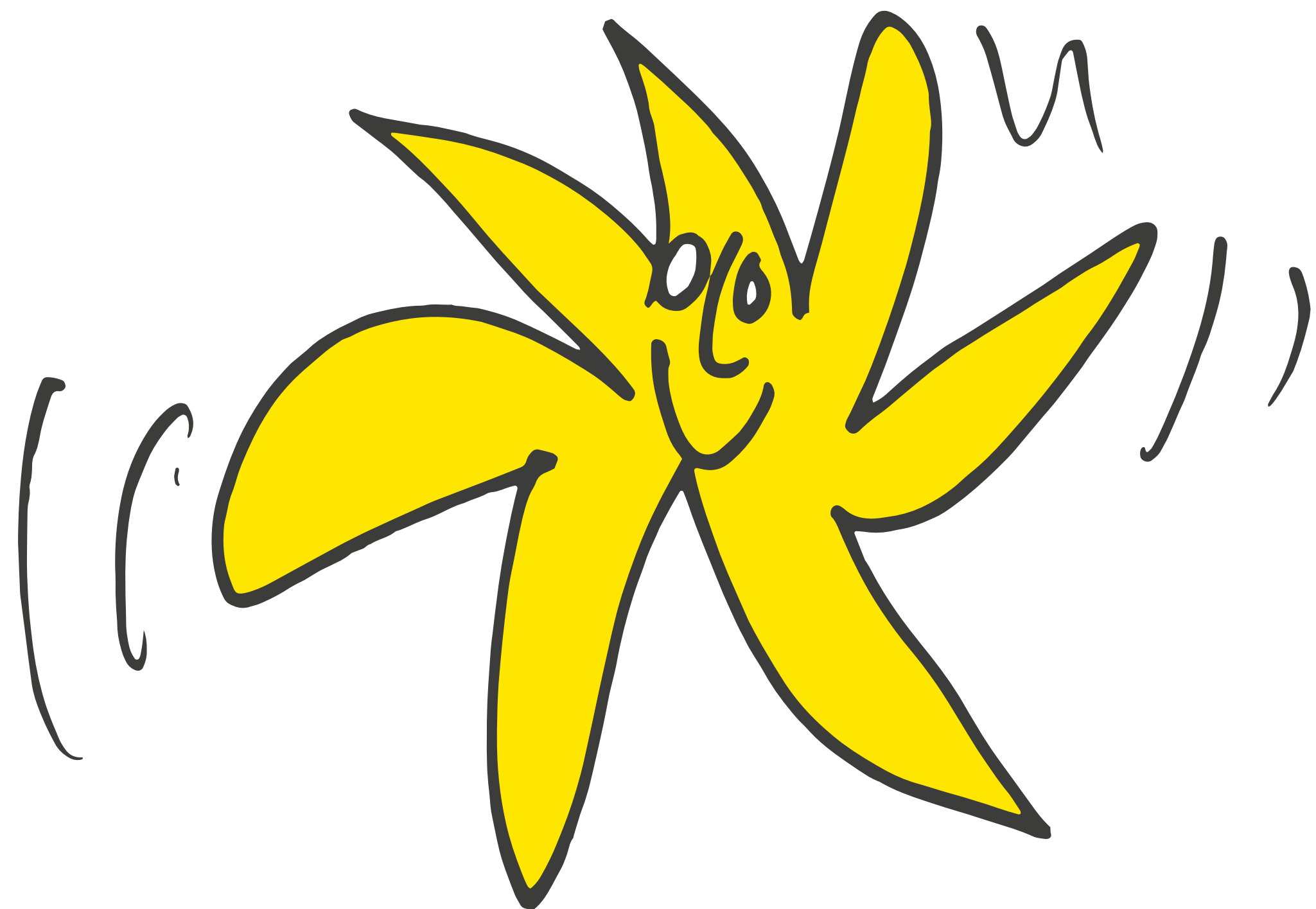
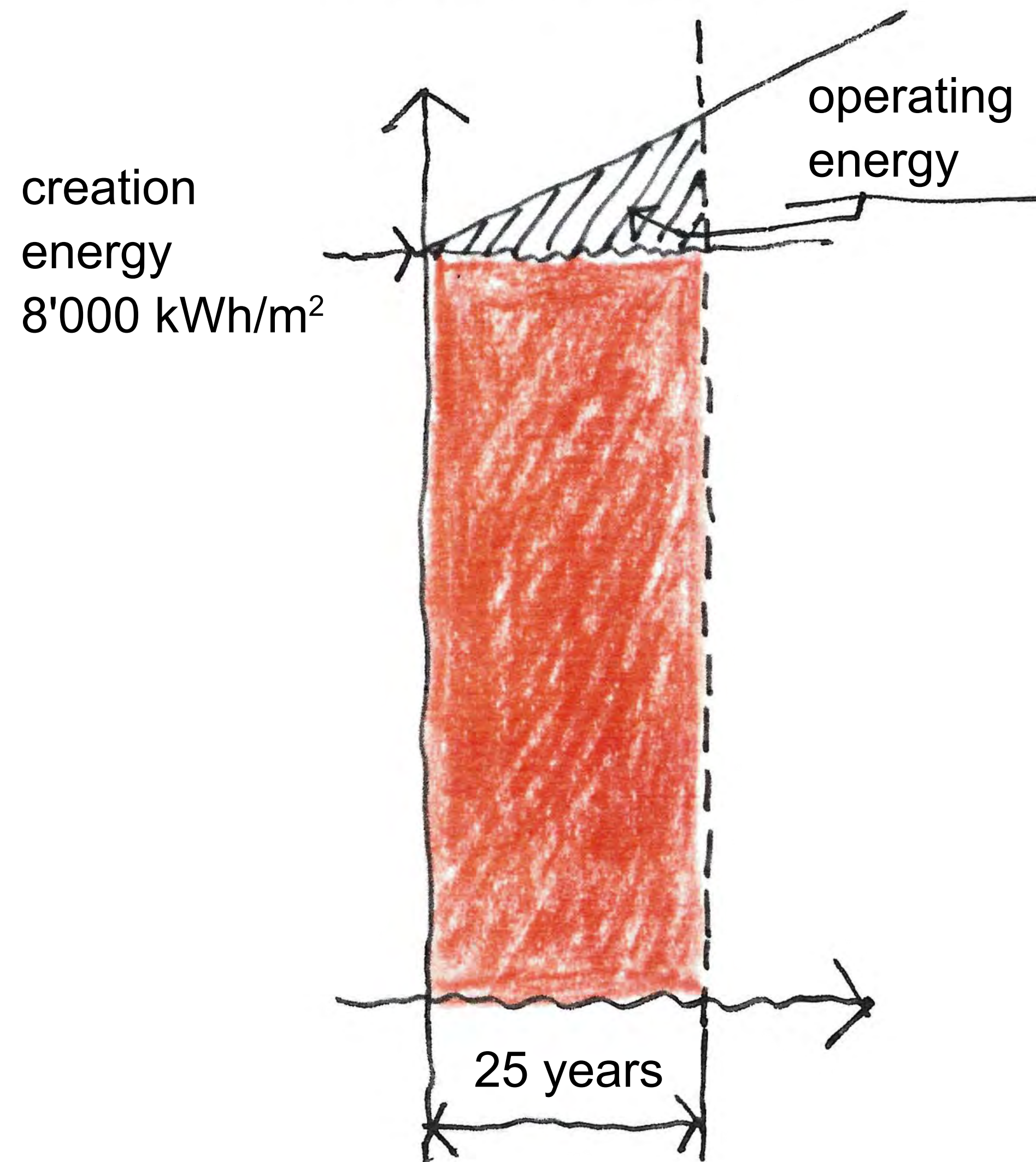




