

Informal Market

FCT, Abuja.

project	Architectural Design
client	Hipcity Innovation Center
date	October, 2024
project lead	RUBAN OFFICE



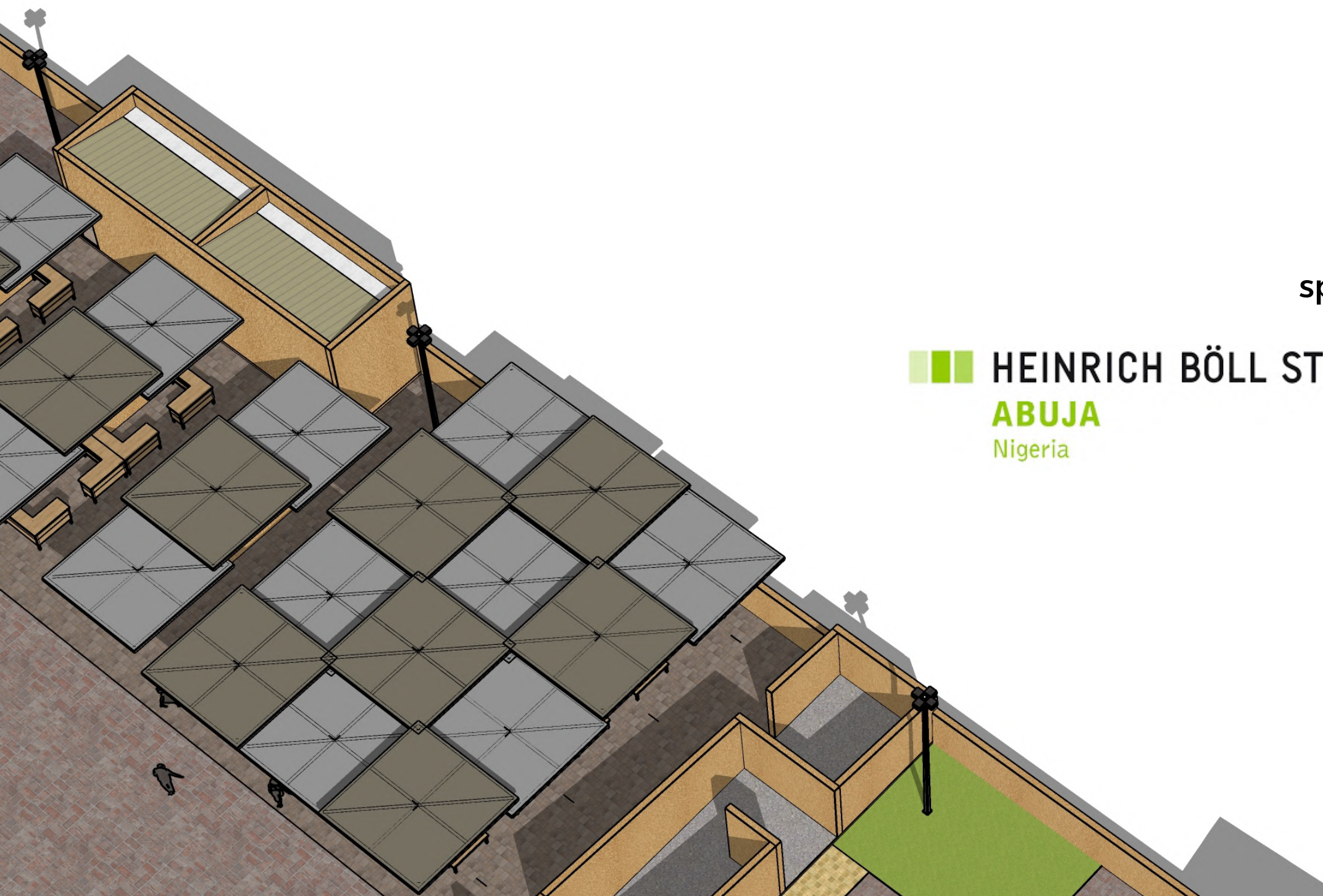
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sponsors and facilitators

 HEINRICH BÖLL STIFTUNG
ABUJA
Nigeria



notes

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introduction

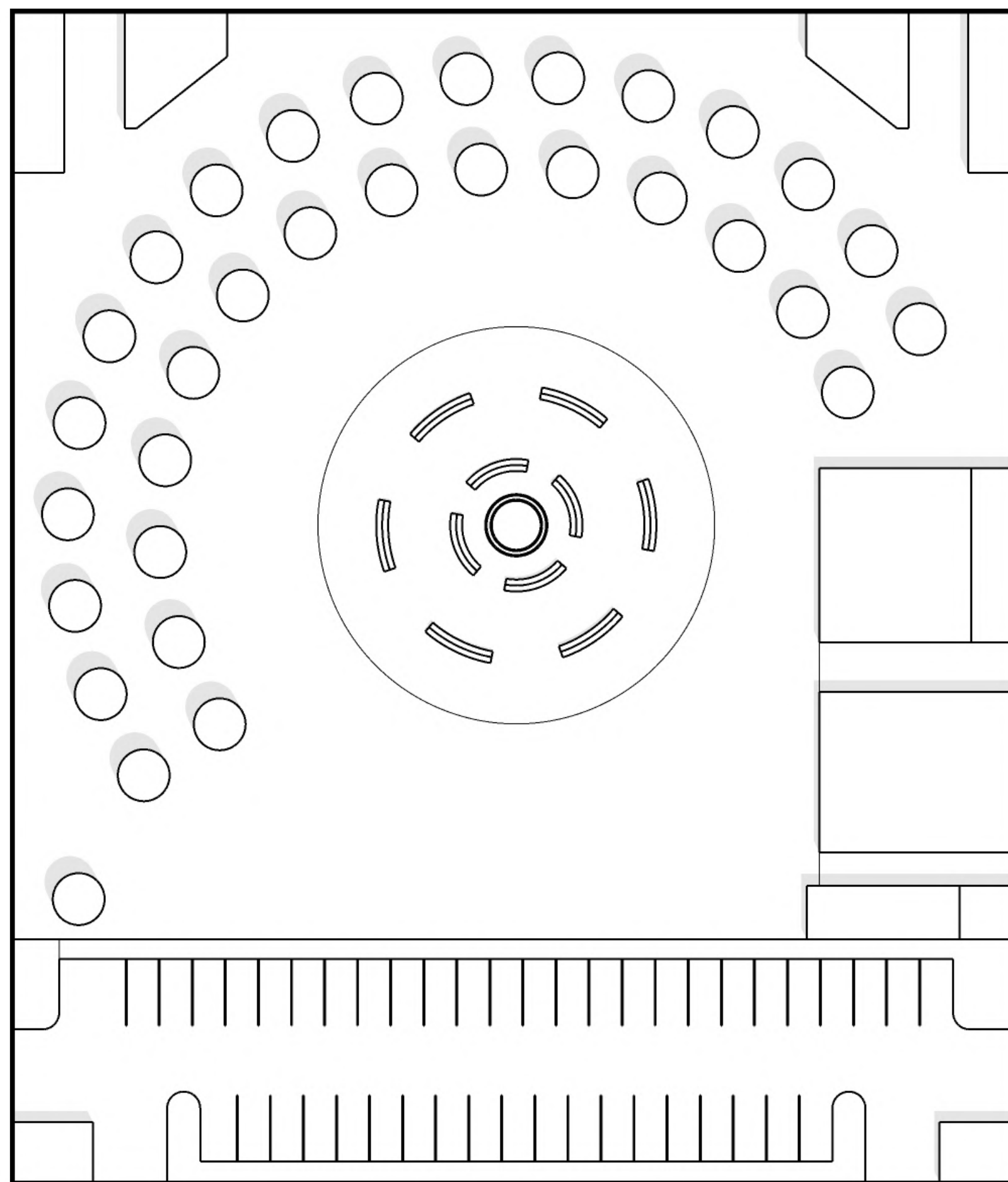
This document presents the architectural drawings for an informal local market project intended to support low-income women in Abuja. The drawings include a detailed site plan, along with basic construction drawings of the structures proposed for the site. However, it is important to note that a finalized site has not yet been determined for the project. As such, the current masterplan is designed based on an assumed site size of 6,726 m².

Upon declaration of the actual site, it will be necessary to produce a new or at least an updated masterplan, as factors such as the exact shape, size, and site-specific conditions (e.g., drainage systems, topographical inclinations, and structural details) will inevitably impact the design. These elements cannot be finalized until a specific site is confirmed.

RUBAN Office remains fully available to rework the masterplan and adjust the designs in alignment with the characteristics of the confirmed site. It should be noted that professional fees will apply for this phase of work. Nonetheless, the designs and plans included in this document are expected to sufficiently aid in securing project funding, particularly when considered alongside the accompanying financial strategy document. Authorship should be quoted as "Stephen Ajadi for RUBAN Office" or a description of direct similar meaning.

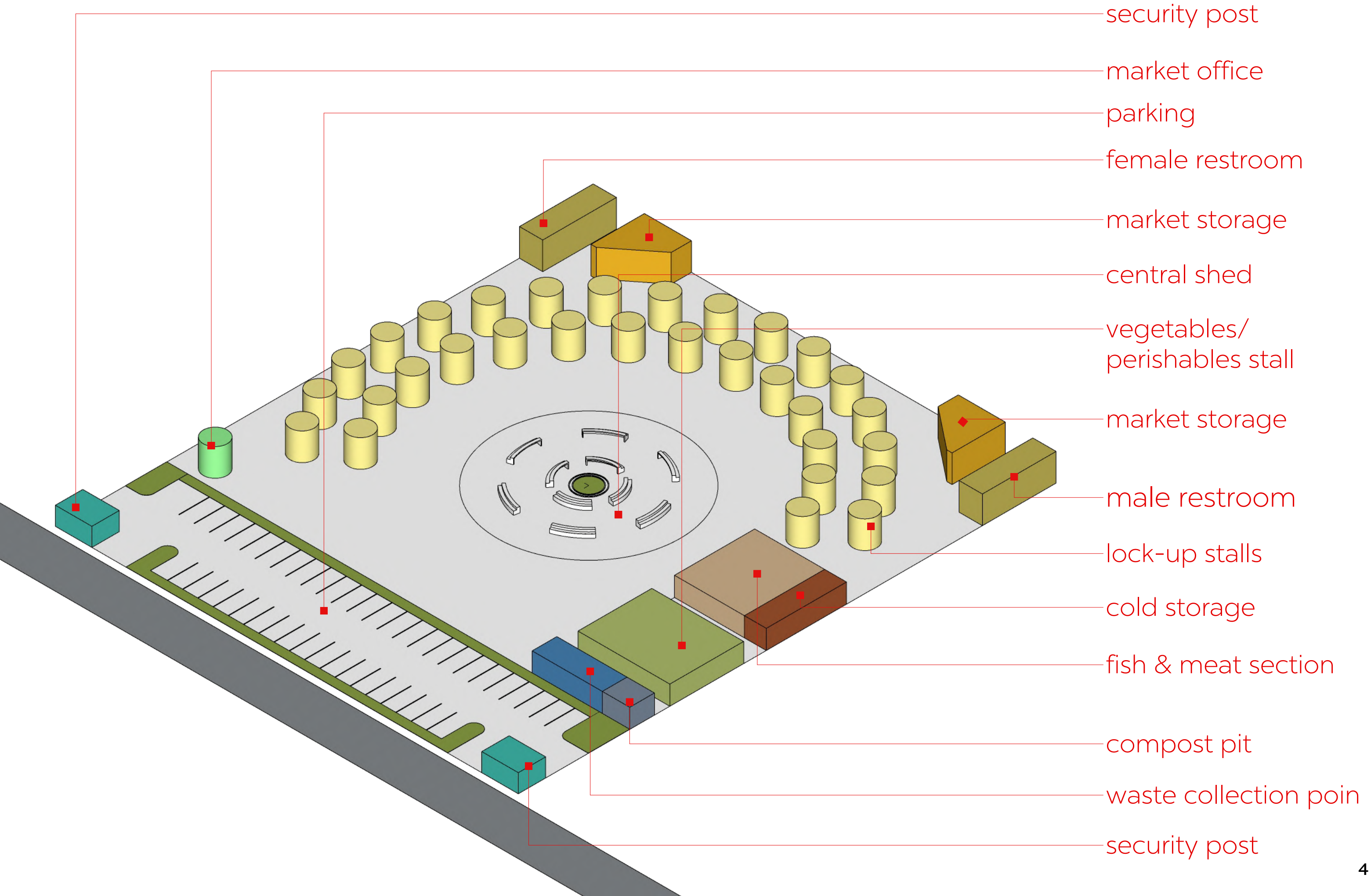
We trust this preliminary masterplan as well as architectural designs will serve as a valuable resource in moving the project forward.

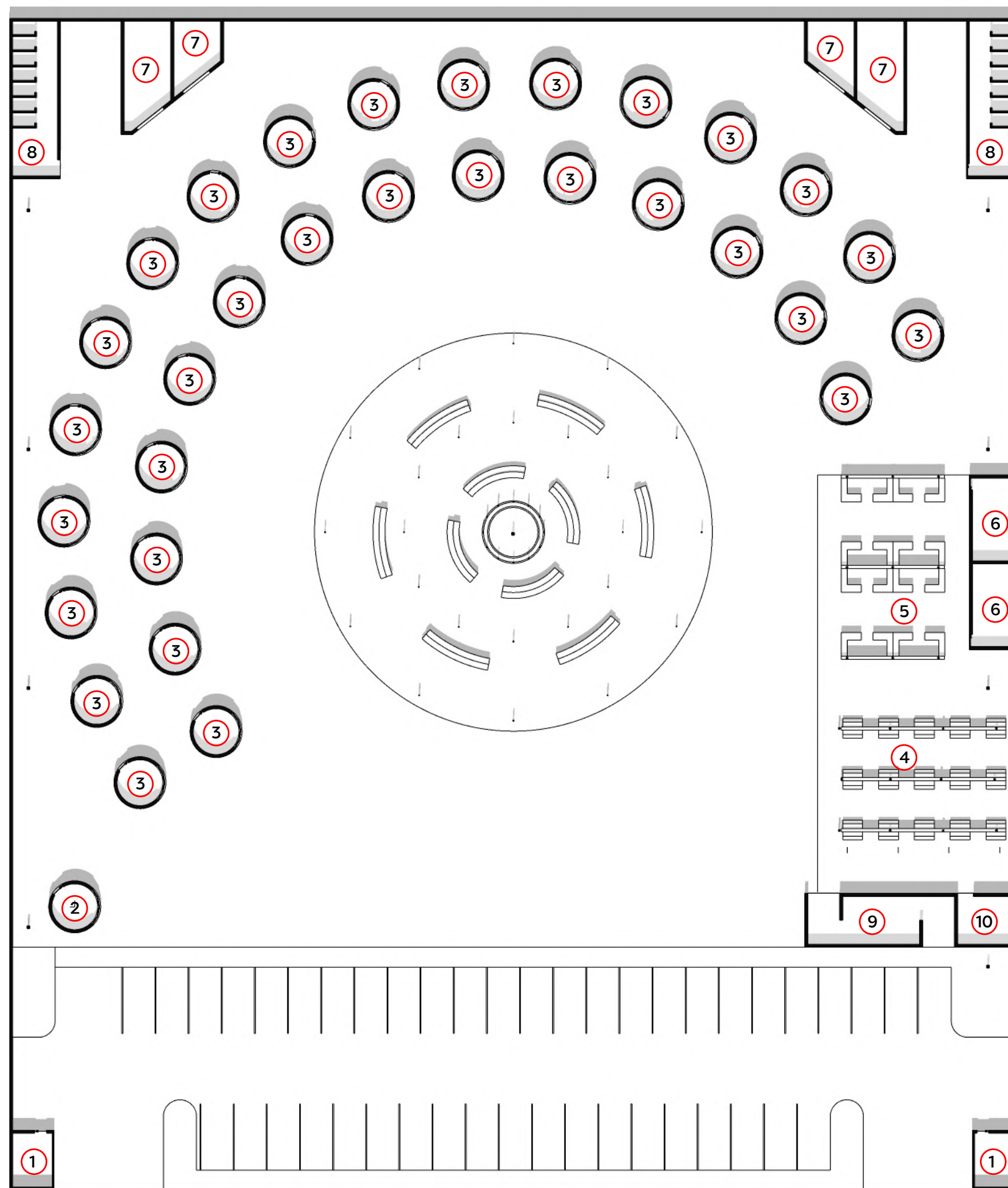
site



6,726 m²

access road

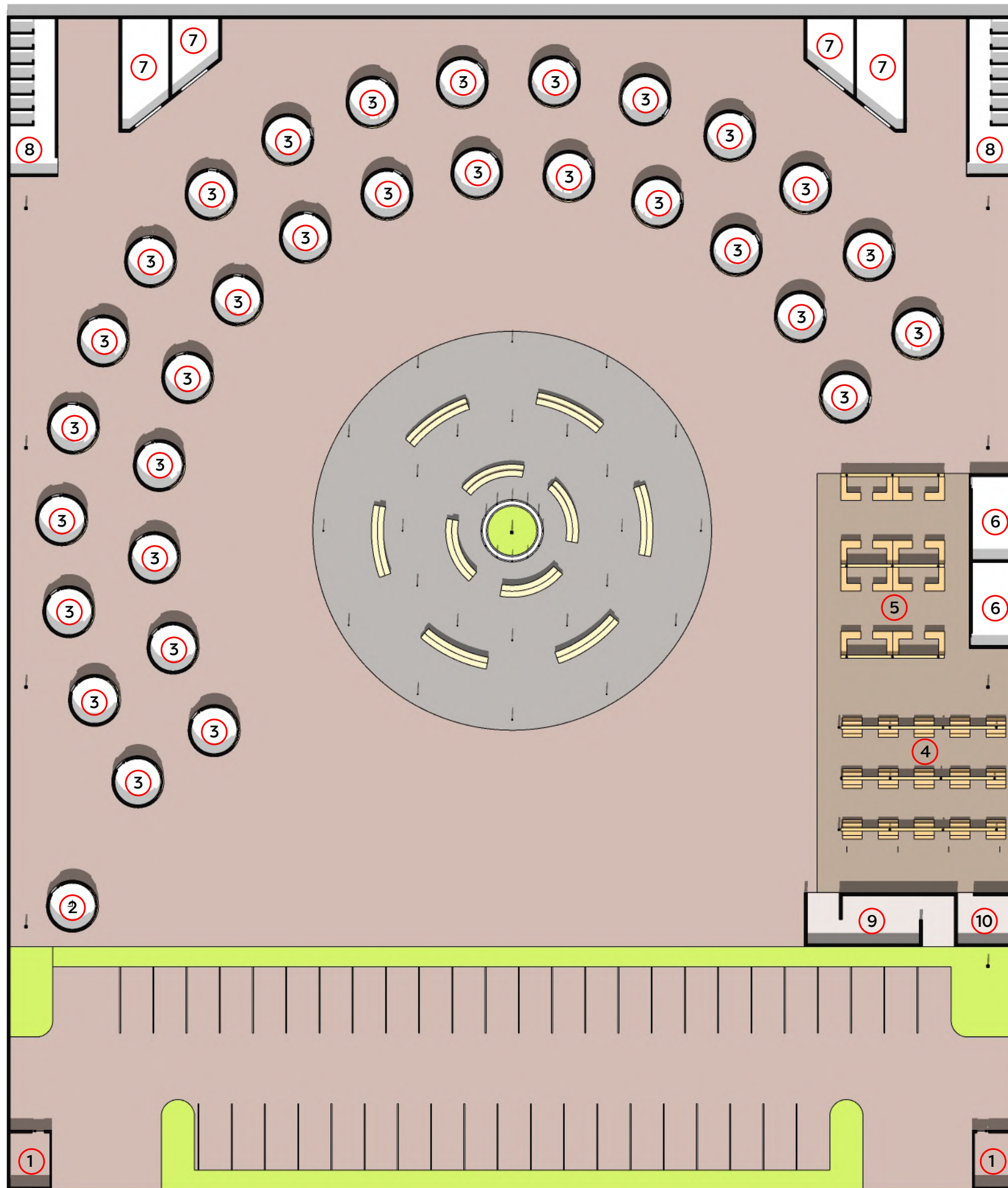




- 1 security post
- 2 management office
- 3 lock-up stalls
- 4 vegetables/perishables stall
- 5 meat & fish section
- 6 cold storage
- 7 market storage
- 8 restrooms
- 9 waste collection point
- 10 compost pit

