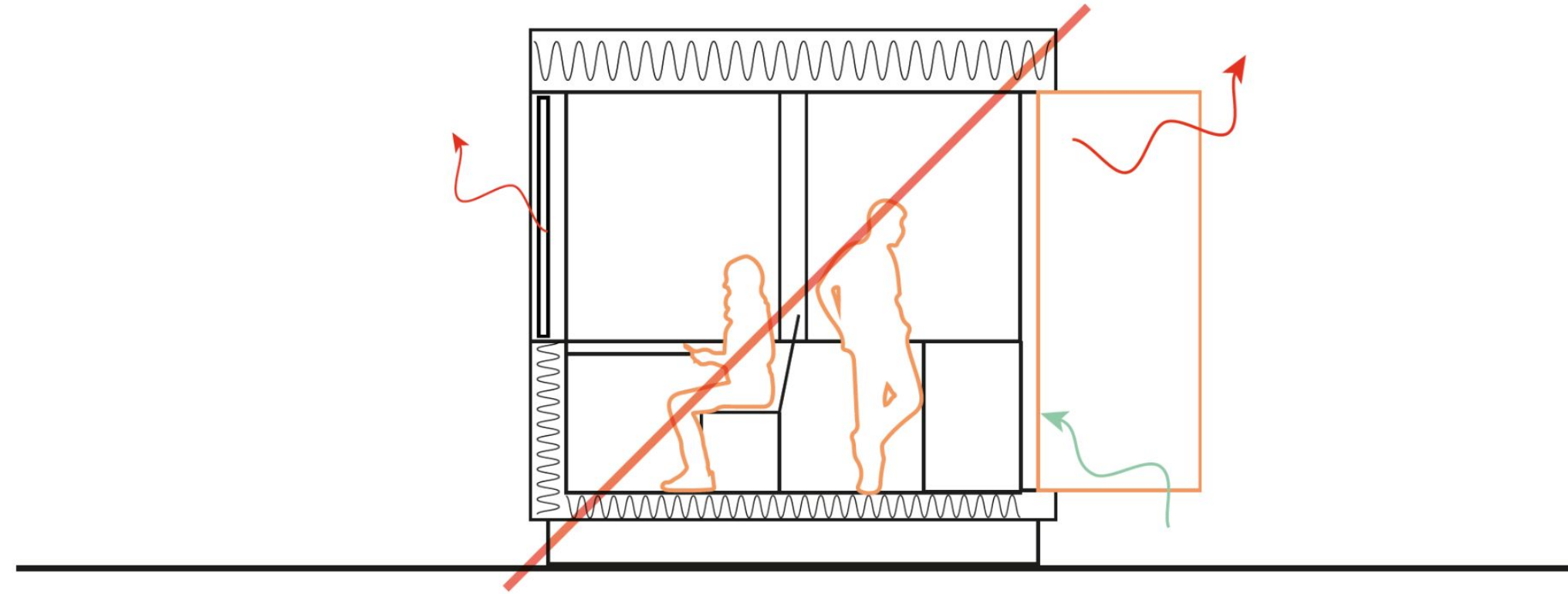
Zusammenfassung

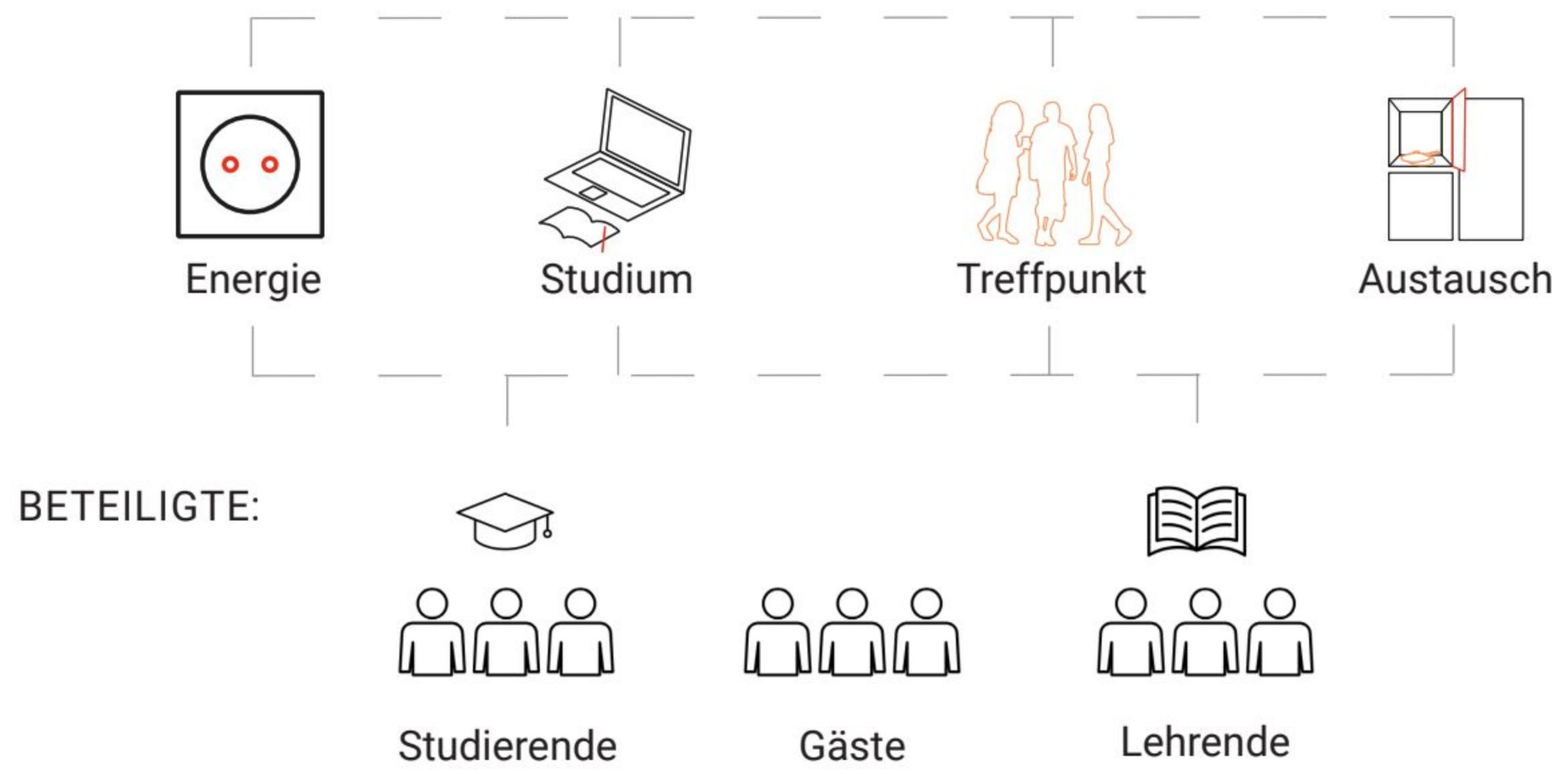
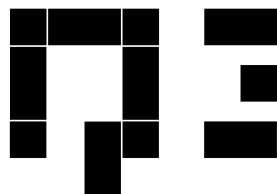




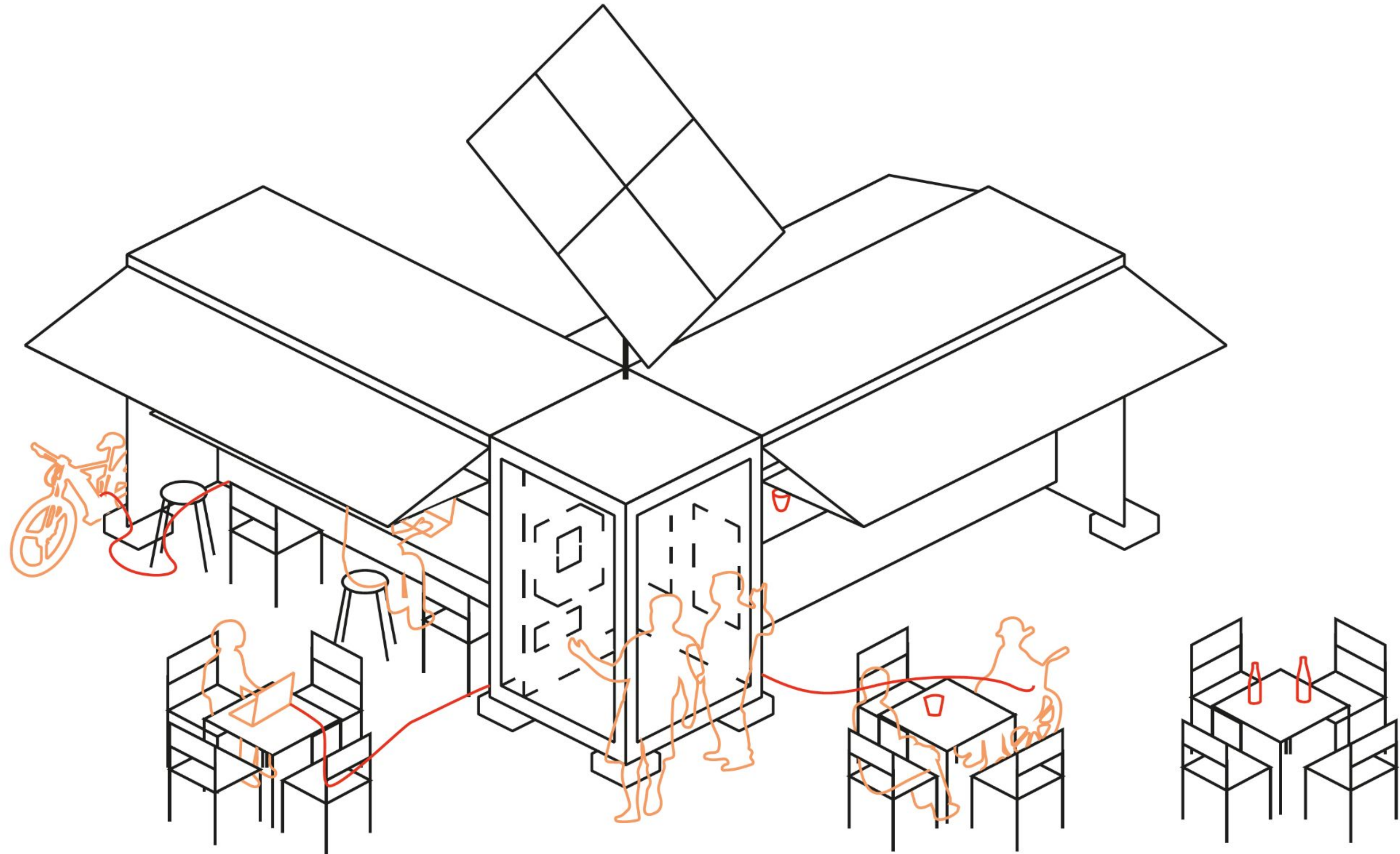
A photograph of a dimly lit interior space, possibly a home office or study. On the left, a desk is illuminated by a warm, yellow light source, creating a strong glow. A wooden chair is positioned in front of the desk. In the background, a person's silhouette is visible, standing near a doorway or window. The overall atmosphere is quiet and focused.

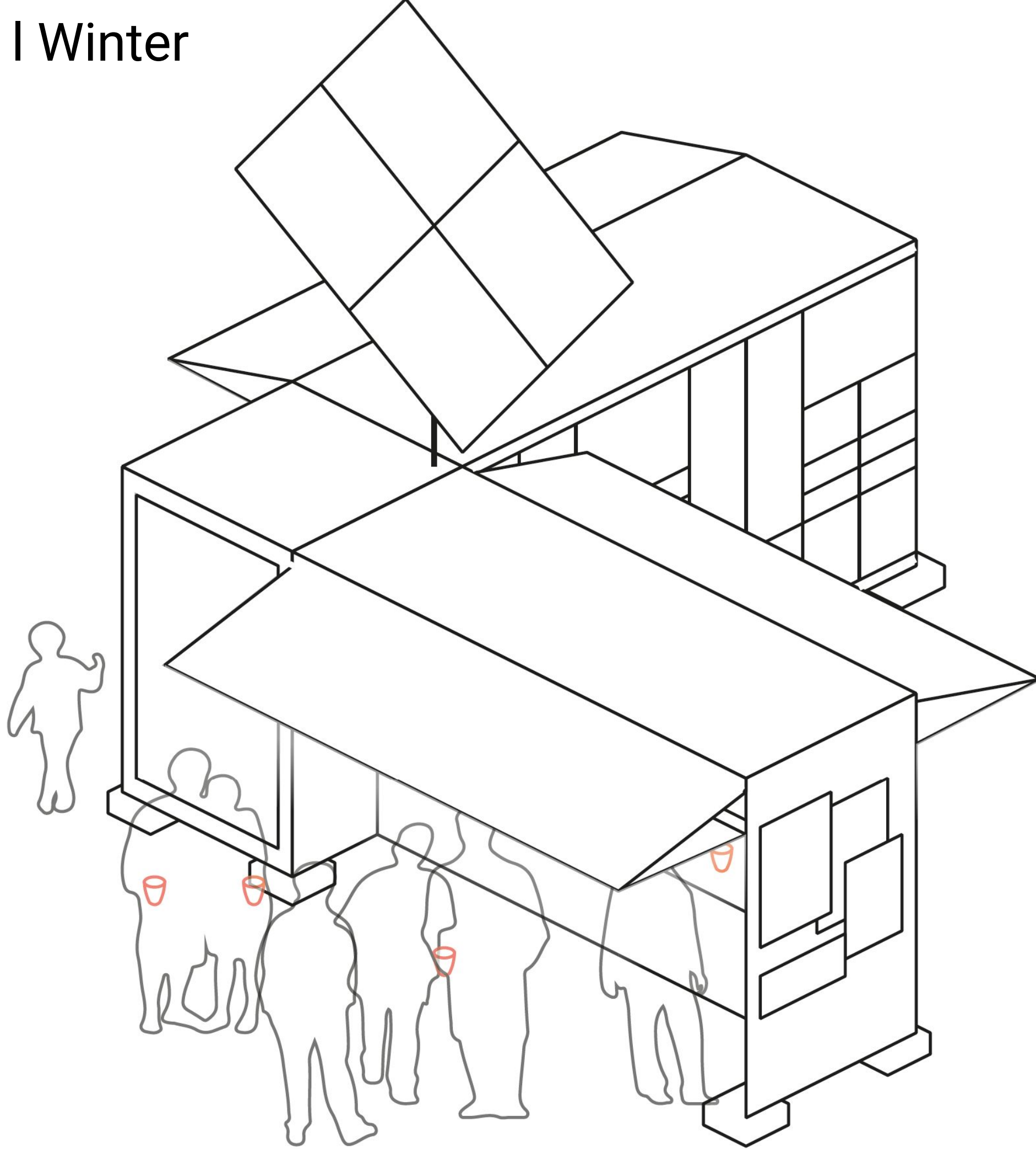
Konzept

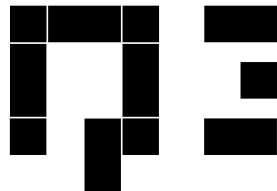




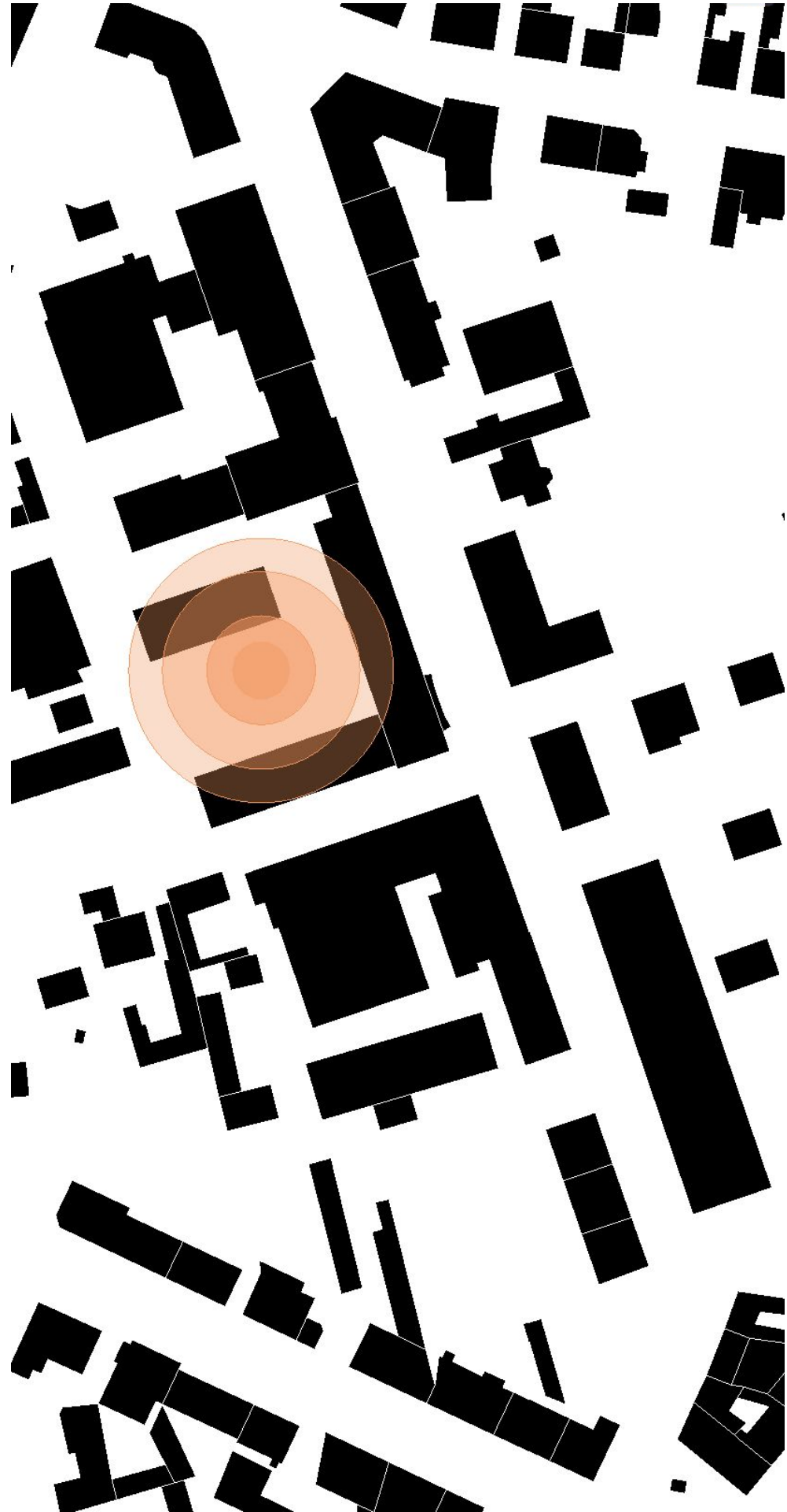








Q3 ≐ M18



BETREUUNG:

- Initiativen

ANGEBOT:

- Getränke, Energie, Arbeitsplätze, Austausch

PERSONAL:

- 1-2 Freiwillige Studierende (kein Lohn)

NUTZUNG:

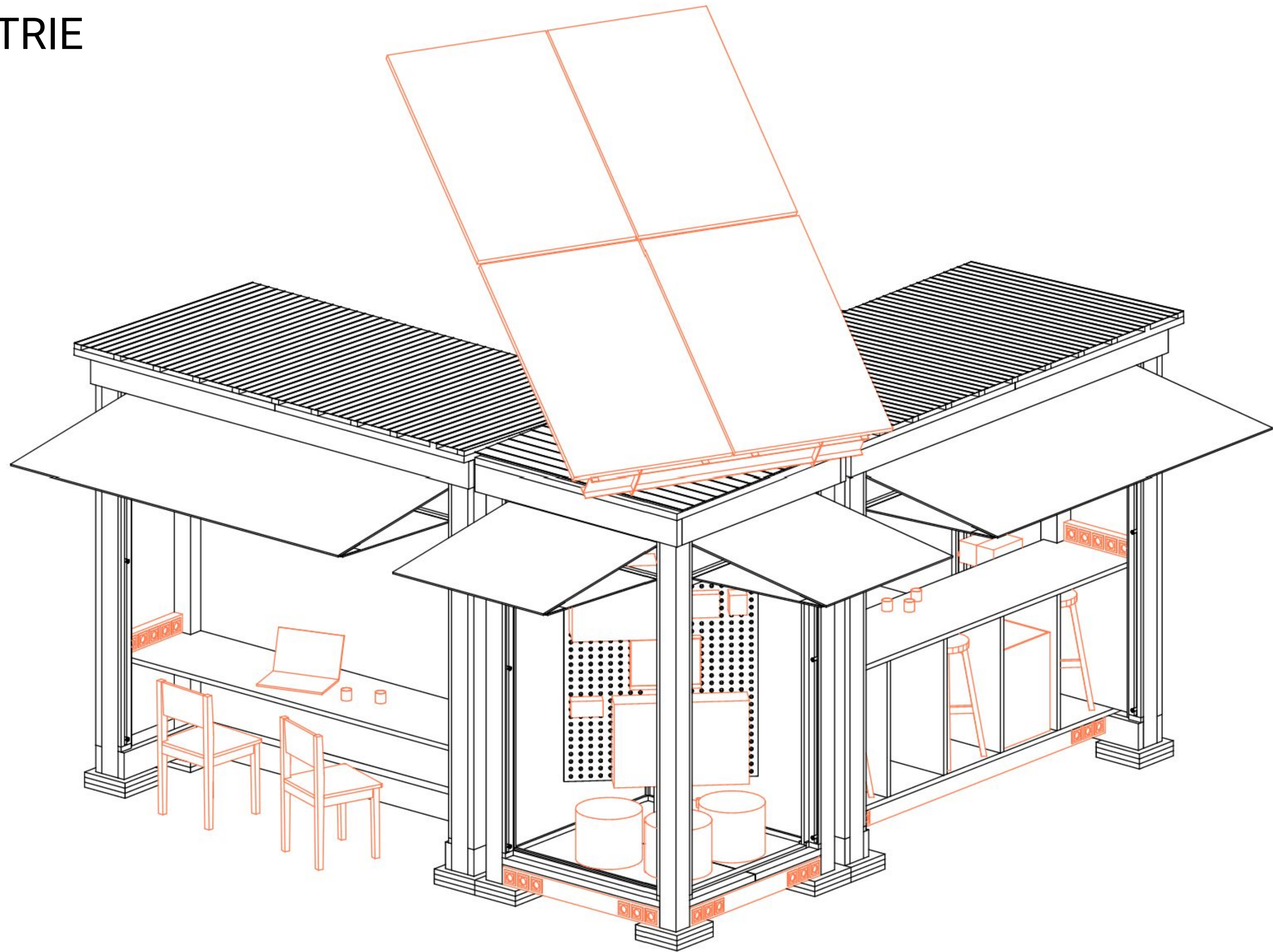
- Sommer und Winter unterschiedlich
- besondere Anlässe (go4spring, Feste, ...)

ERWEITERUNG

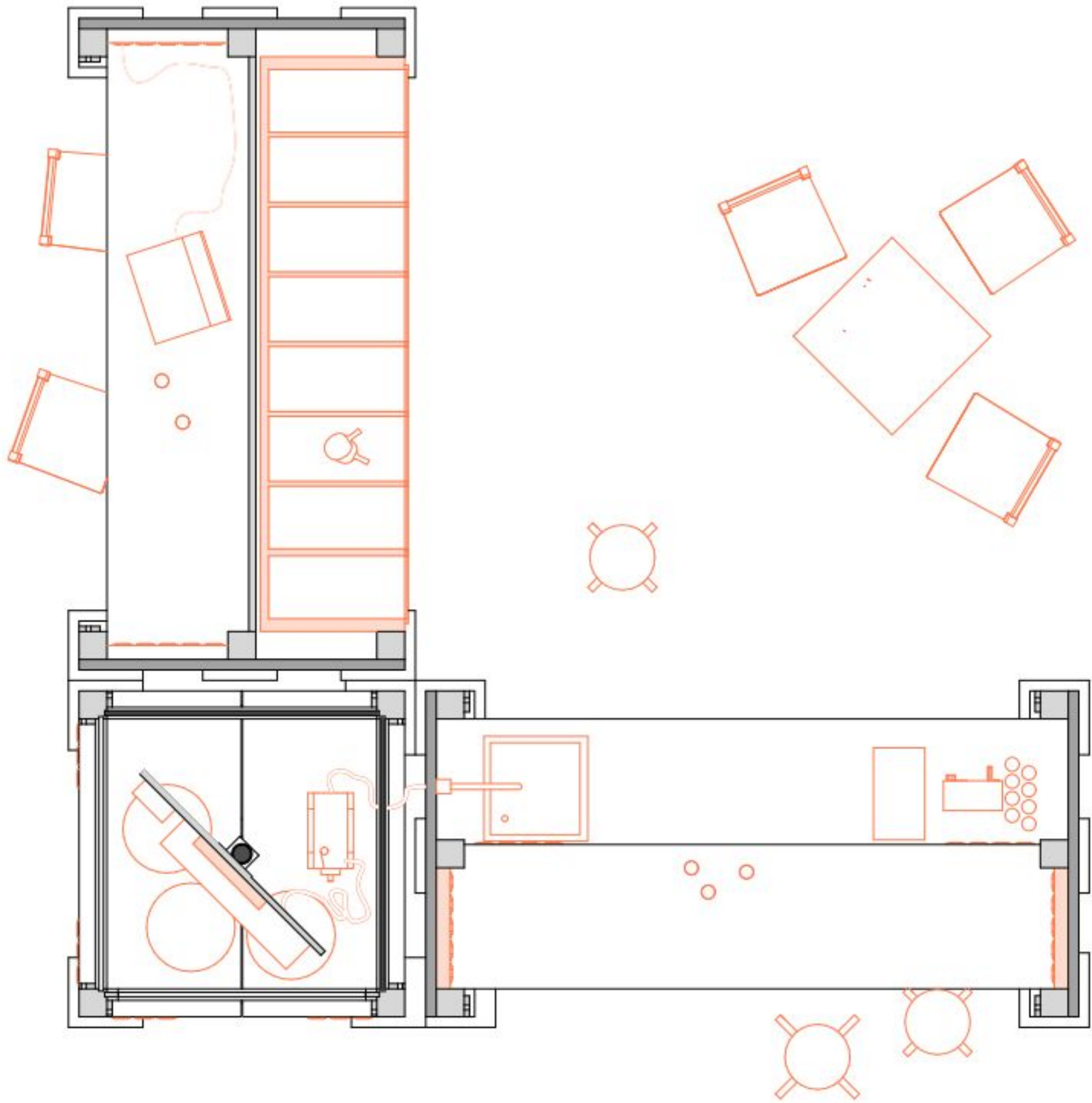
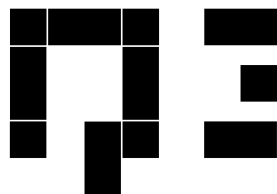
- Floh- oder Weihnachtsmärkte

Konstruktion

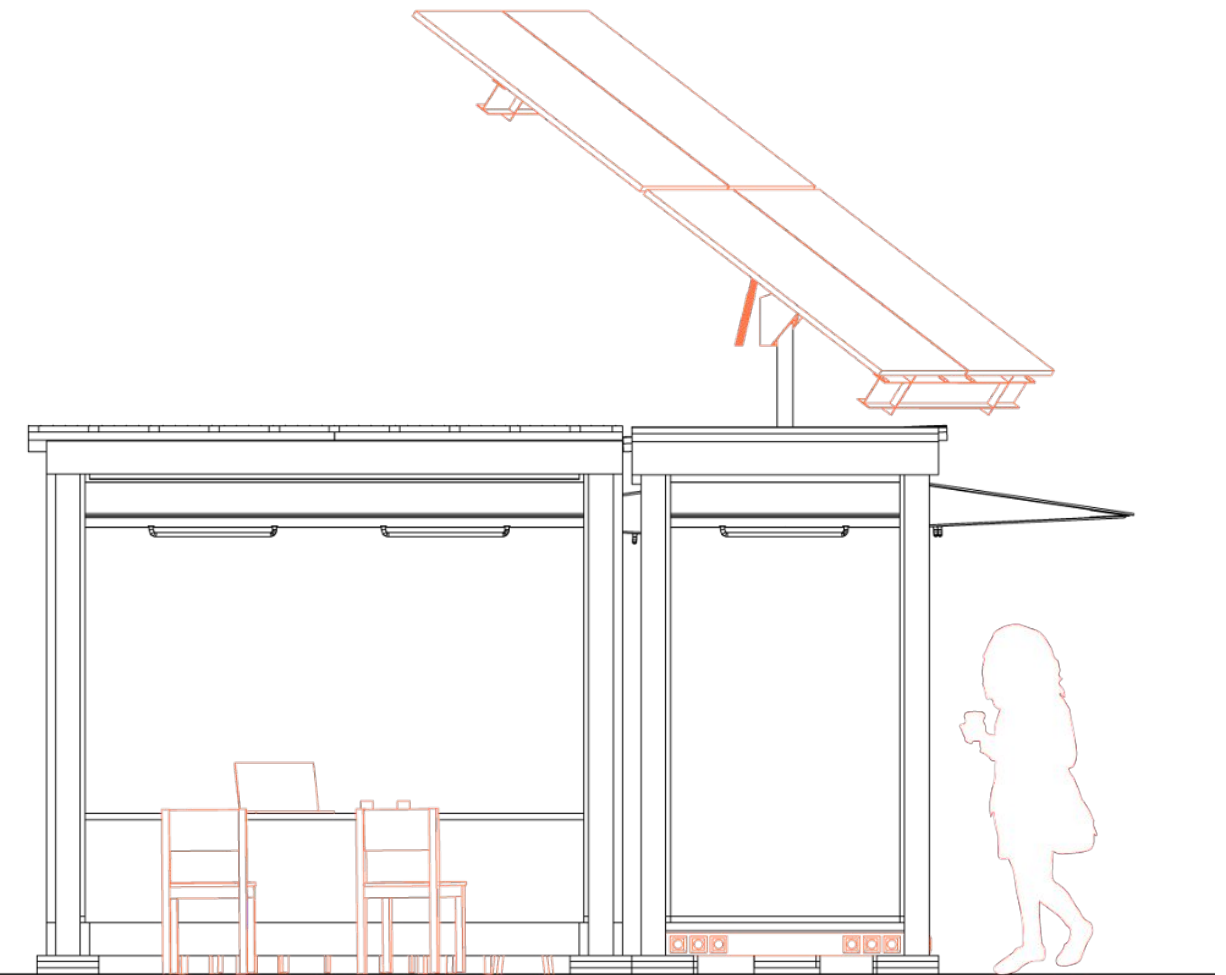
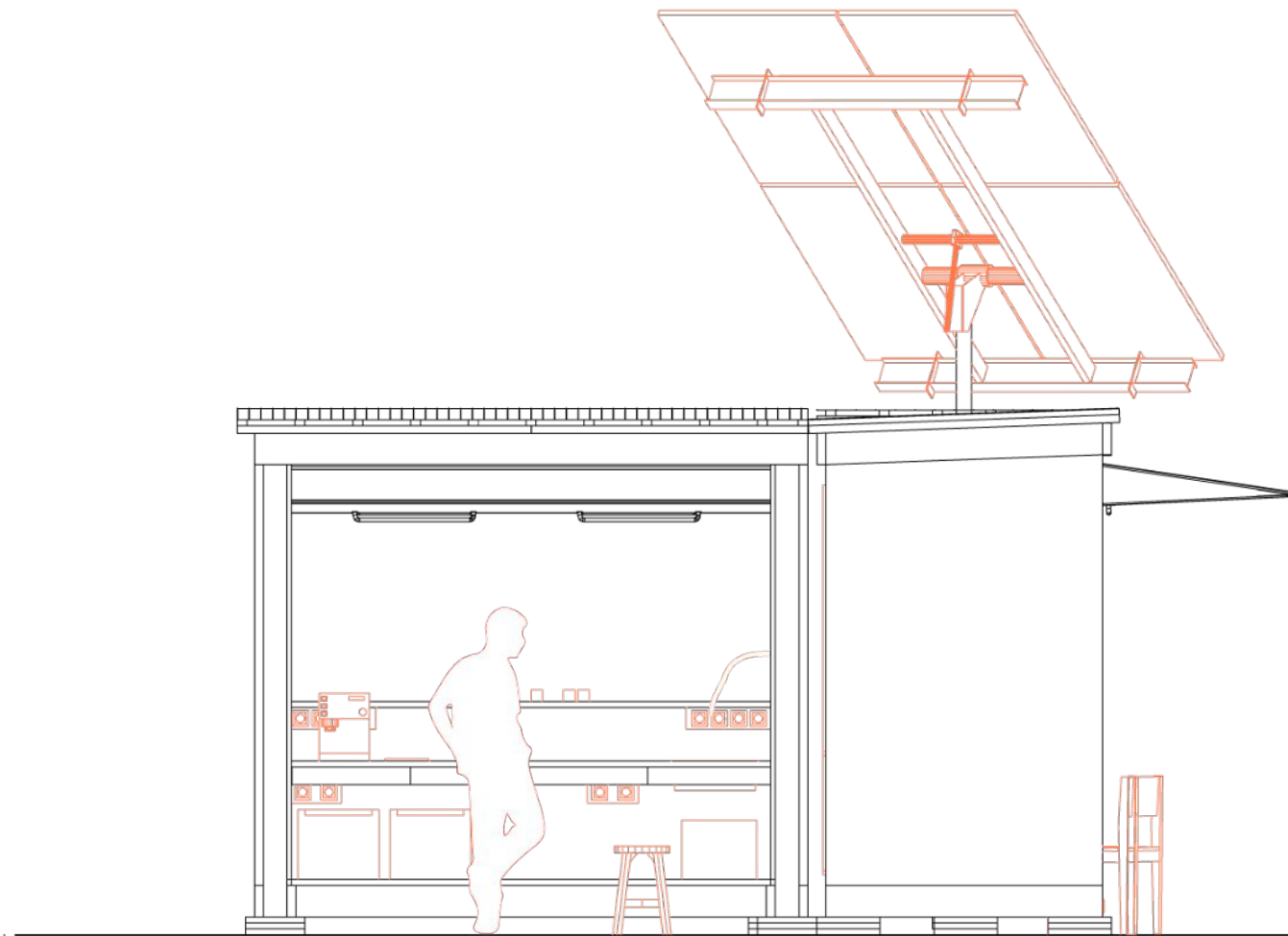
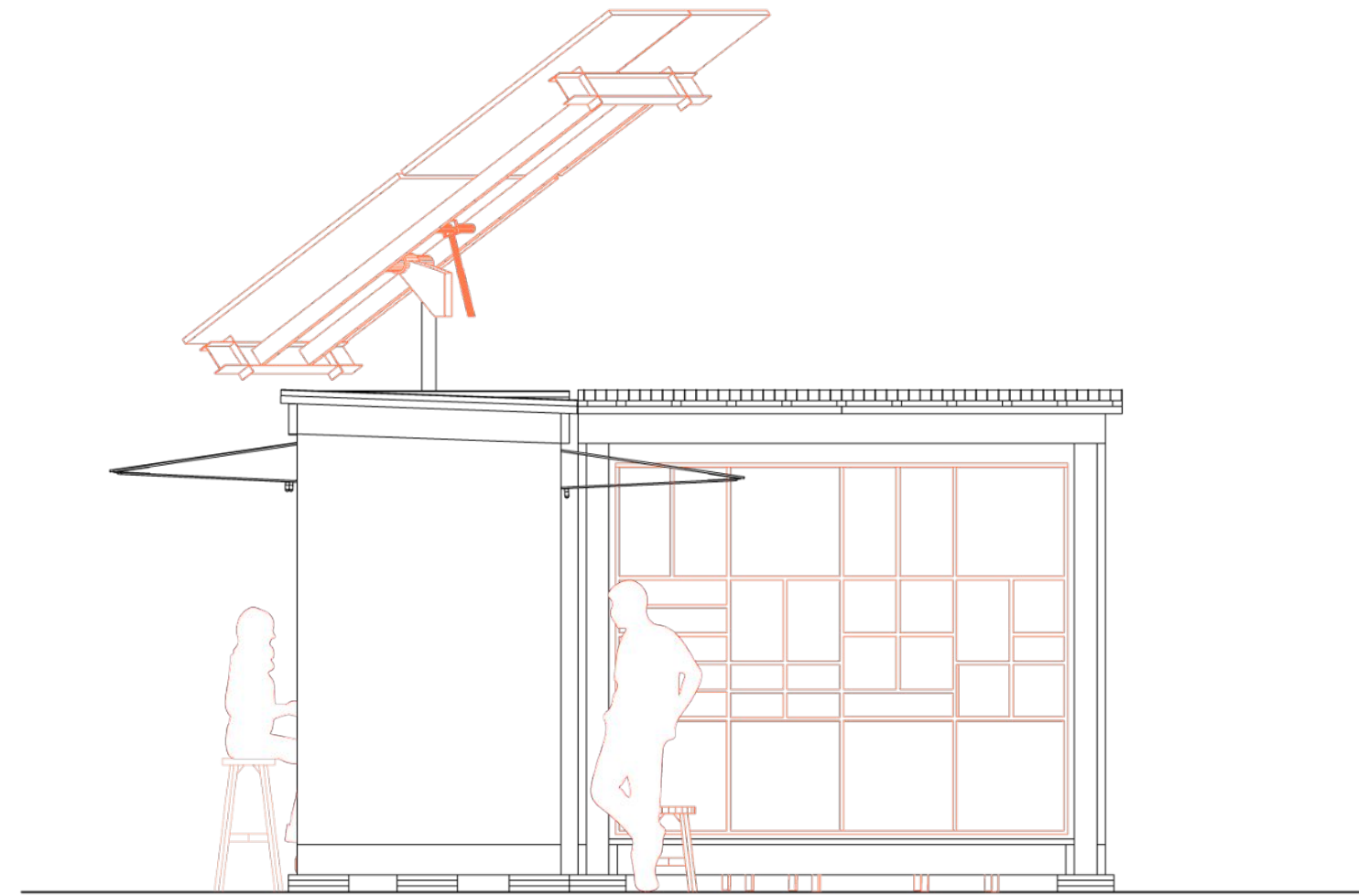
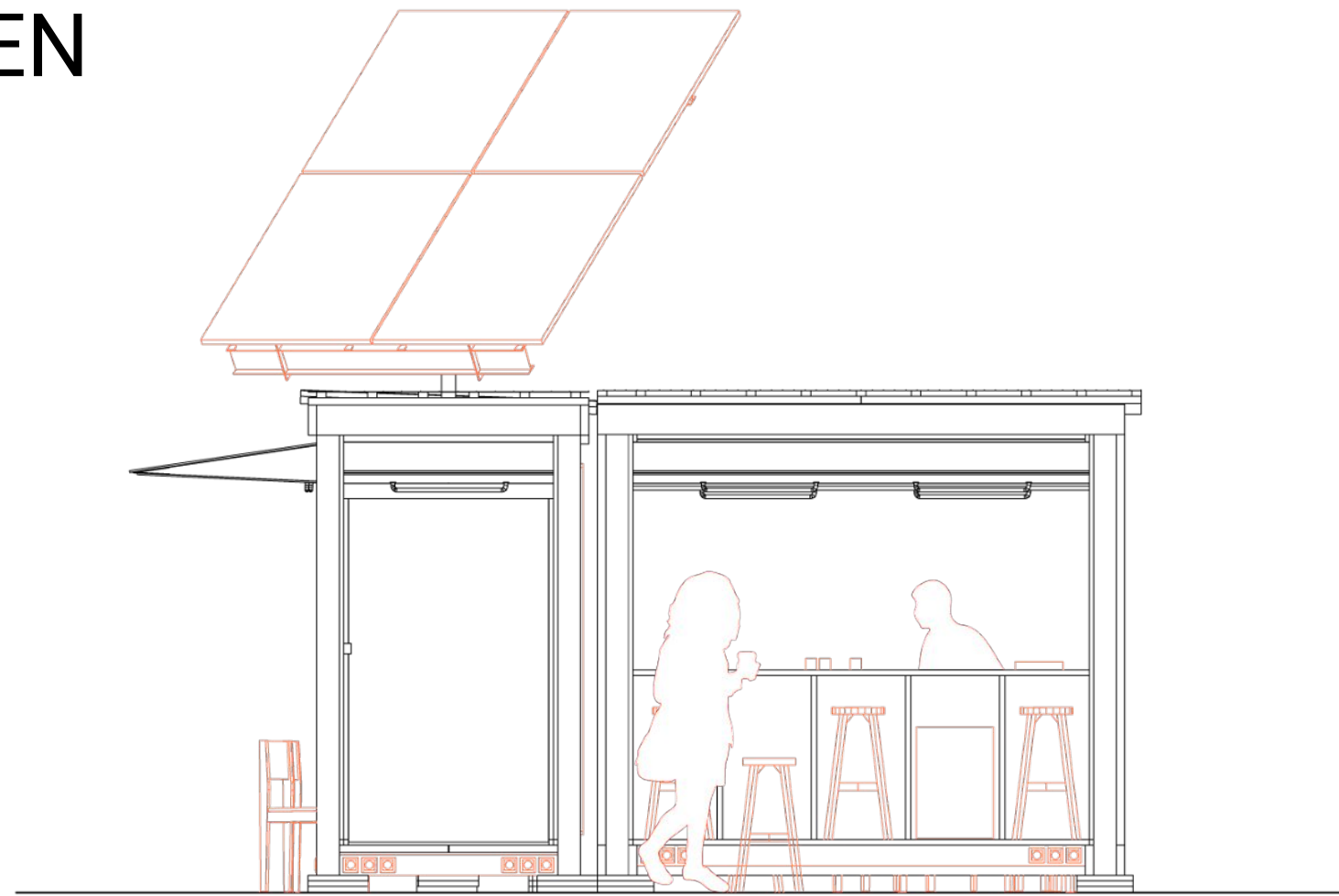
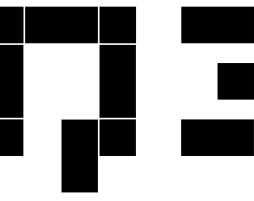