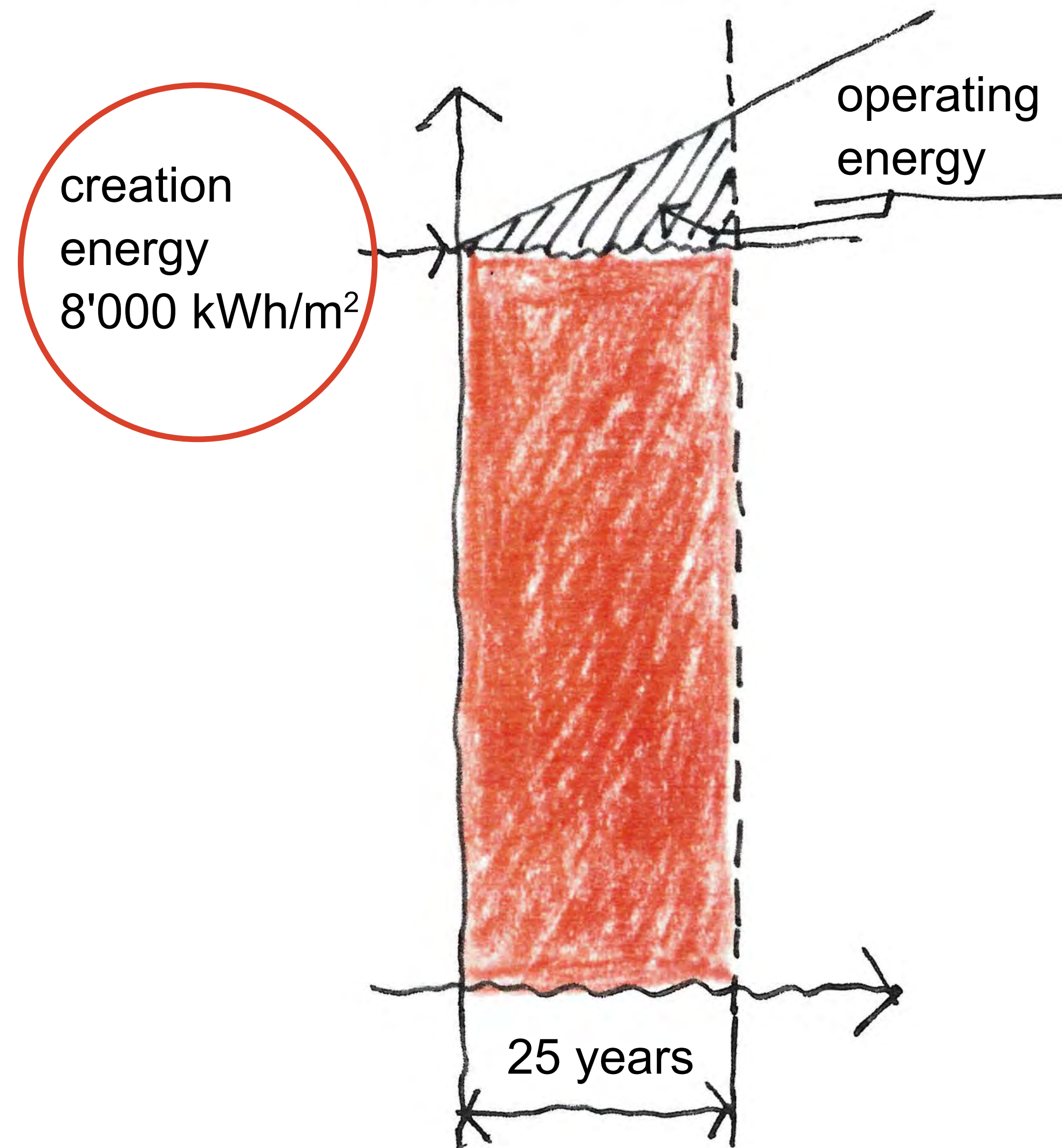
Diversity of straw bale constructions