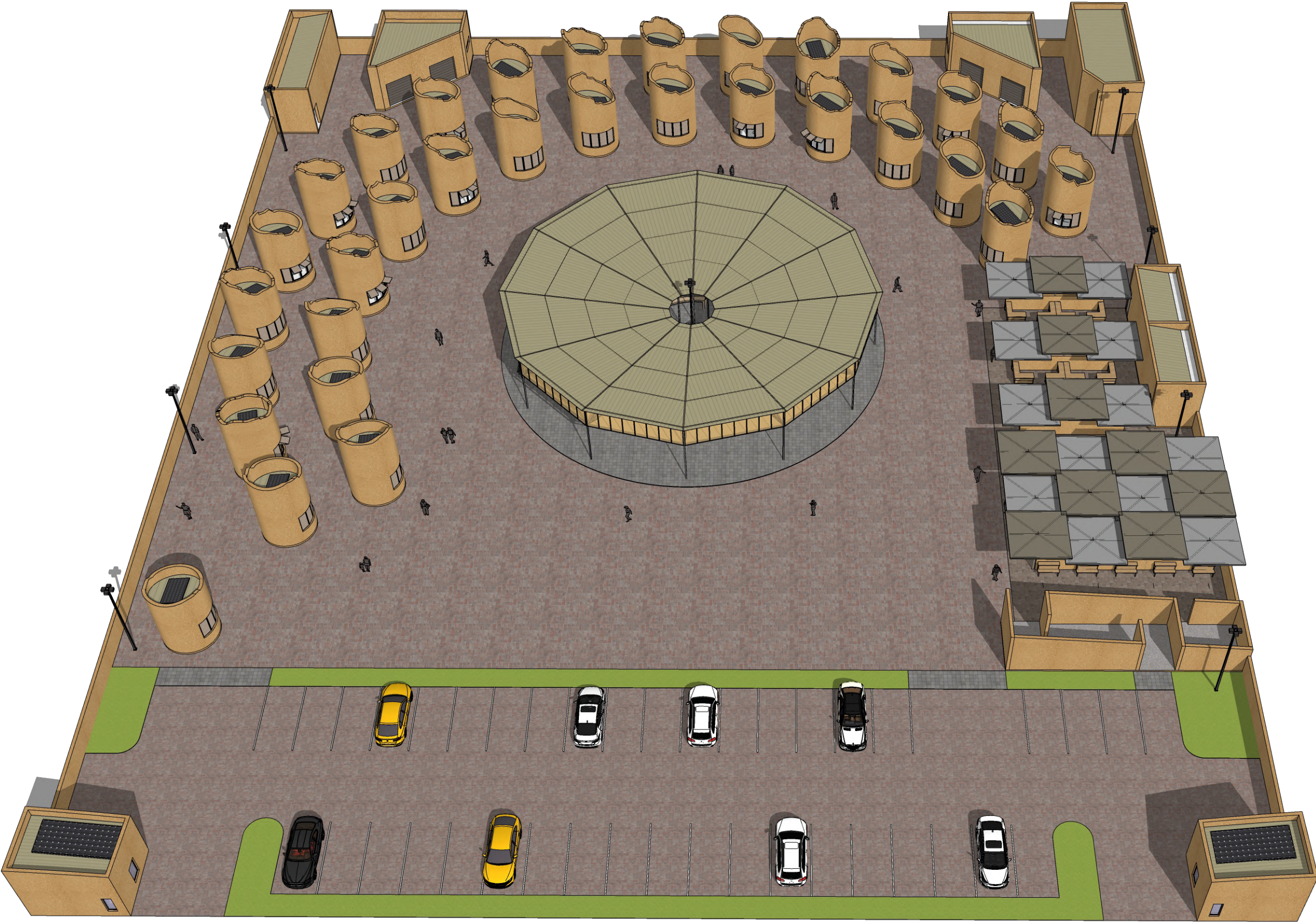
6,726 m²

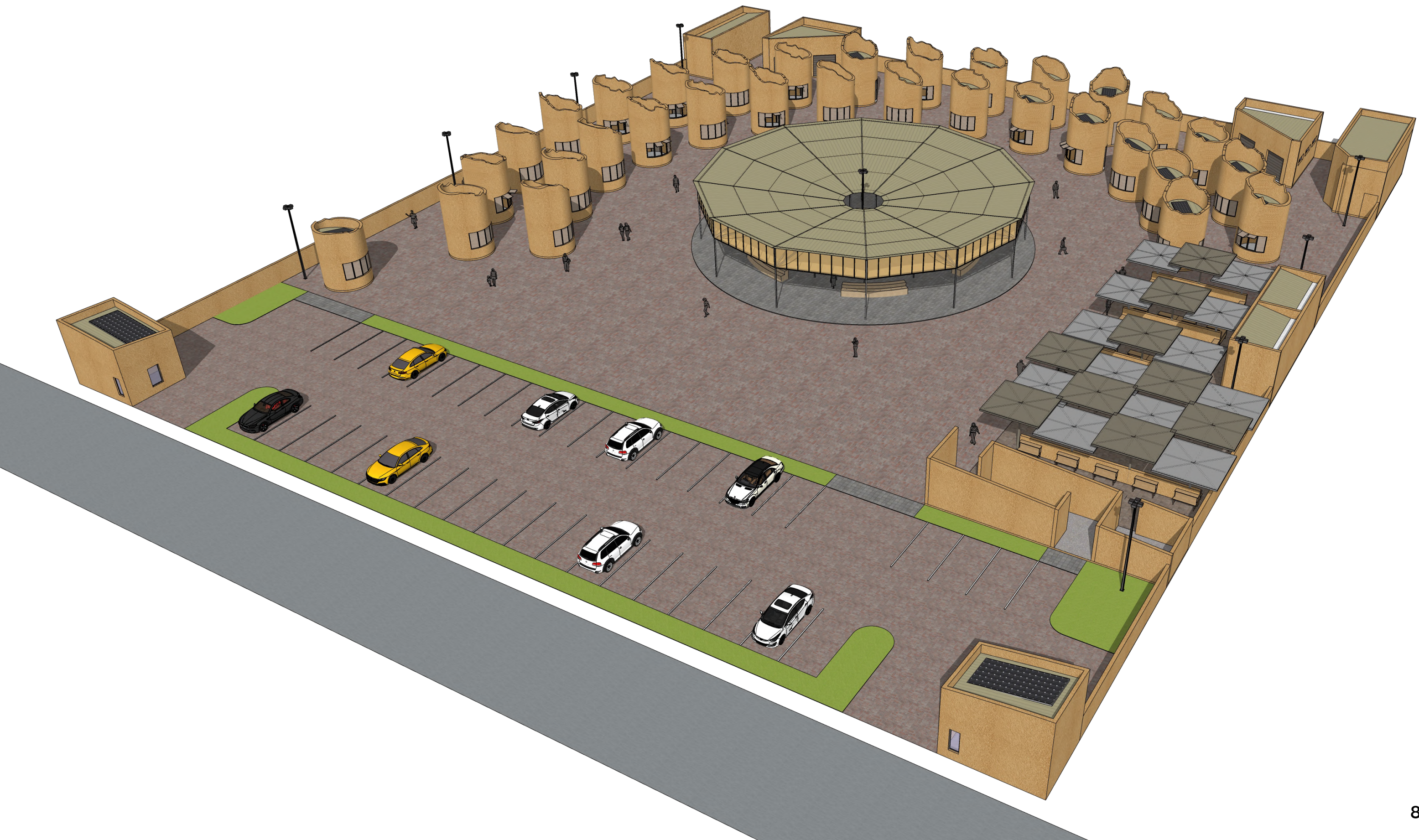
access road

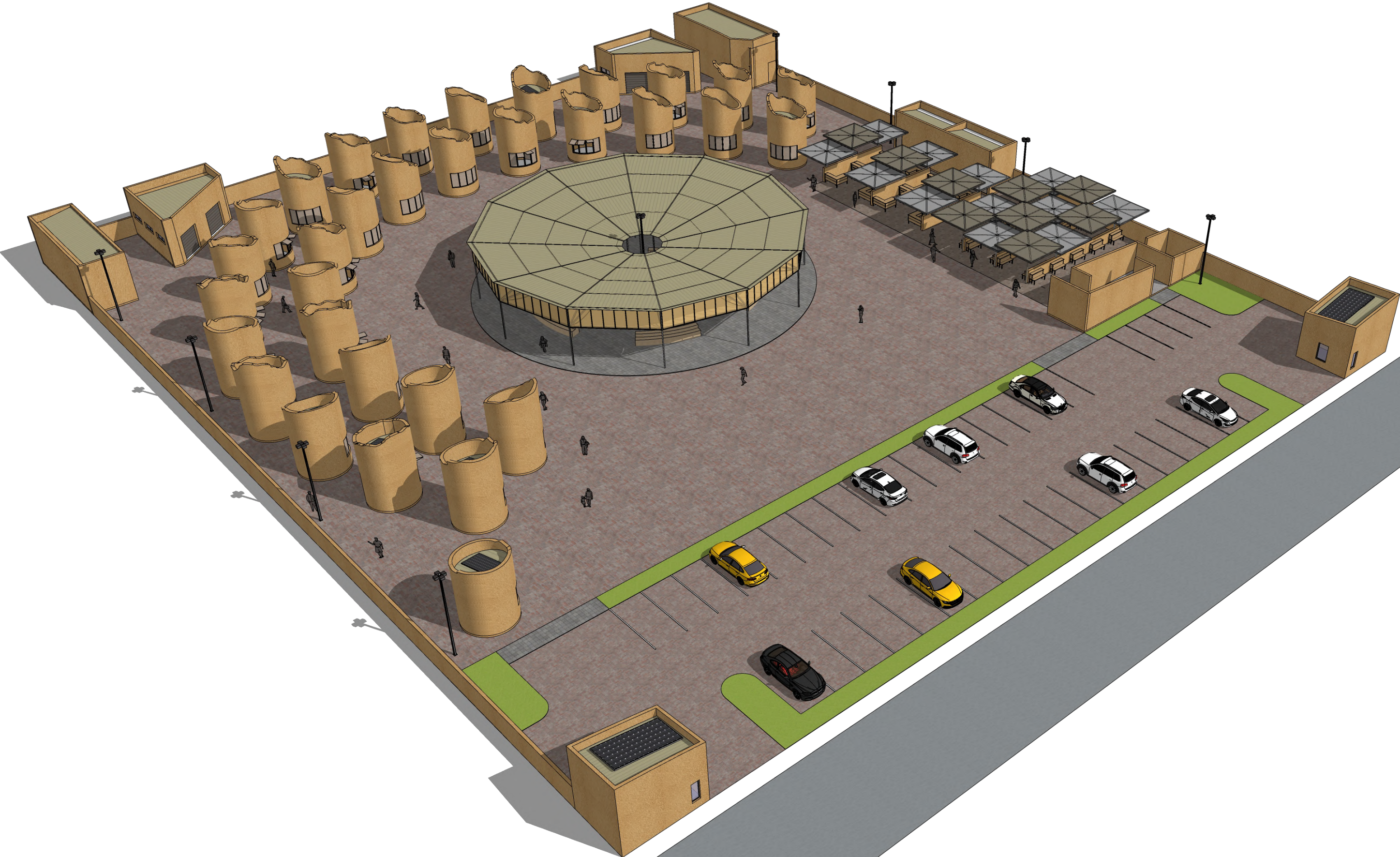


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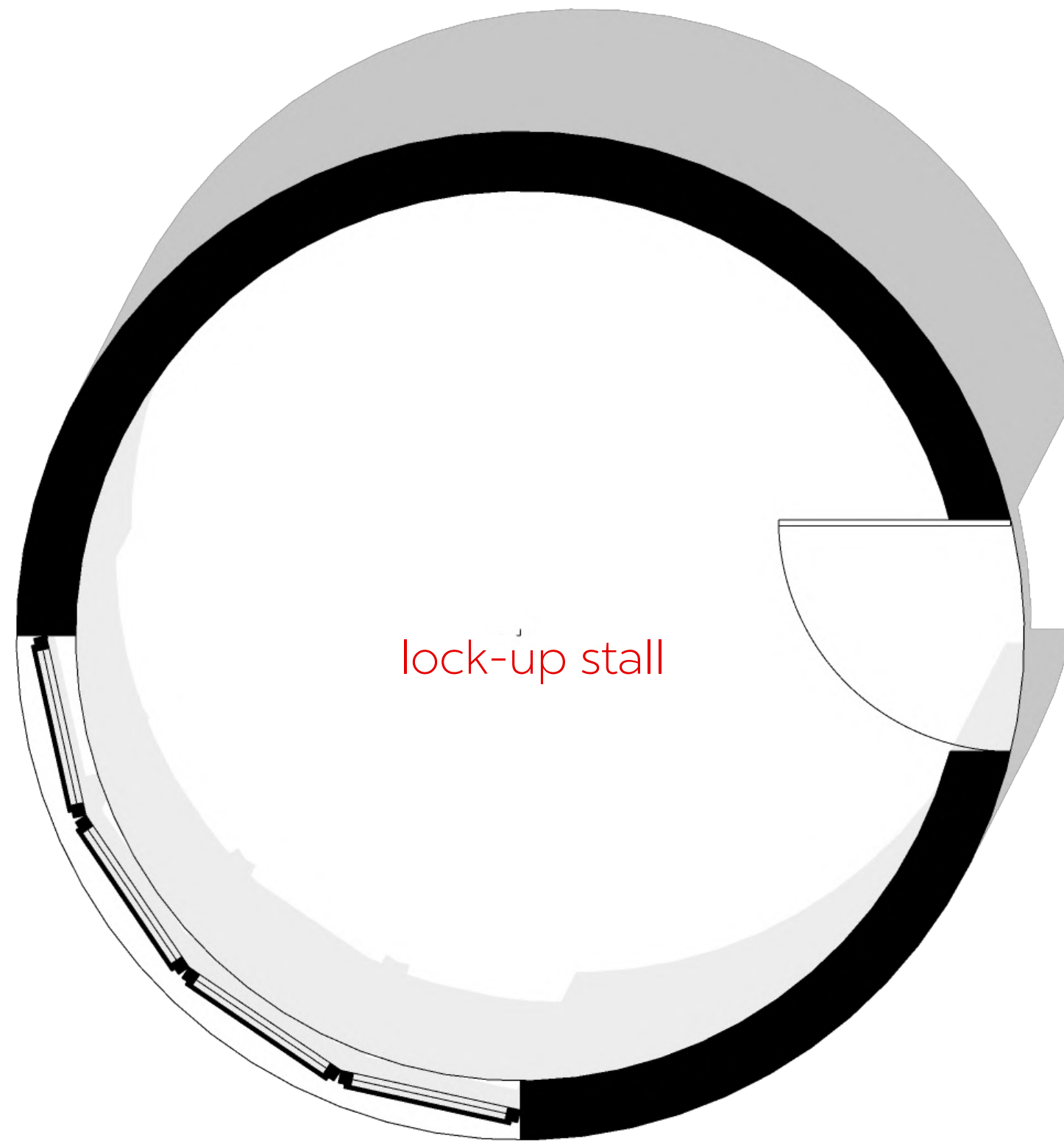
access road