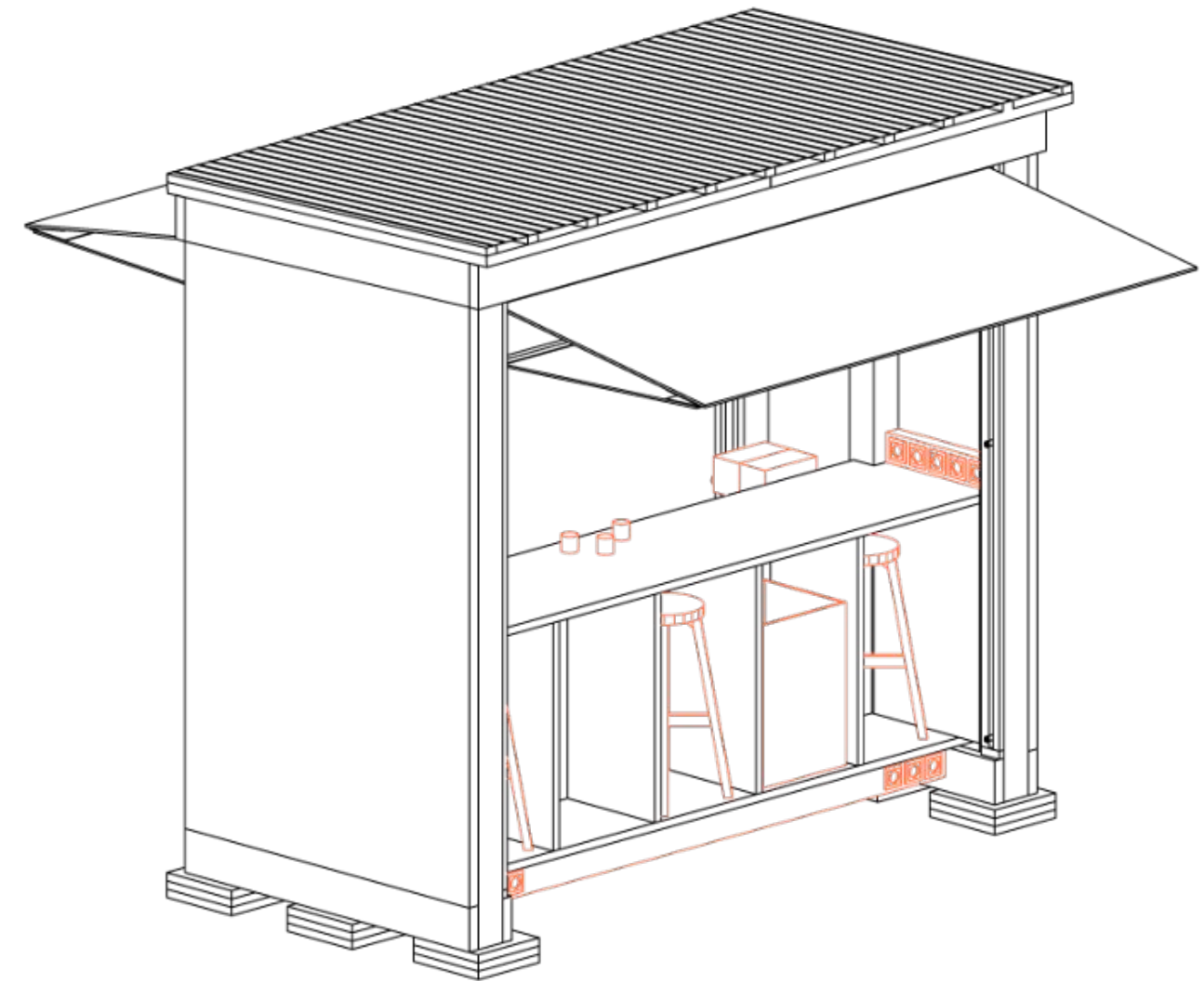
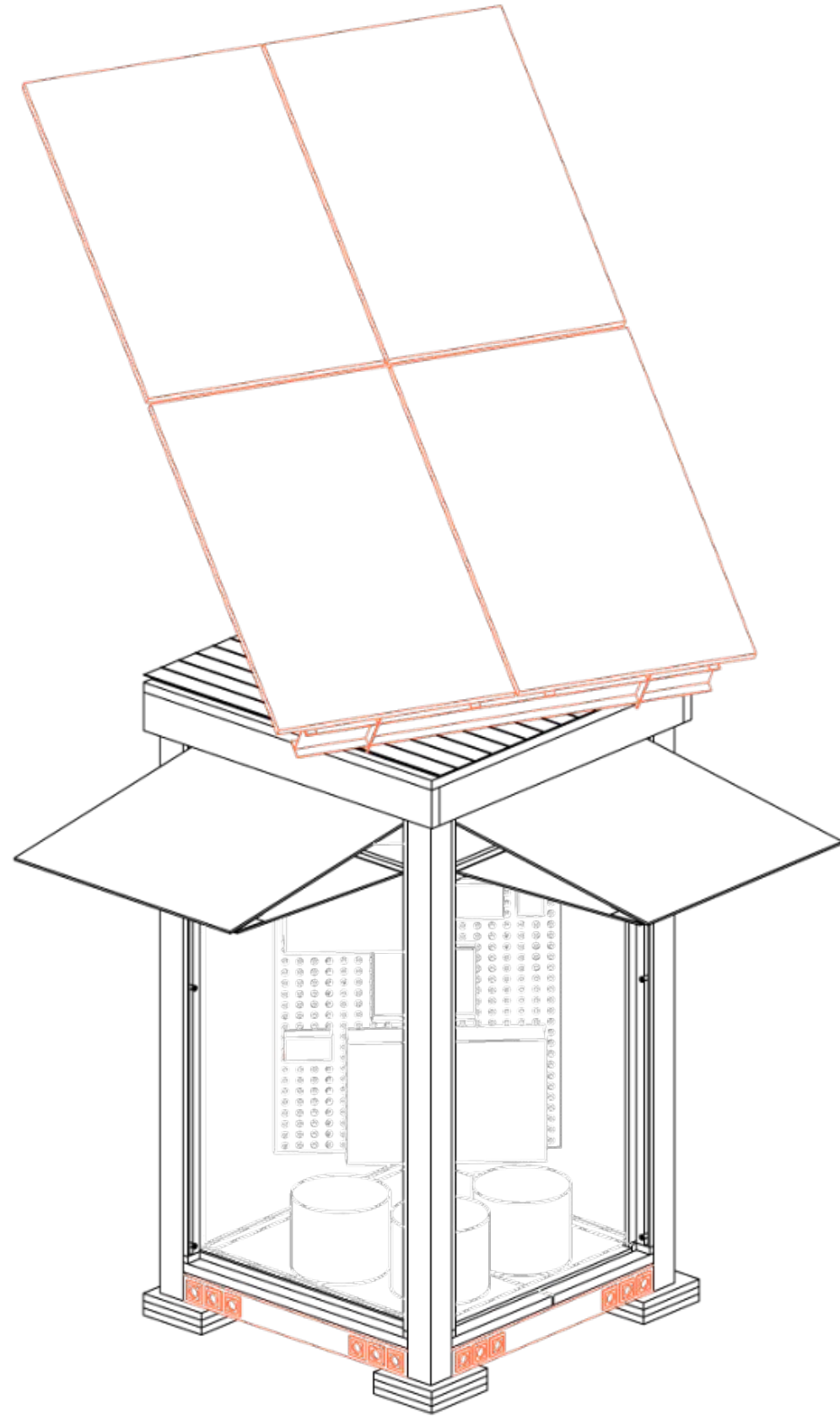


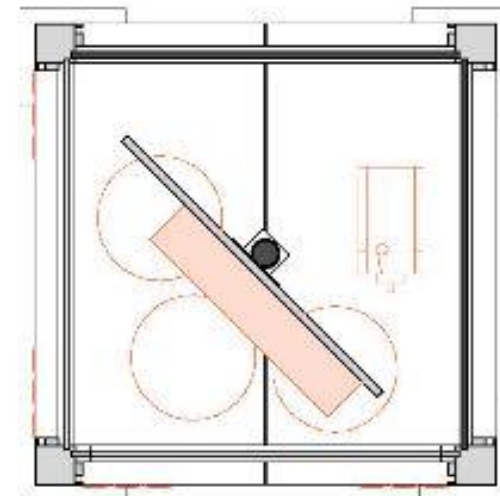
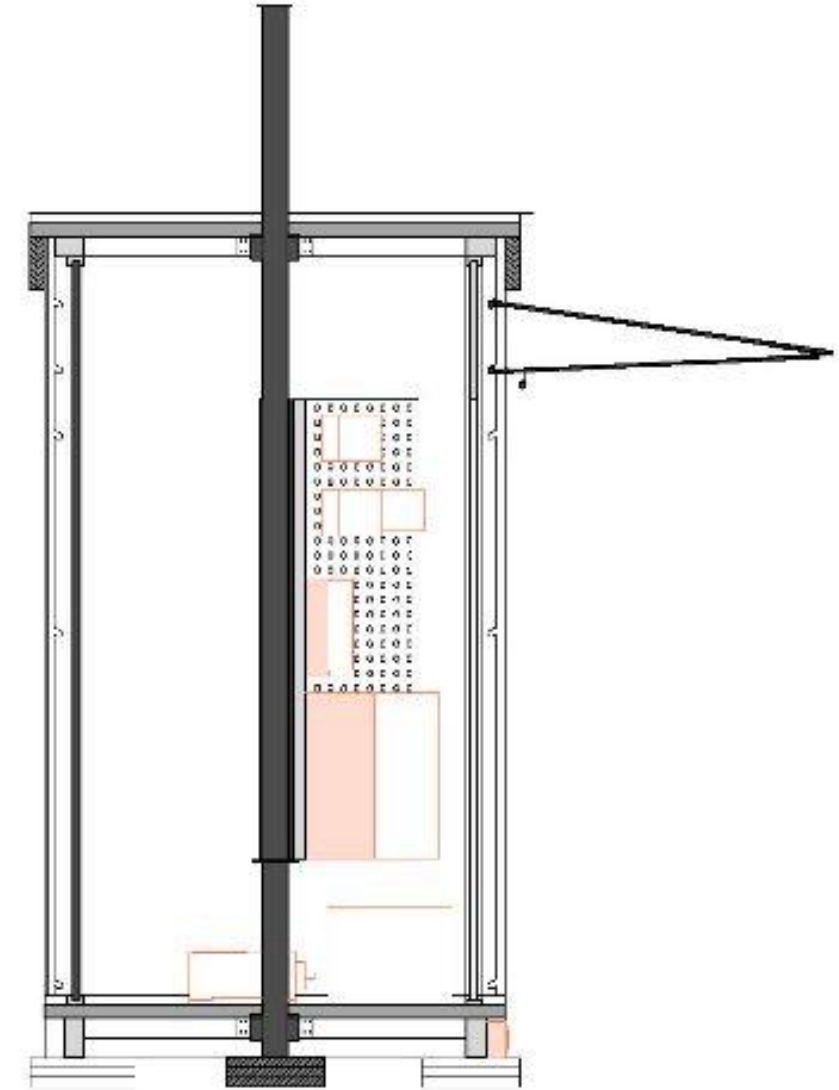
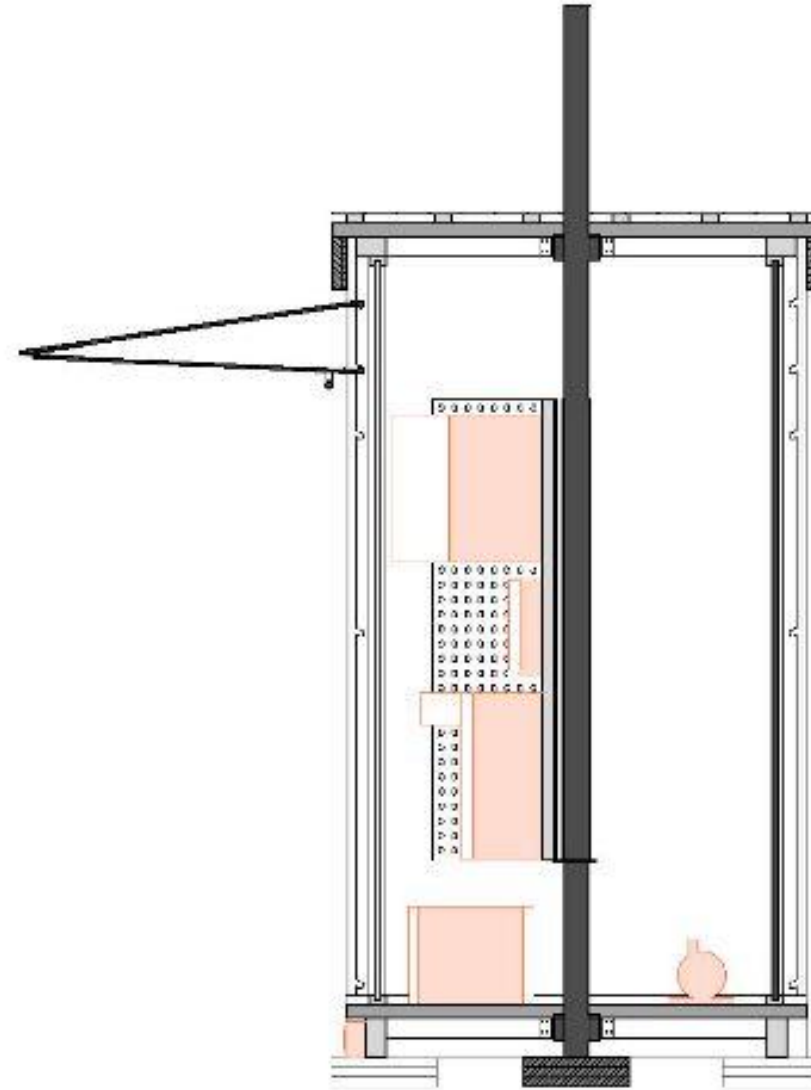
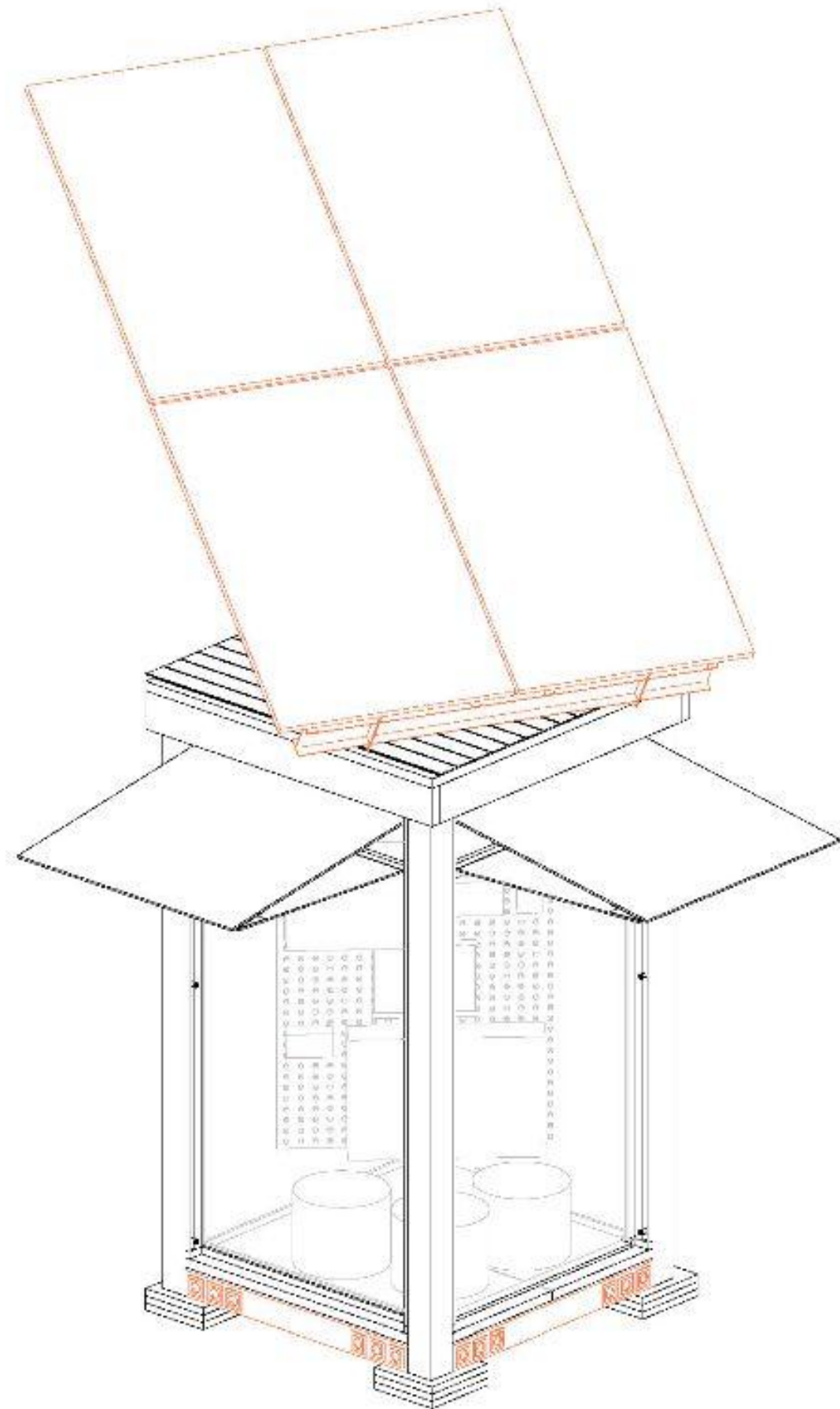
GRUNDRISS