Paul Schmidt | Atelier SCHMIDT GmbH | atelierschmidt.ch

Standard construction 2022

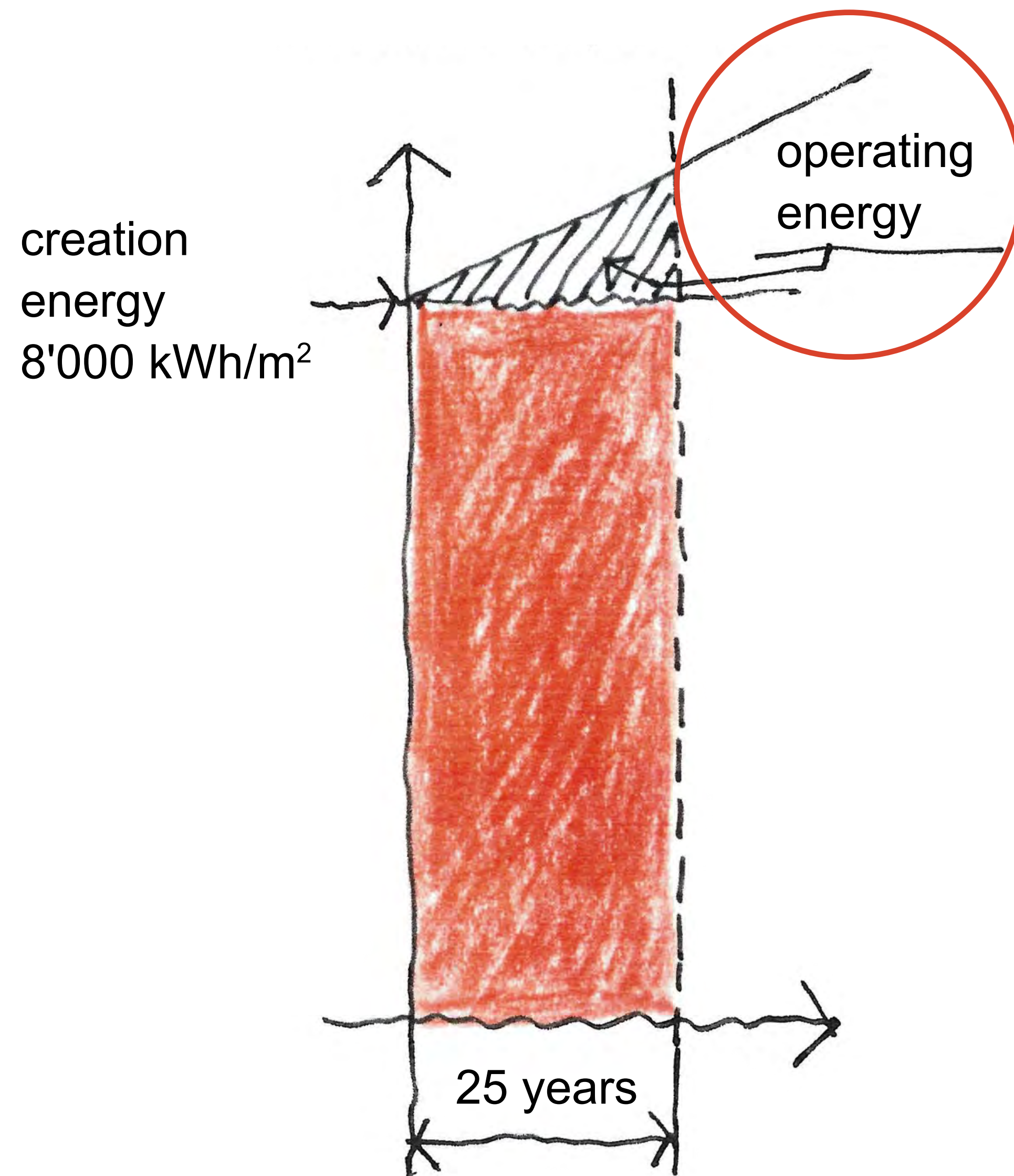


Standard construction 2022



→ 1. creation energy