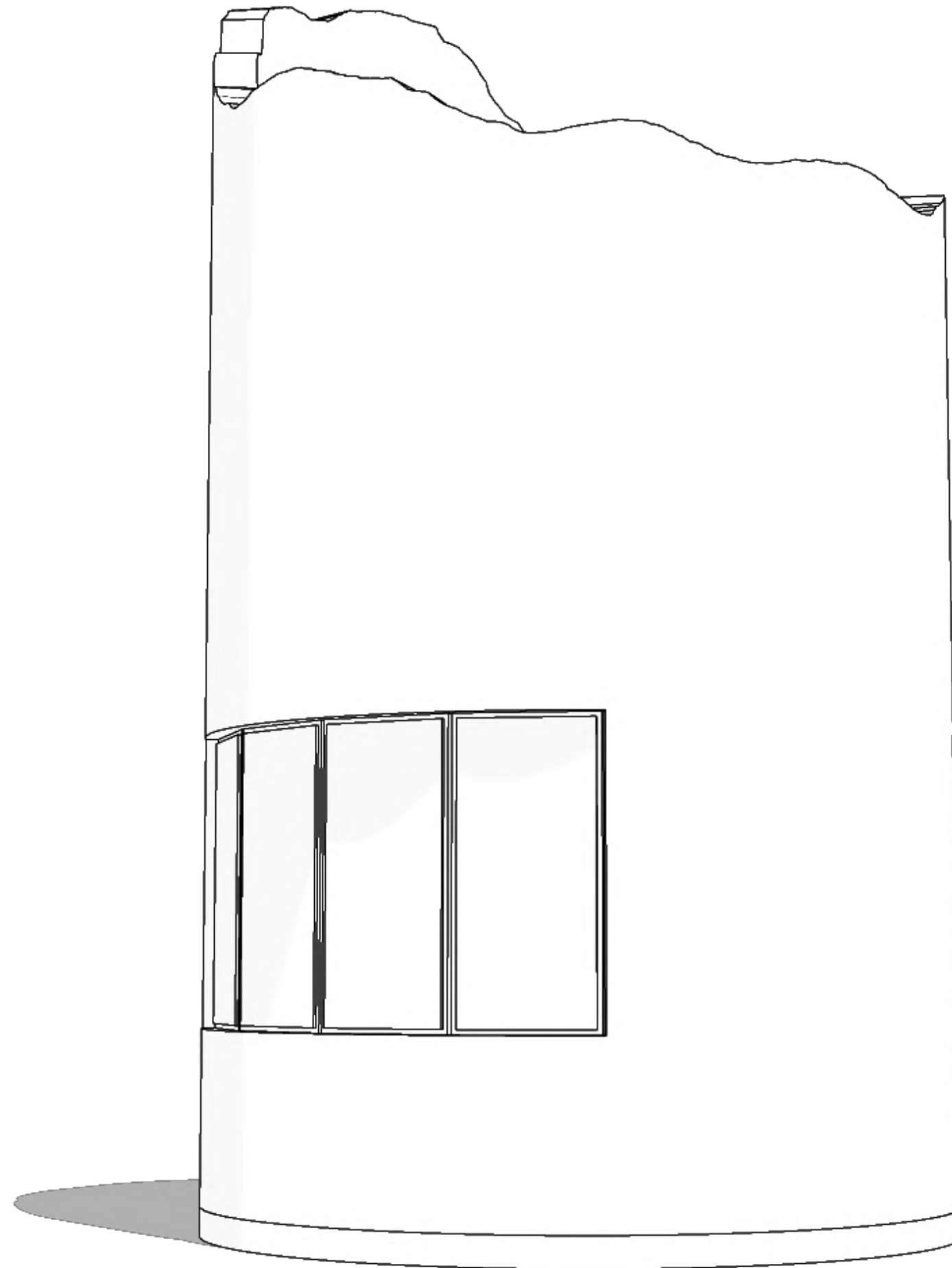


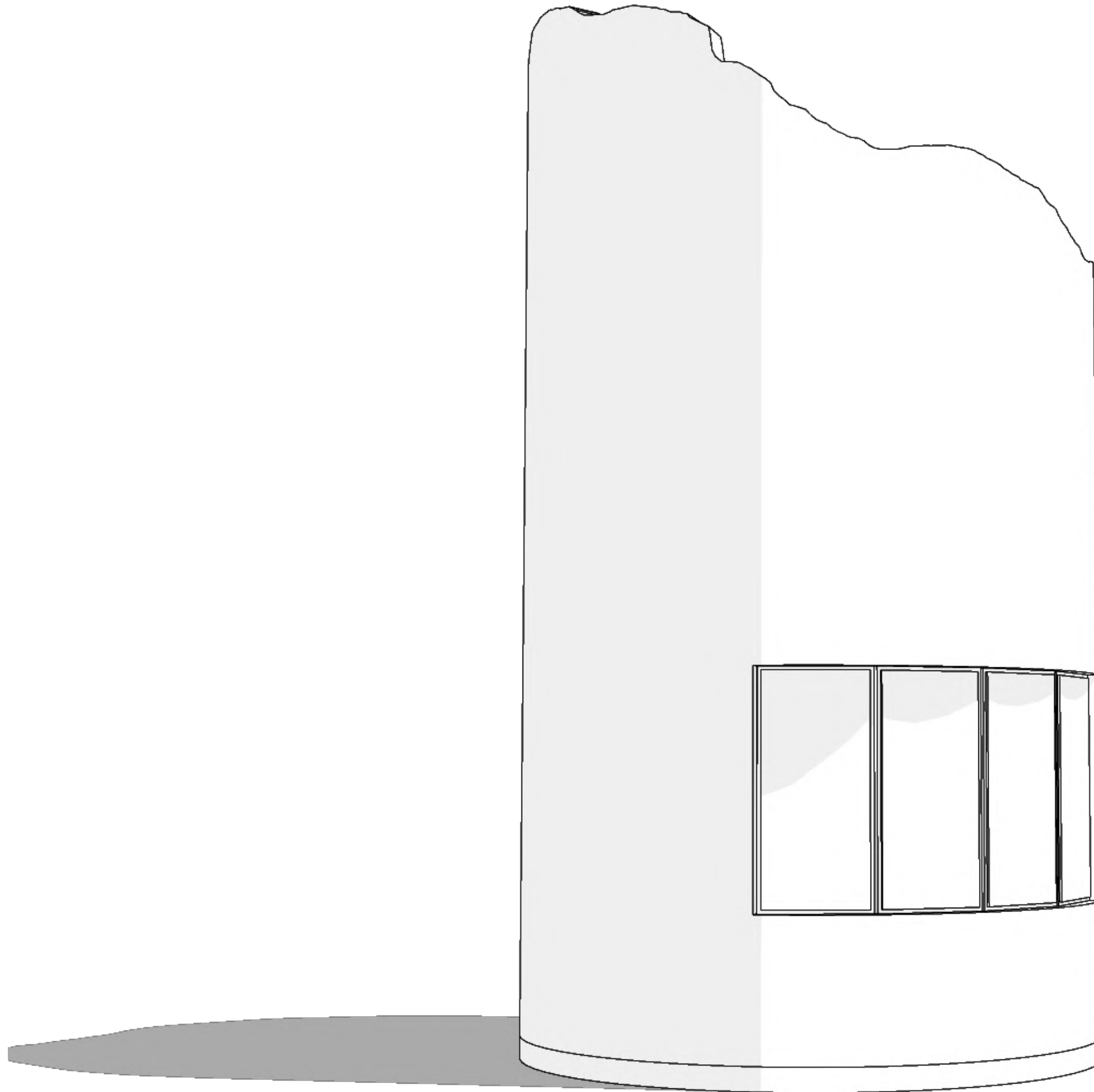




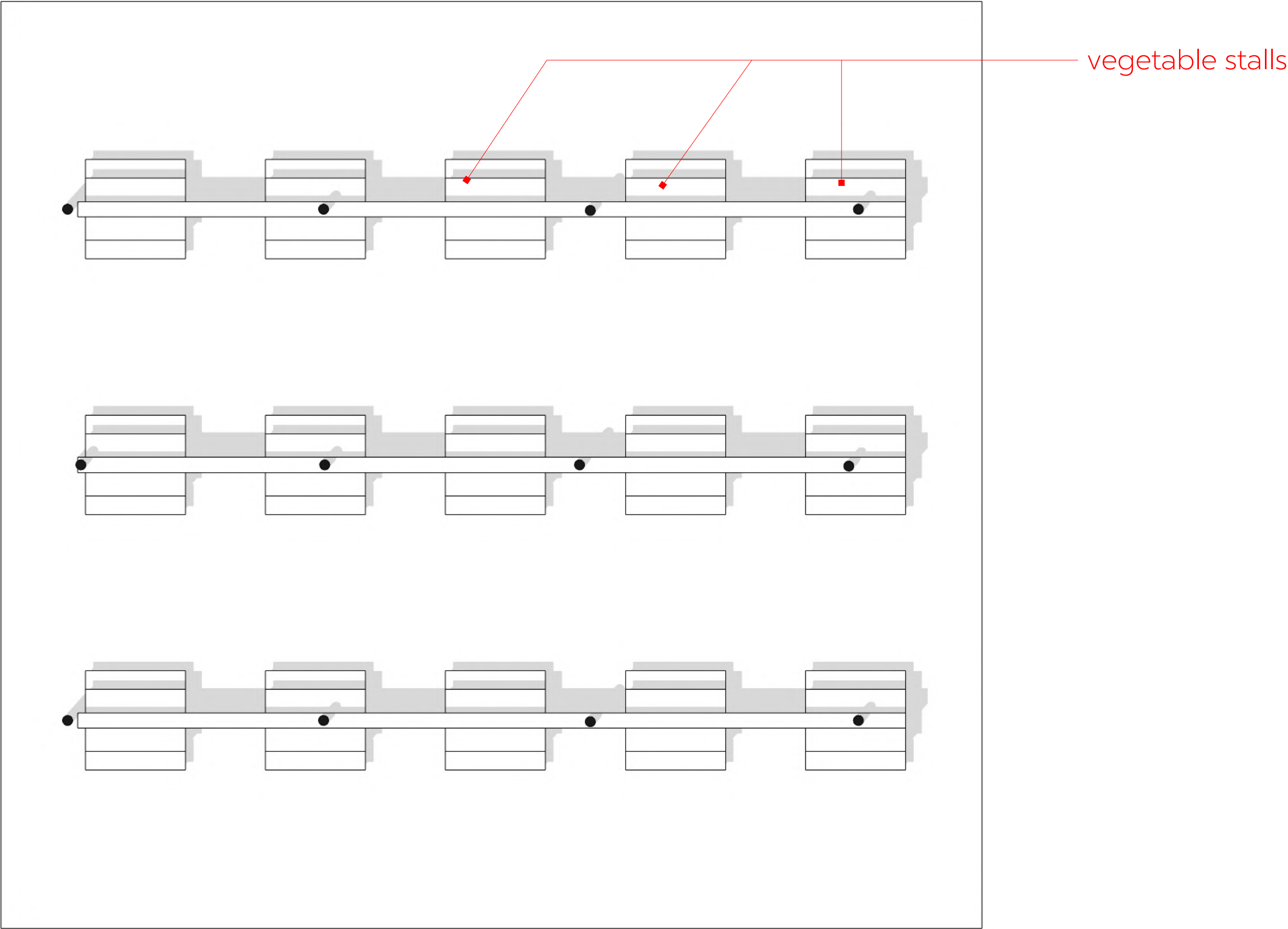
lock-up stall

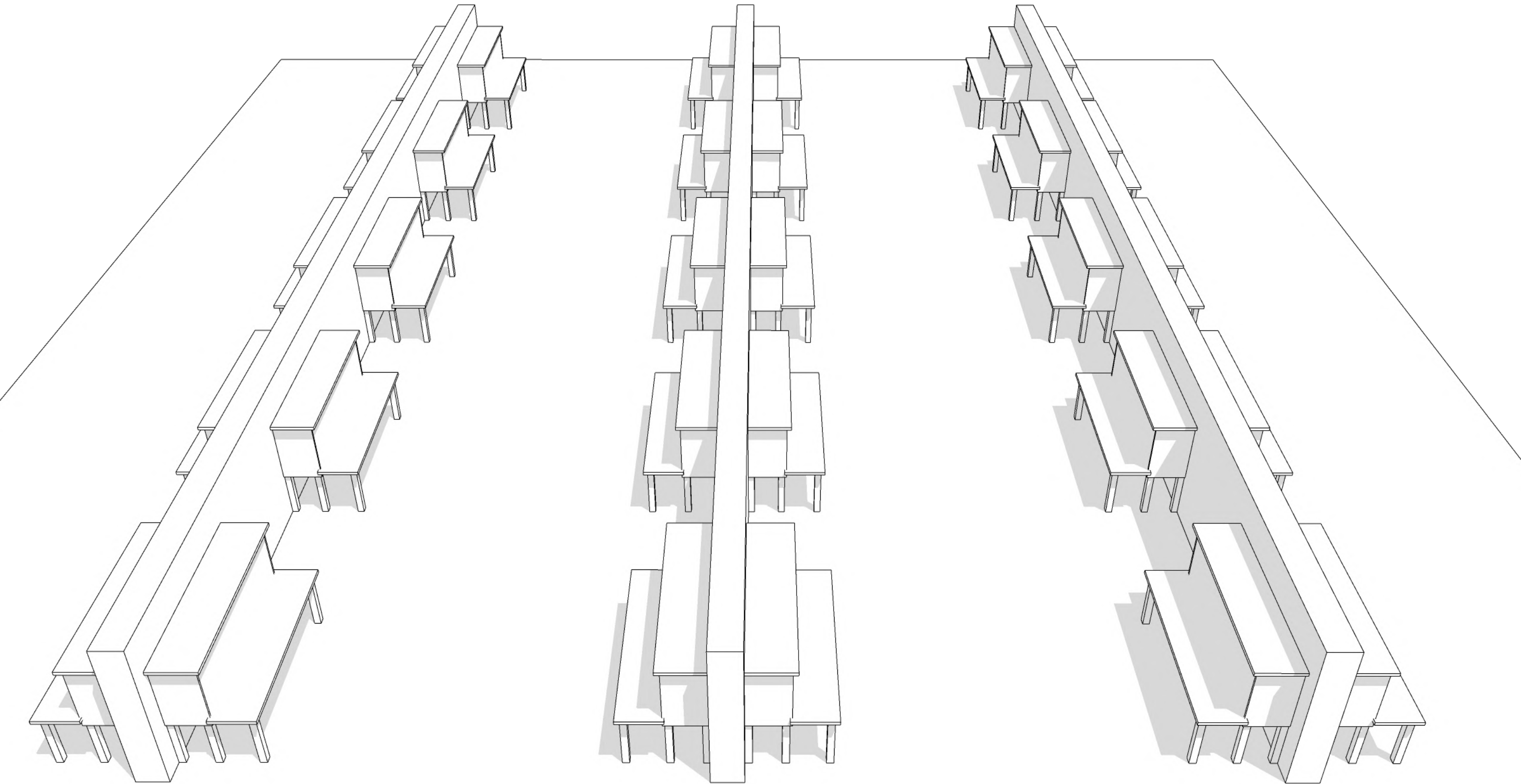




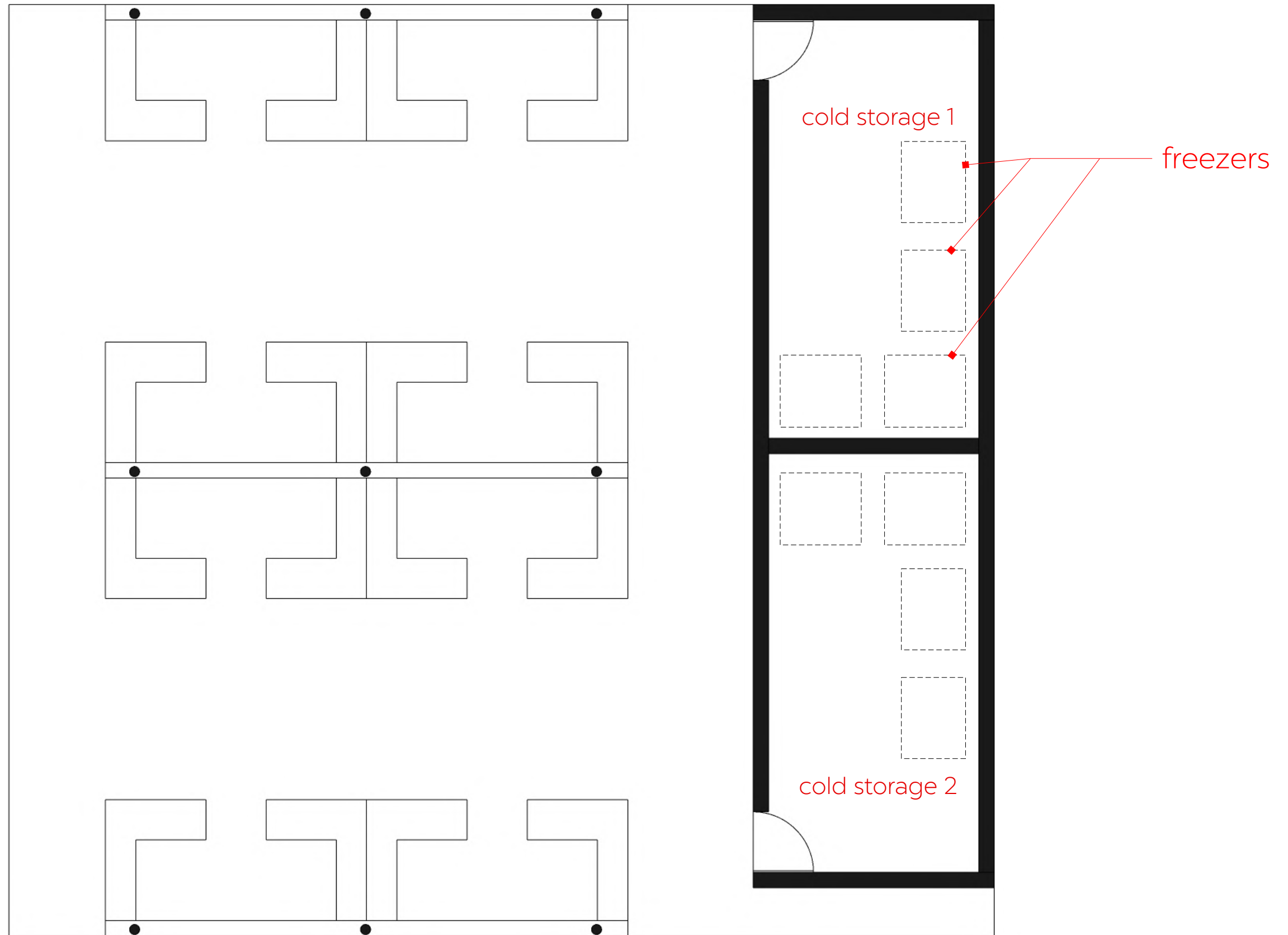


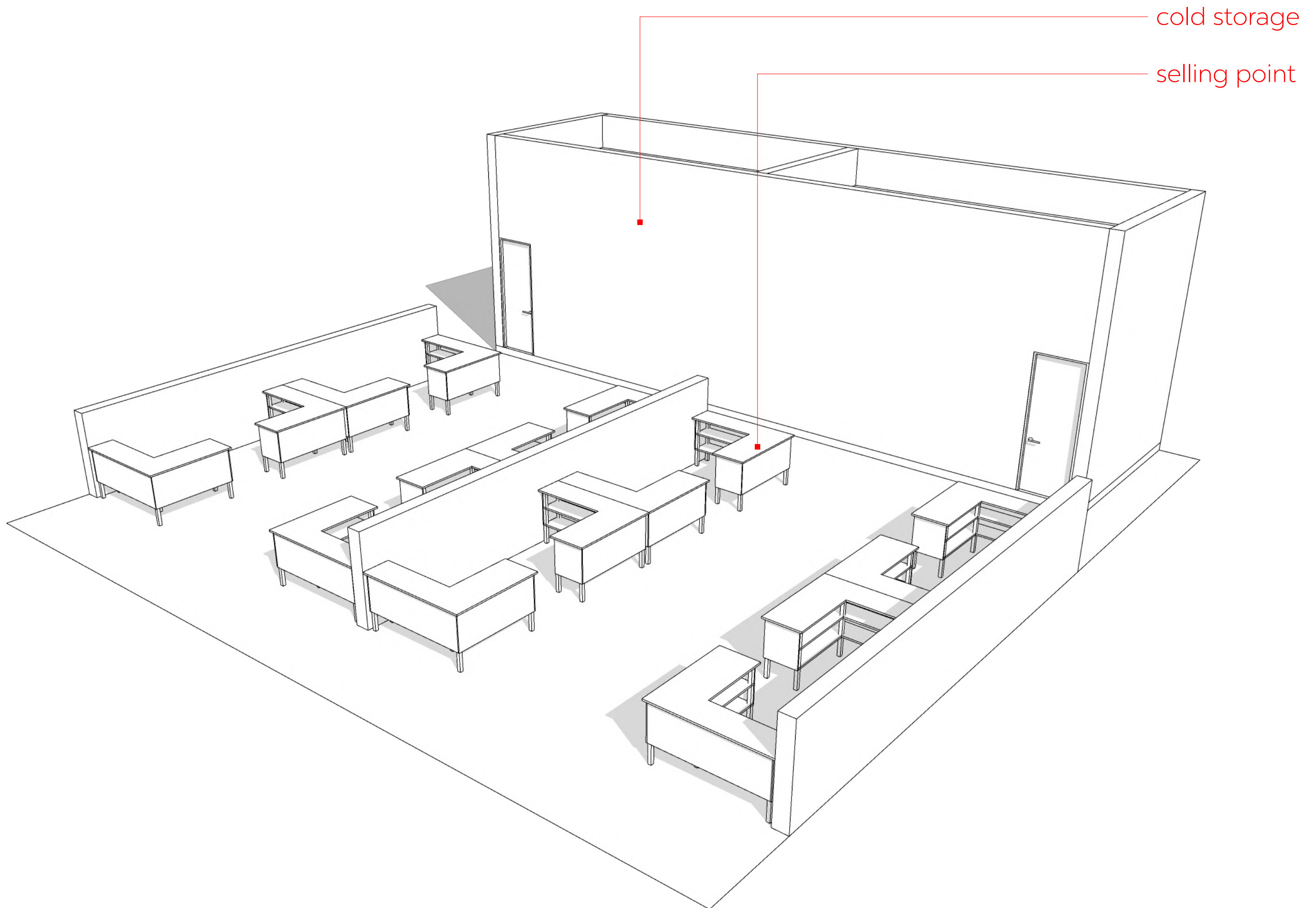
vegetables & perishables section



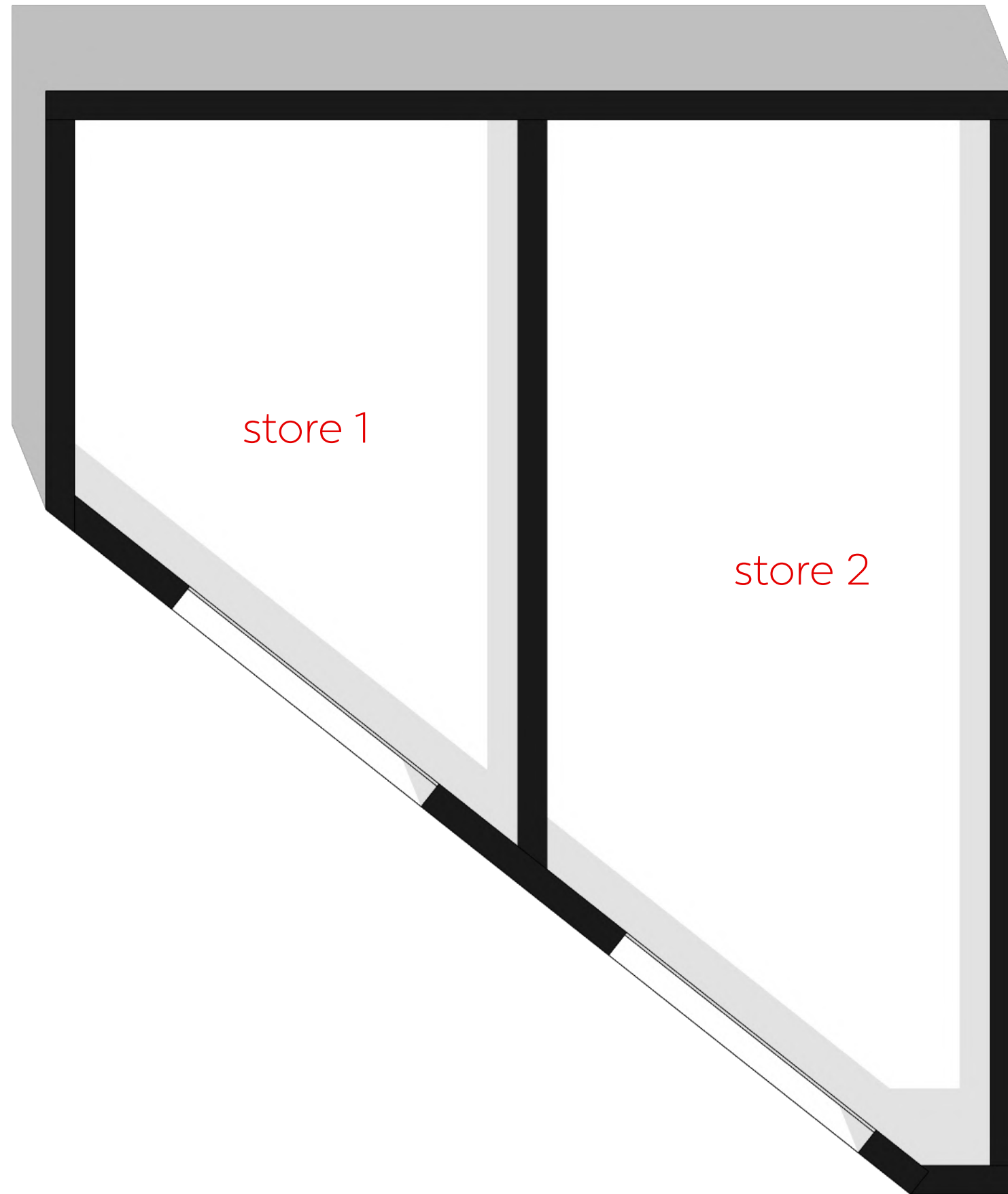


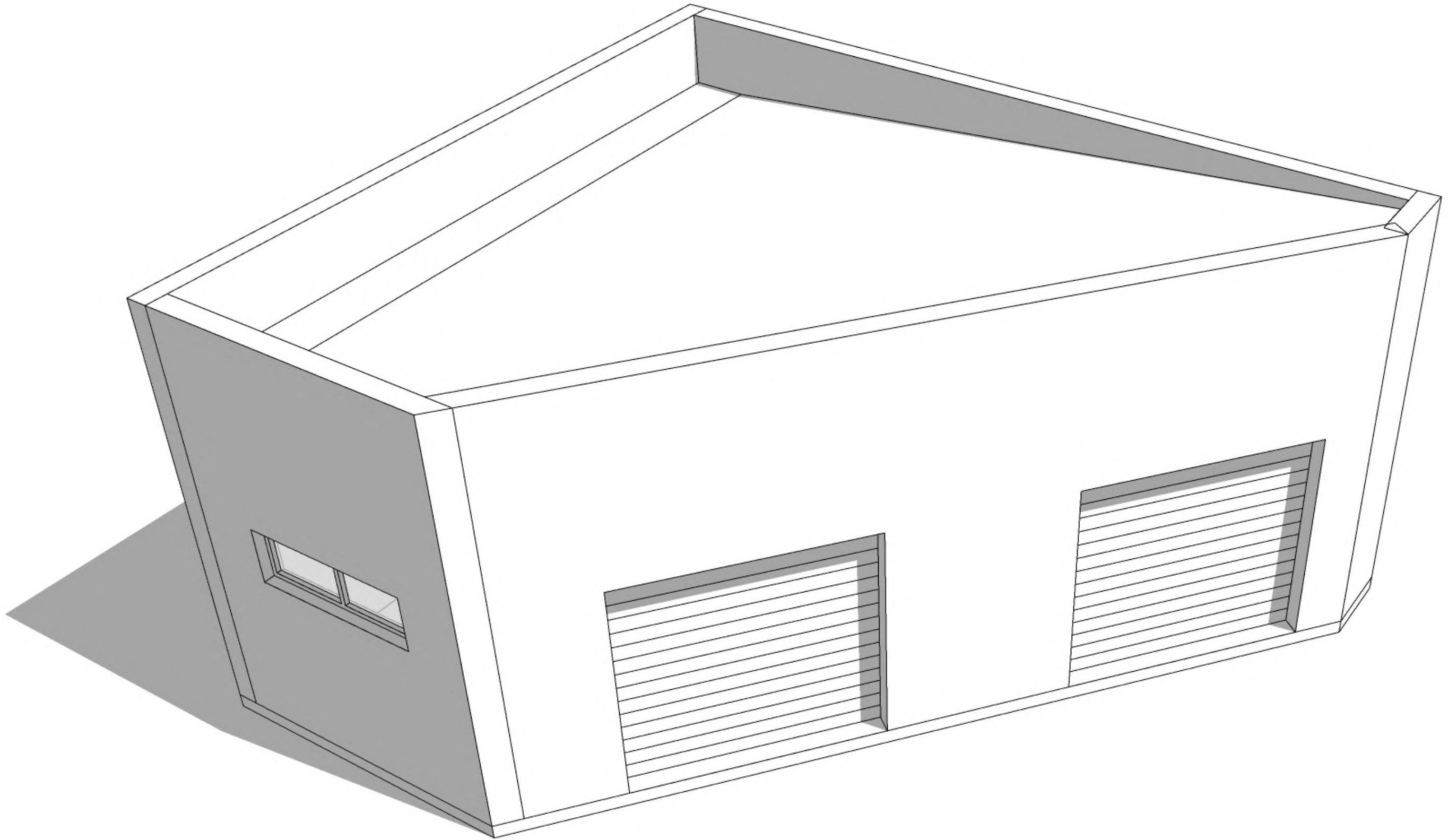
fish & meat section



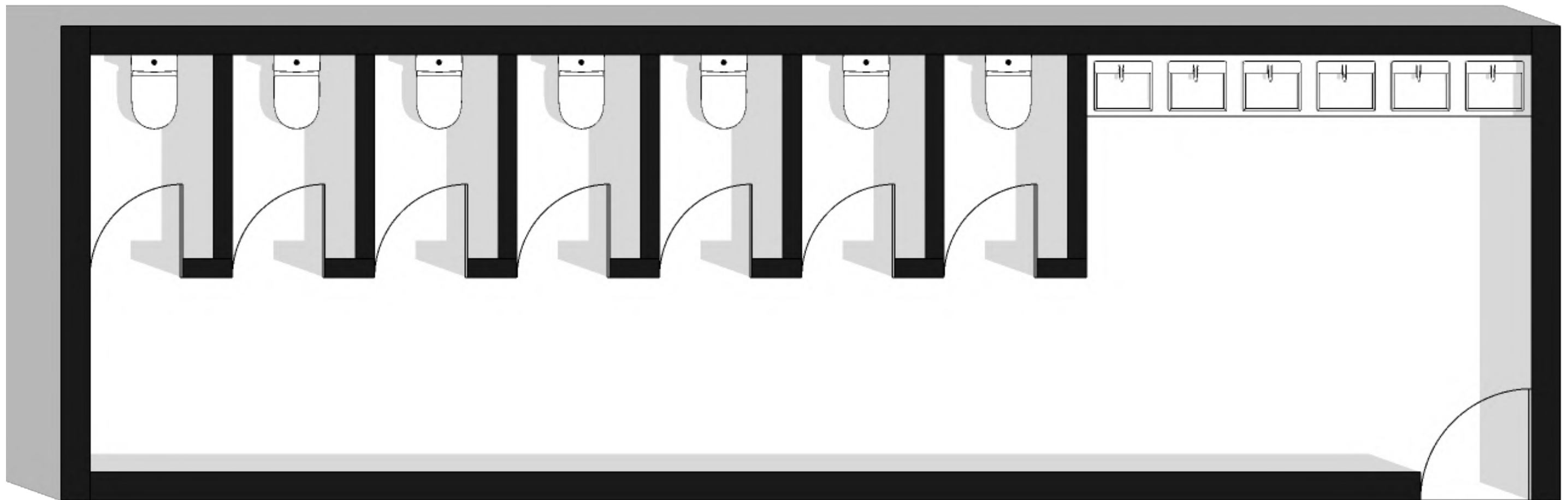