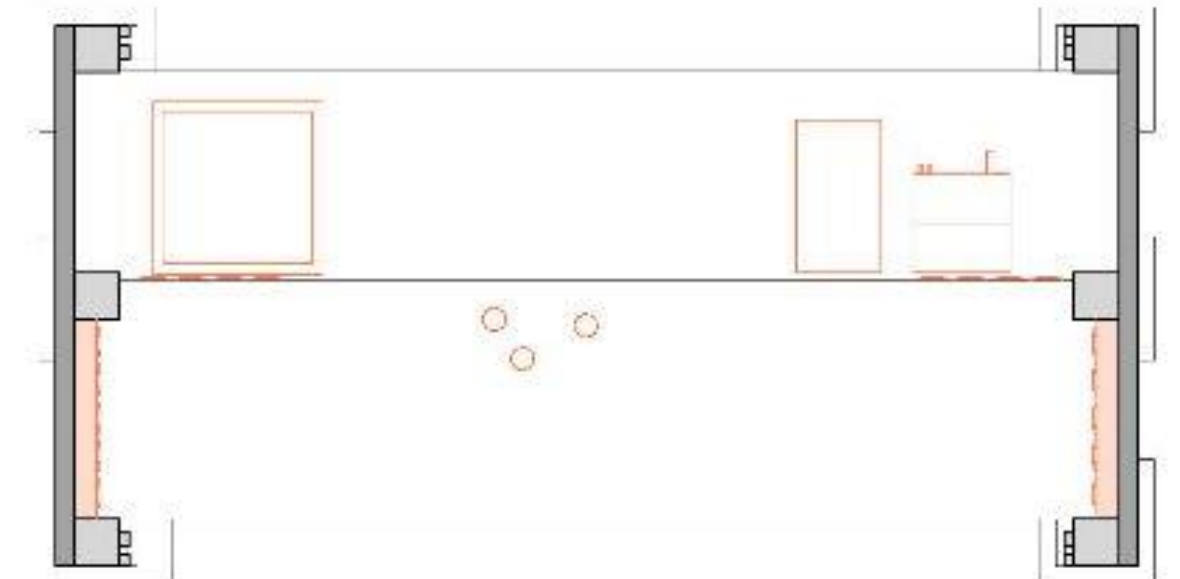
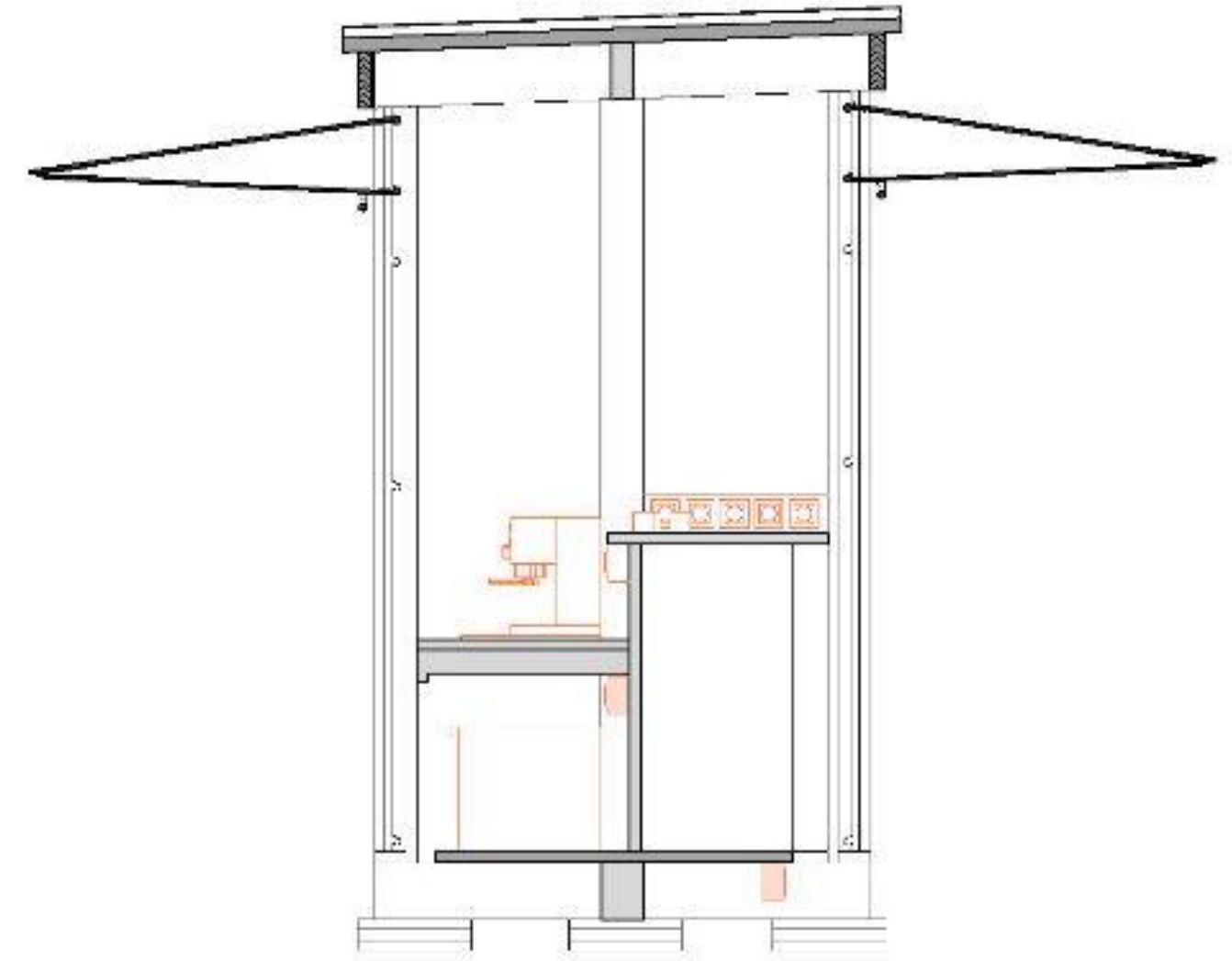
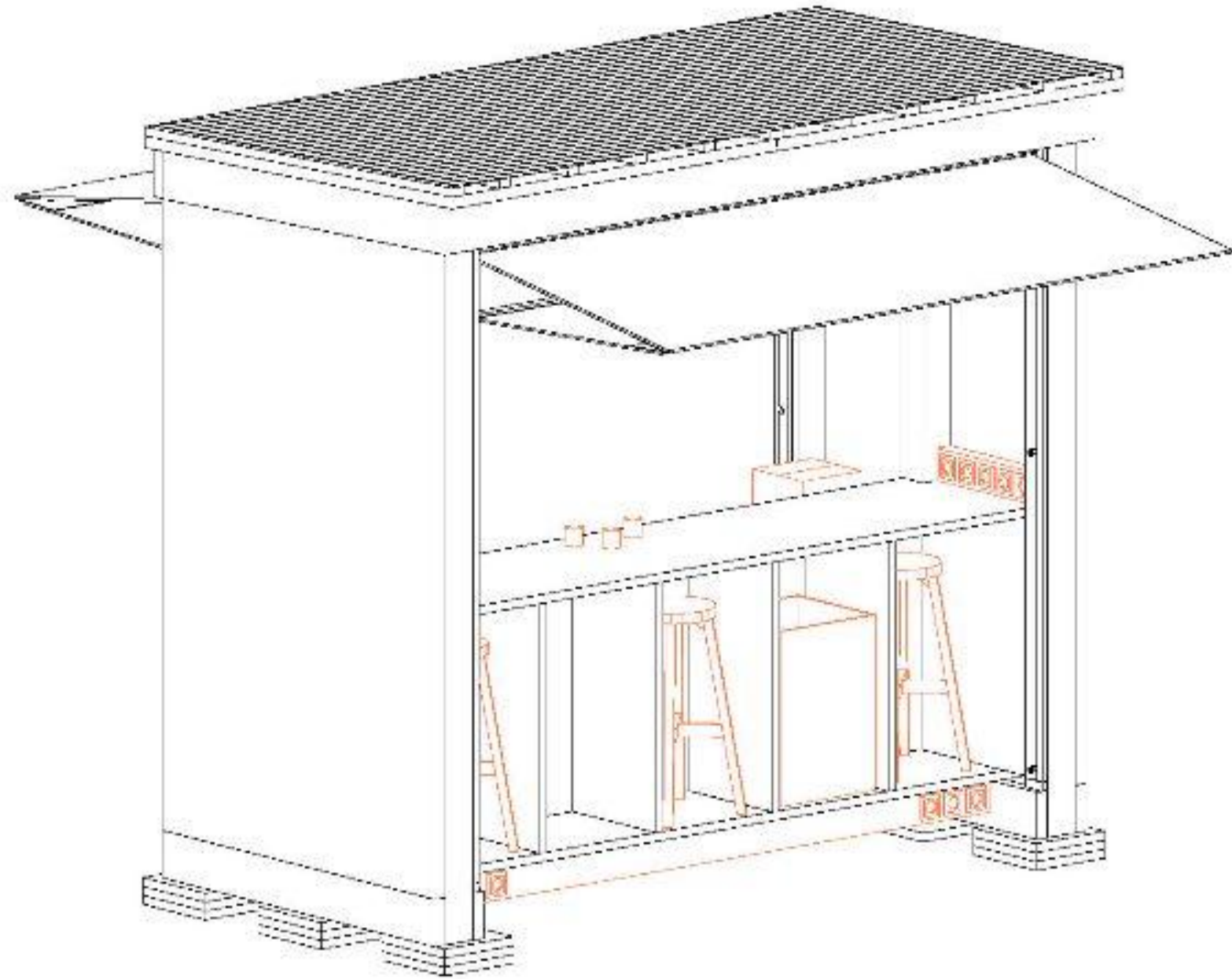


ANSICHTEN

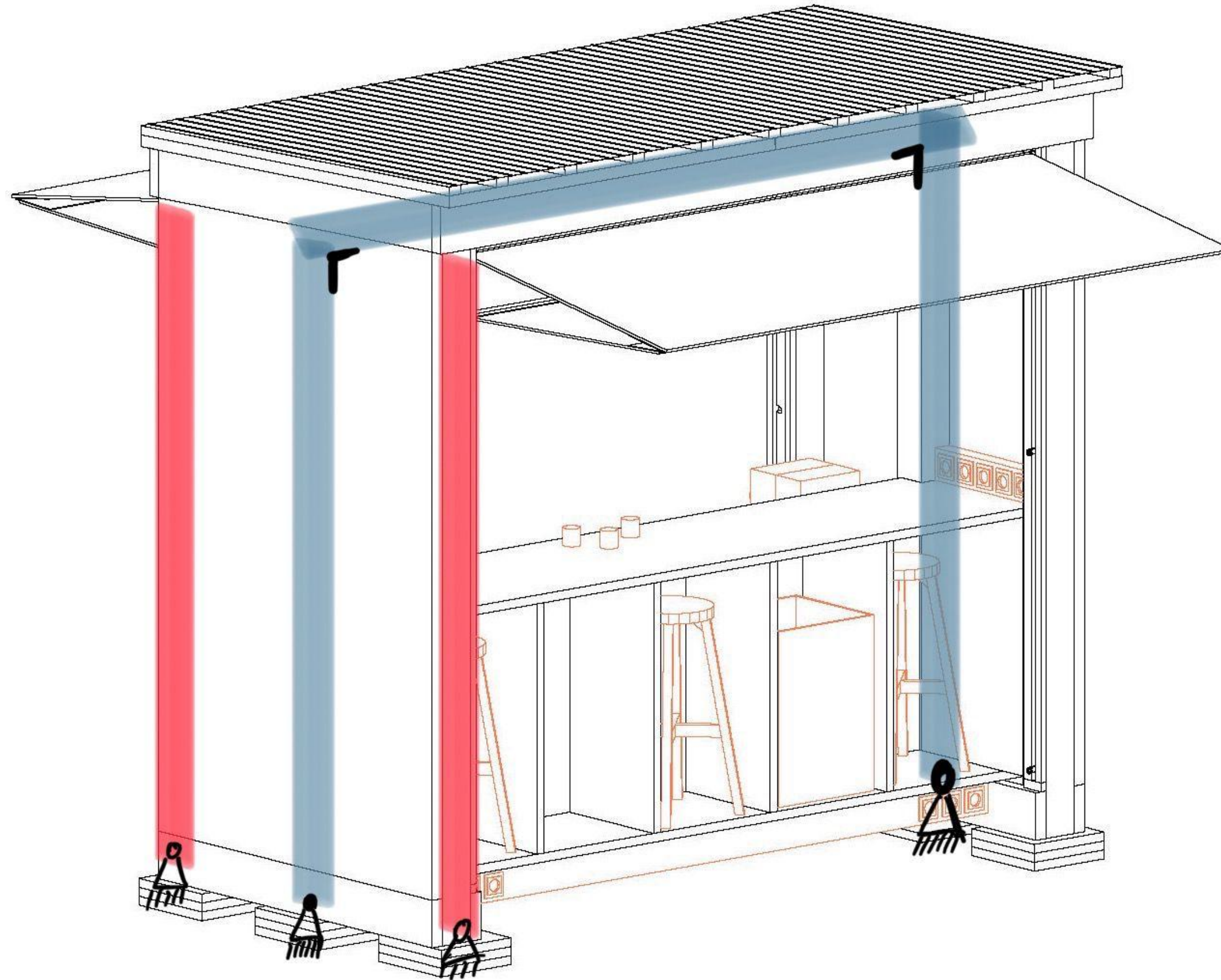
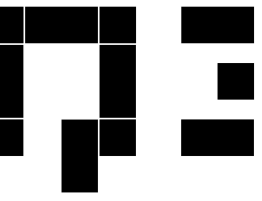




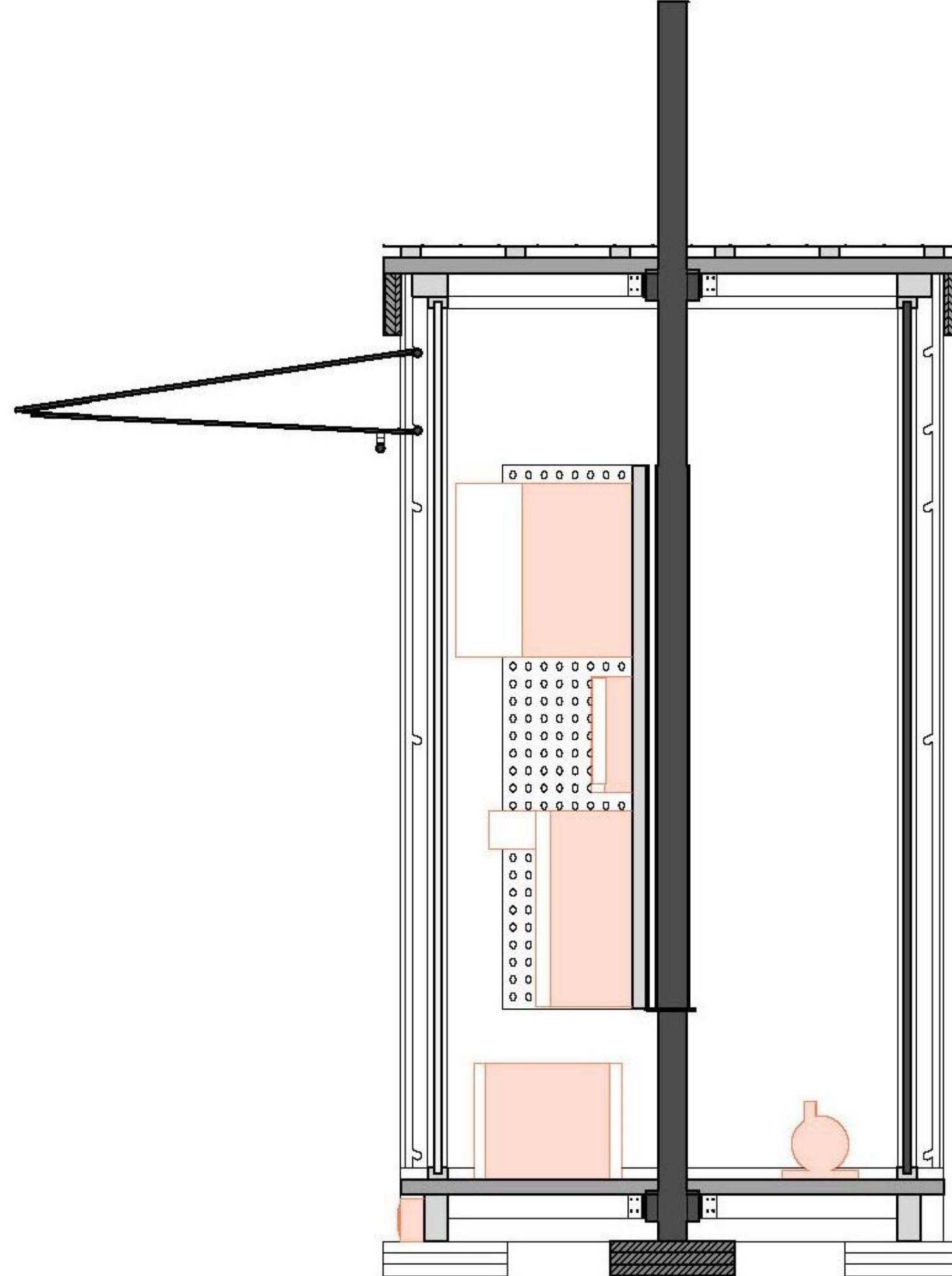
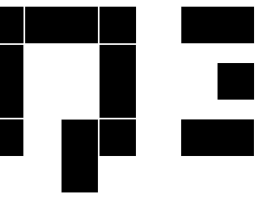


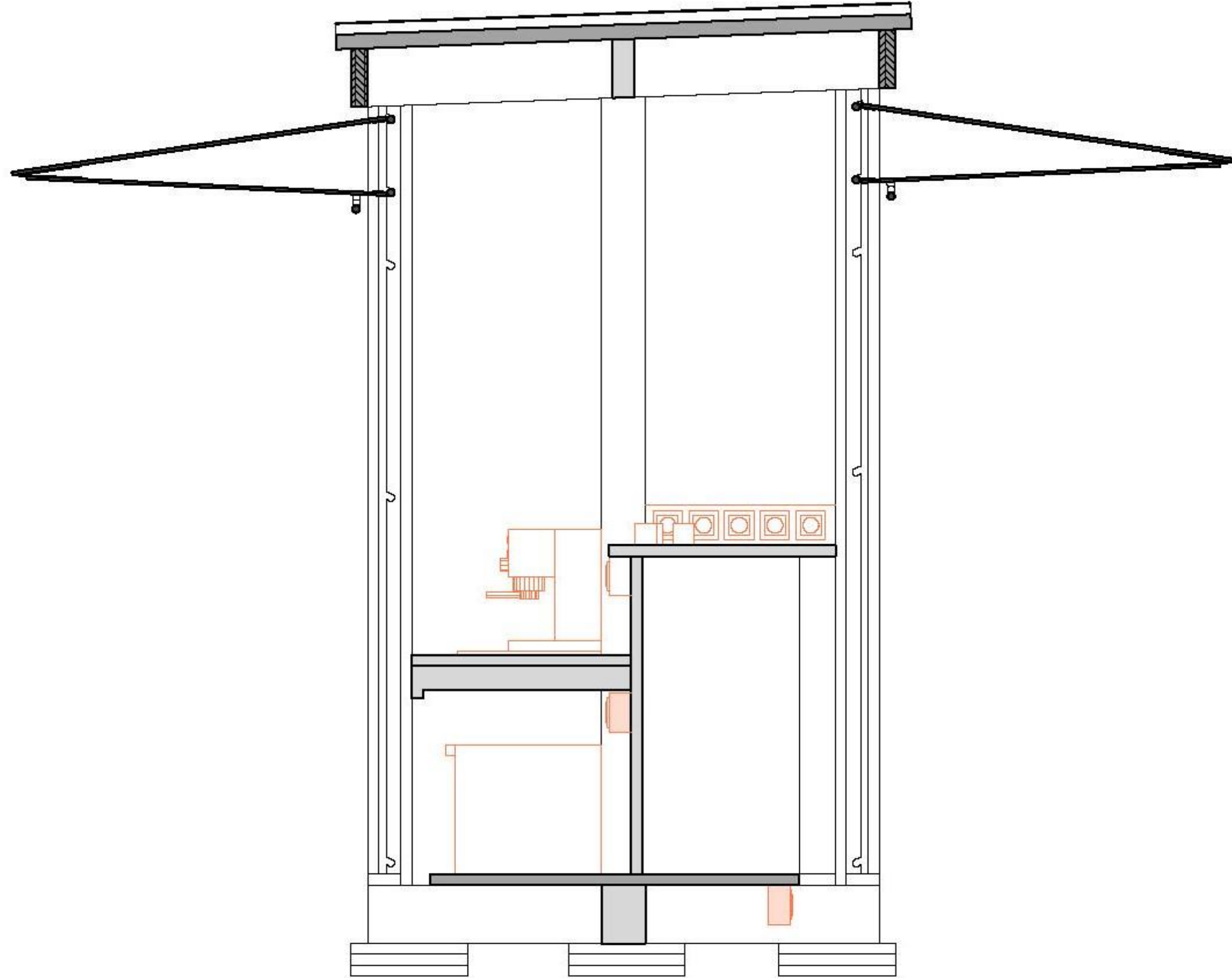


STATISCHES SYSTEM

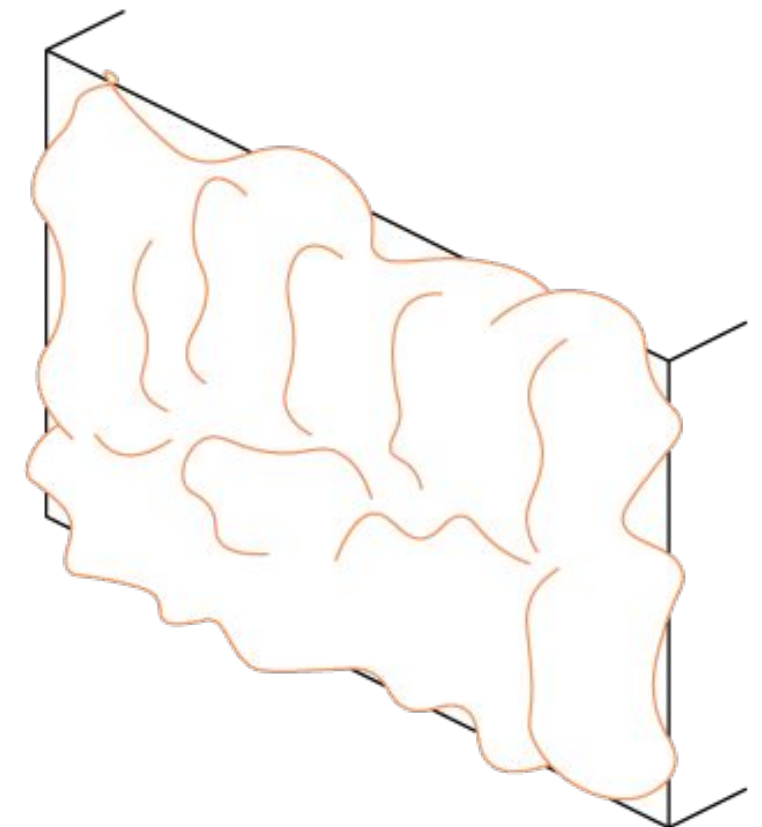
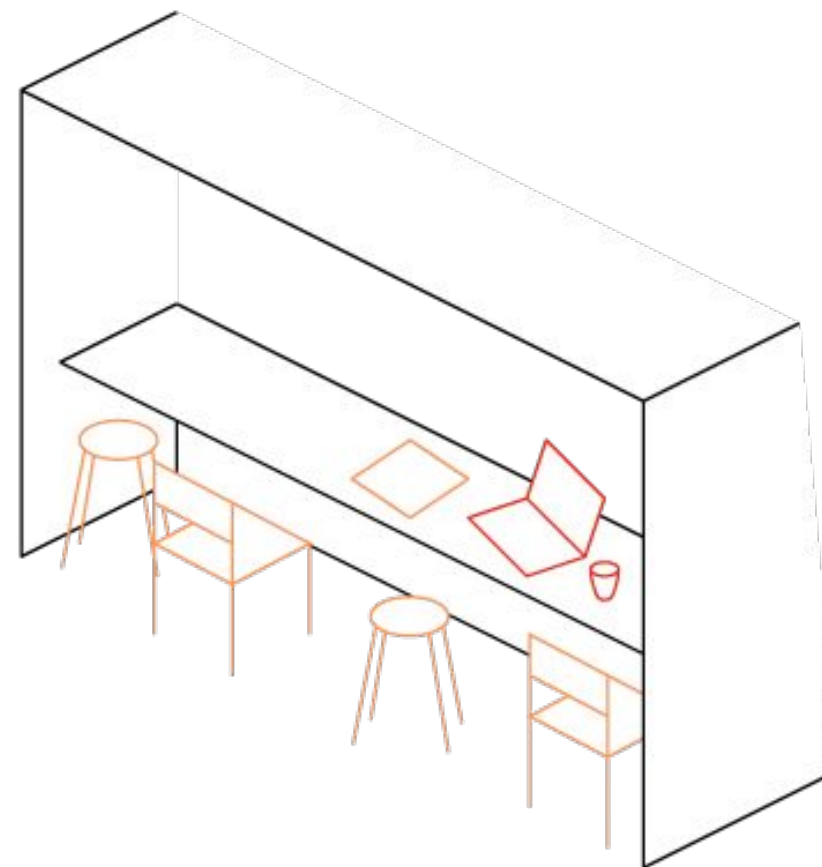
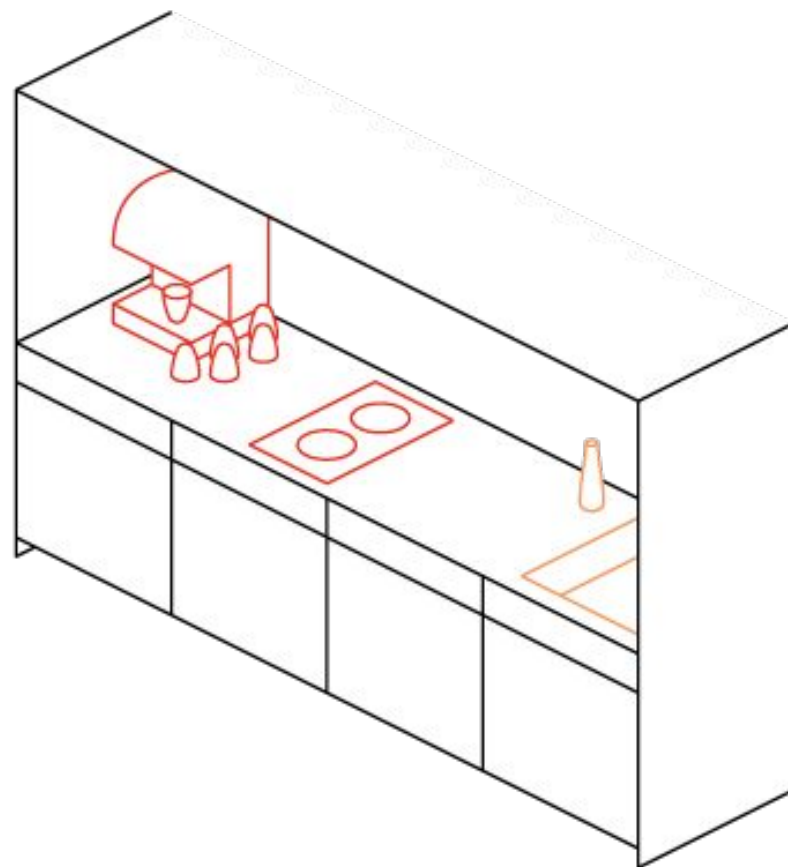
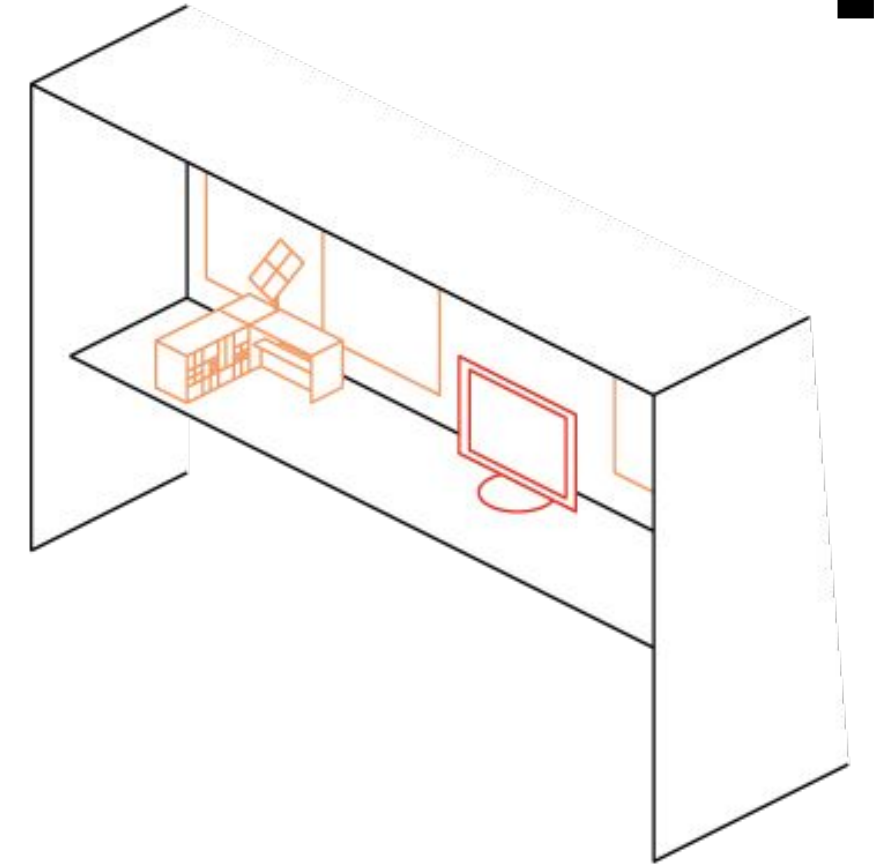
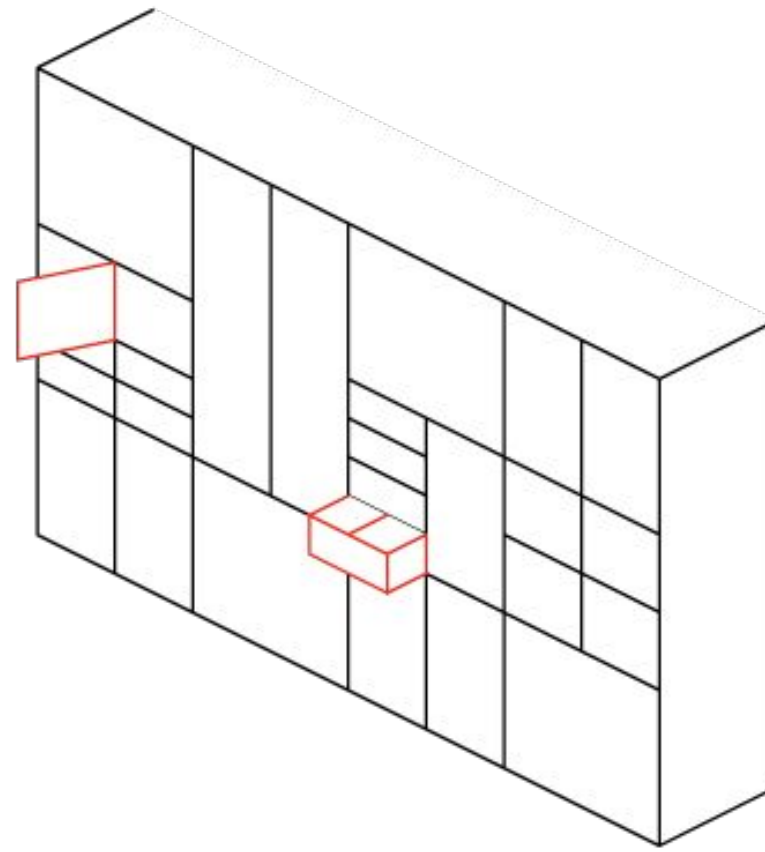
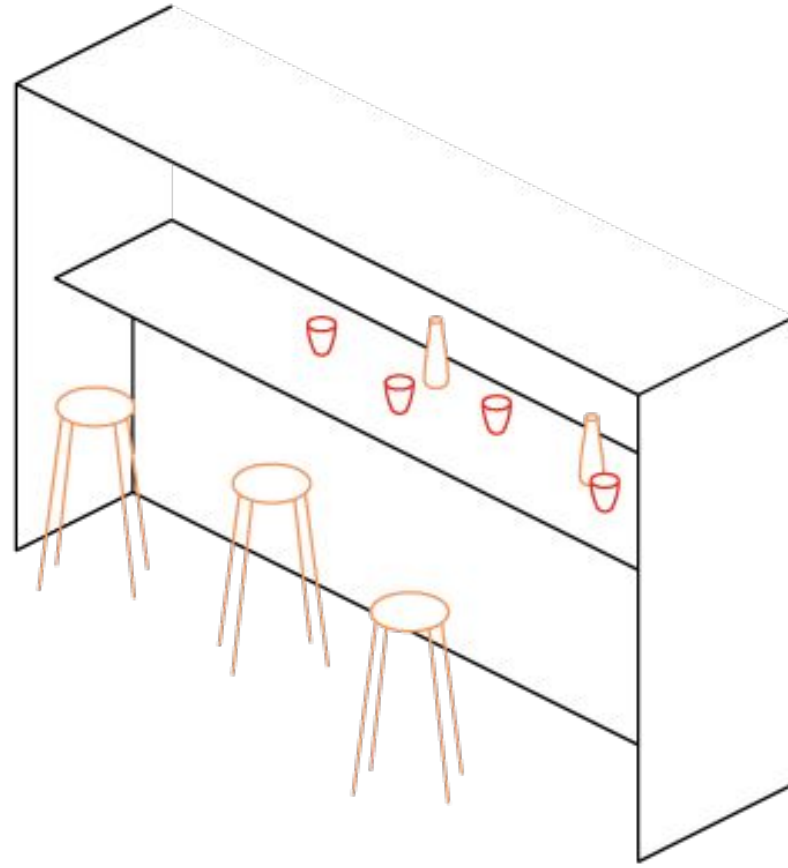
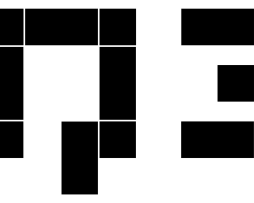