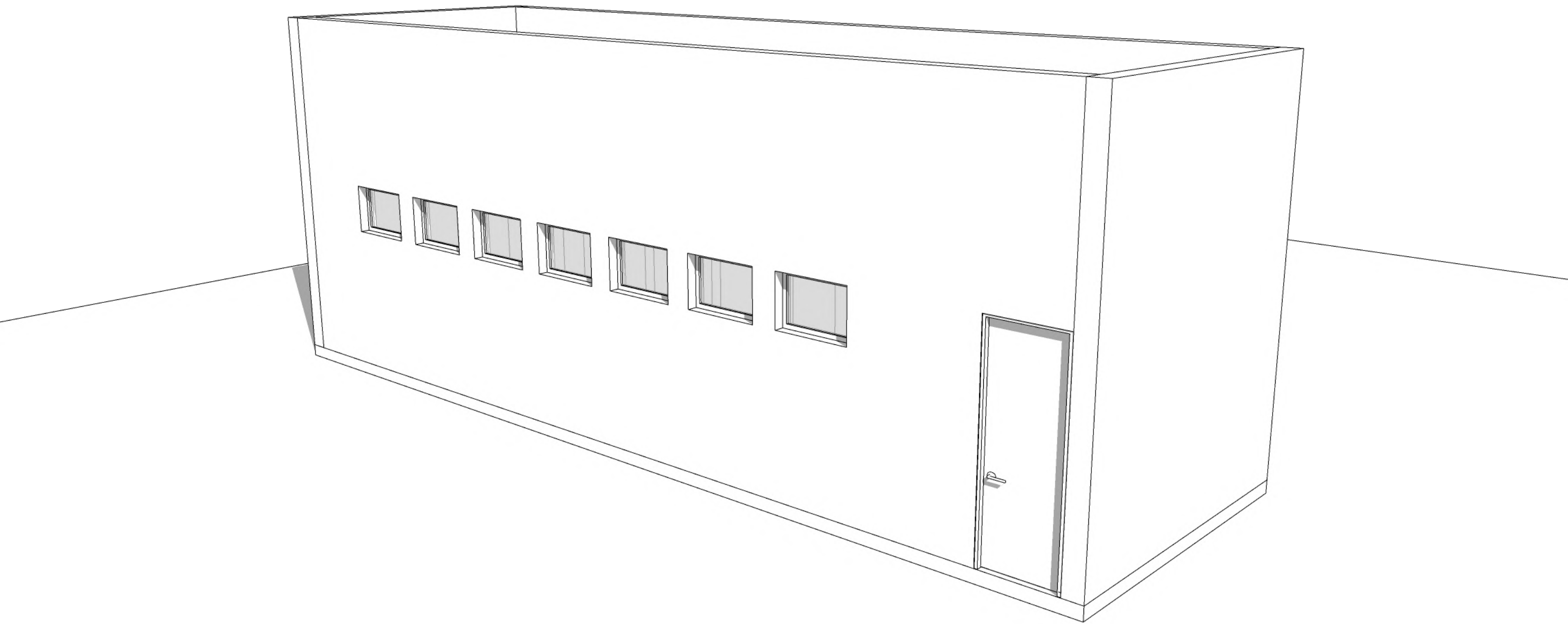
general storage



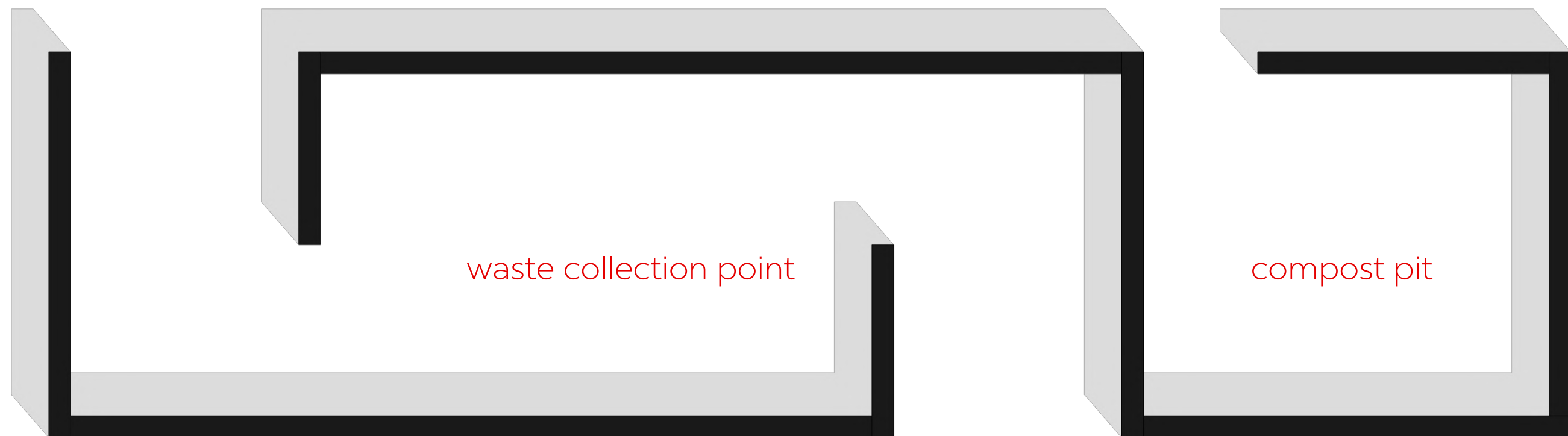


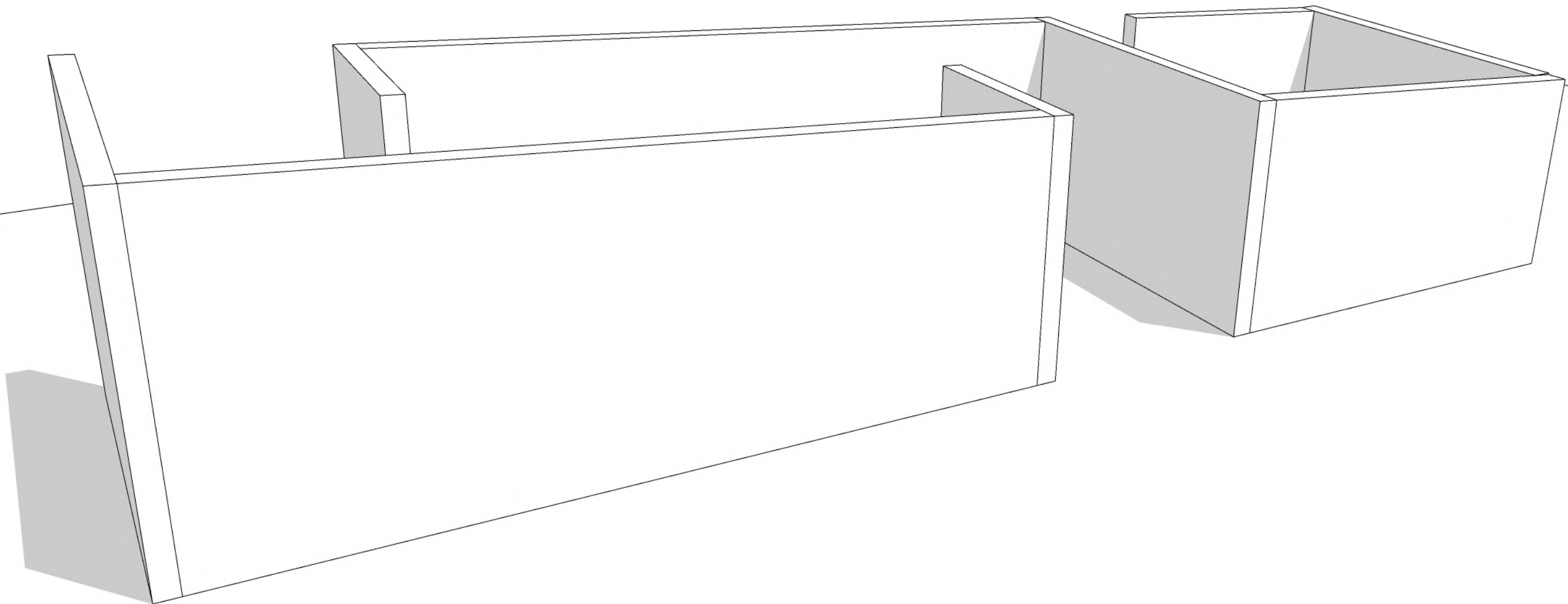
restroom

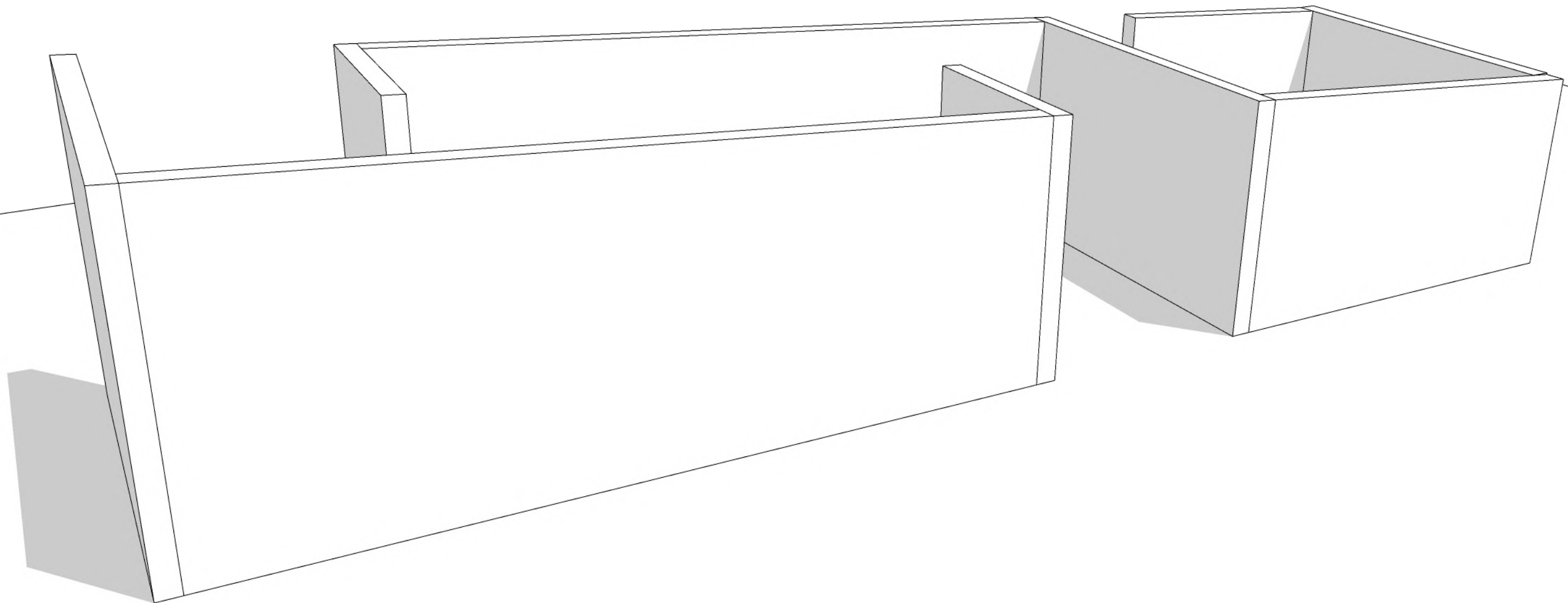




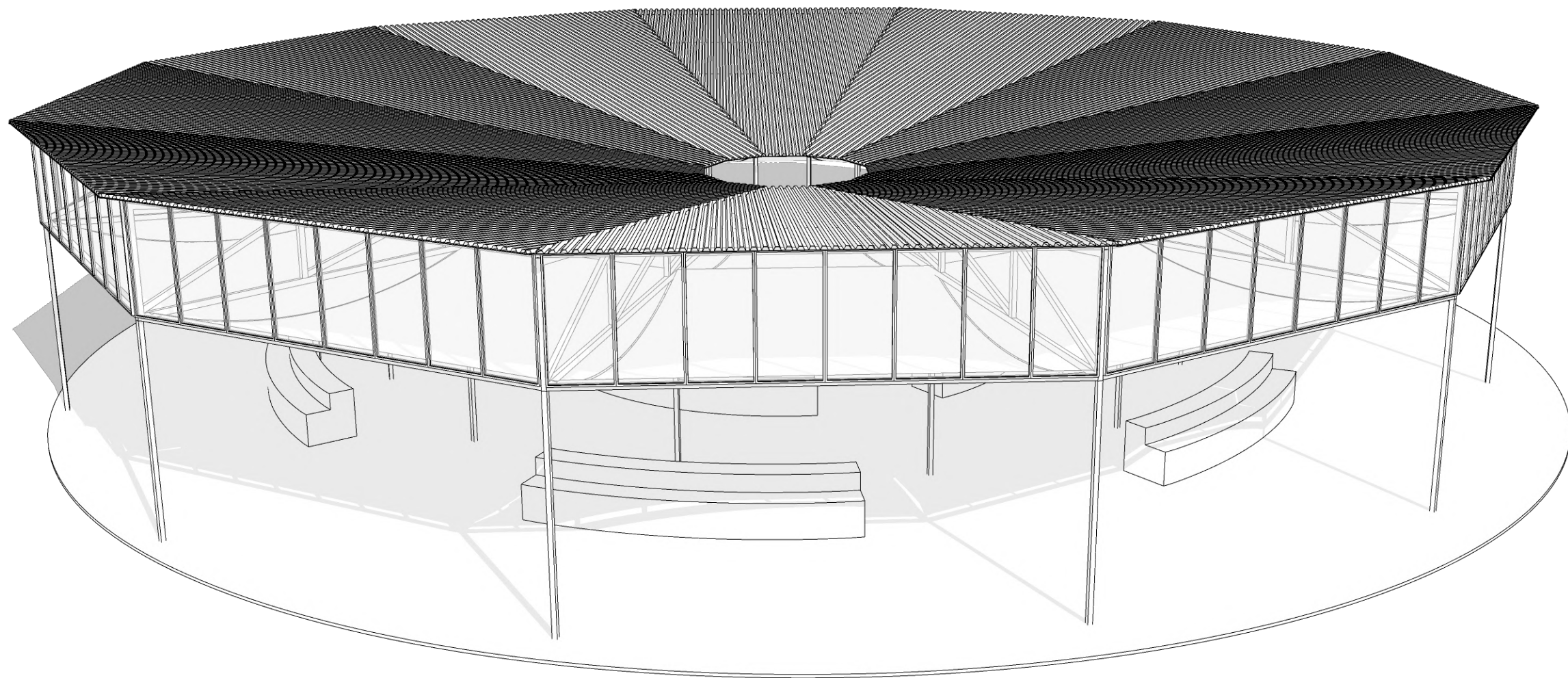
waste disposal



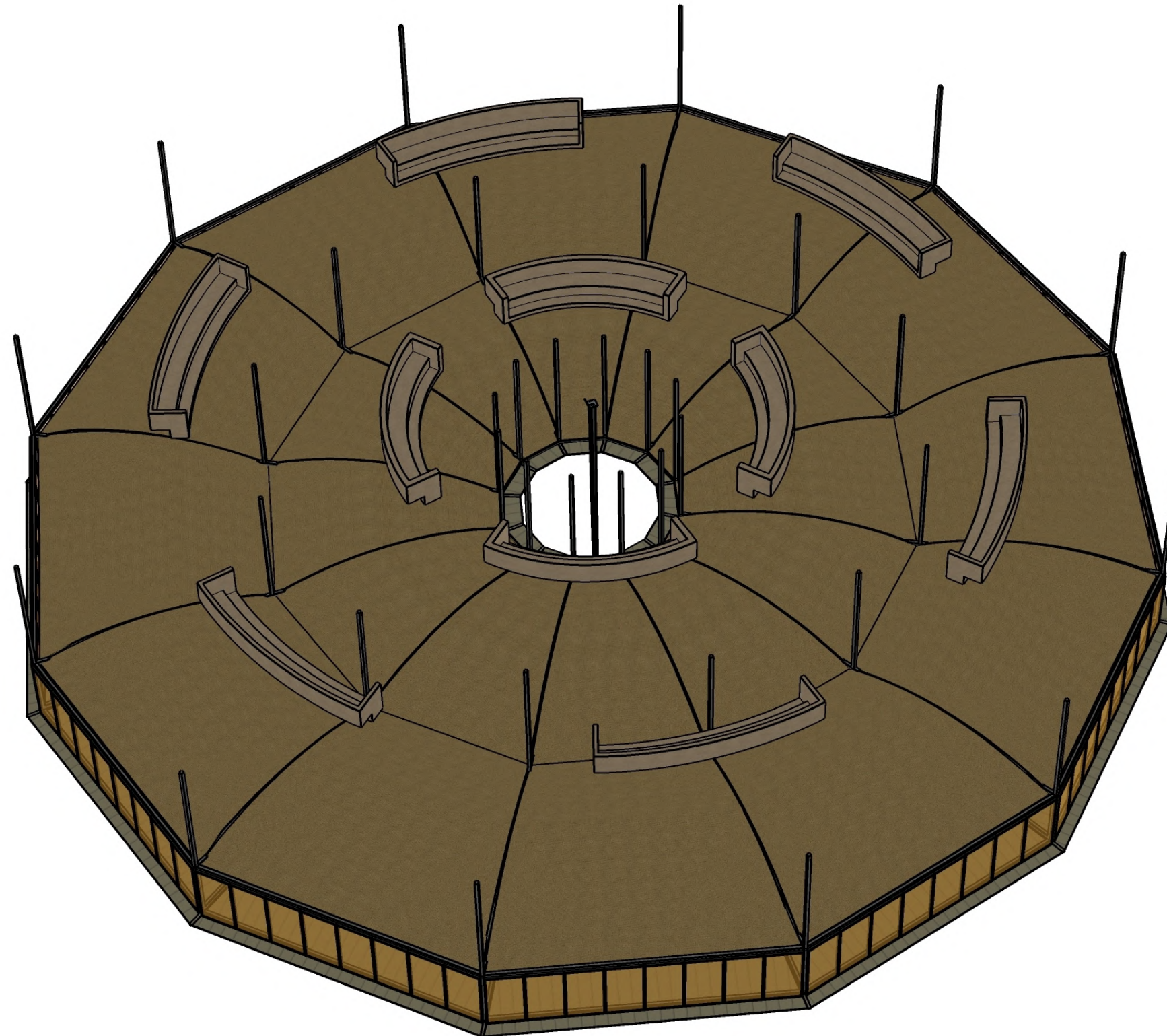


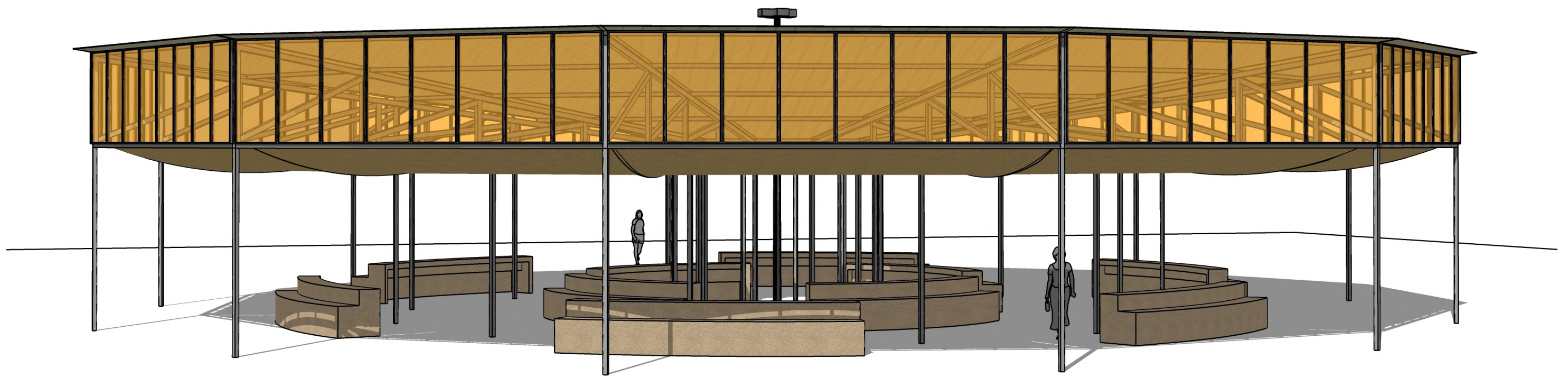


central shed



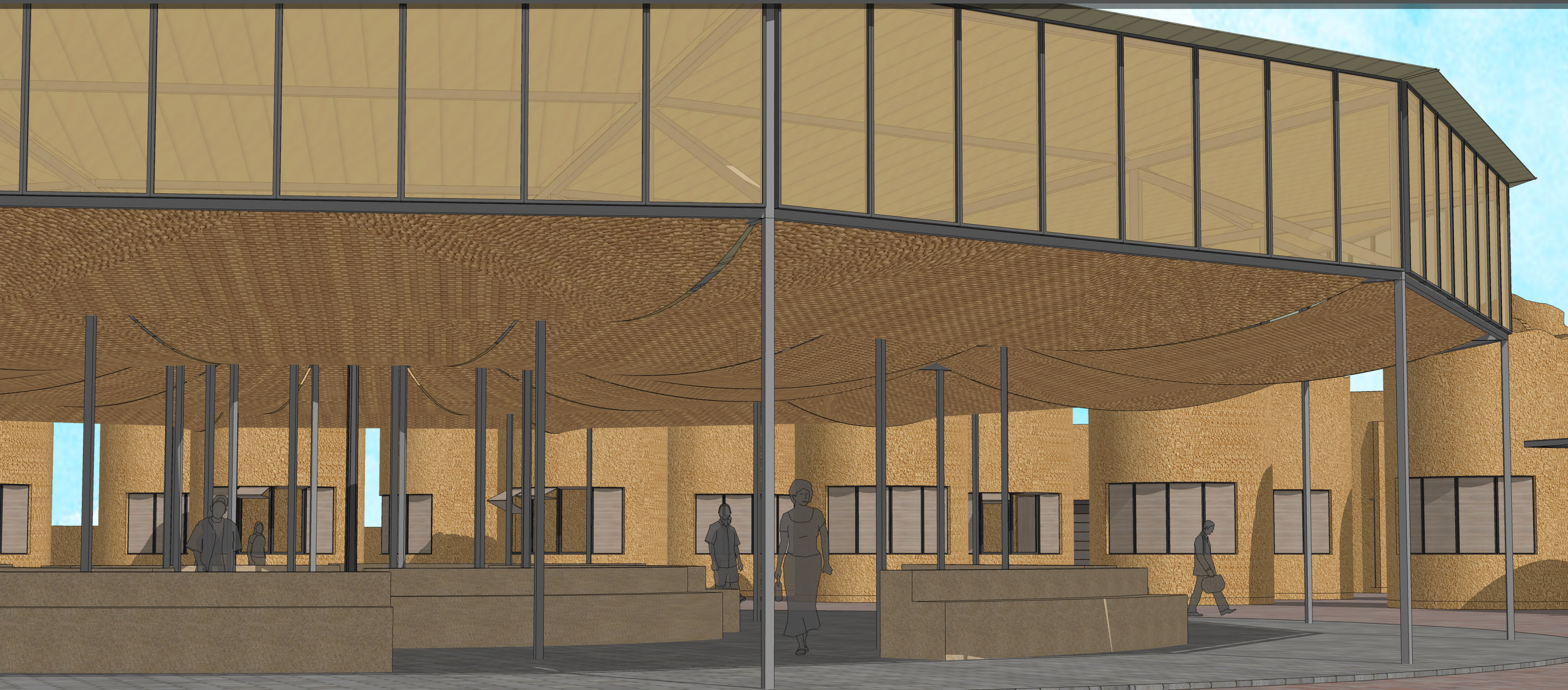
central shed: perspective view of ceiling showing cascading mats





detailed illustrations

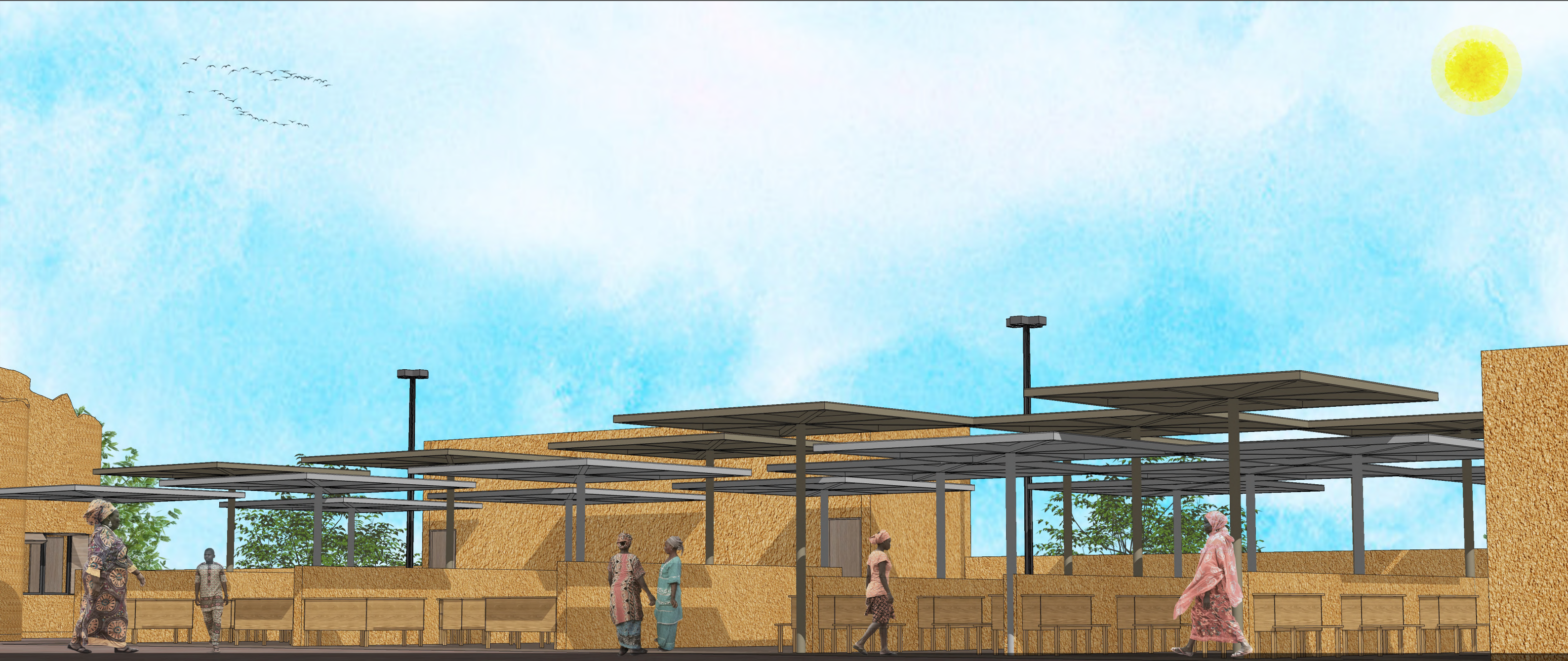




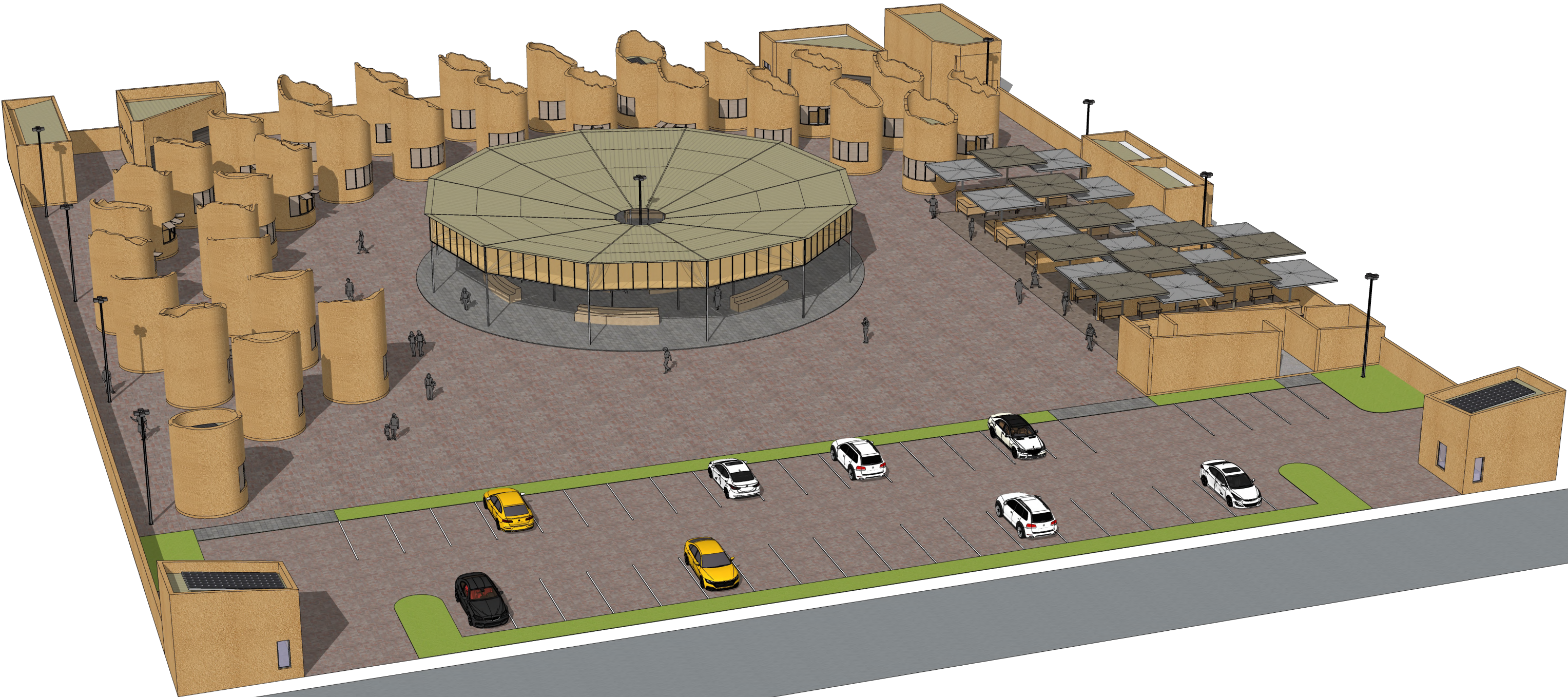




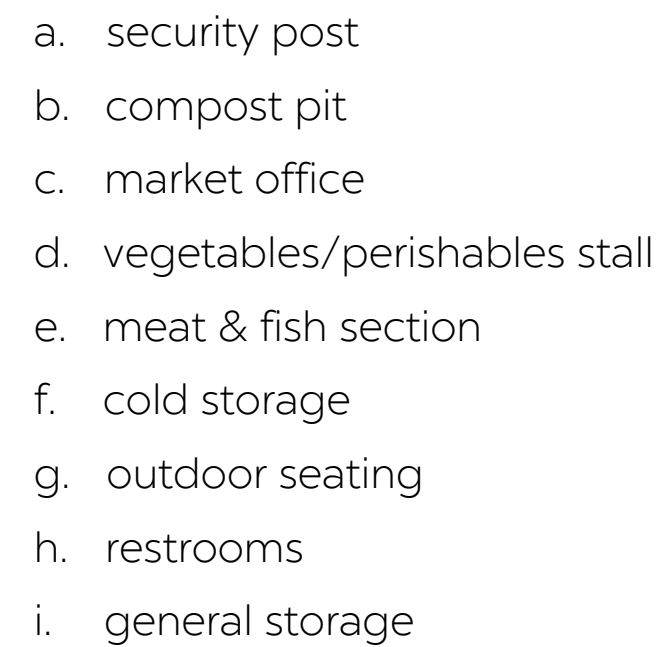




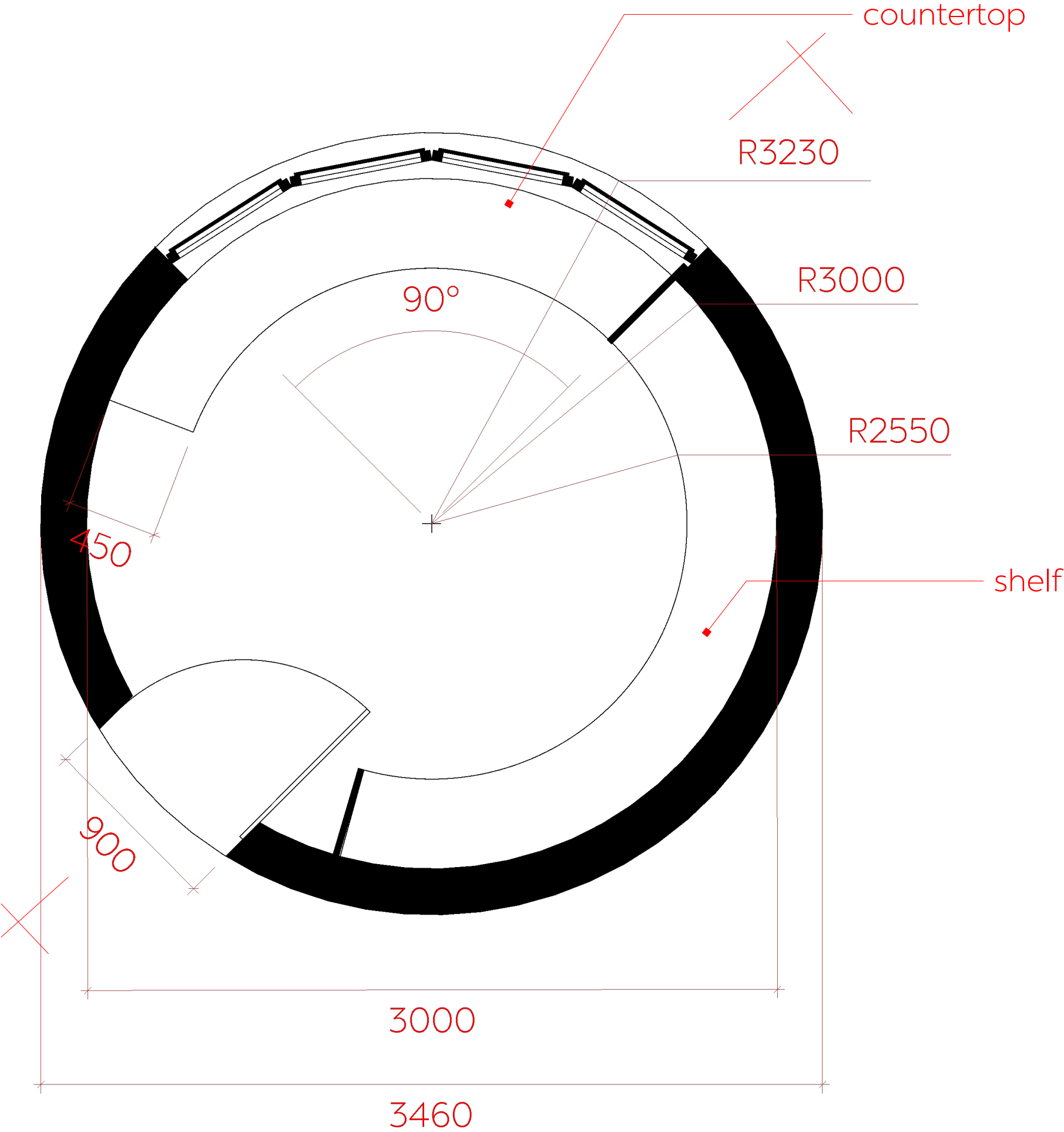




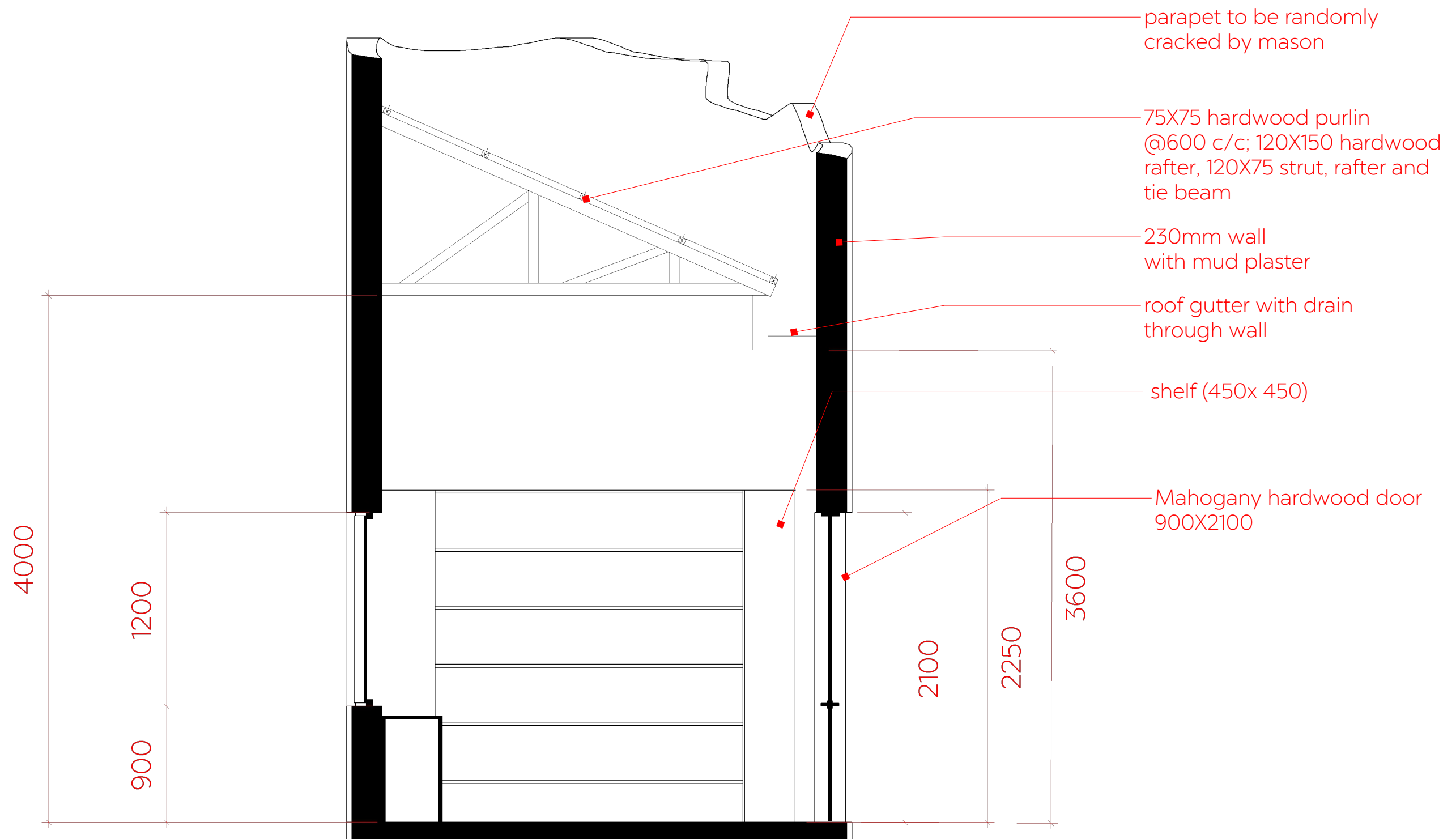
construction drawings

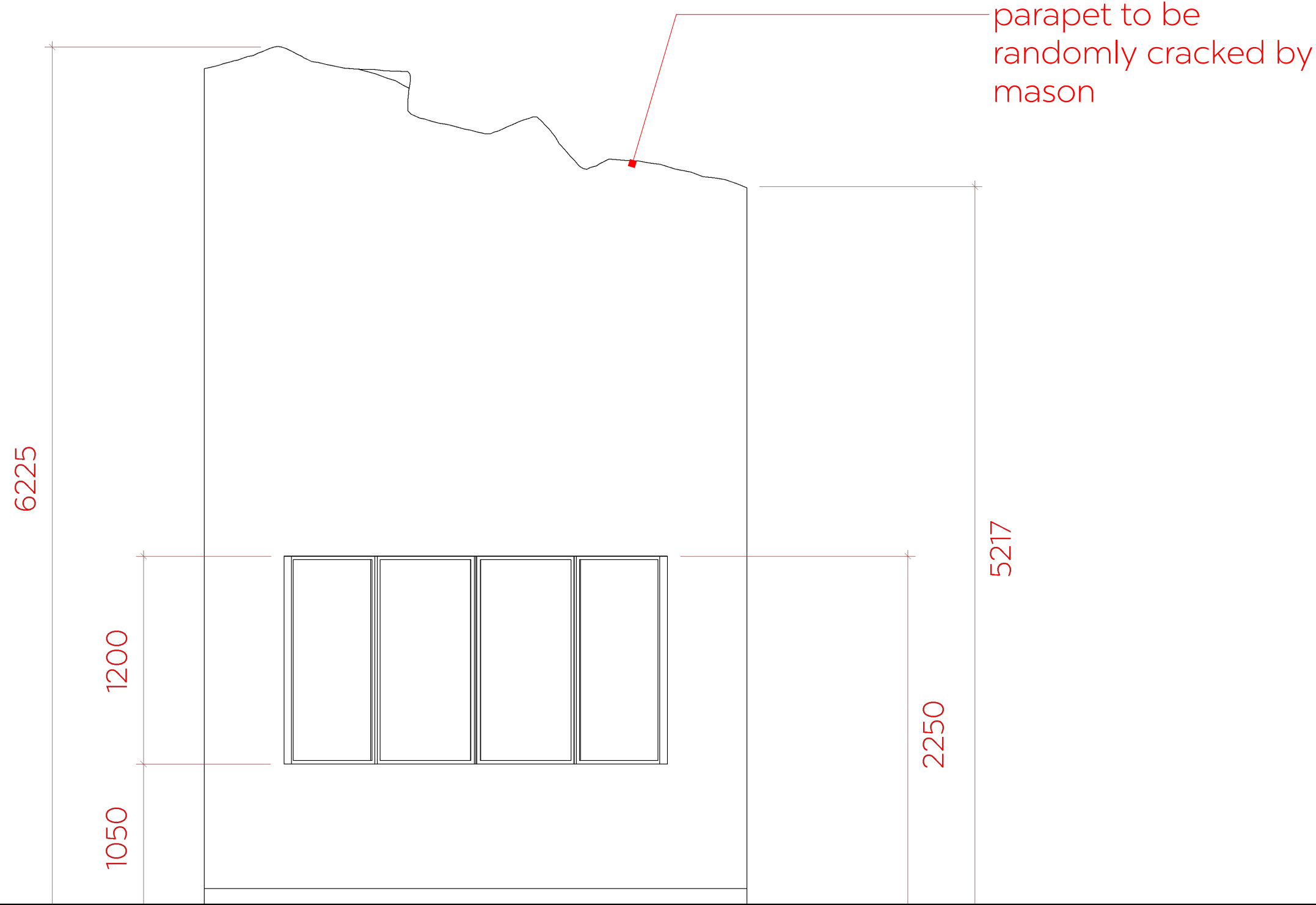


lock-up stalls



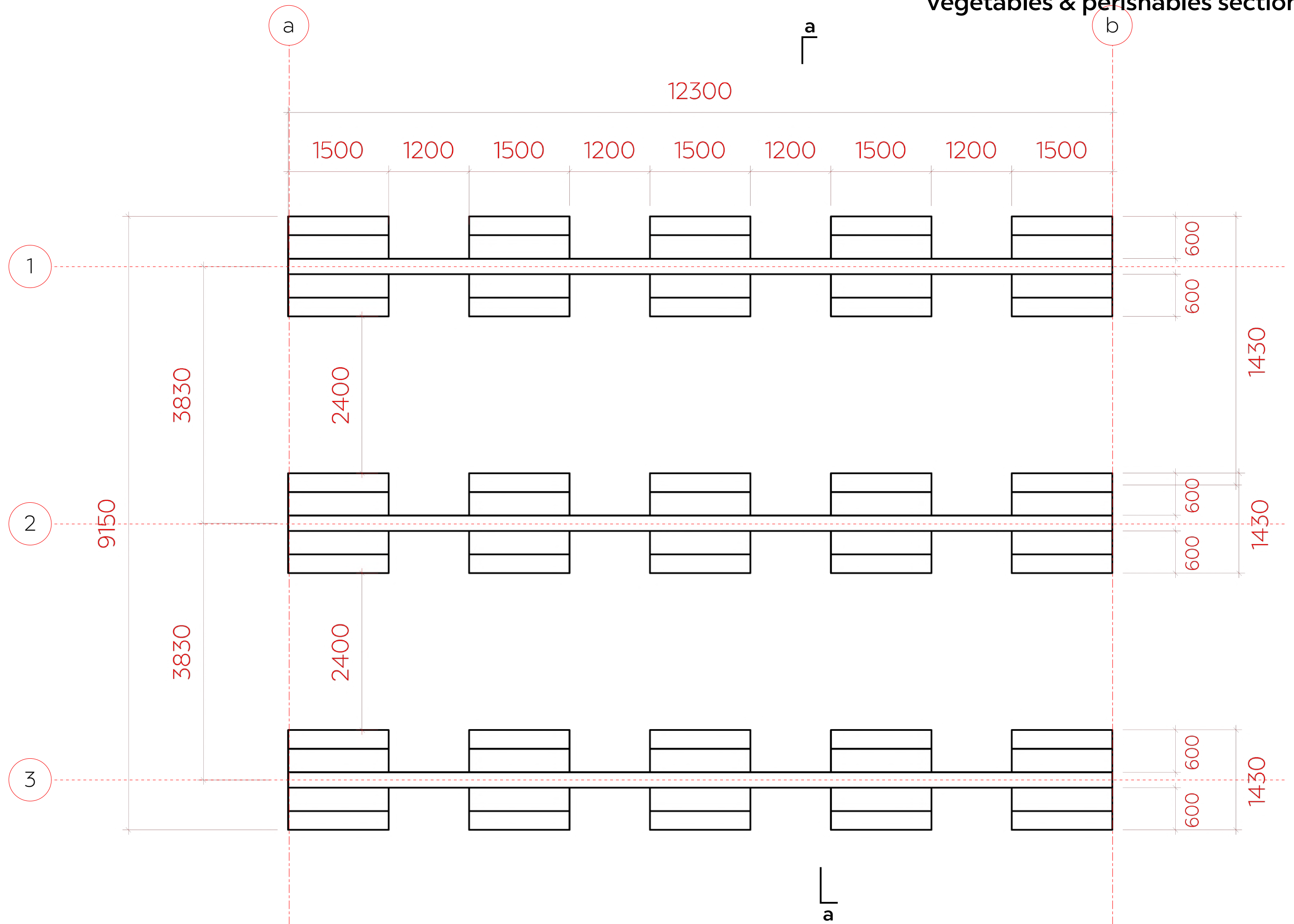
lock-up stall: section



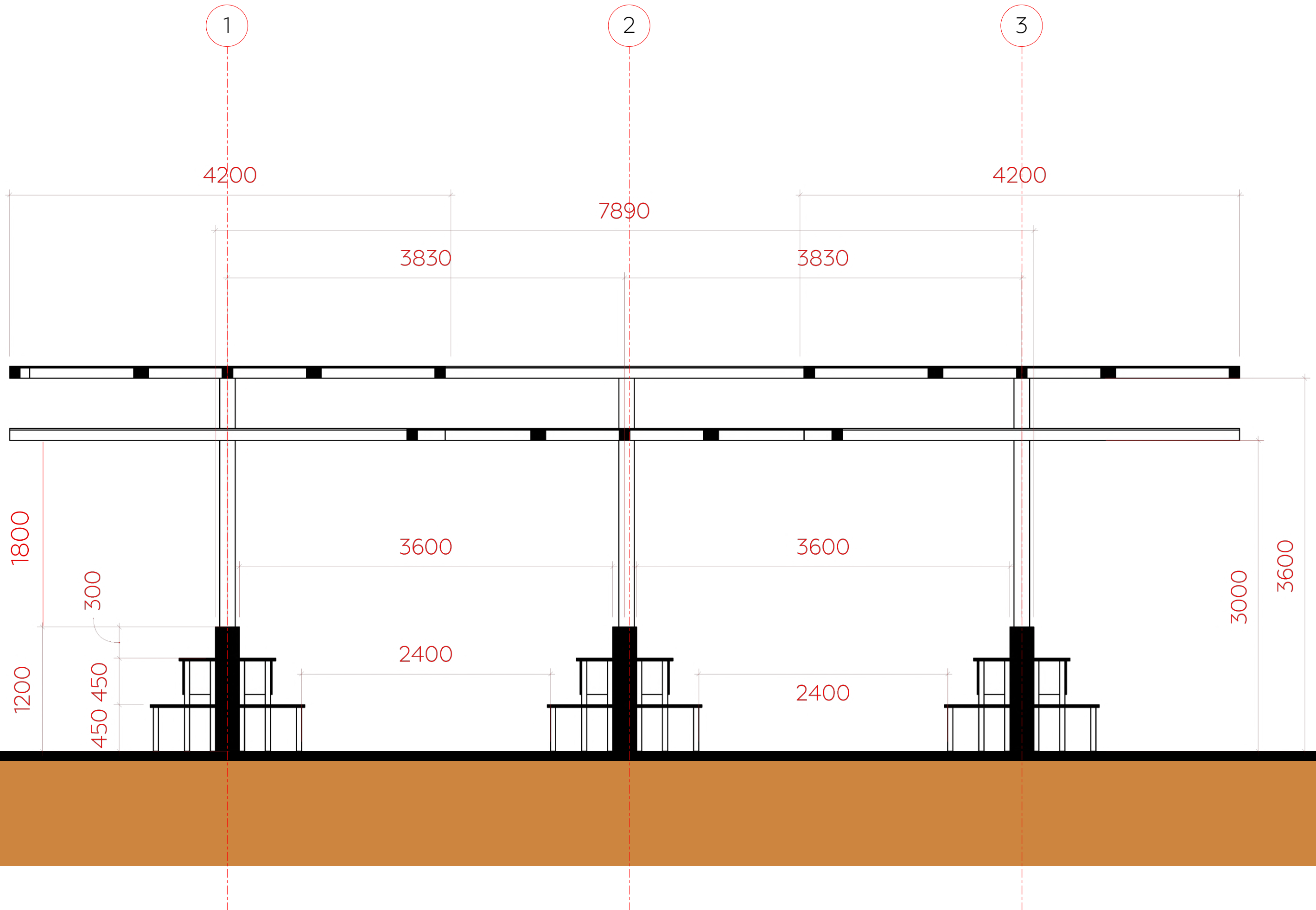


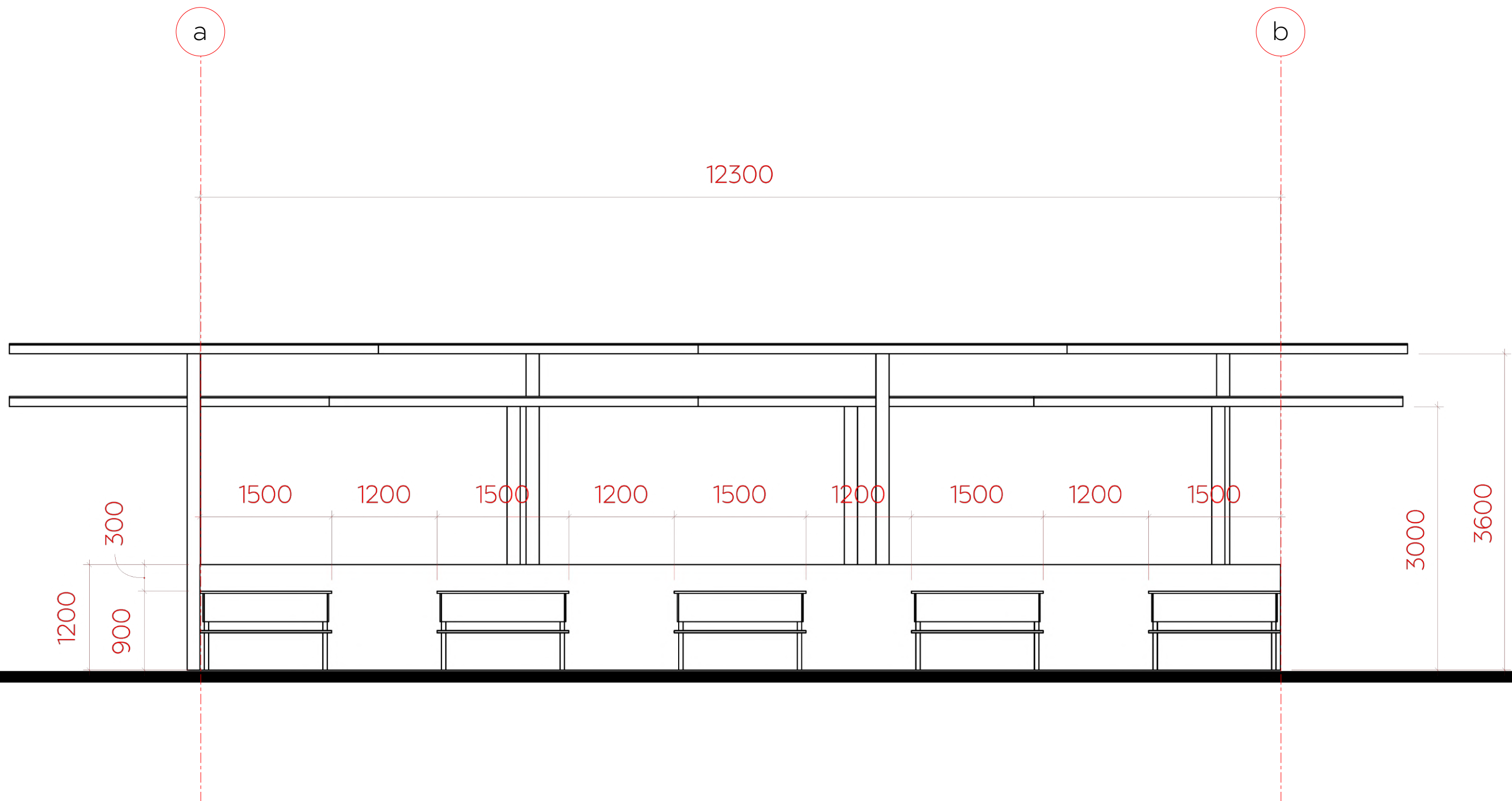
vegetables & perishables section

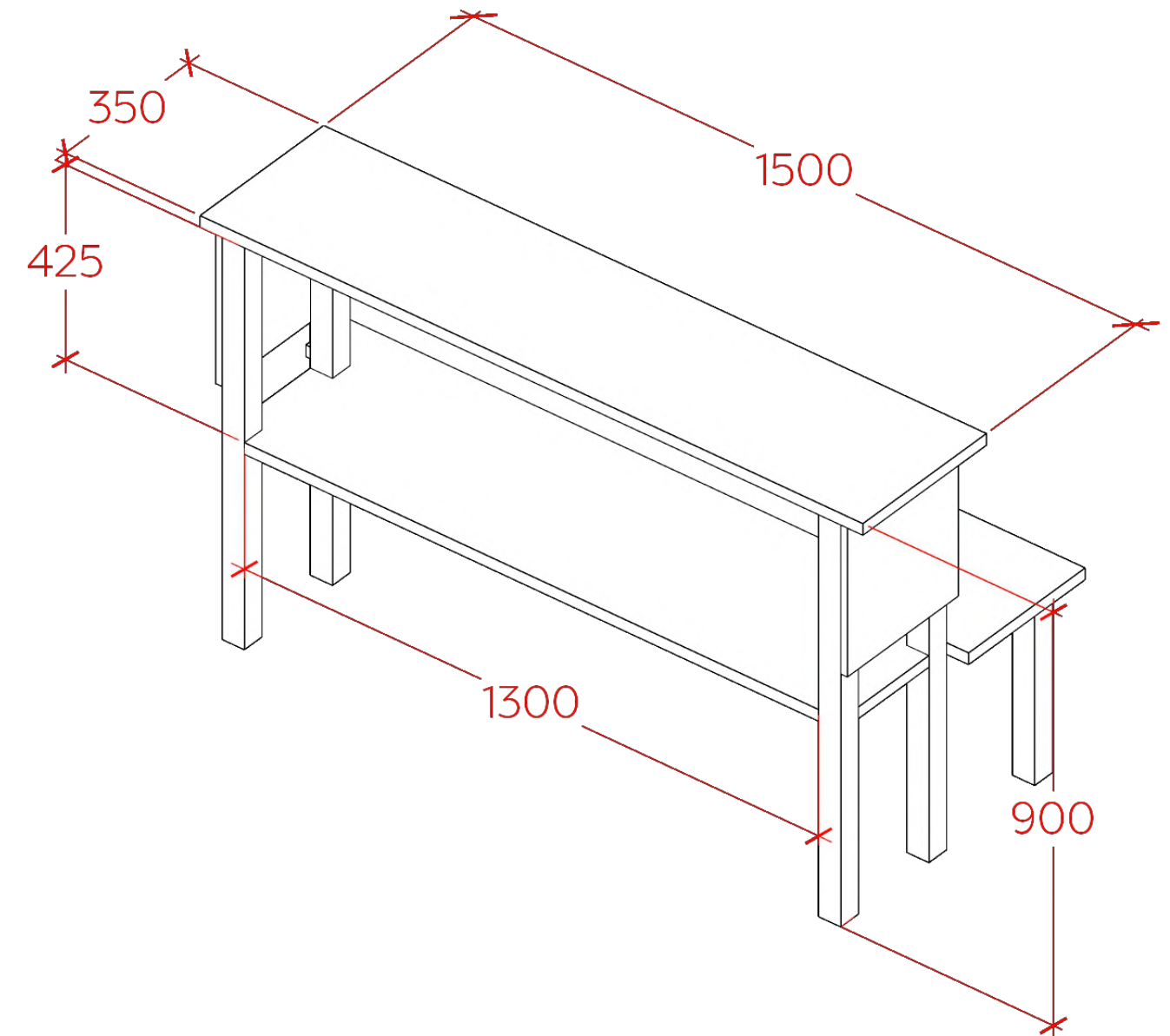
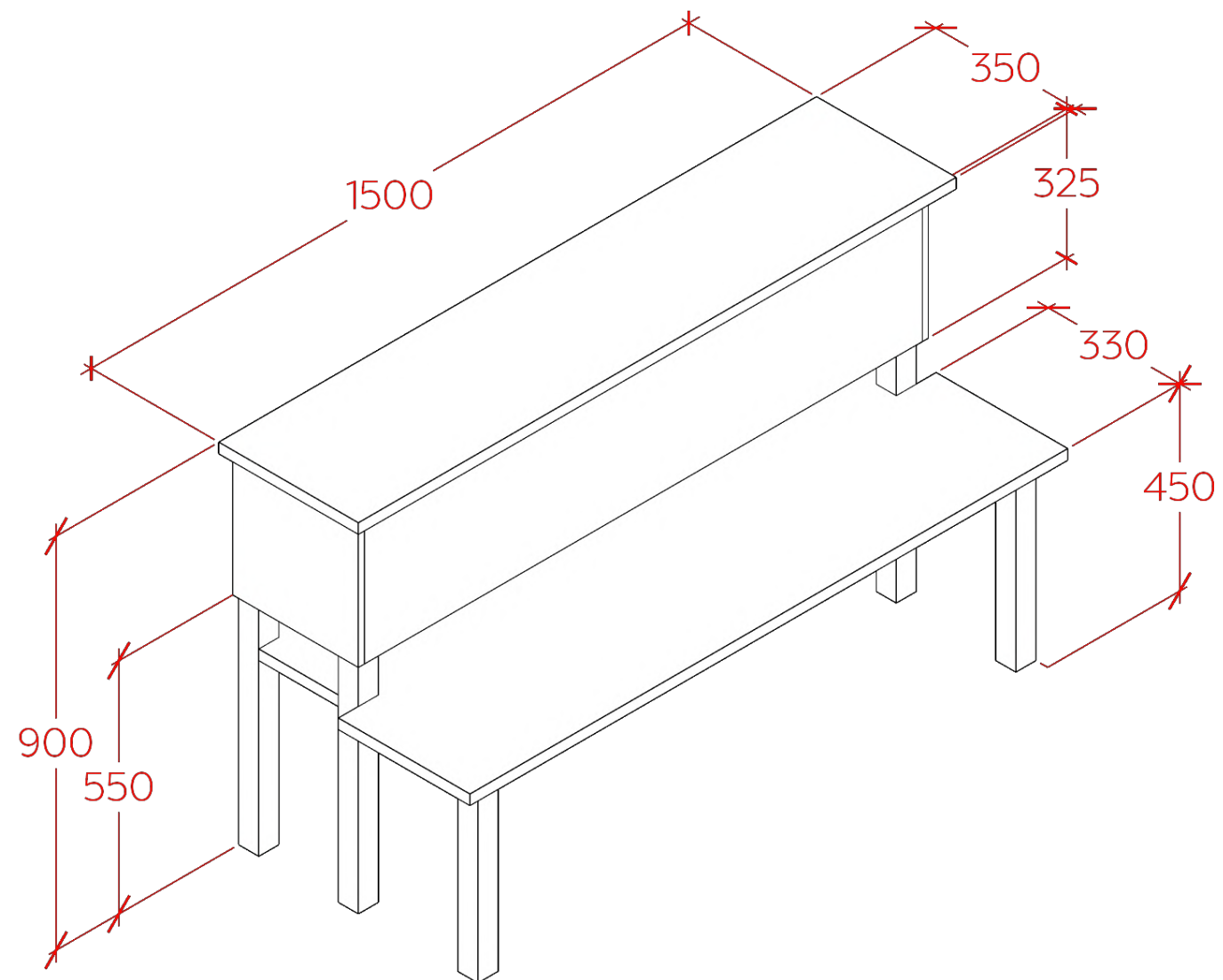
vegetables & perishables section: plan



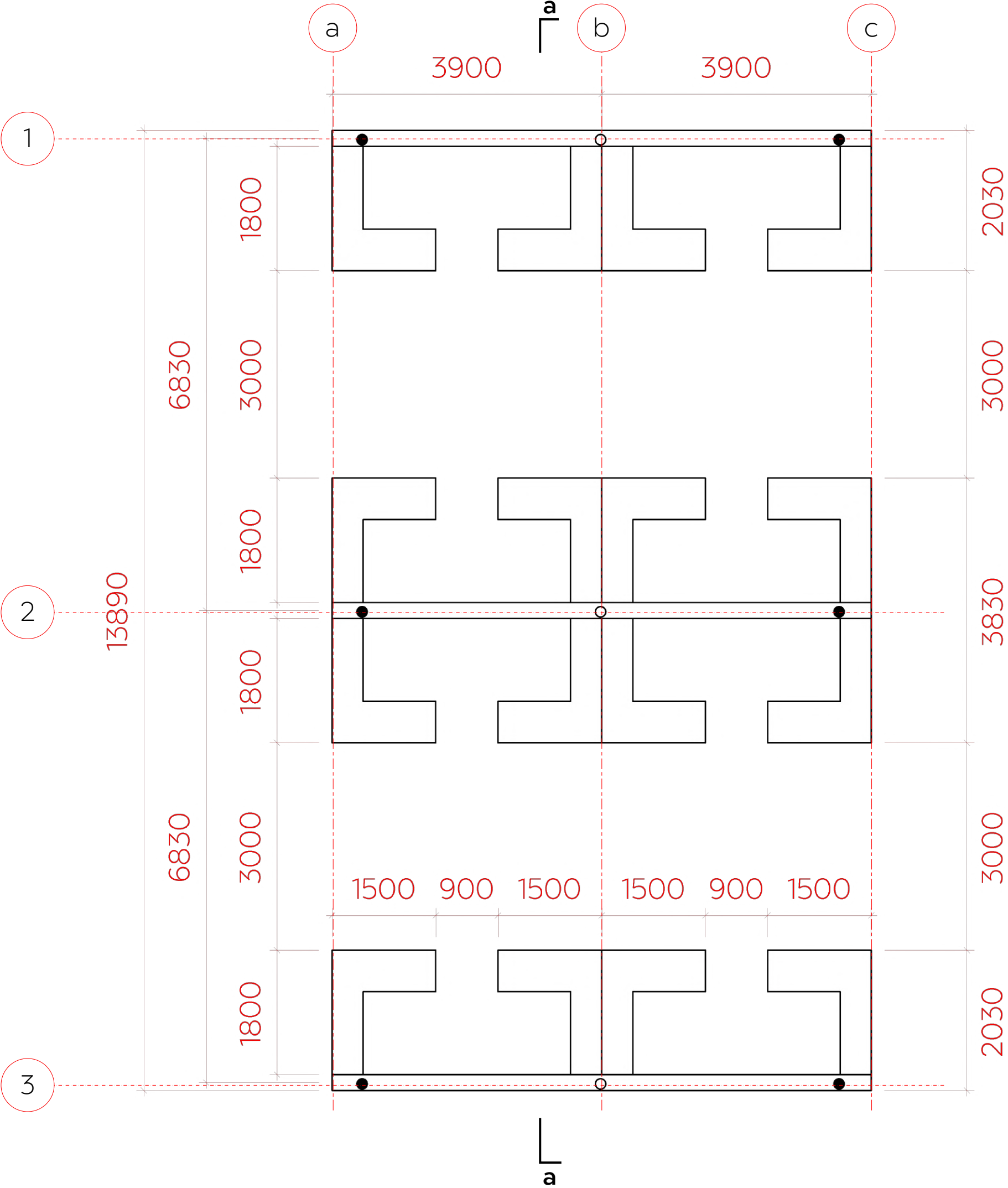
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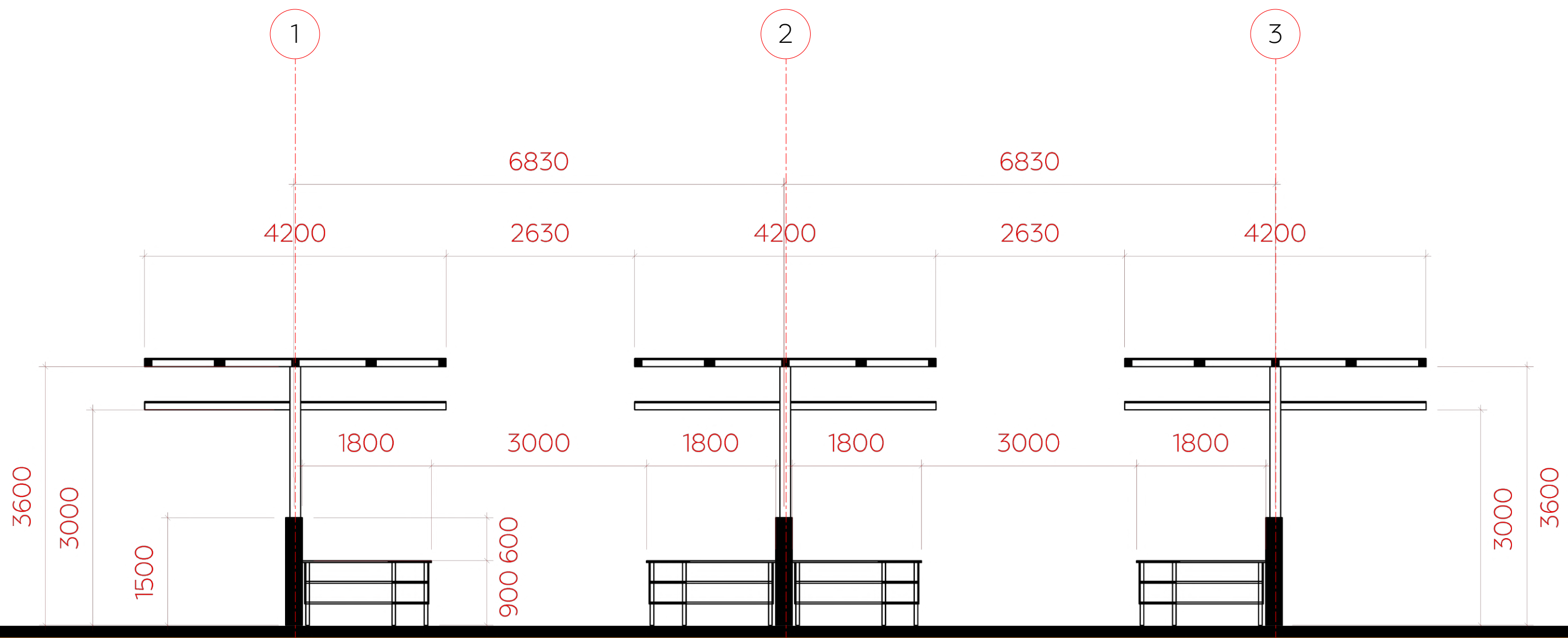