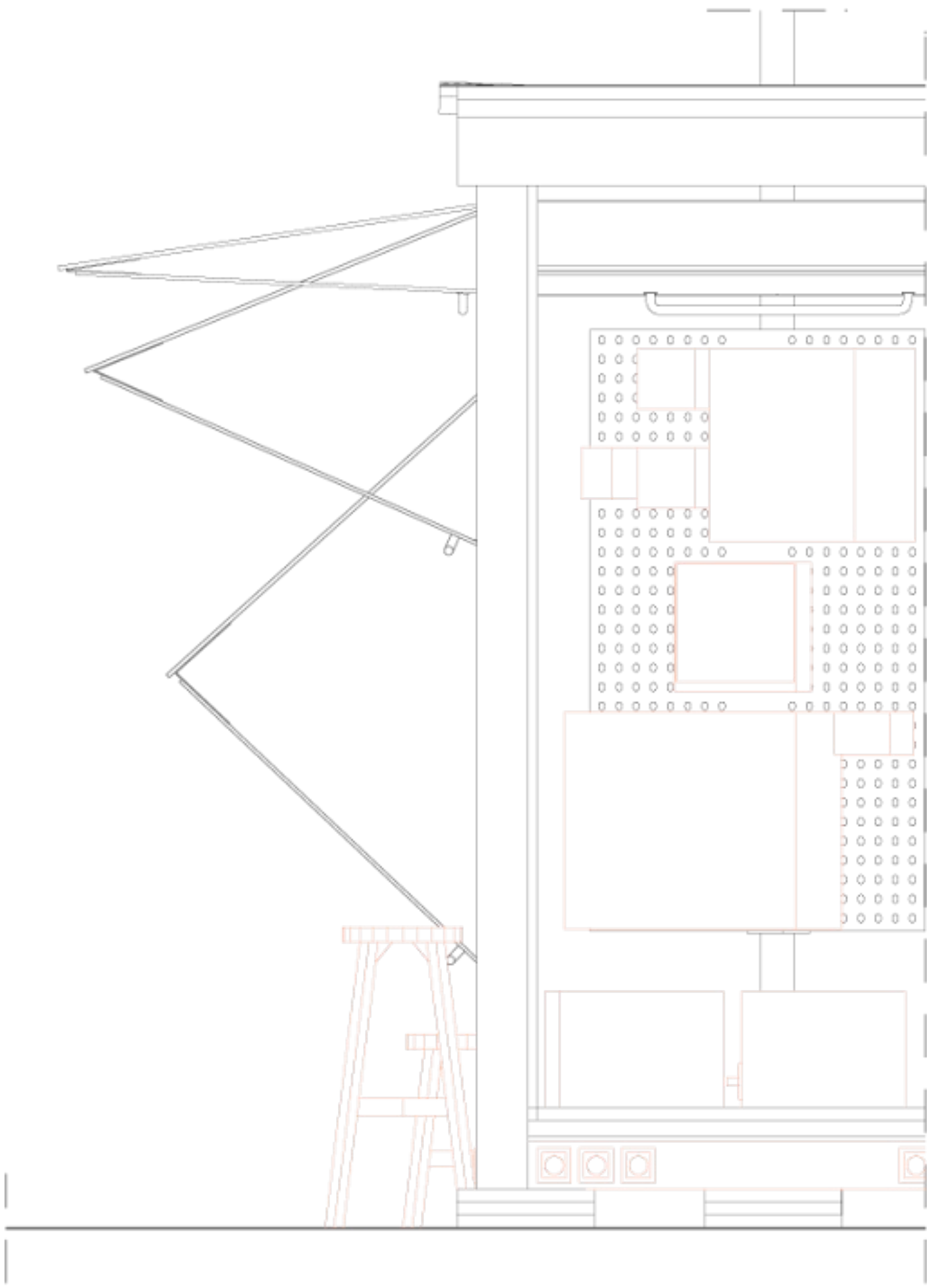
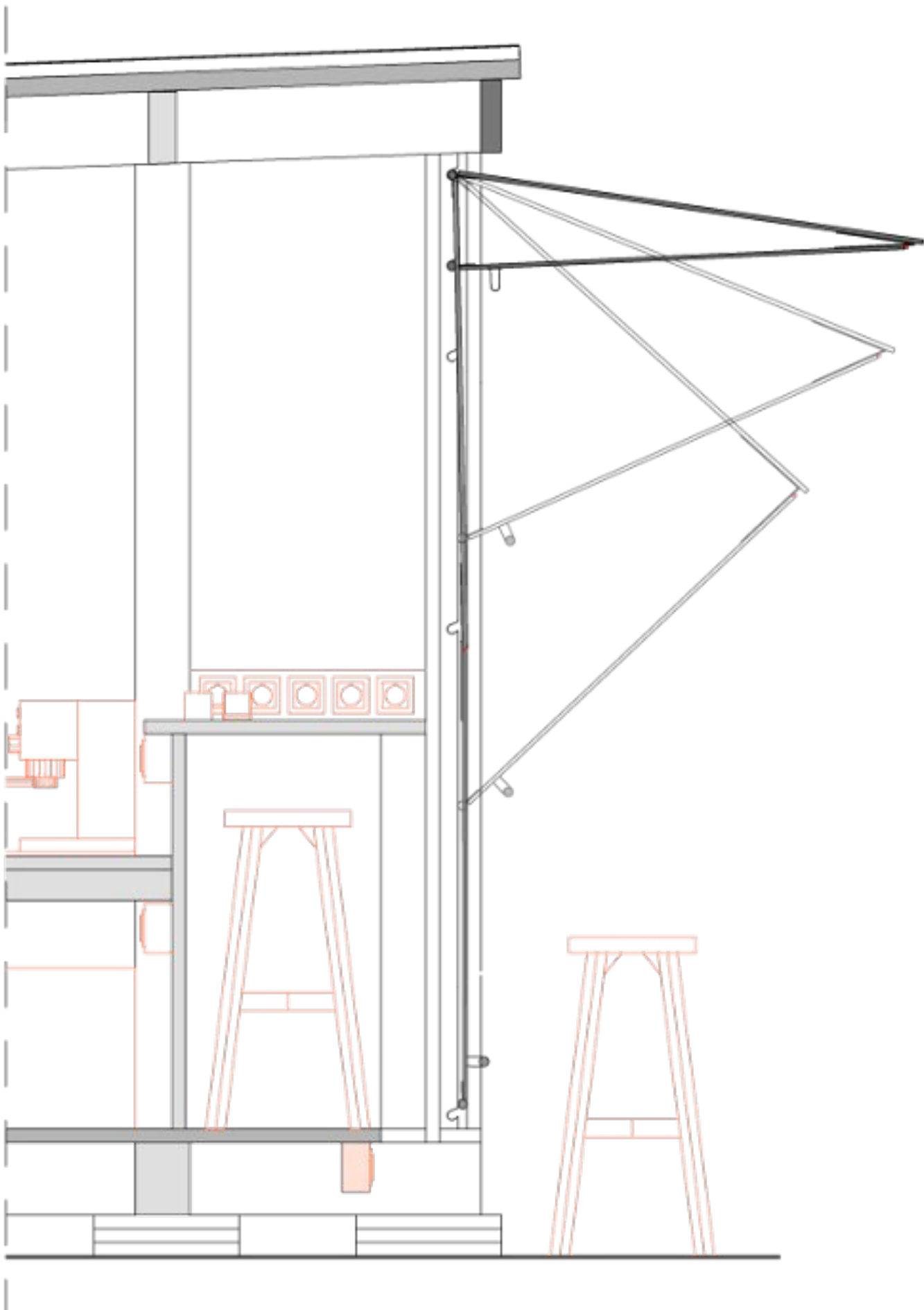
Statisches System

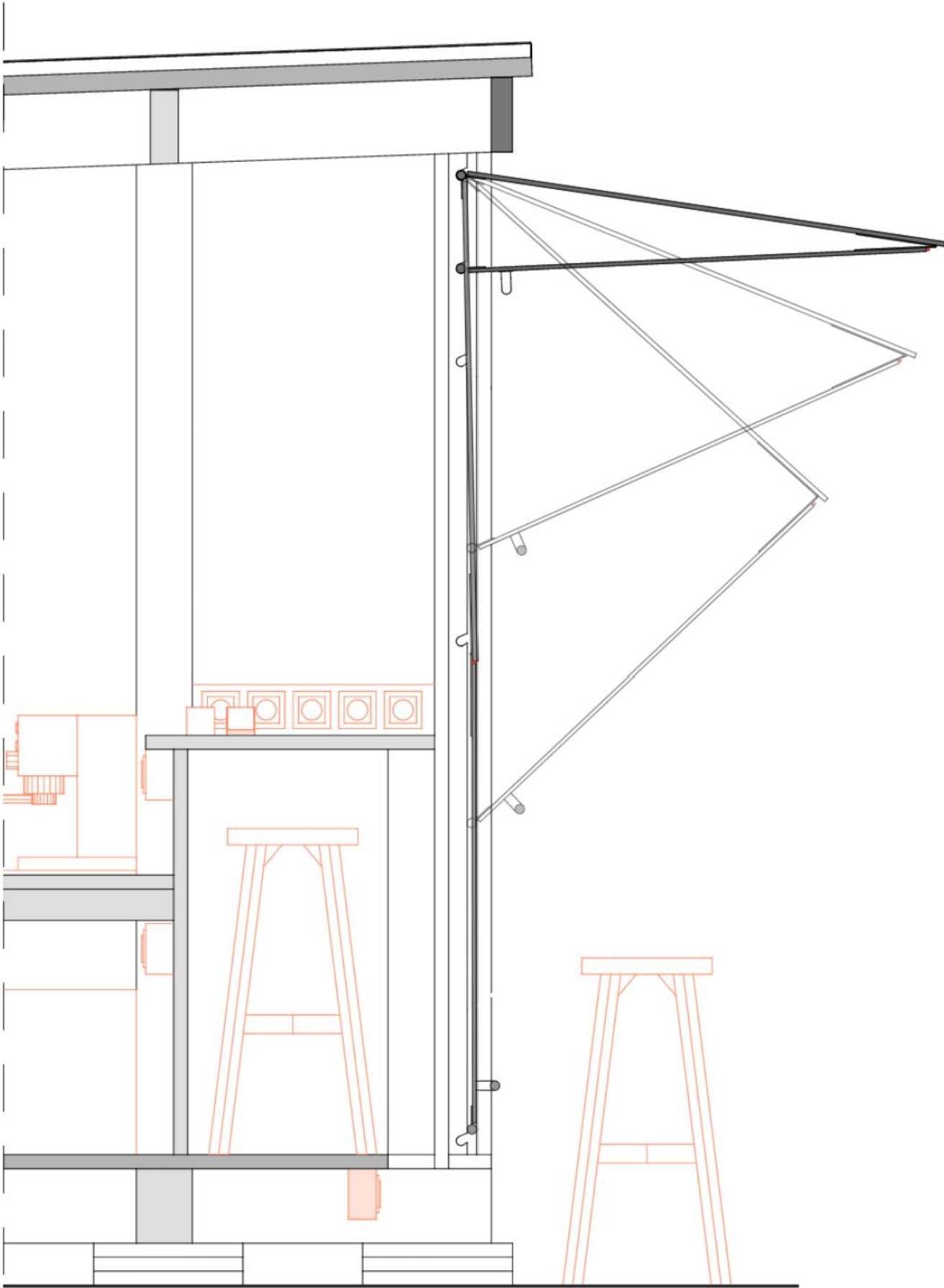




NUTZUNGSMODULE







**ICH BIN EIN
CAFÉ**

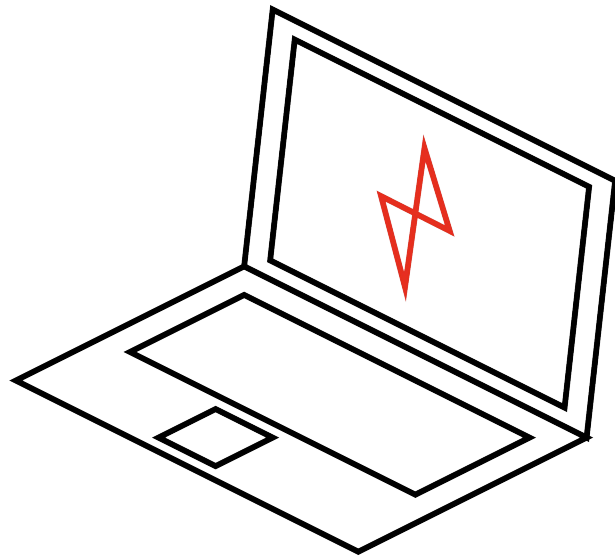
**TECH
TECH**

**TECH
NIK**

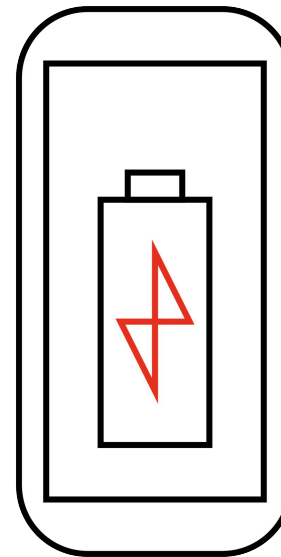
**LASS DICH
NICHT STÖREN**

Energiekonzept

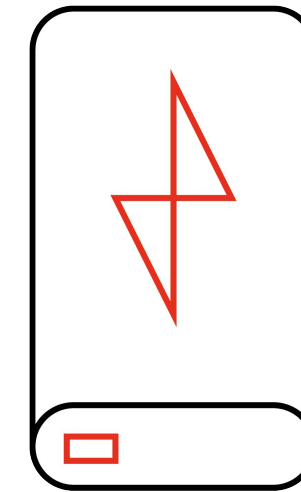




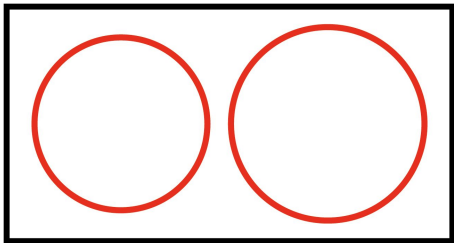
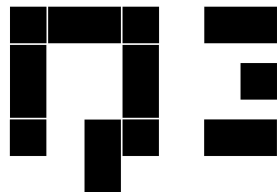
45 W



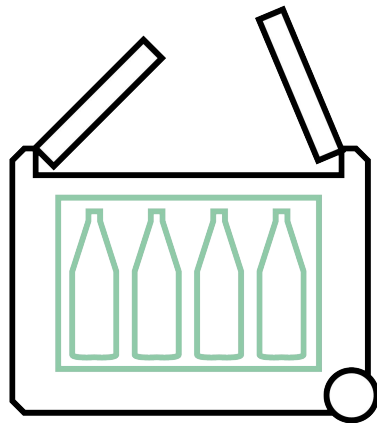
3 W



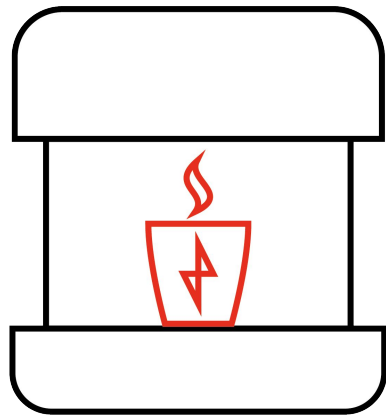
10 W



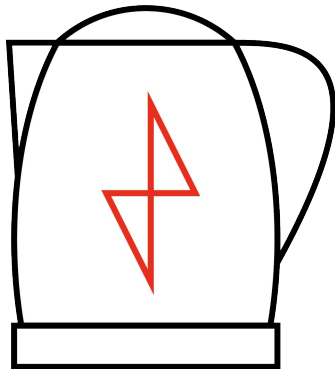
2000 W



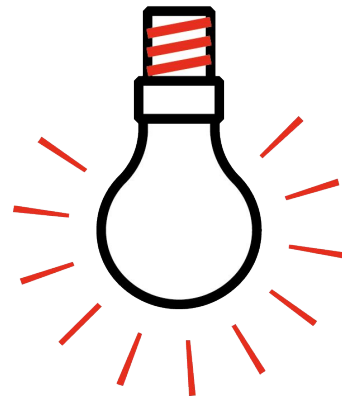
48 W



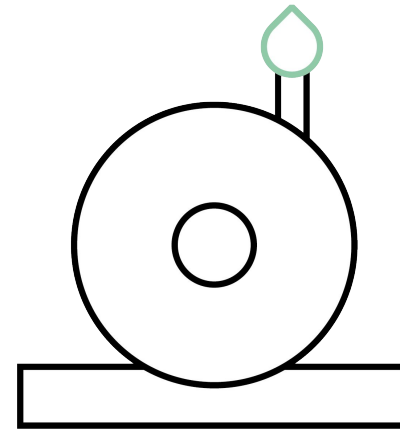
2000 W



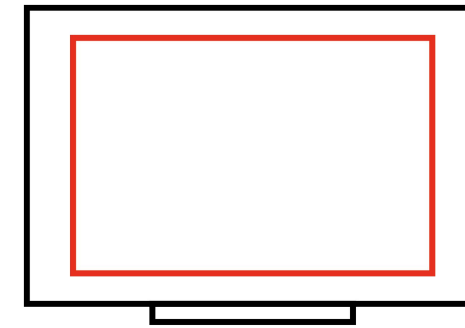
48 W



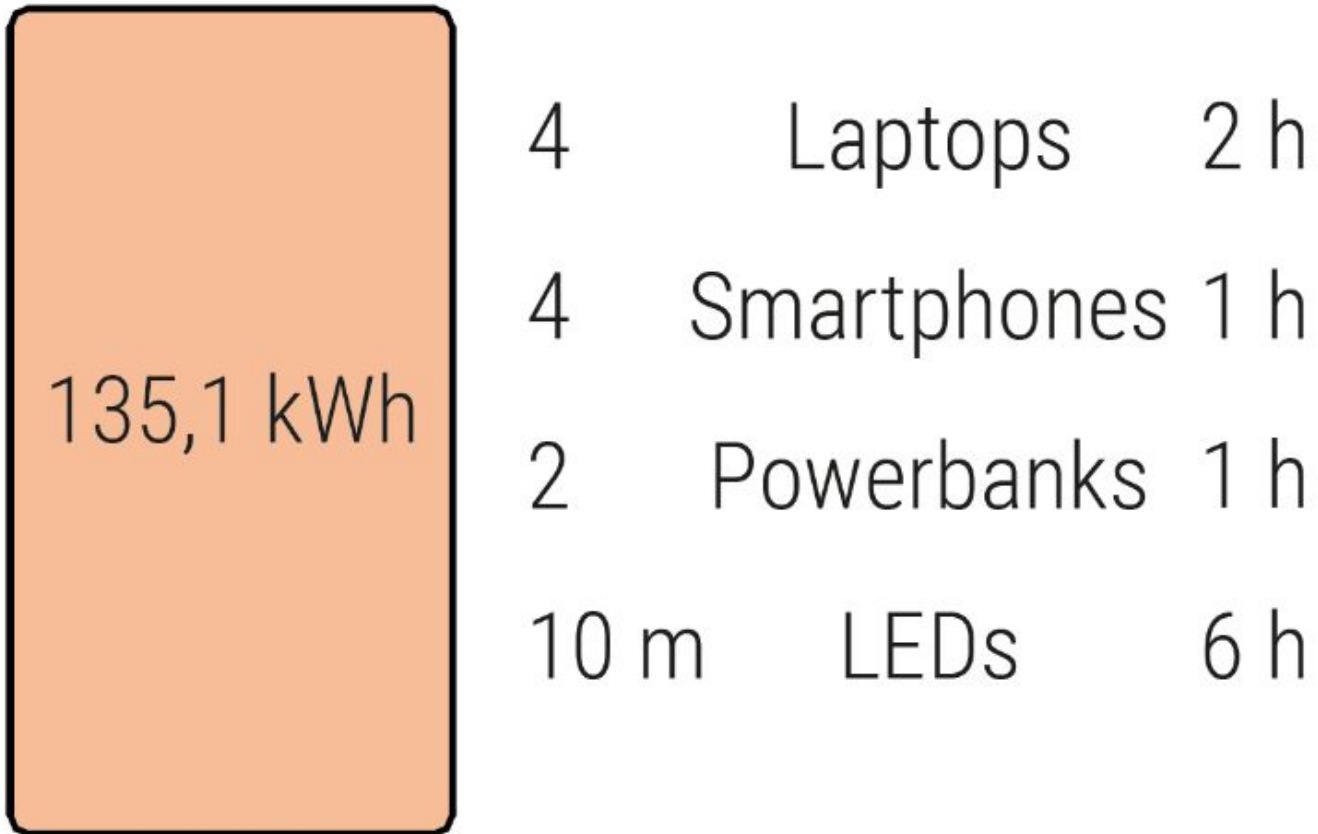
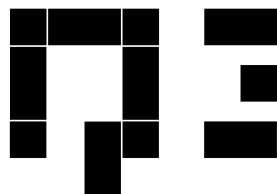
10 W/m