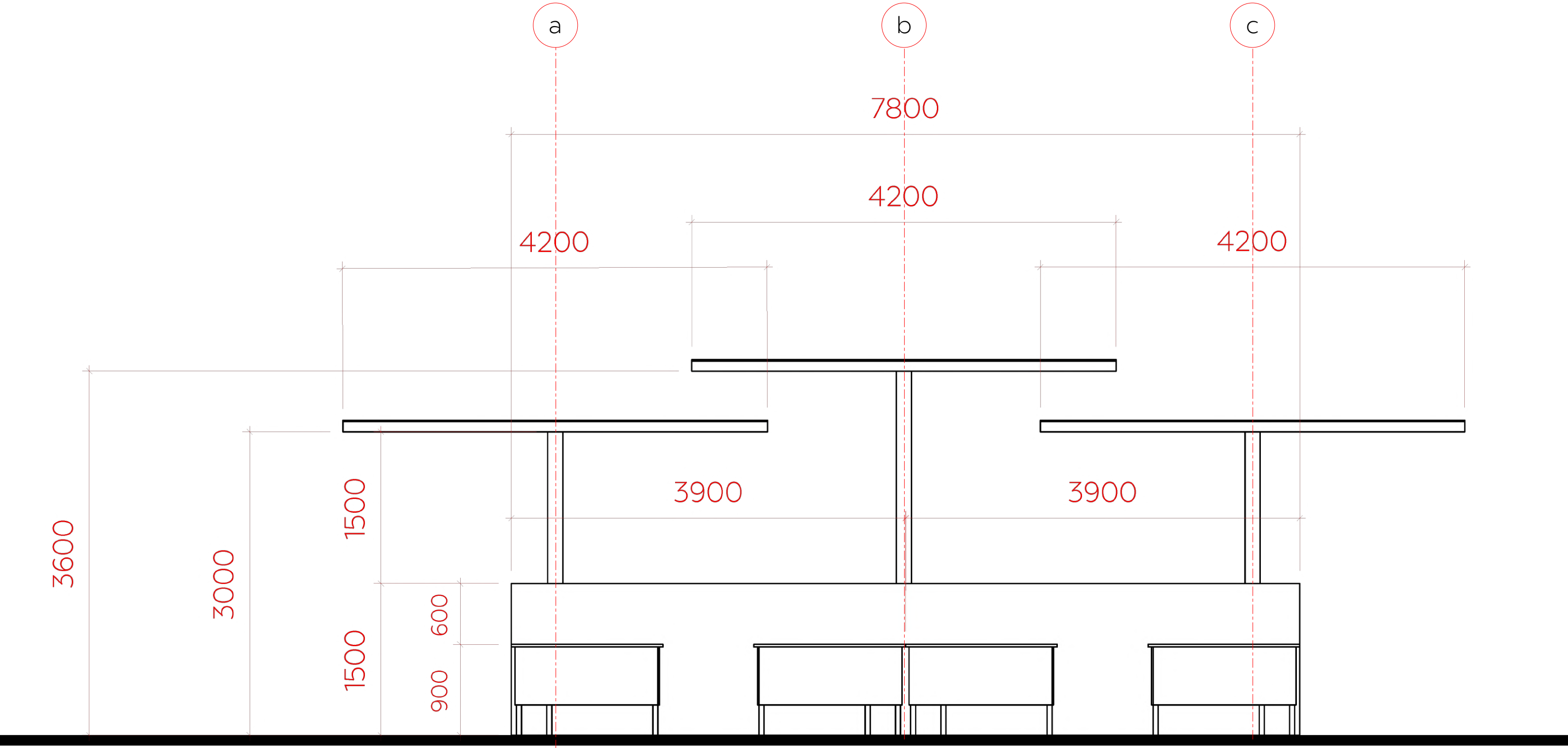


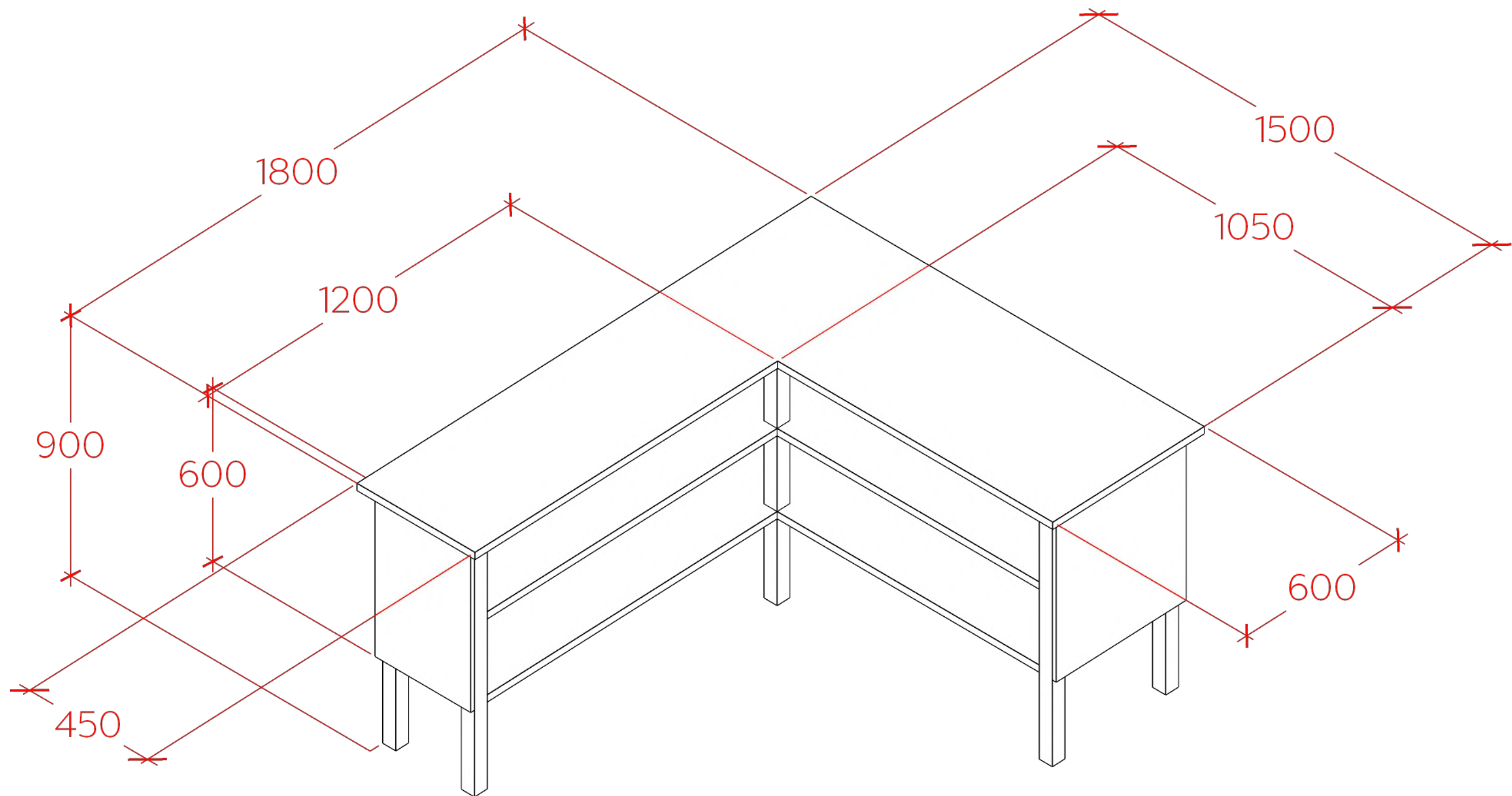


fish & meat section

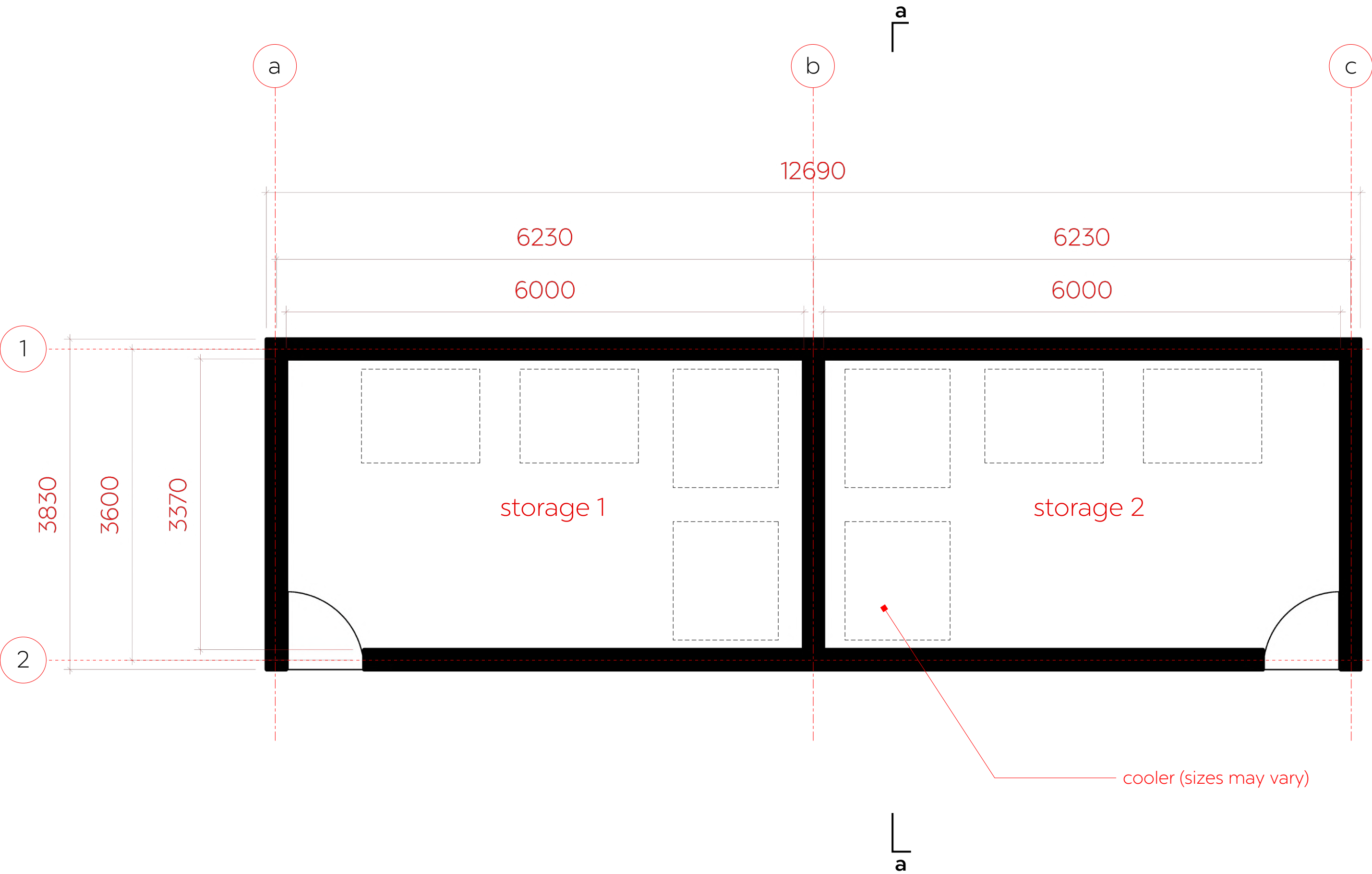


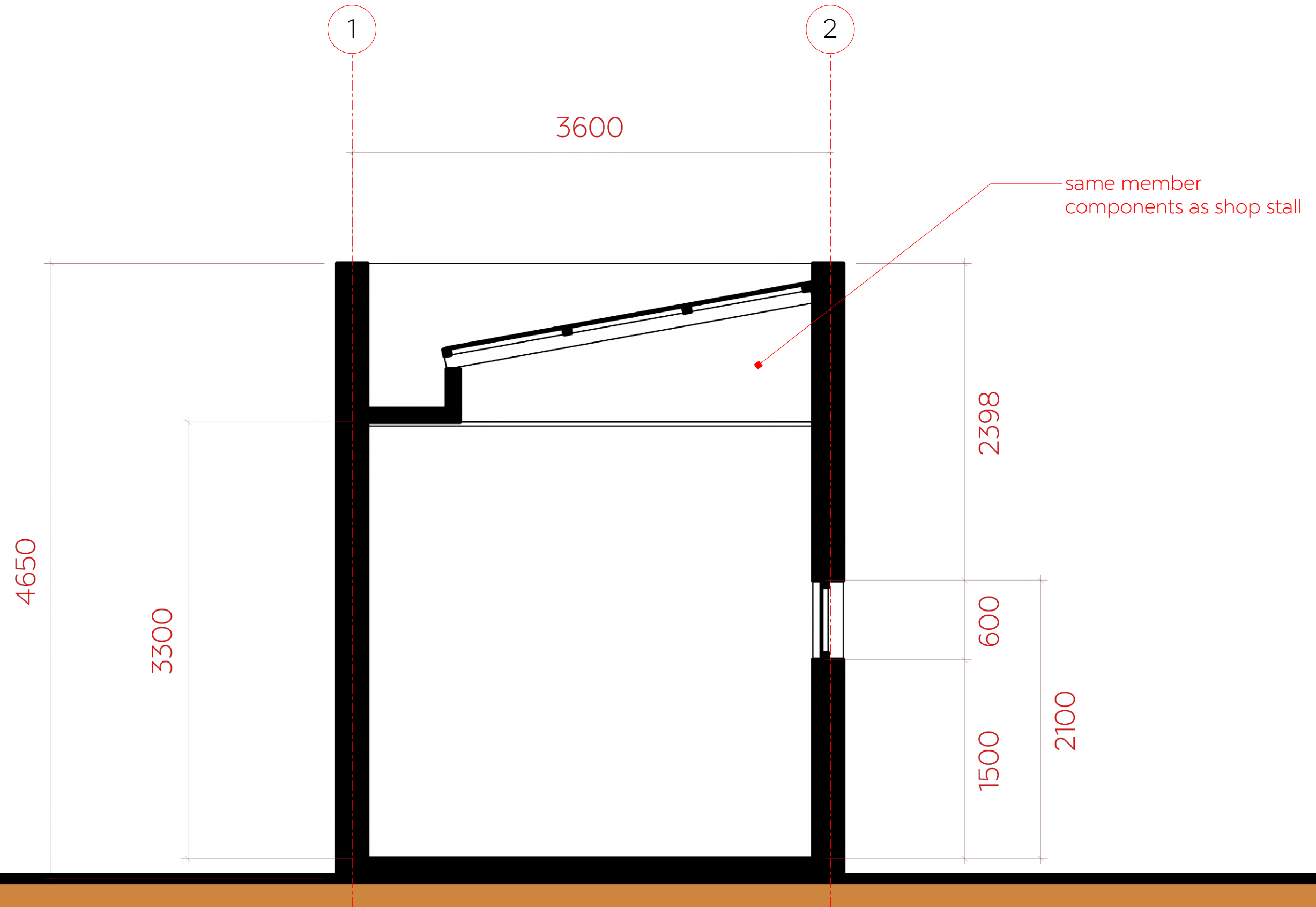


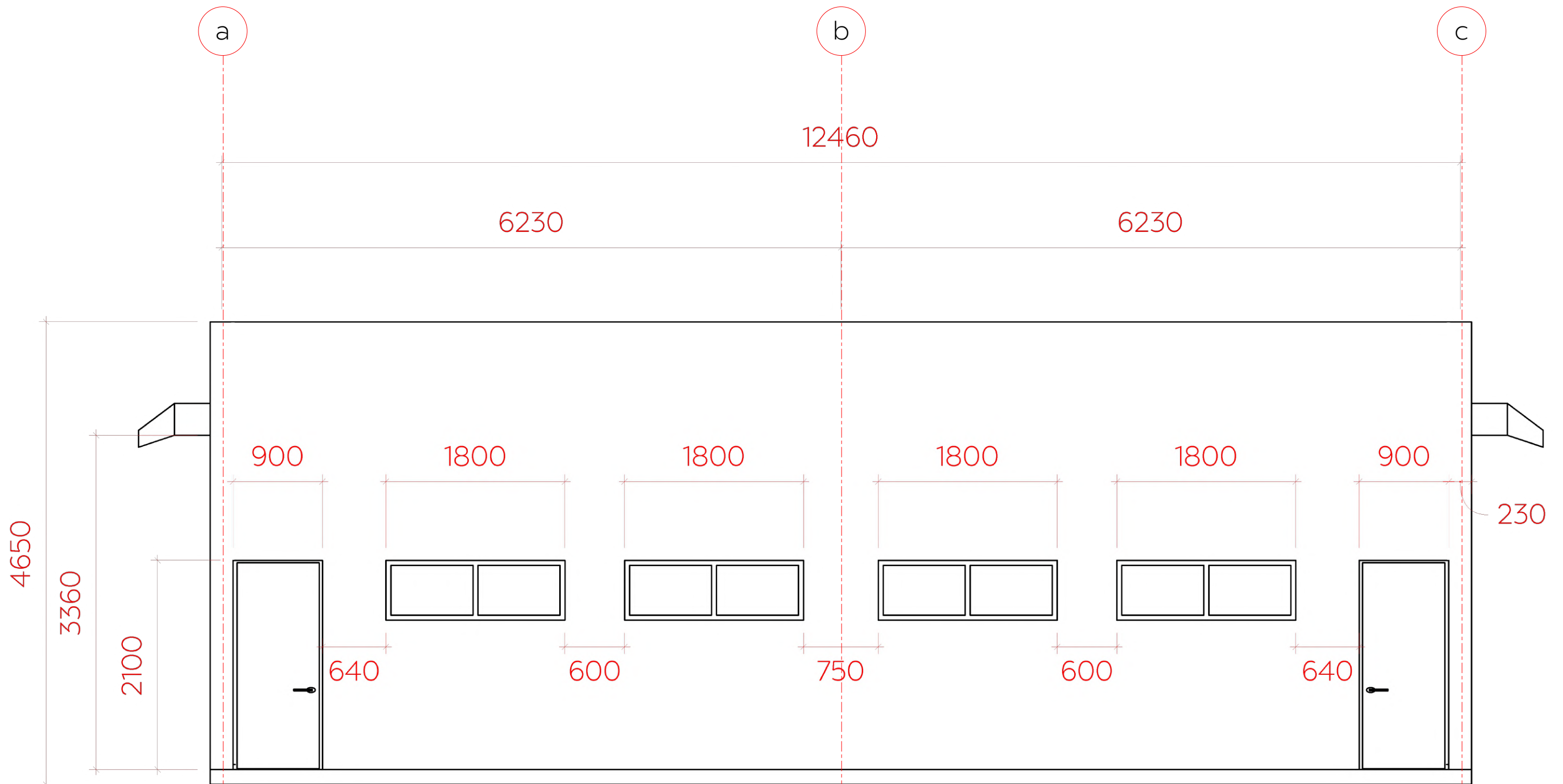




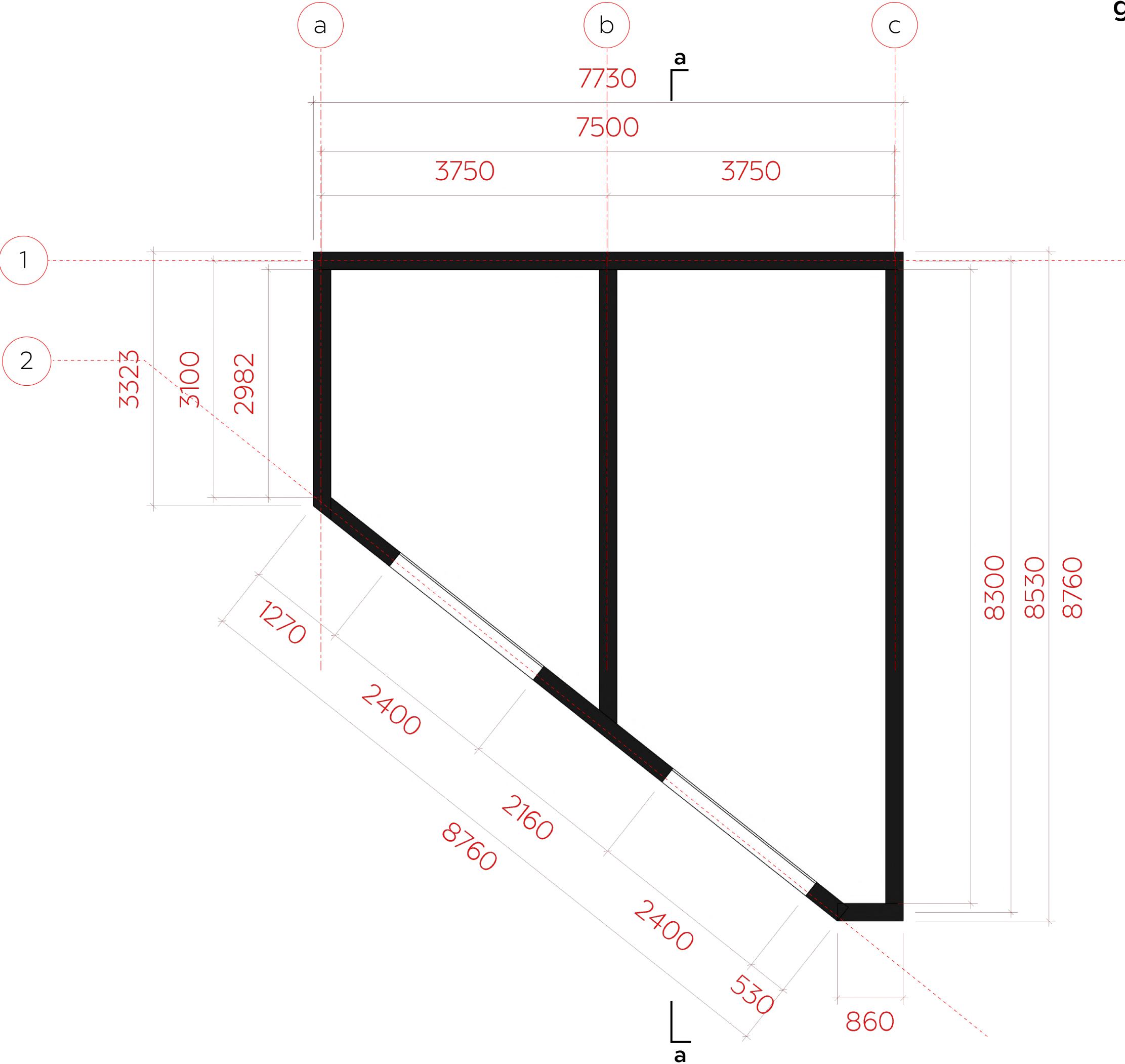
cold storage

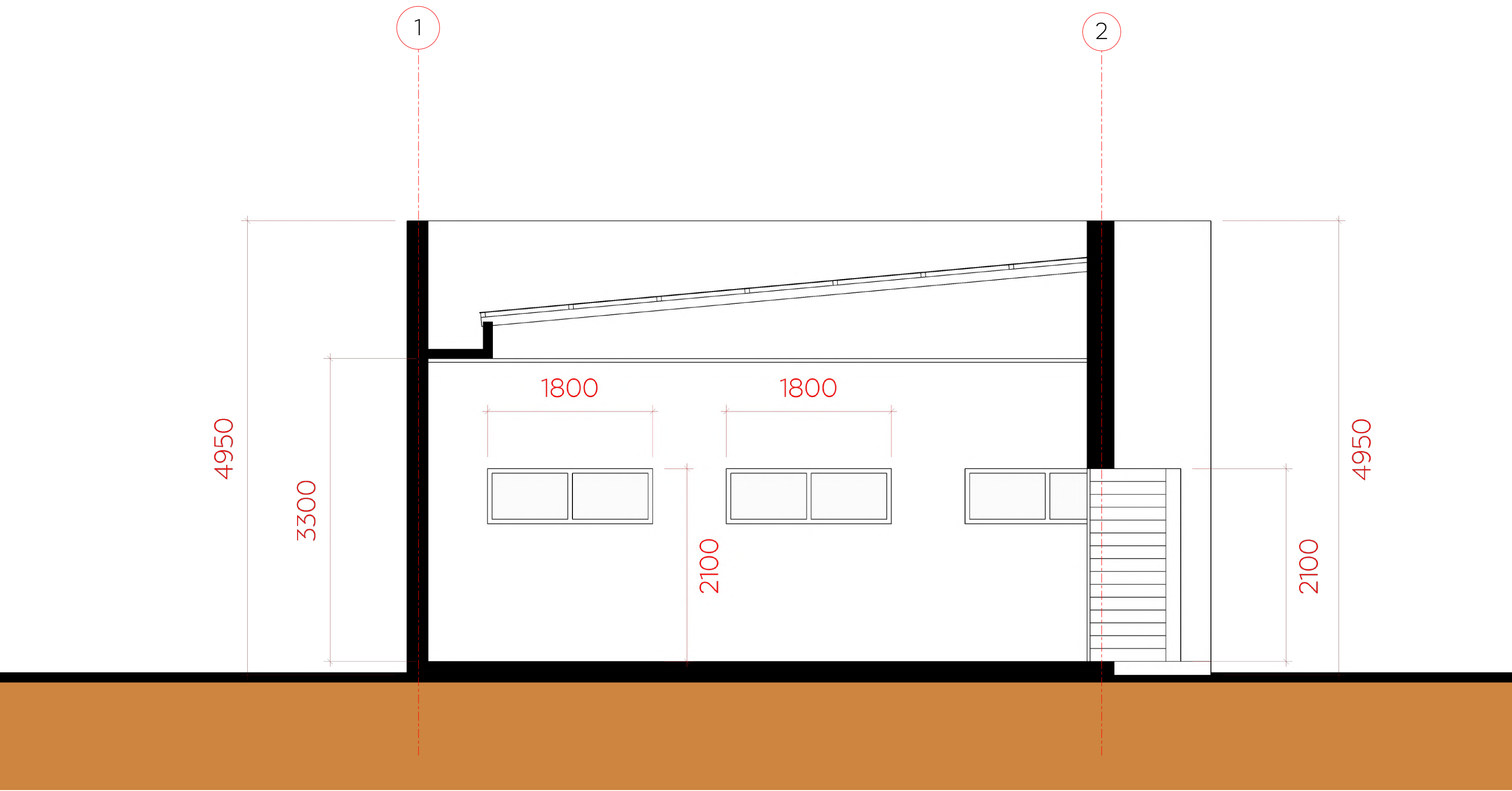


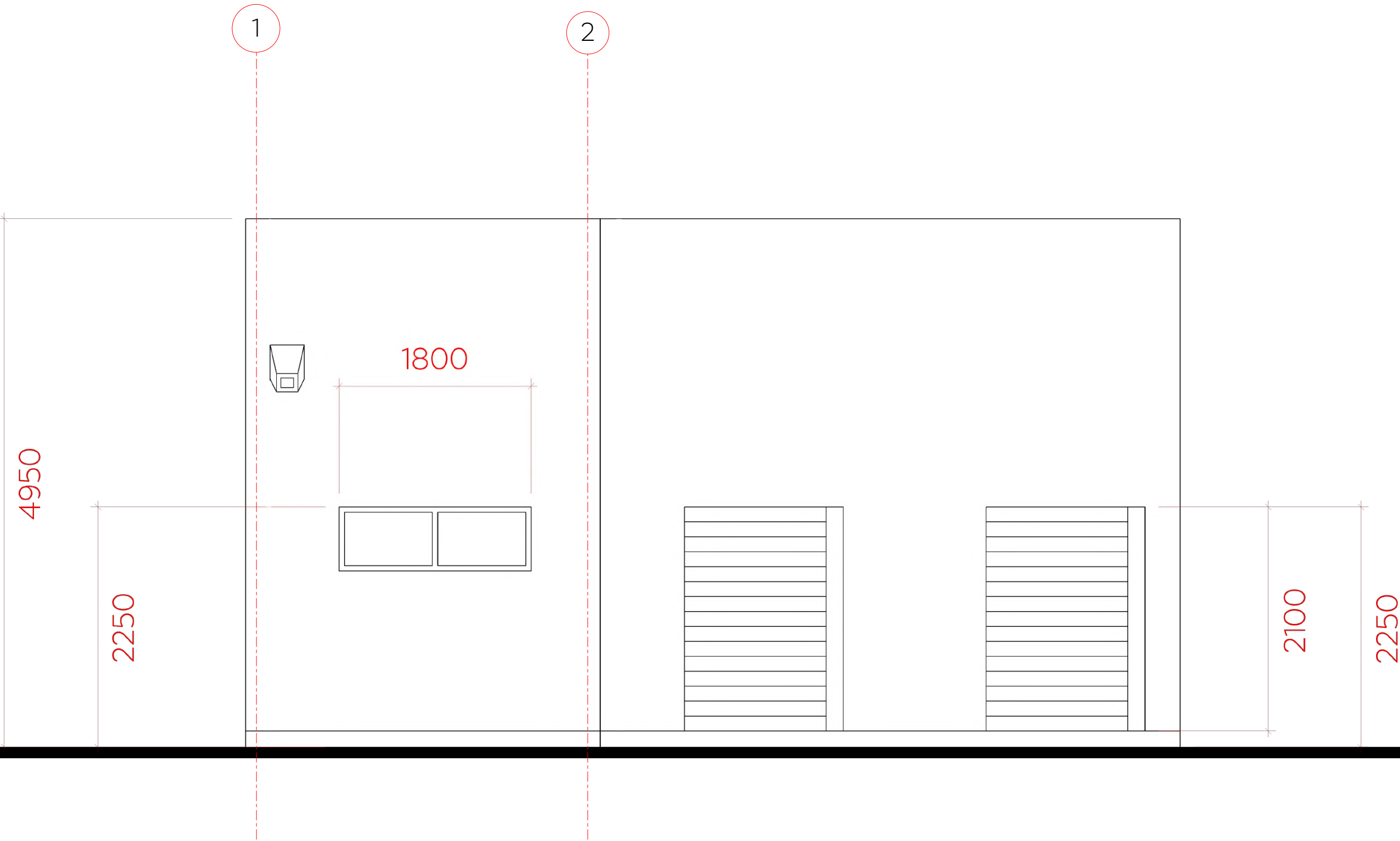




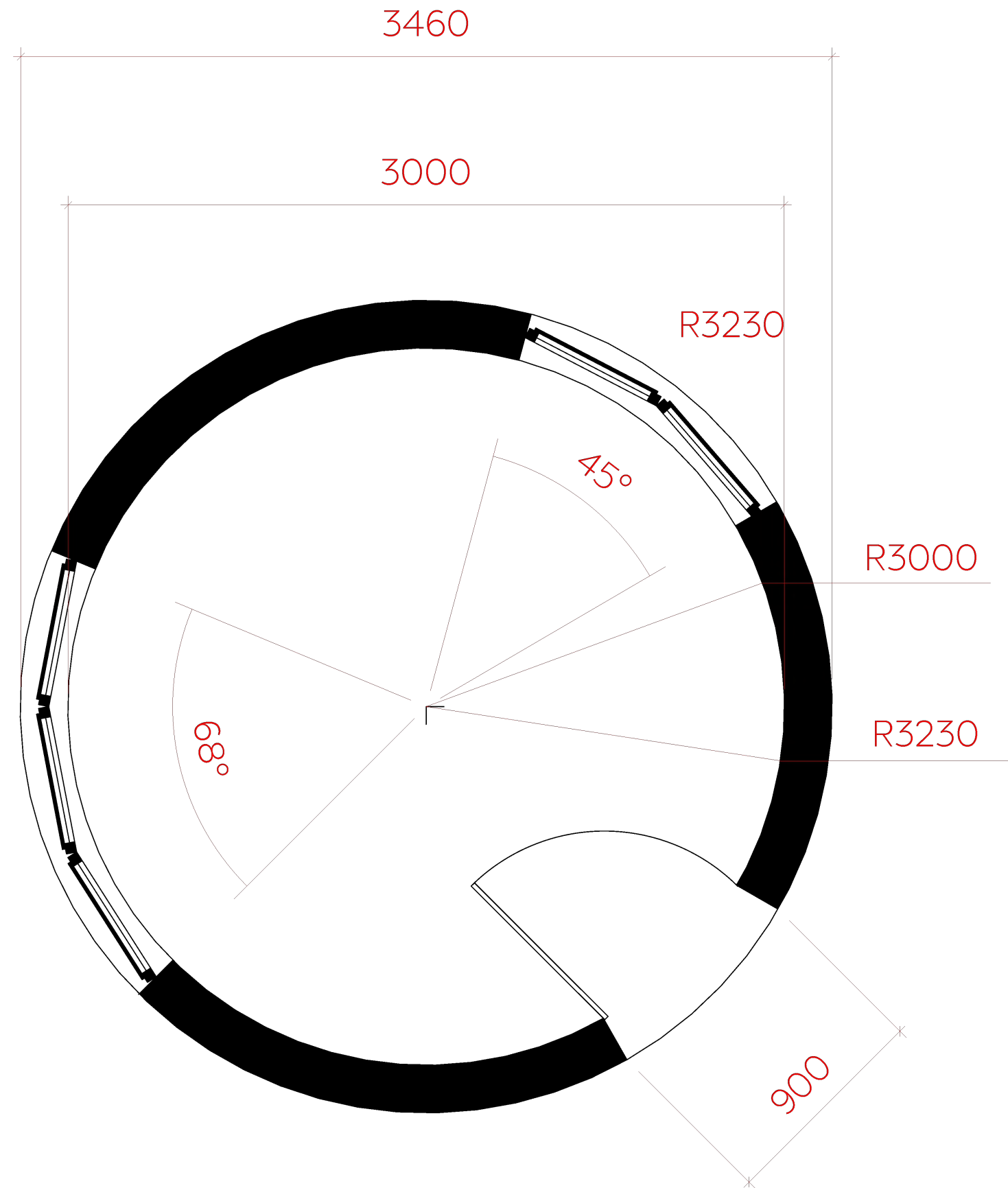
general storage

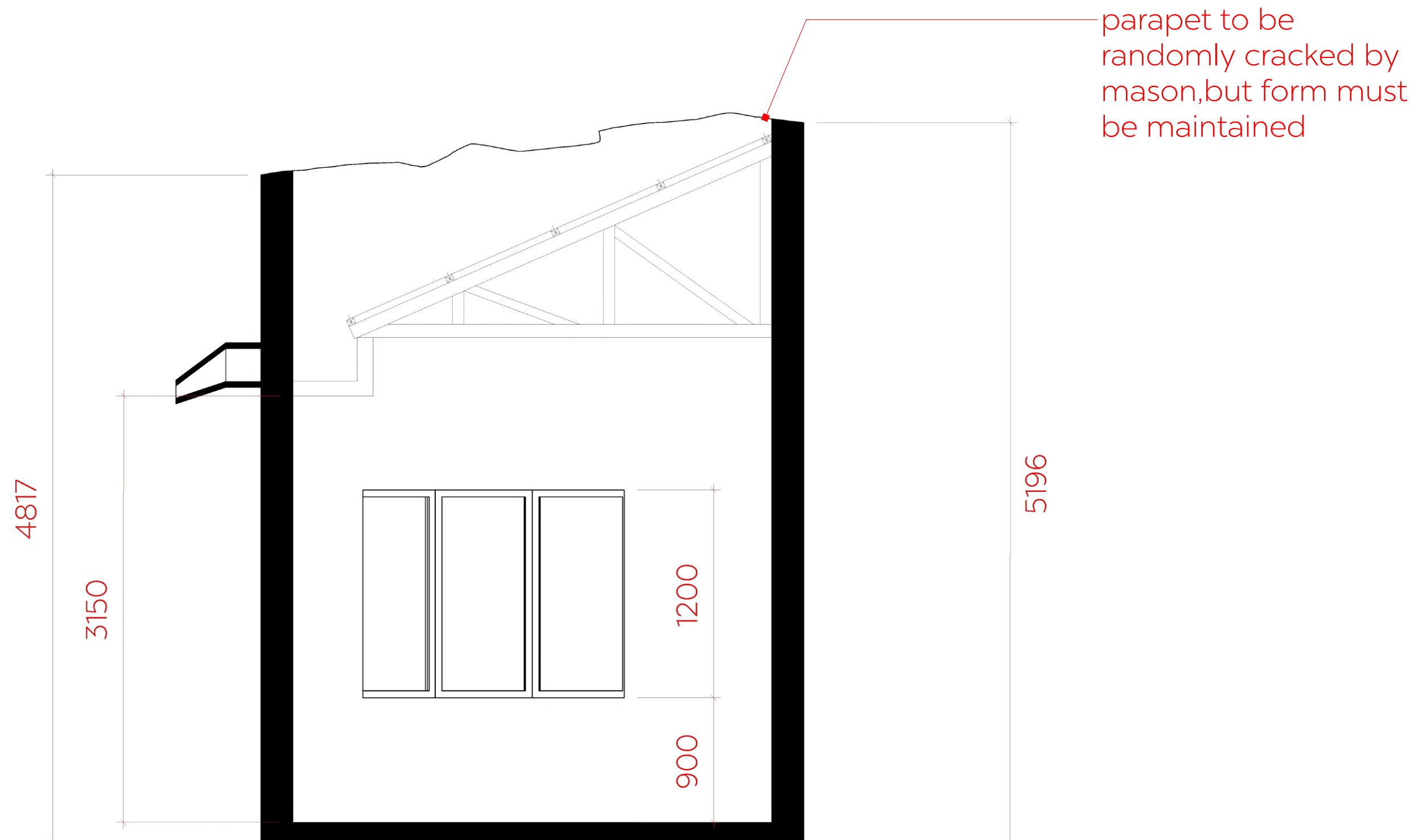


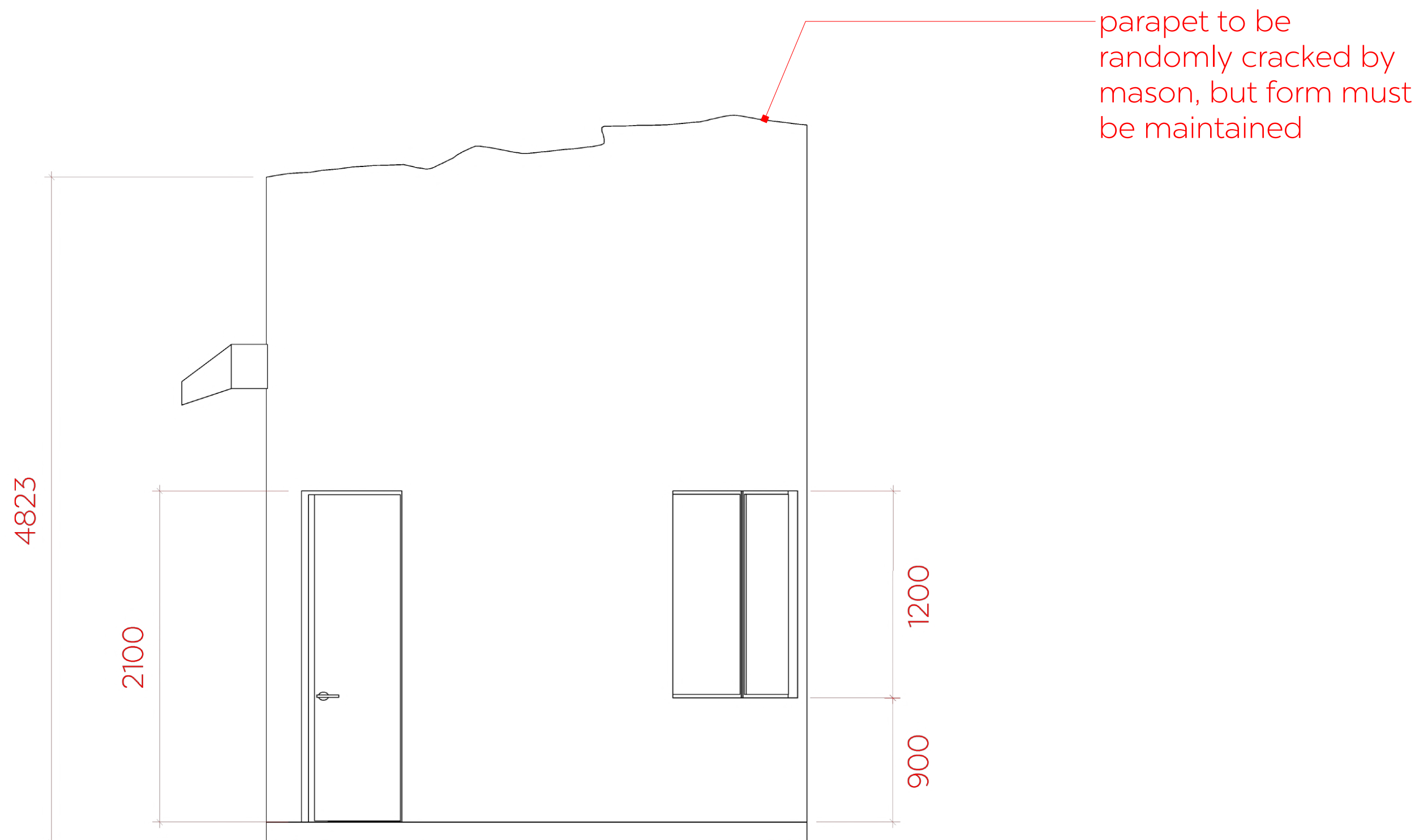




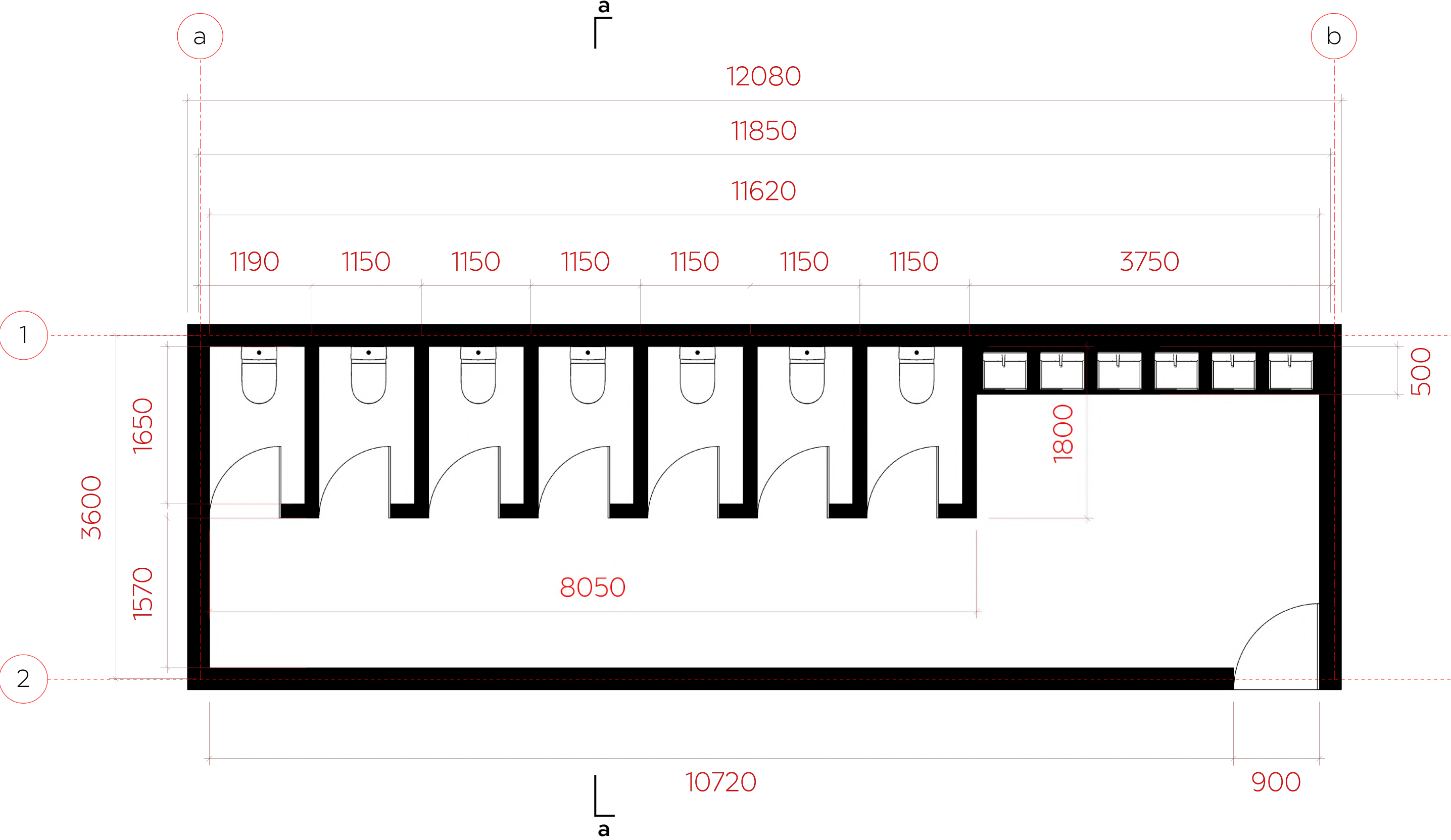
market administration office

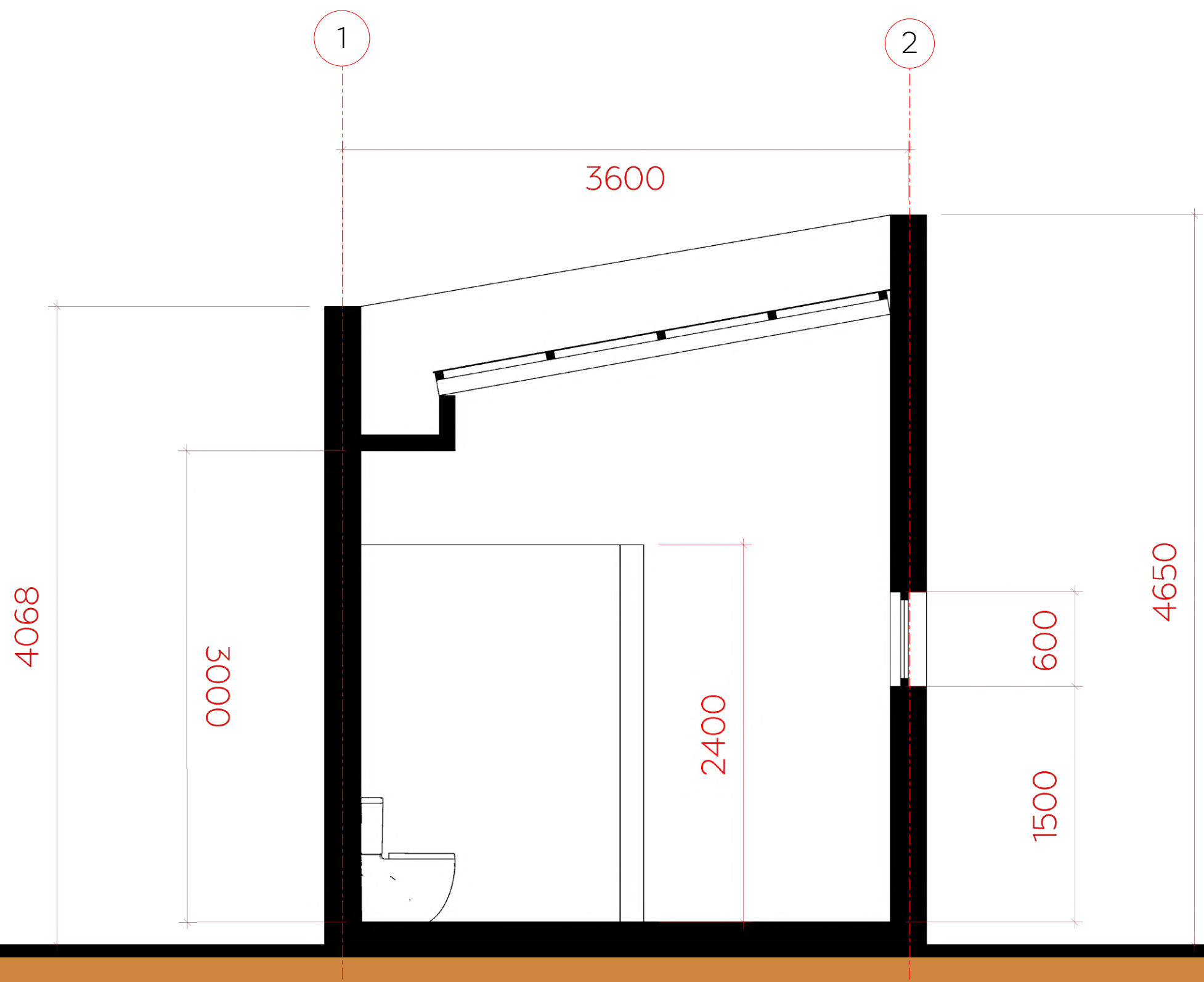


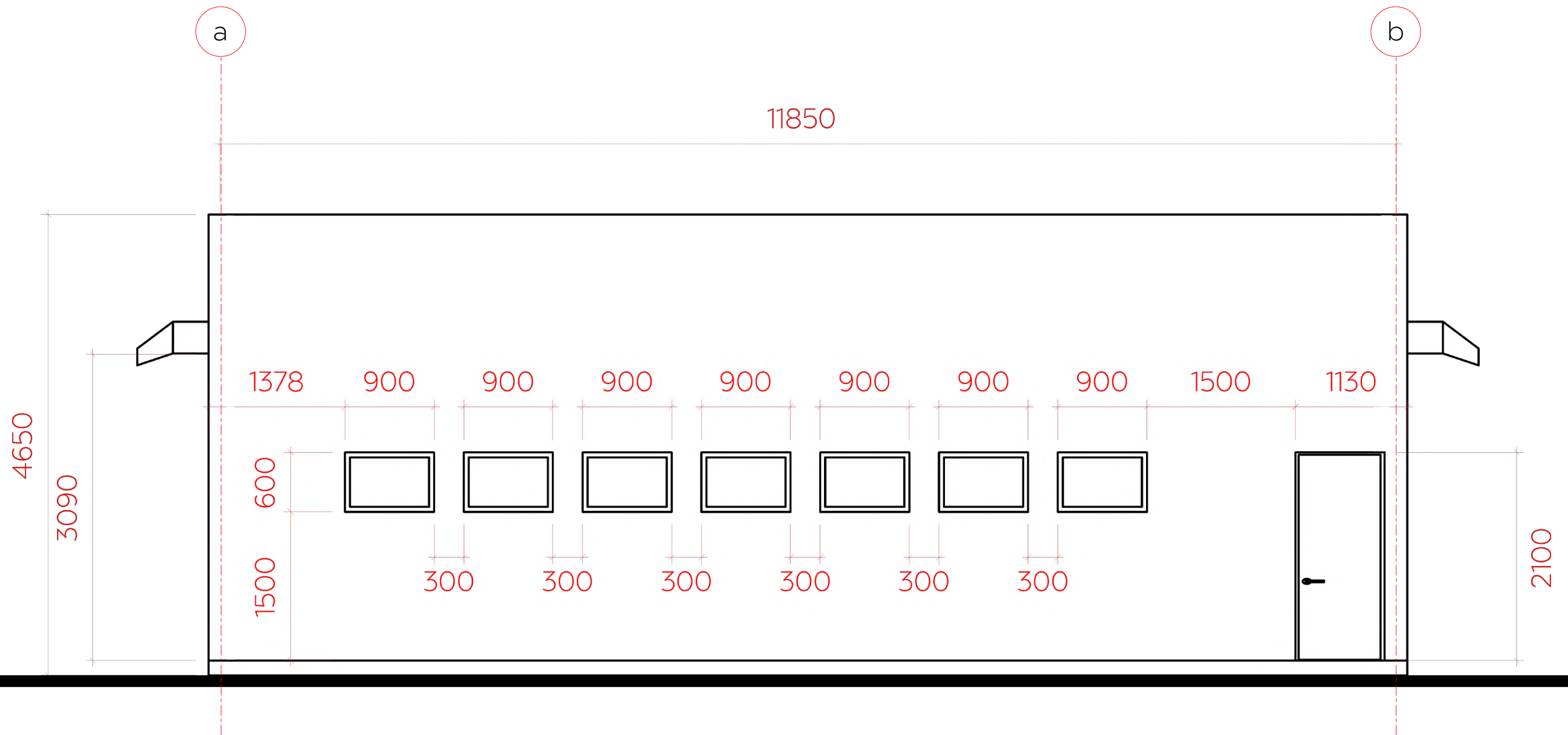


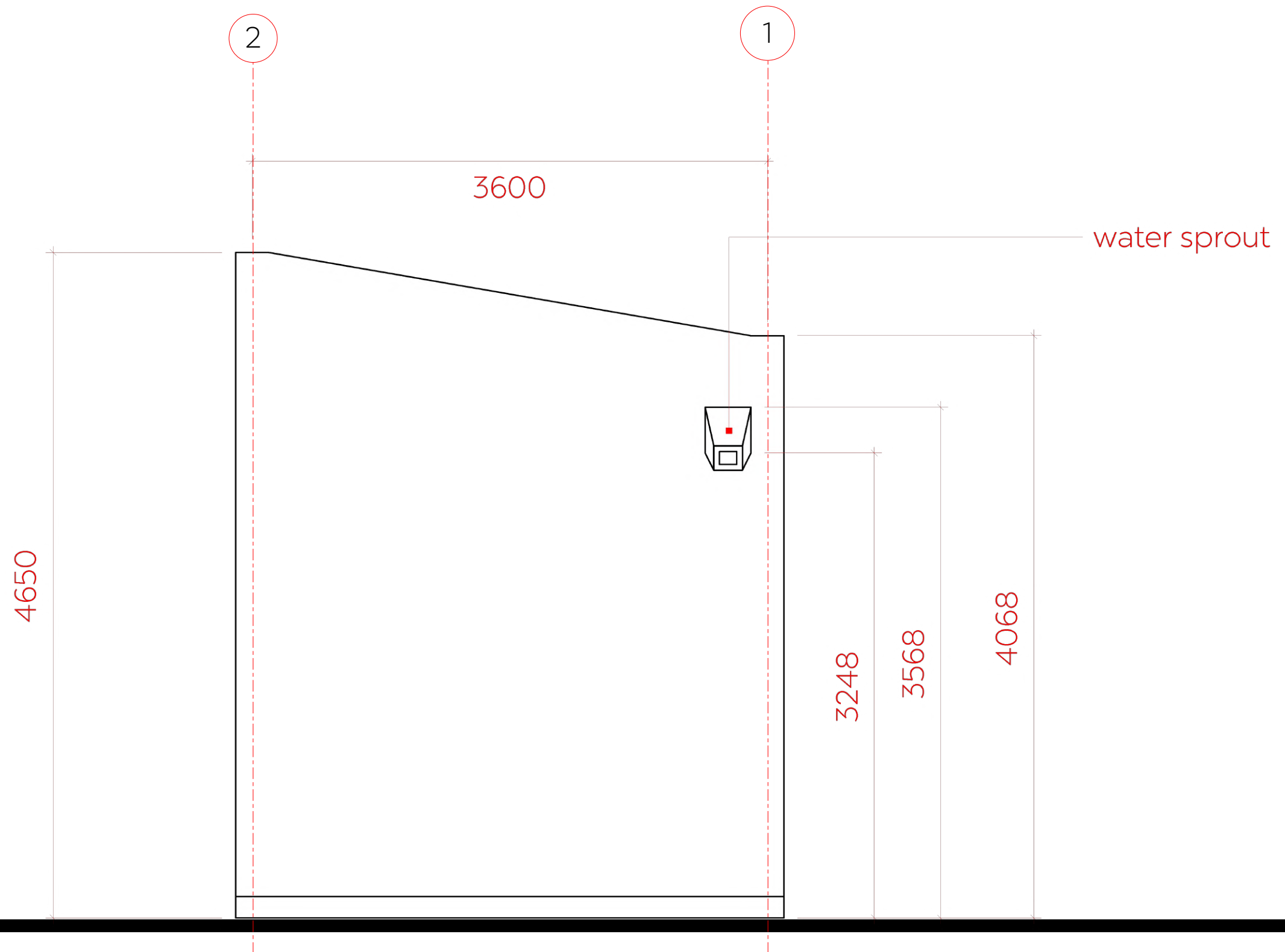


restrooms

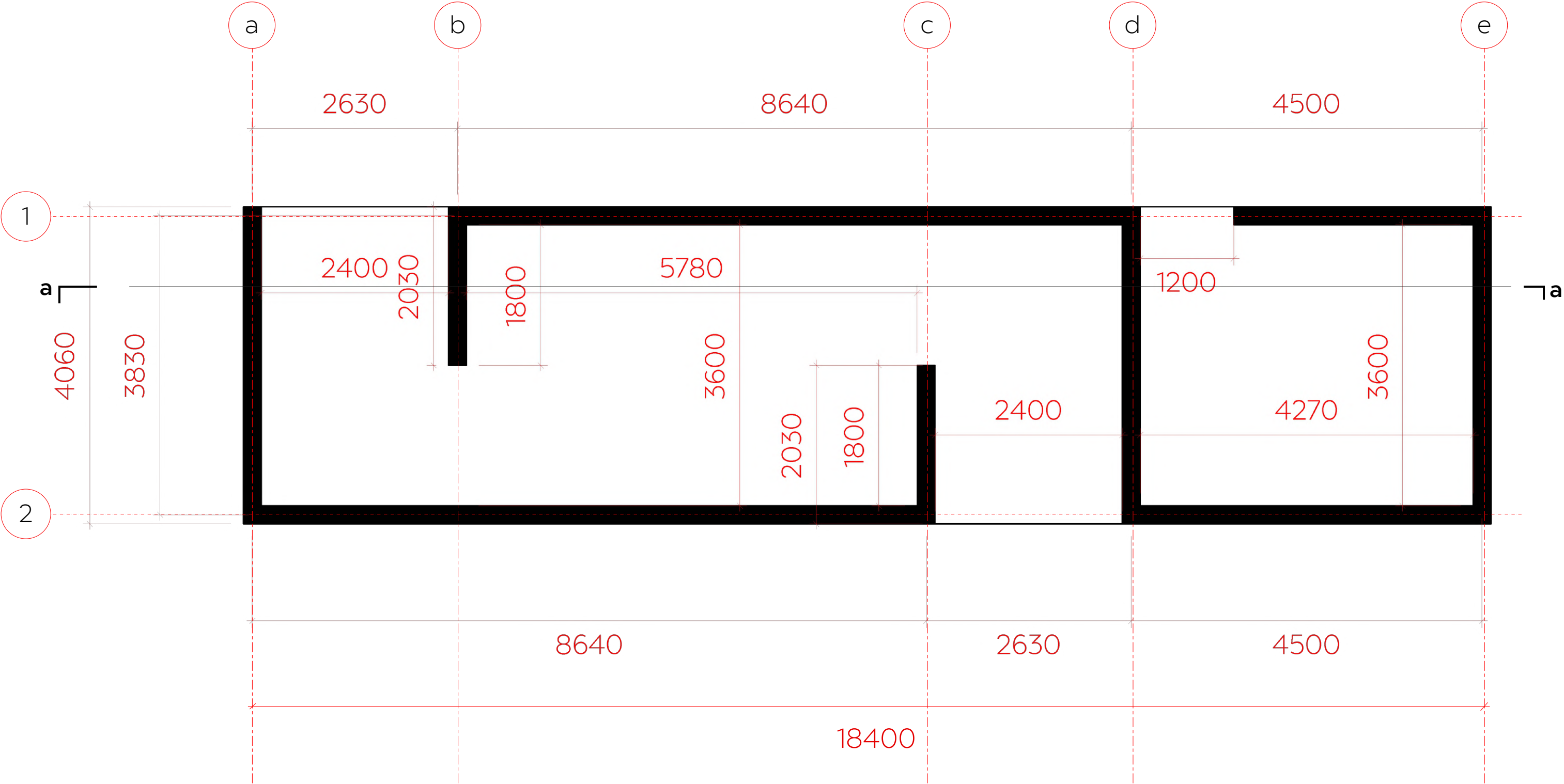


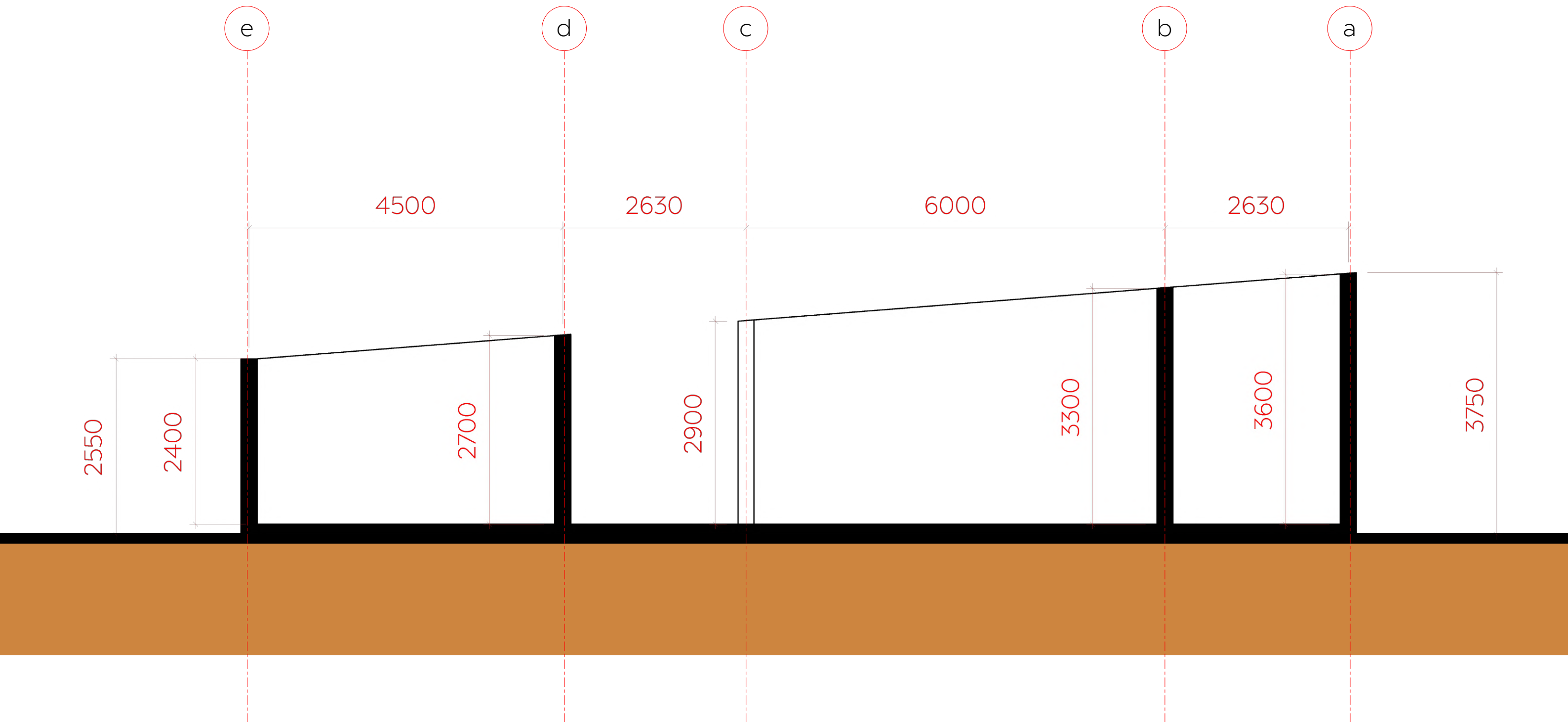


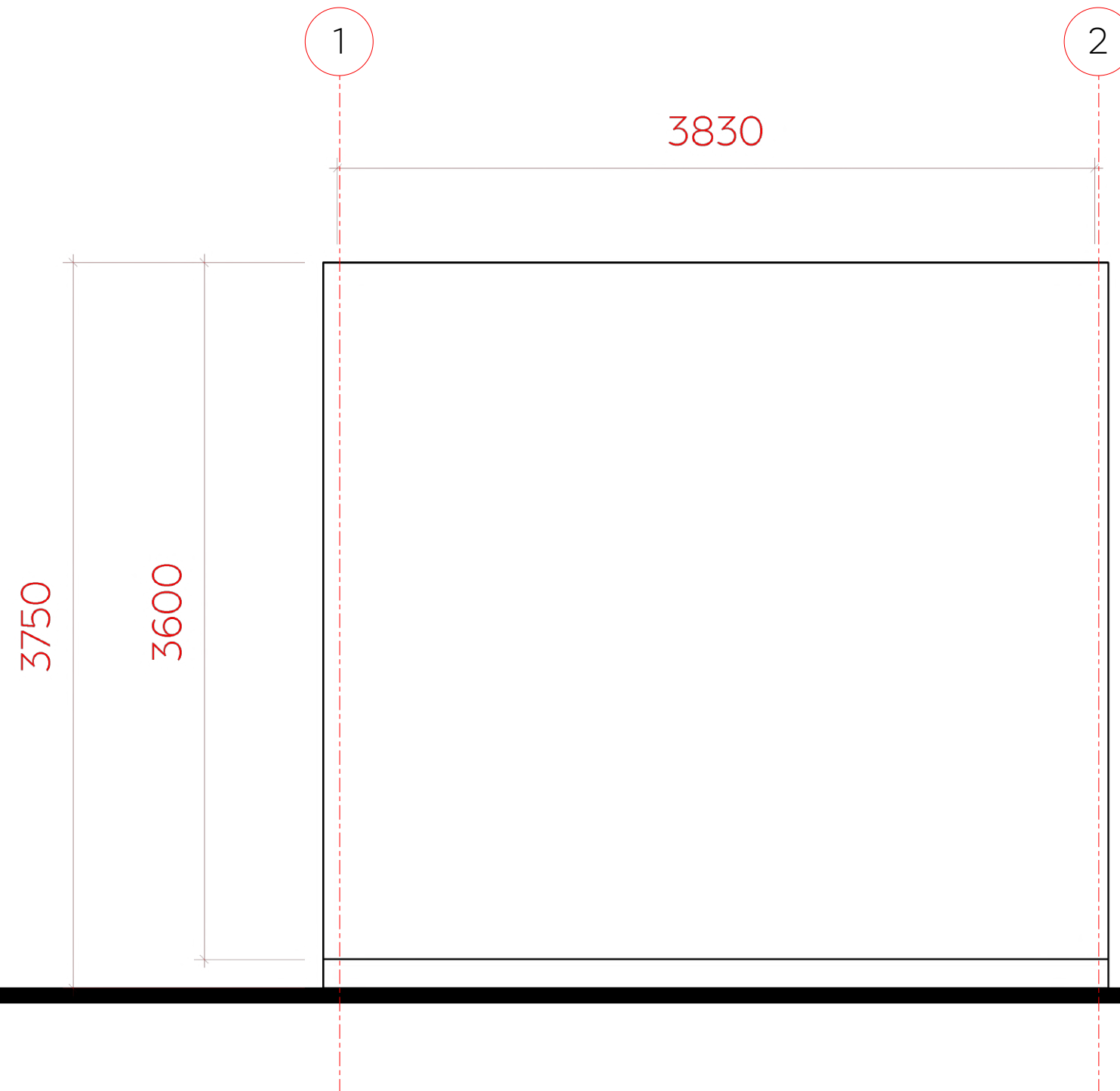




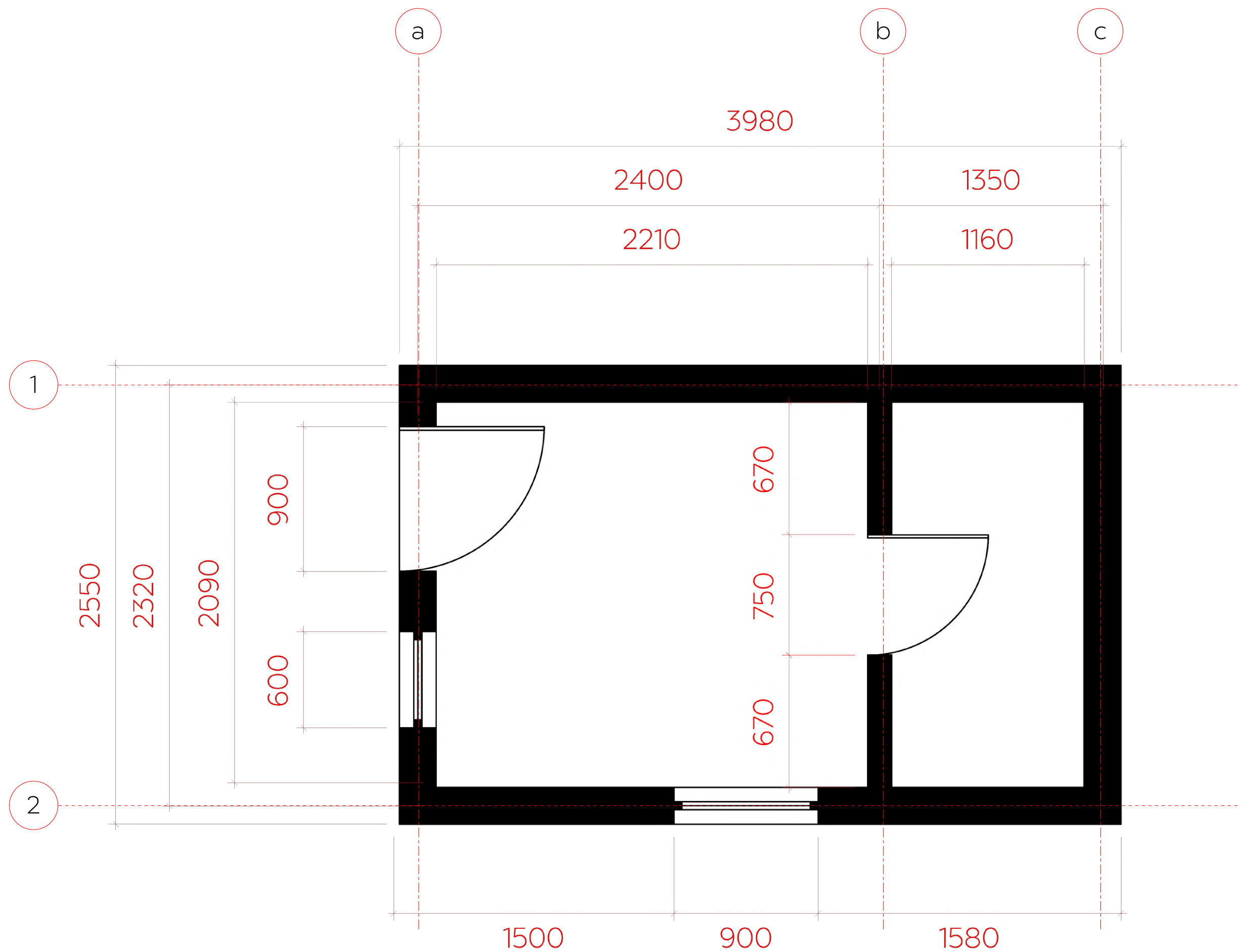
waste collection point

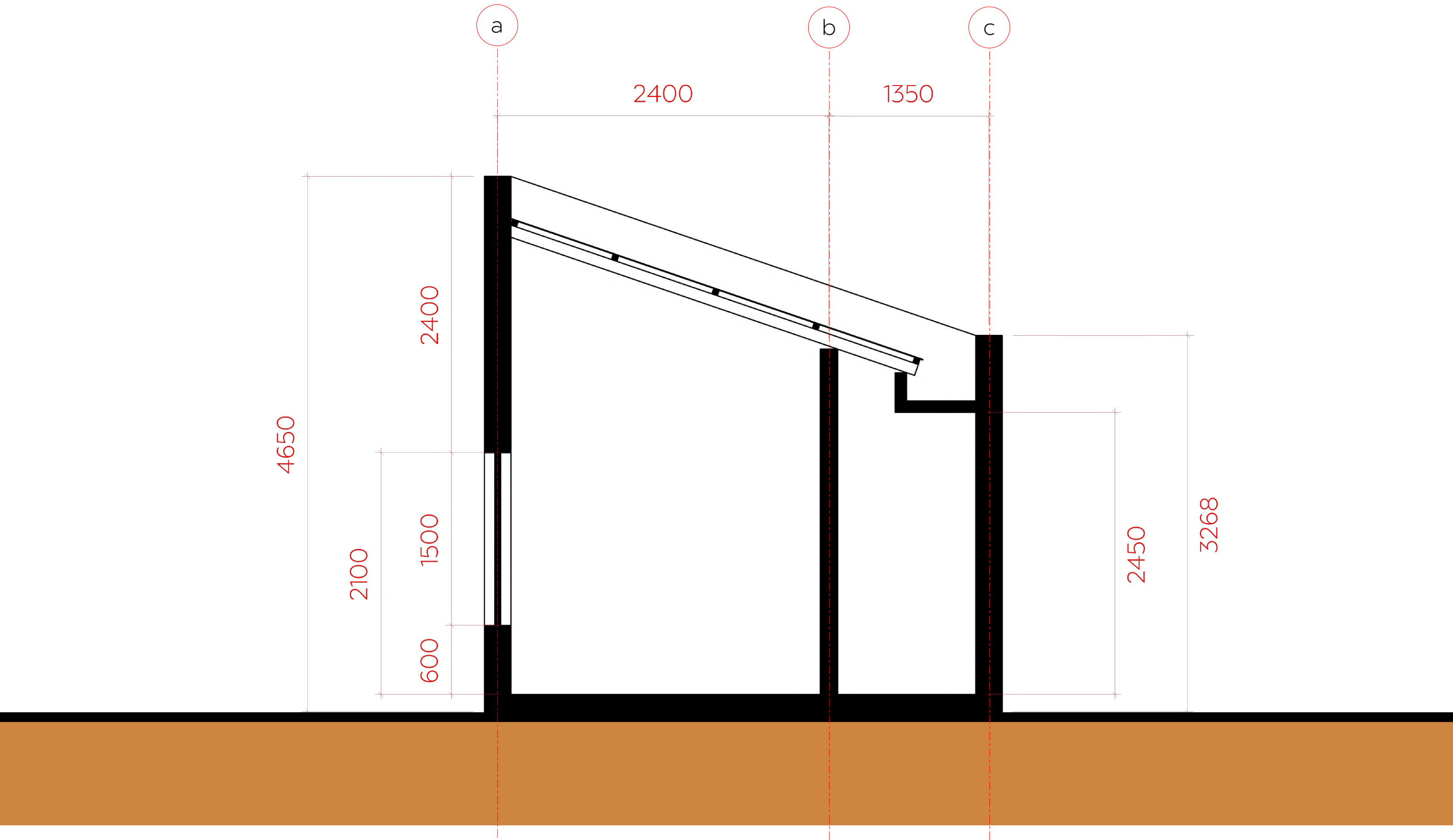


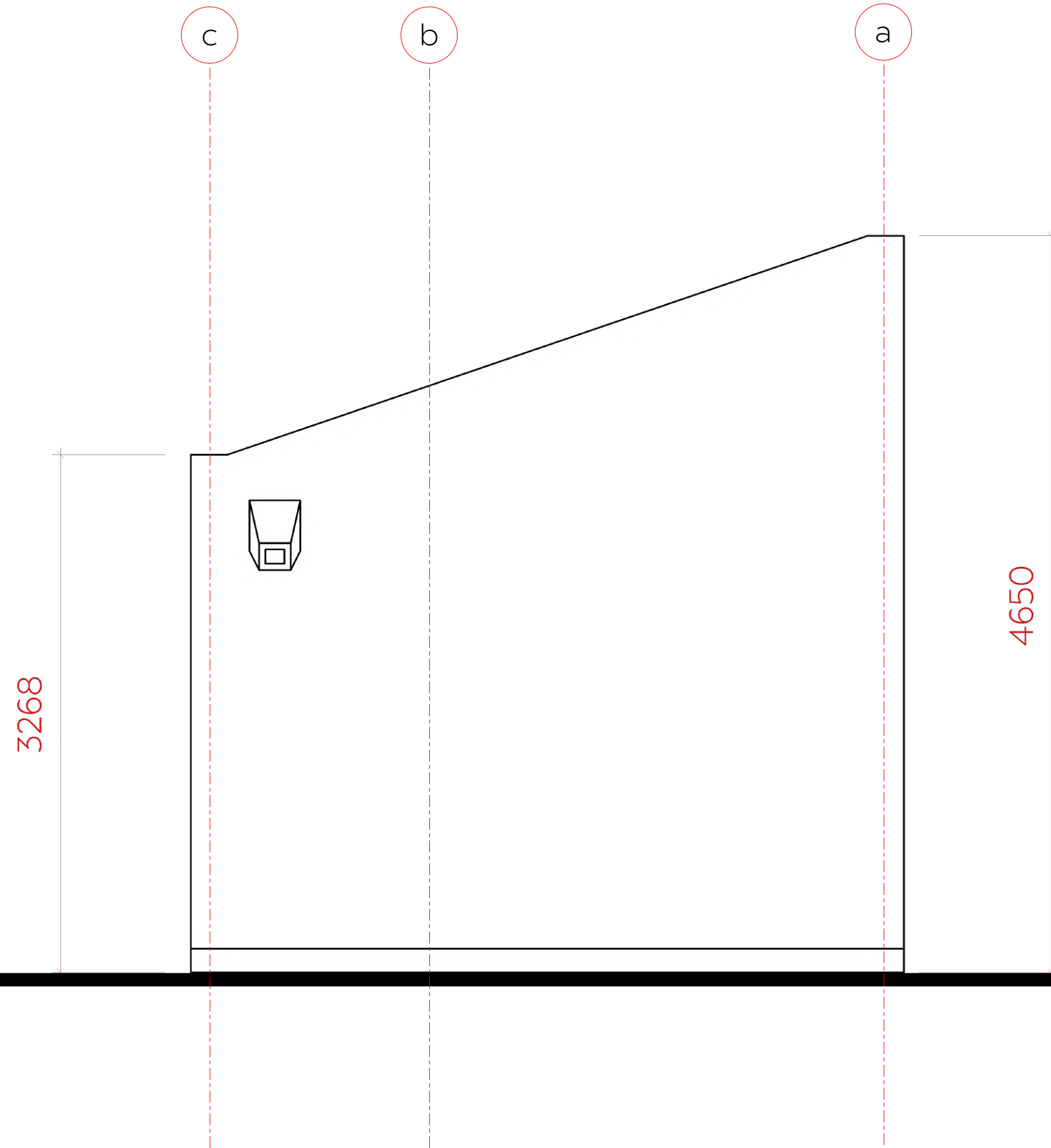


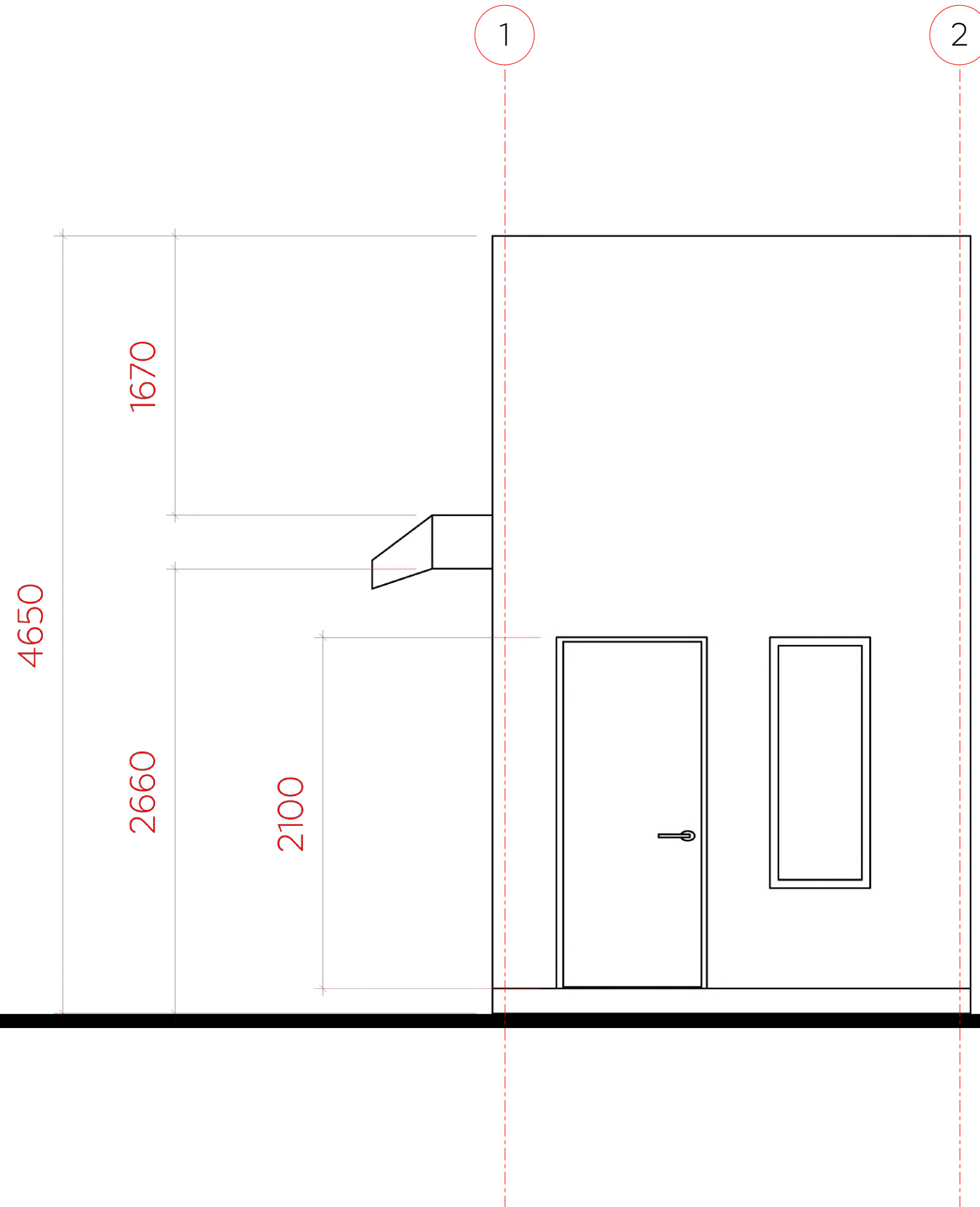


security post





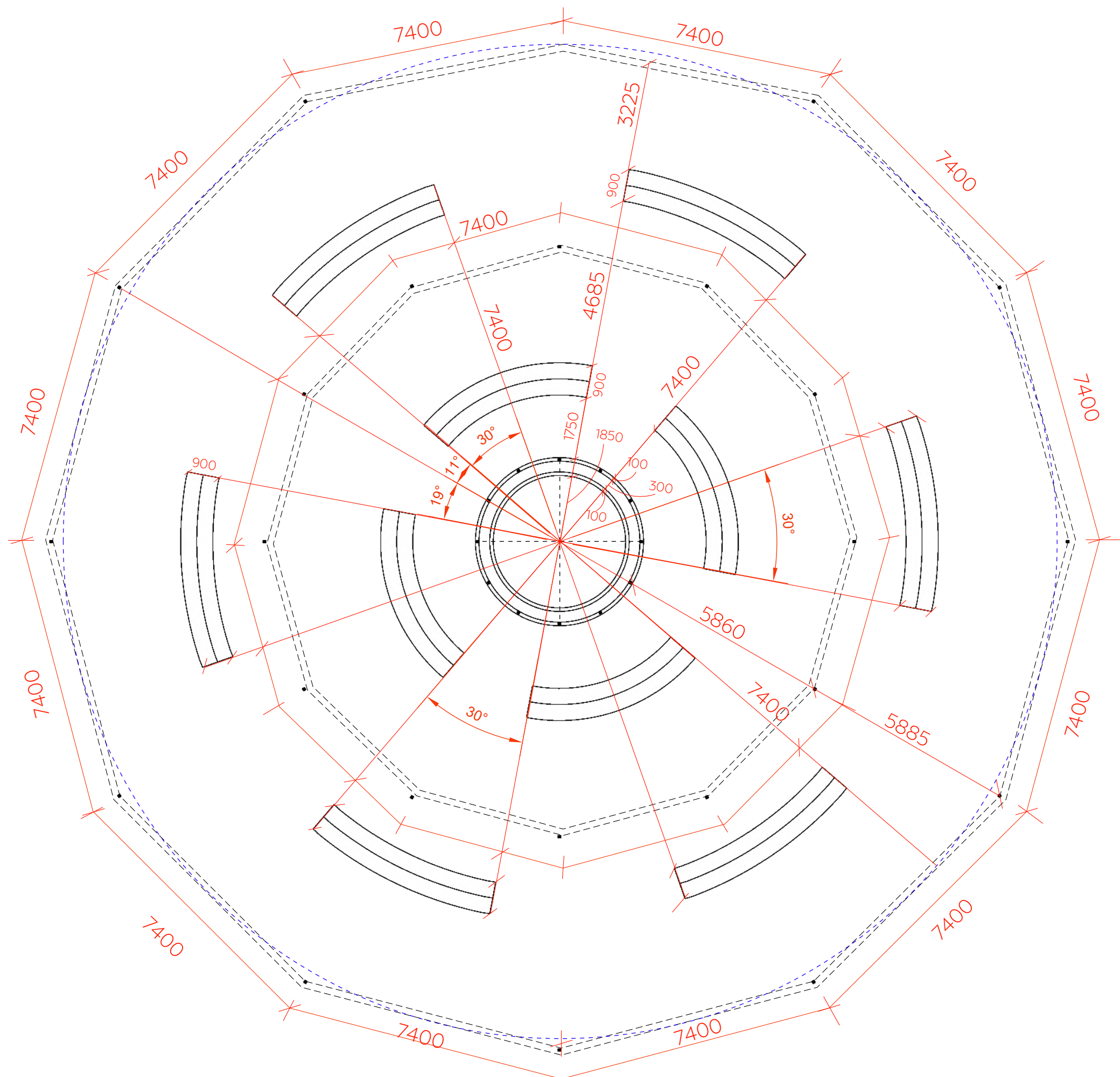


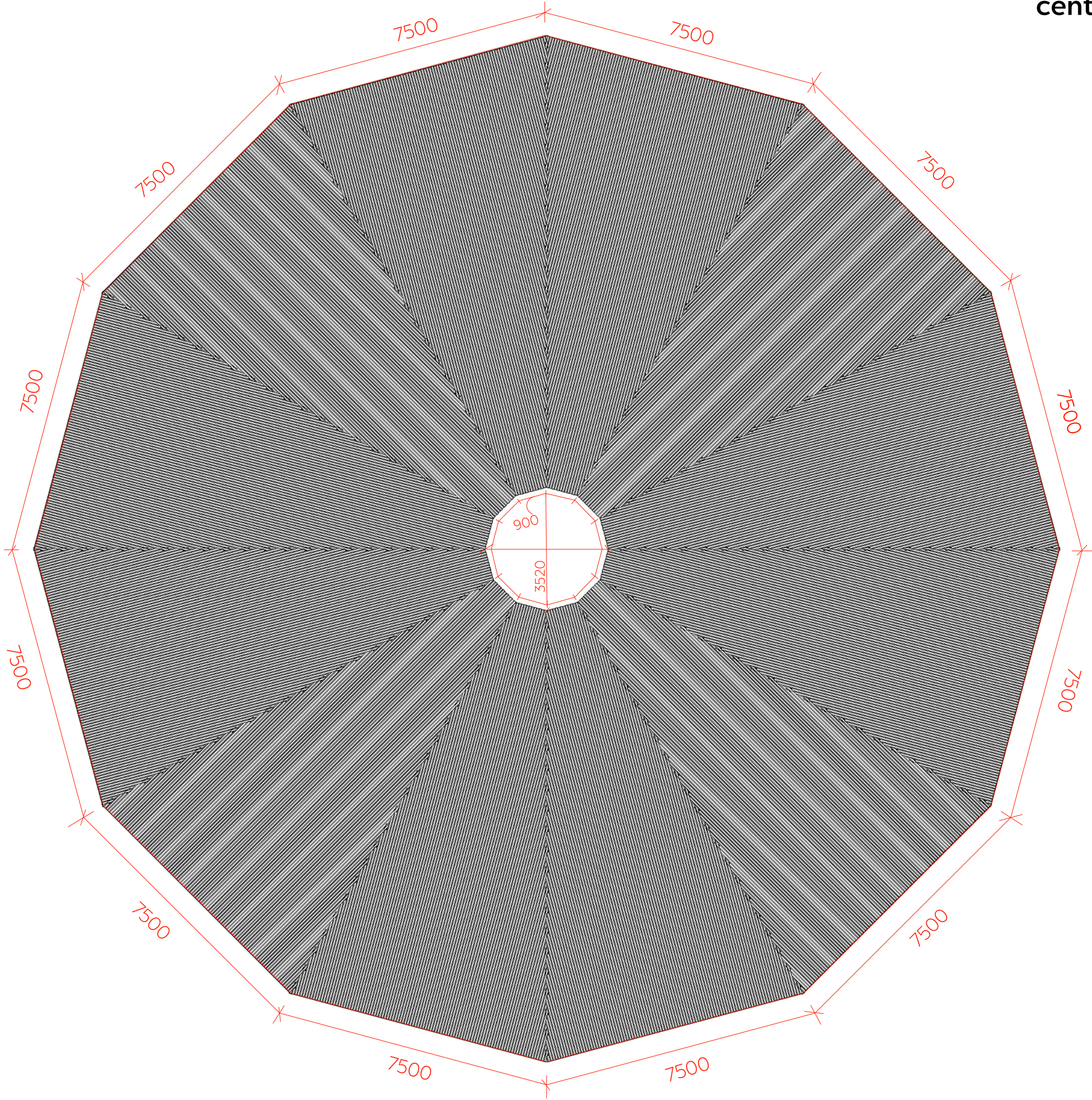


central shed

a

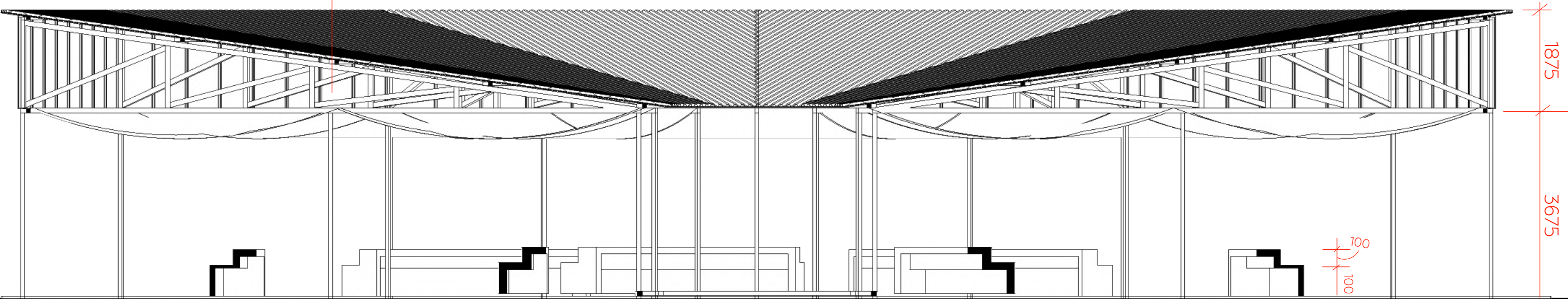
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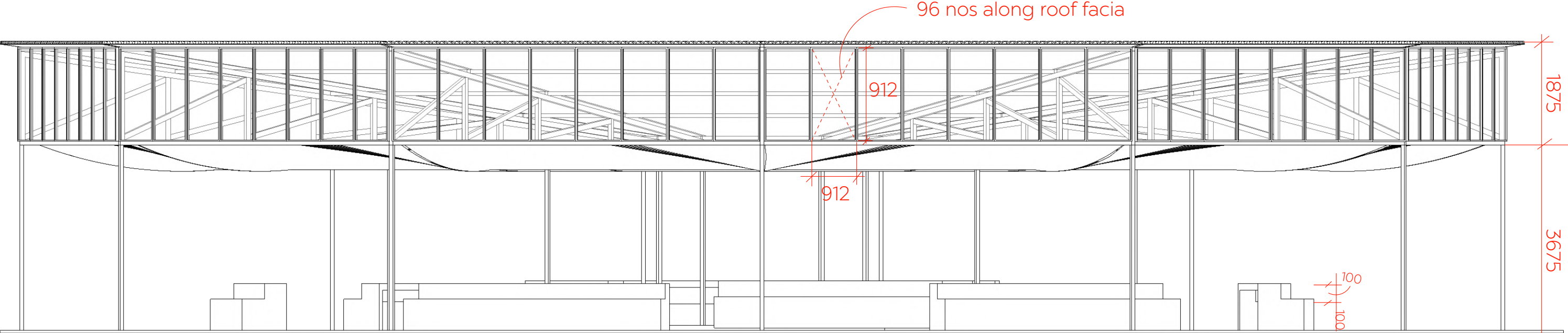