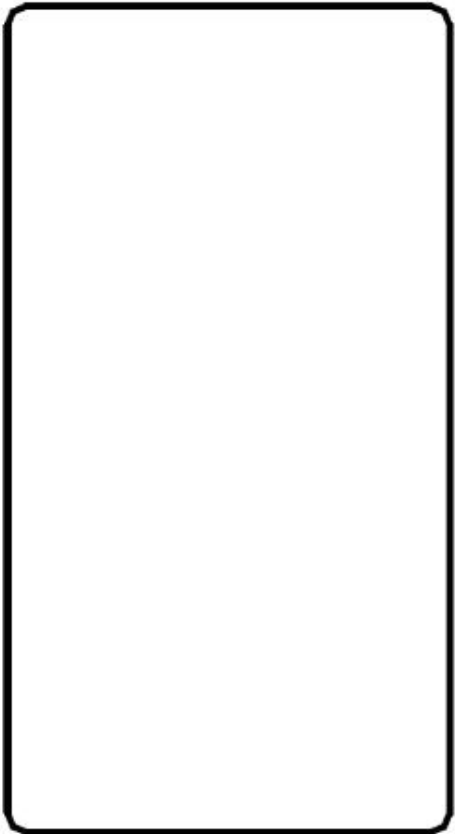
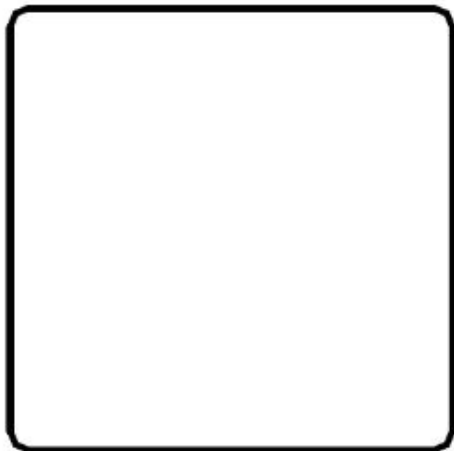
550 W



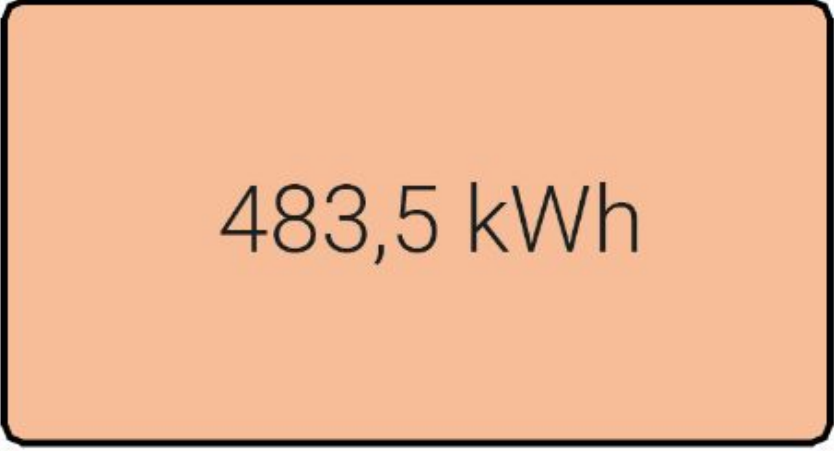
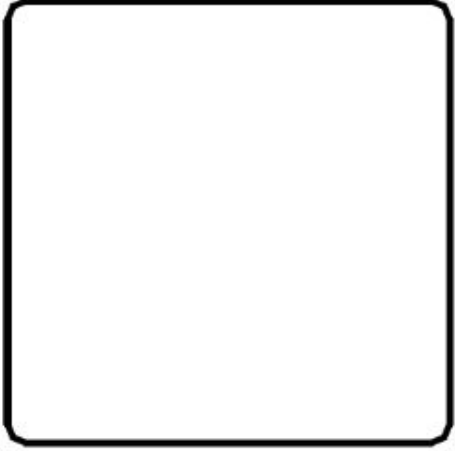
30 W

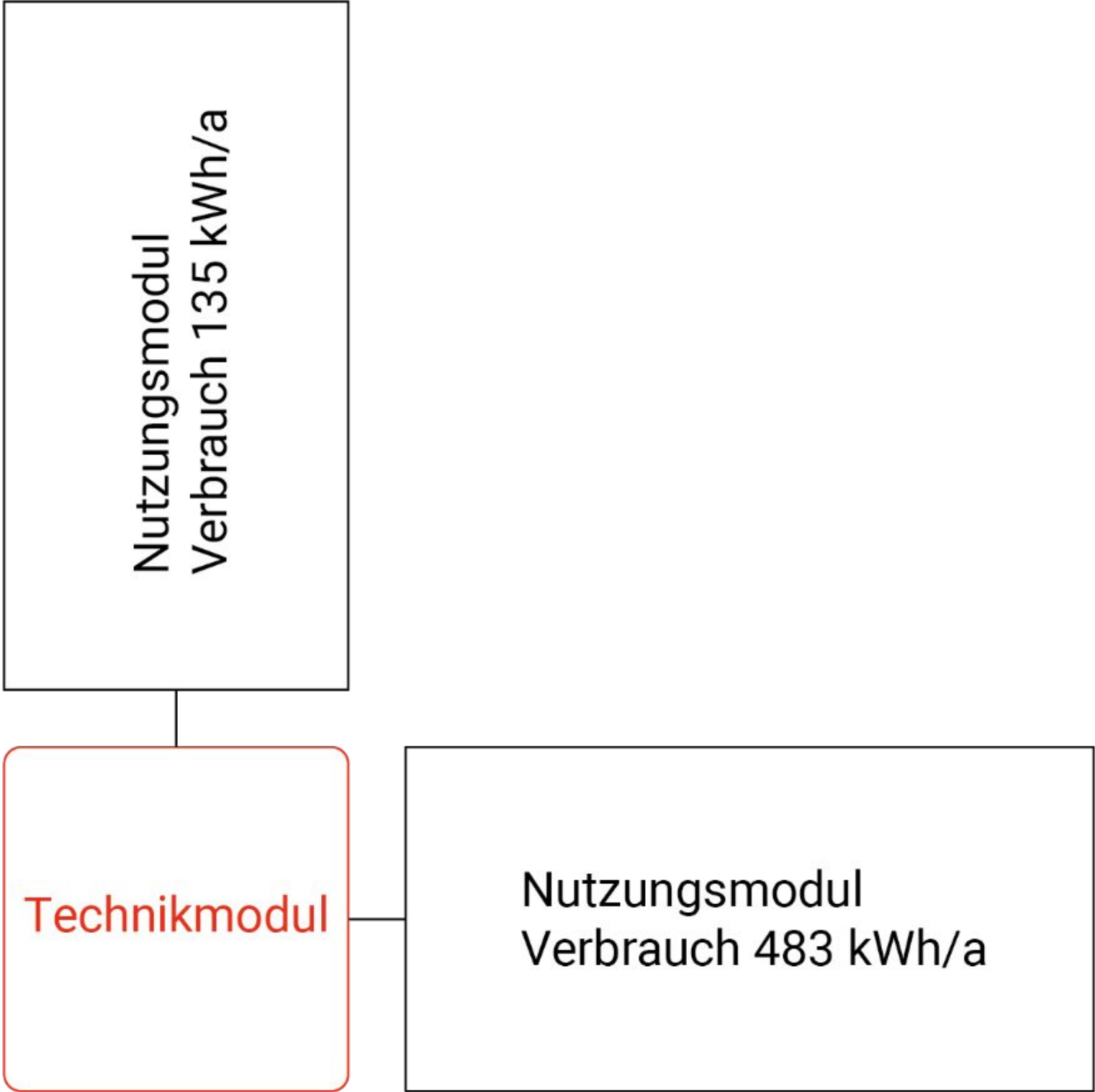
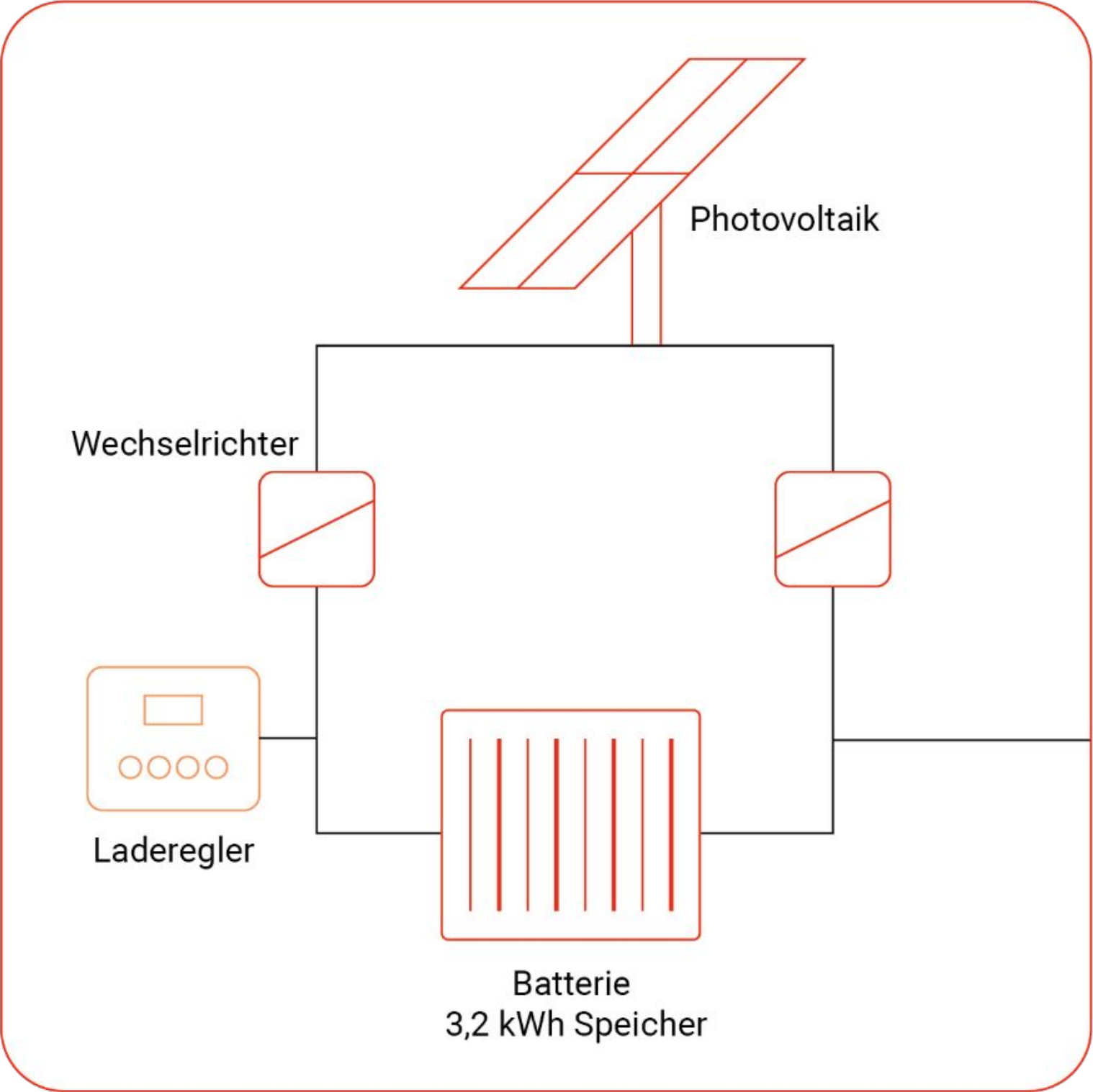
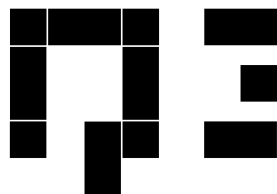


- 4 Laptops 2 h
- 4 Smartphones 1 h
- 2 Powerbanks 1 h
- 10 m LEDs 6 h

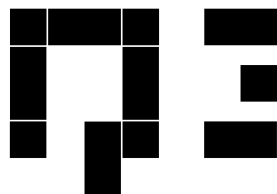


- 1 Kaffeemaschine 3 h
- 1 Wasserkocher 1 h
- 1 Kochfeld 1 h
- 3 Kühlboxen 4 h
- 1 Wasserpumpe 1 h





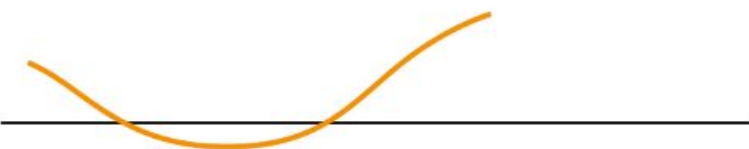




Freitag, 29. März 2024 13:47



Außentemperatur: 12 °C



Stand Stromspeicher: 42 %



Aktueller Strombedarf: 1520 W



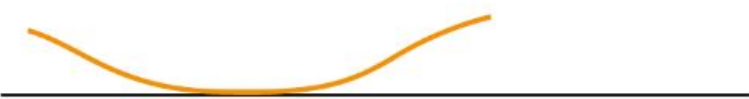
Aktueller Stromertrag: 1373 W



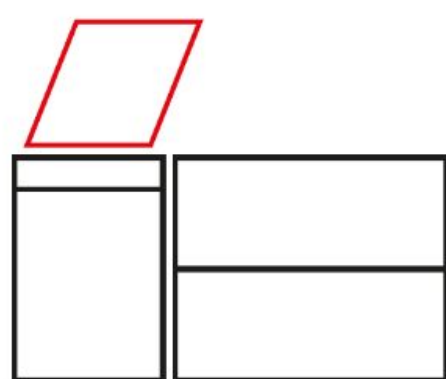
Stand Wasserspeicher: 23/60 l

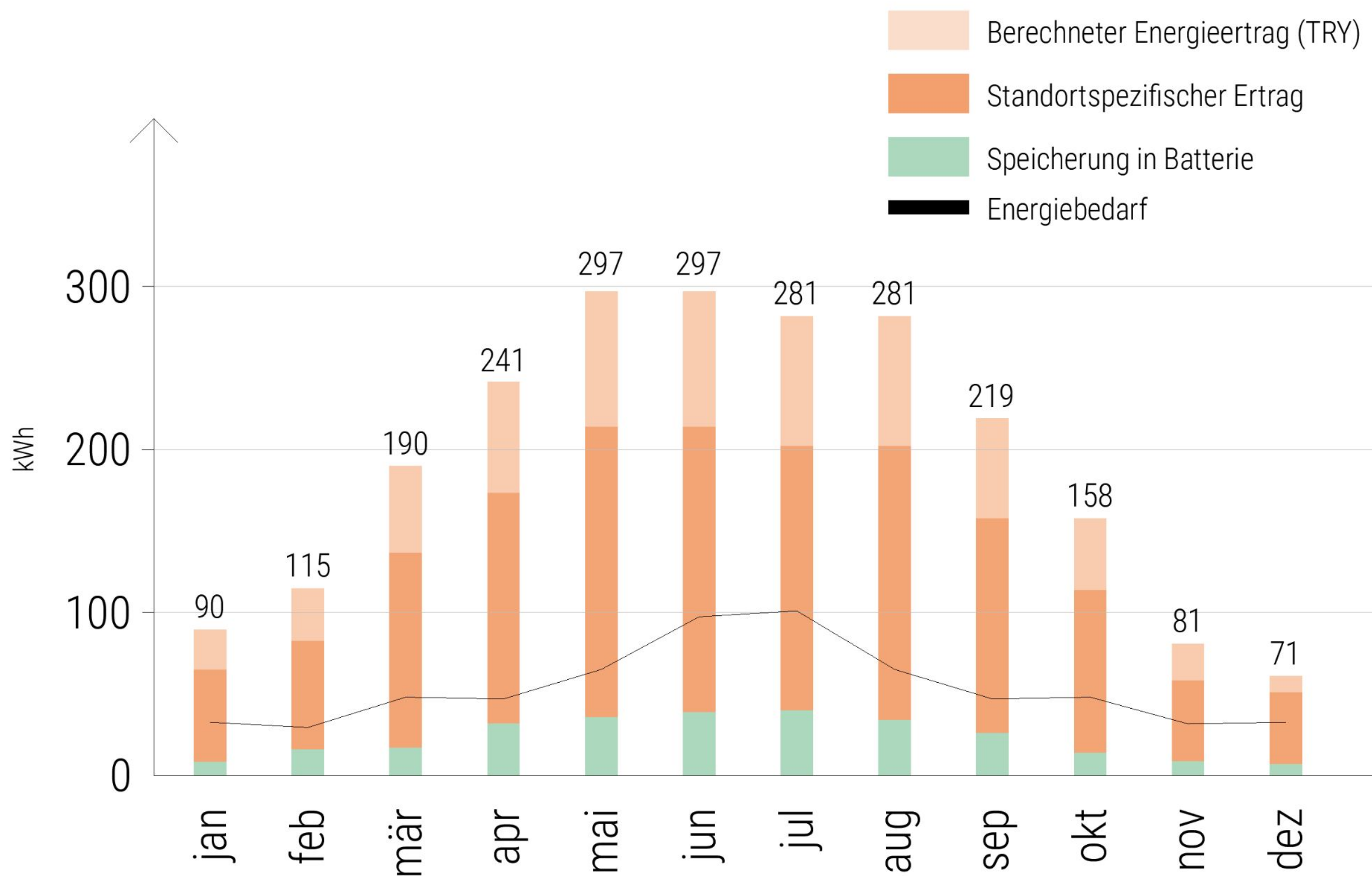
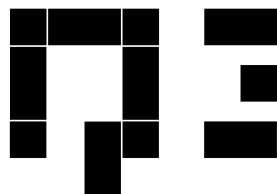


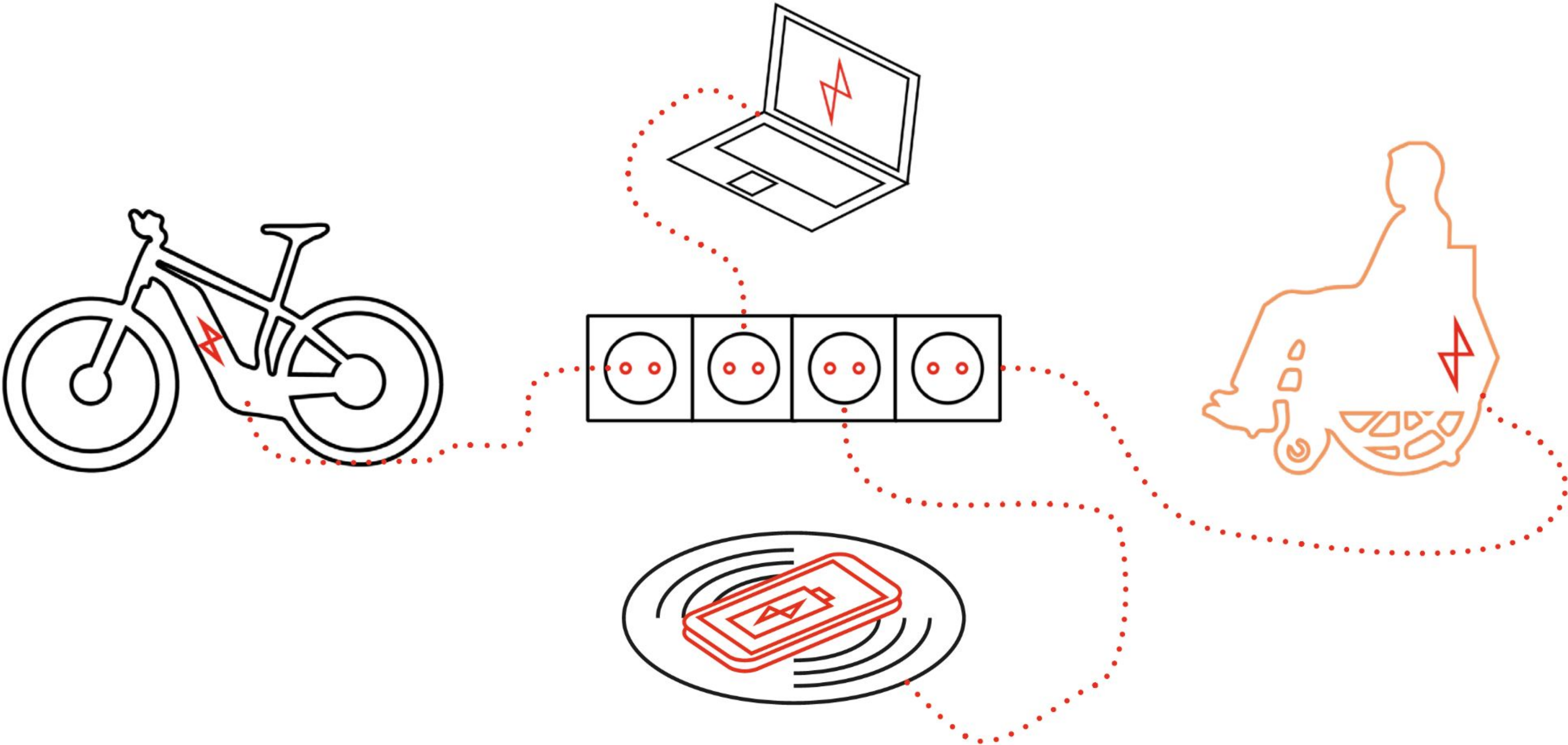
Temperatur Wasser: 8 °C



Kaffee heute verkauft: 22

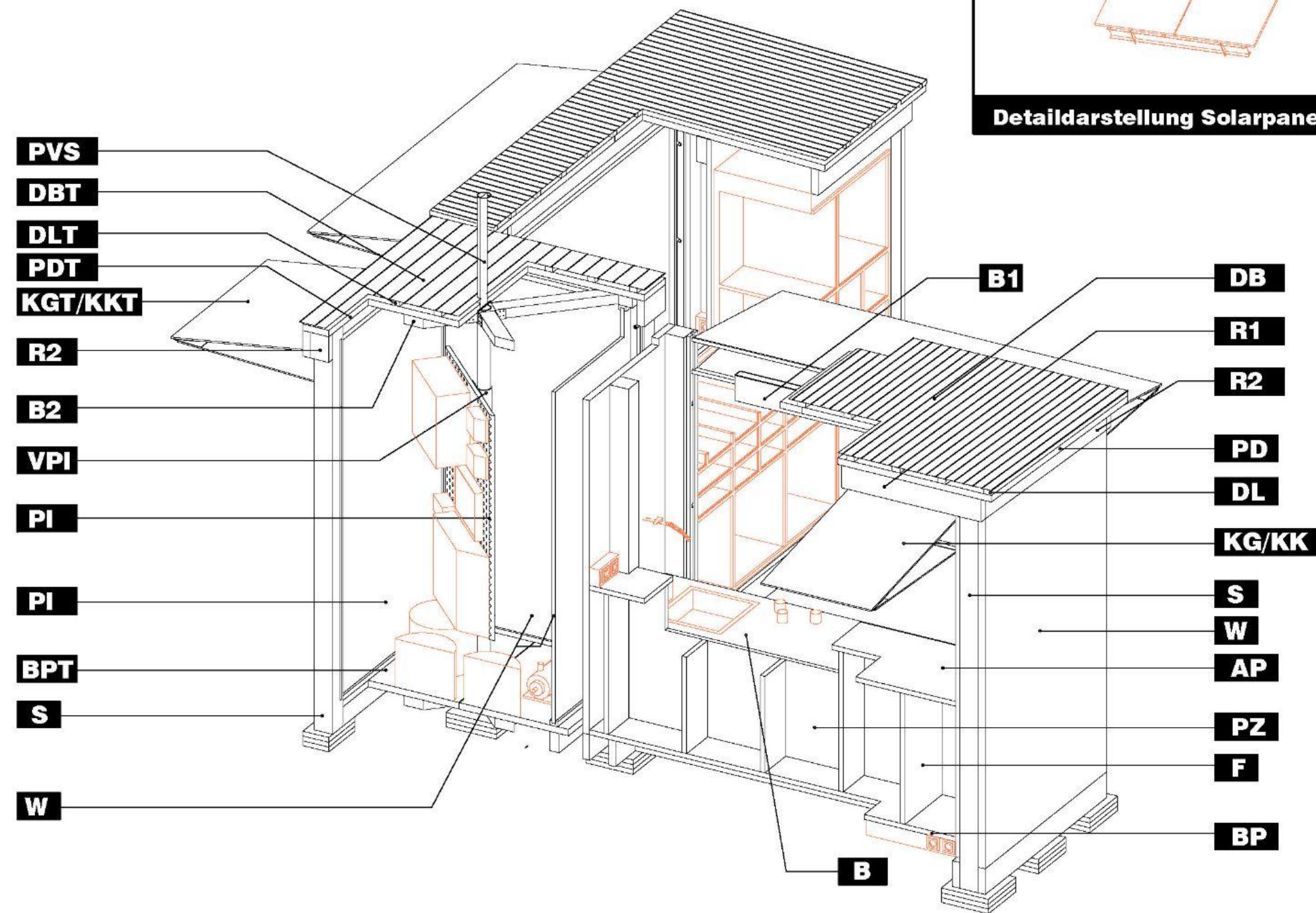






Kosten



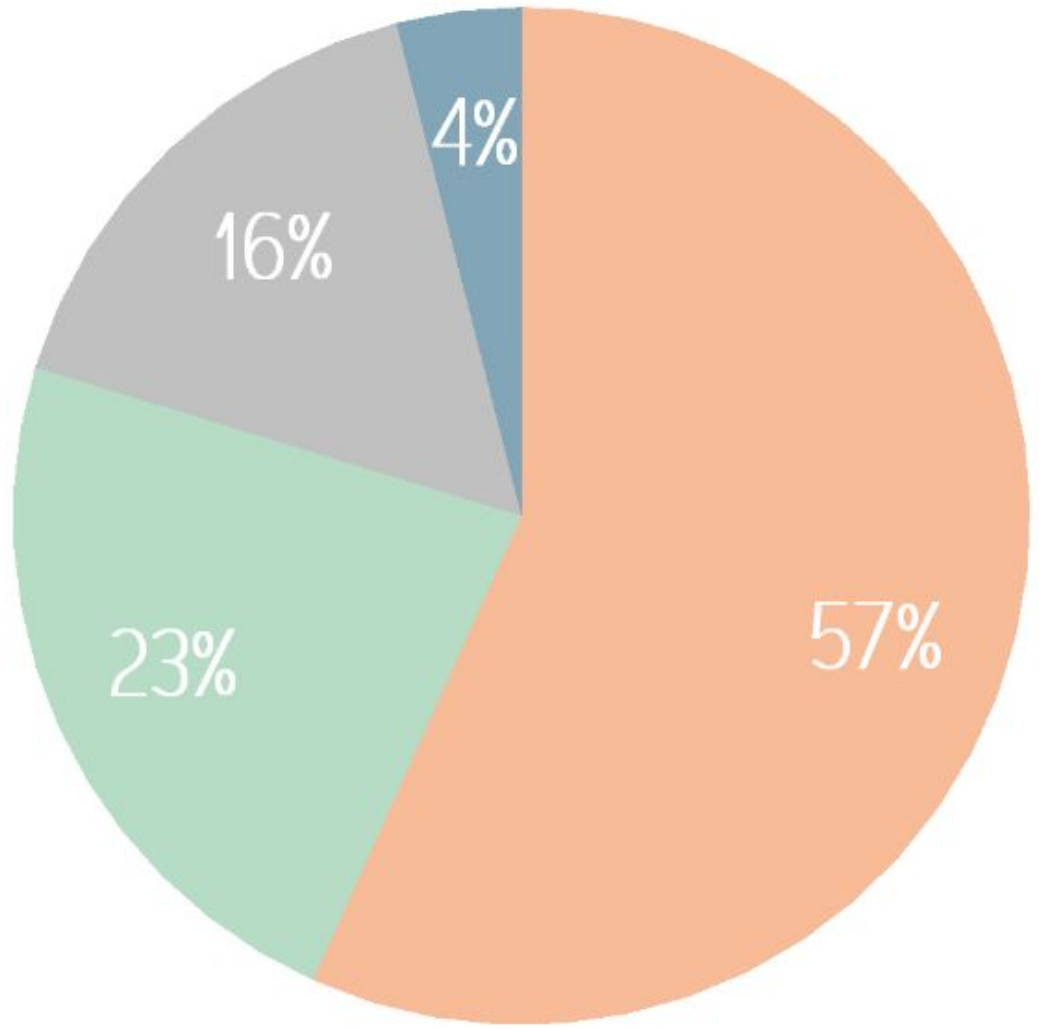
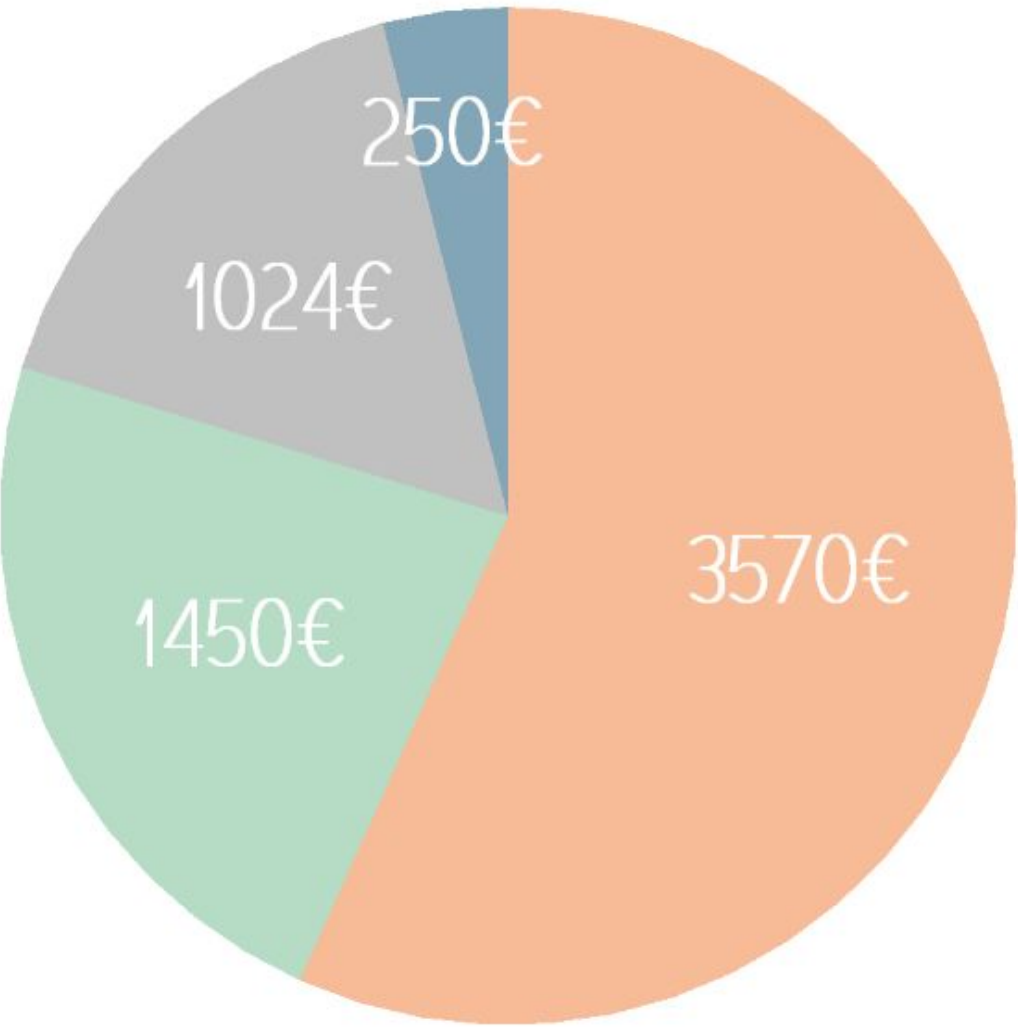
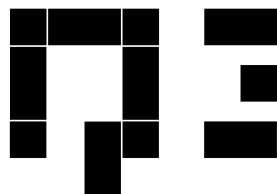


Detaildarstellung Solarpanel und Montagesystem M 1:50

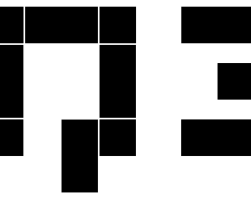
Bezeichnung	Kennzeichen	Preis pro Einheit in EUR	Einheiten pro Stück	Preis insgesamt in EUR
Stütze	S	13,54	2,50	203,10
Balken Nutzung	B1	9,02	2,38	42,94
Rahmen lang	R1	13,10	2,80	146,72
Rahmen kurz	R2	13,10	1,40	146,72
Wände	W	553,49		1.106,98
Klappplatte größer	KG	553,49		1.106,98
Klappplatte kleiner	KK	553,49		1.106,98
Dachlatte	DL	0,84		3,78
Stehfalzblech	DB	27,26	4,57	124,47
Platte zentral	PZ	275,39		275,39
Platte Dach	PD	11,95	4,55	54,38
Arbeitsplatte	AP	275,39		137,70
Bar	B	275,39		137,70
Fächer	F	275,39		1.101,56
Bodenplatte	BP	64,66	2,00	129,32
AUSSTATTUNG				
Spüle	SPÜ	79,00		79,00
Wasserkanister	WKa	14,99		89,94
Kaffemaschine	KM	380,53		380,53
Wasserkocher	WKo	31,99		31,99
Kochfeld	KF	38,99		38,99
LEDs	LED	0,06	5,75	57,50
LED Schiene	LED Sch	0,04	3,99	39,90
Steckdosen	SD	6,99		153,78
Thoska-Lesegerät	TL	20,00		40,00
GESAMTKOSTEN		6.736,34		

Nutzungsmodul - Funktionsmodul

Bezeichnung	Kennzeichen	Preis pro Einheit in EUR	Einheiten pro Stück	Preis insgesamt in EUR
Stütze	S	13,54	2,50	203,10
Balken Nutzung	B1	9,02	2,38	42,94
Rahmen lang	R1	13,10	2,80	146,72
Rahmen kurz	R2	13,10	1,40	146,72
Wände	W	553,49		1.106,98
Platte Zentral	PZ	275,39		275,39
Klappelement größer	KG	553,49		1.106,98
Klappelement kleiner	KK	553,49		1.106,98
Dachlatte	DL	0,84		3,78
Stehfalzblech	DB	27,26	4,57	124,47
Platte Dach	PD	11,95	4,55	54,38
Bodenplatte	BP	64,66		64,66
Schreibtisch	ST	64,66	2,00	129,32
AUSSTATTUNG				
Schließfächer	SF	608,00	-	608,00
Steckdosen	SD	6,99		181,74
Thoska-Lesegerät	TL	20,00		40,00
GESAMTKOSTEN		5.342,16		



- Batterie
- PV-Anlage
- Wechselrichter
- Laderegler



Bezeichnung	Kennzeichen	Preis pro Einheit in EUR	Einheiten pro Stück	Preis insgesamt in EUR
Stütze	S	13,54	2,50	135,40
Balken Tech	B2	5,64	0,72	32,49
Rahmen kurz	R2	13,10	1,40	146,72
Wände	W	553,49		1.106,98
Plexiglas	PI	97,50	1,93	188,10
Plexiglas Tür	PITü	97,50	2,53	246,68
Klappelement größer Tech	KGT	553,49		1.106,98
Klappelement kleiner Tech	KKT	553,49		1.106,98
Dachlatte Tech	DLT	0,84		3,78
Stehfalzblech Tech	DBT	29,00		29,00
Platte Dach Tech	PDT	11,95	2,22	26,53
Platine	PI			
Verbinder Platine	VPI			
PV-Stütze	PVS			
Bodenplatte Tech	BPT	64,66		64,66
AUSSTATTUNG				
PV-Anlage	PV	362,50		1.450,00
Wechselrichter	WR	1.024,00		1.024,00
Laderegler	LR	64,99		64,99
Batterie	B	3.569,00		3.569,00
Wasserpumpe	WP	67,00		67,00
Monitor	Mo	299,00		299,00
PC	PC	182,49		182,49
Thoska-Lesegerät	TL	20,00		20,00
Steckdosen	SD	6,99		125,82
GESAMTKOSTEN		10.996,59		

Gesamtkosten: 23.075,08 €