nigerite long span roofing sheet according to roof plan
75x100 steel column-bars holding roof structure (reinforced with concrete and designed to structural engineer's specification)
75x 75 hollow steel struts
75x 75 hollow steel trusses
75x 75 hollow steel purlins @ 600c/c
75x 75 hollow rafter along segments
coupled into unit sets according to the engineer's specification
rafia mat hung loose at 600 sag @ 475 from

20 thick yellow ochre perspect facia (fixed) in frame of 912 x 1800. 96 nos across roof facia





cost estimate

expected cost per area		Naira ₦
lock-up stall (9.40 m²)		4,100,000.00
30 no. lock-up stalls (282.00 m²)		123,000,000.00
market office (9.40 m²)		4,800,000.00
vegetables & perishables stall (182.67 m²)		21,920,400.00
fish & meat section (151.08 m²)		18,129,600.00
cold storage (47.41 m²)		20,678,829.79
general storage (98.10 m²)		10,339,414.89
central shed (706.95 m²)		55,523,049.64
restrooms (92.75 m²)		13,912,500.00
waste collection & compost pit (65.10 m²)		8,510,000.00
security posts (36.00 m²)		12,300,500.00
external works		
Includes piping, security, power, fence etc (unbuilt area of site: 5614.89 m²). Costs will vary according to actual site chosen		168,446,700.00
sub-total		461,660,994.32
contingencies		23,083,049.72
construction total		484,744,044.04
professional fees		~18% ^a
Includes Architecture, sustianability and circular economy, Structural Engineering, Mechanical Engineering, Electrical Engineering, Quantity Survey and pre-construction management.		87,253,927.93
includes architecture fees of: ₦ 23,025,342.09		
grand total^b		571,997,971.97

a Architectural professional fees have been waived for this phase of the project, however, the full fees are stated here in observance of office protocol. A contextual redesign of the masterplan with the actual

b Please note that this is a preliminary costing process. Cost may increase or decrease upon actual design and construction processes, especially considering the current inflation instability in the country of construction. The fees are subject to increase or decrease after the final design process. Final parameters like the actual site to be used are also not available, the final choice of the site for the market can significantly influence the cost of the project.

sponsors and facilitators



architects and planners



architectural design
**Informal market,
FCT, Abuja**

project #: 2024/M/003

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a project documentation of the African Contemporary Institute of Design