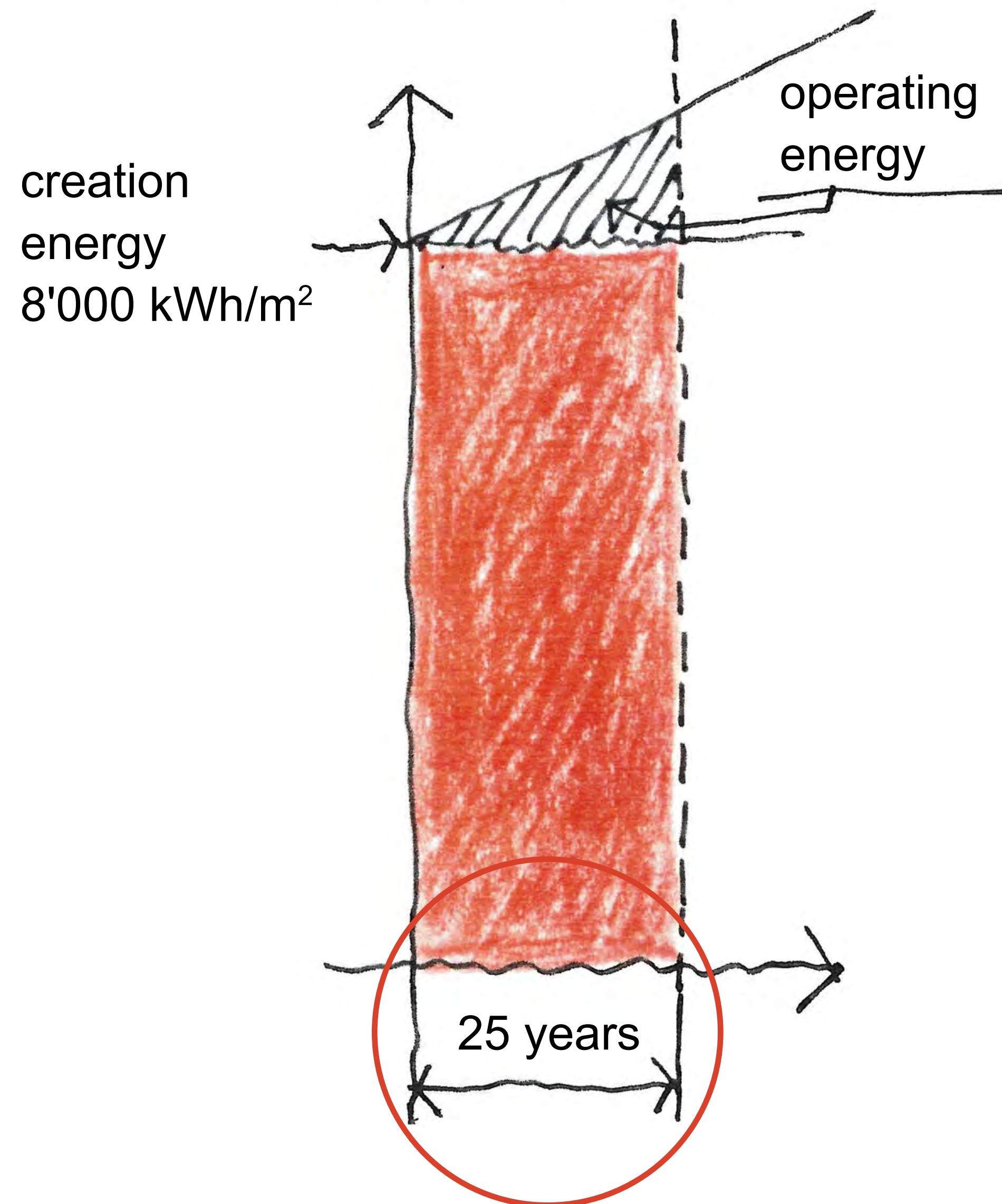
Standard construction 2022



→ 1. creation energy

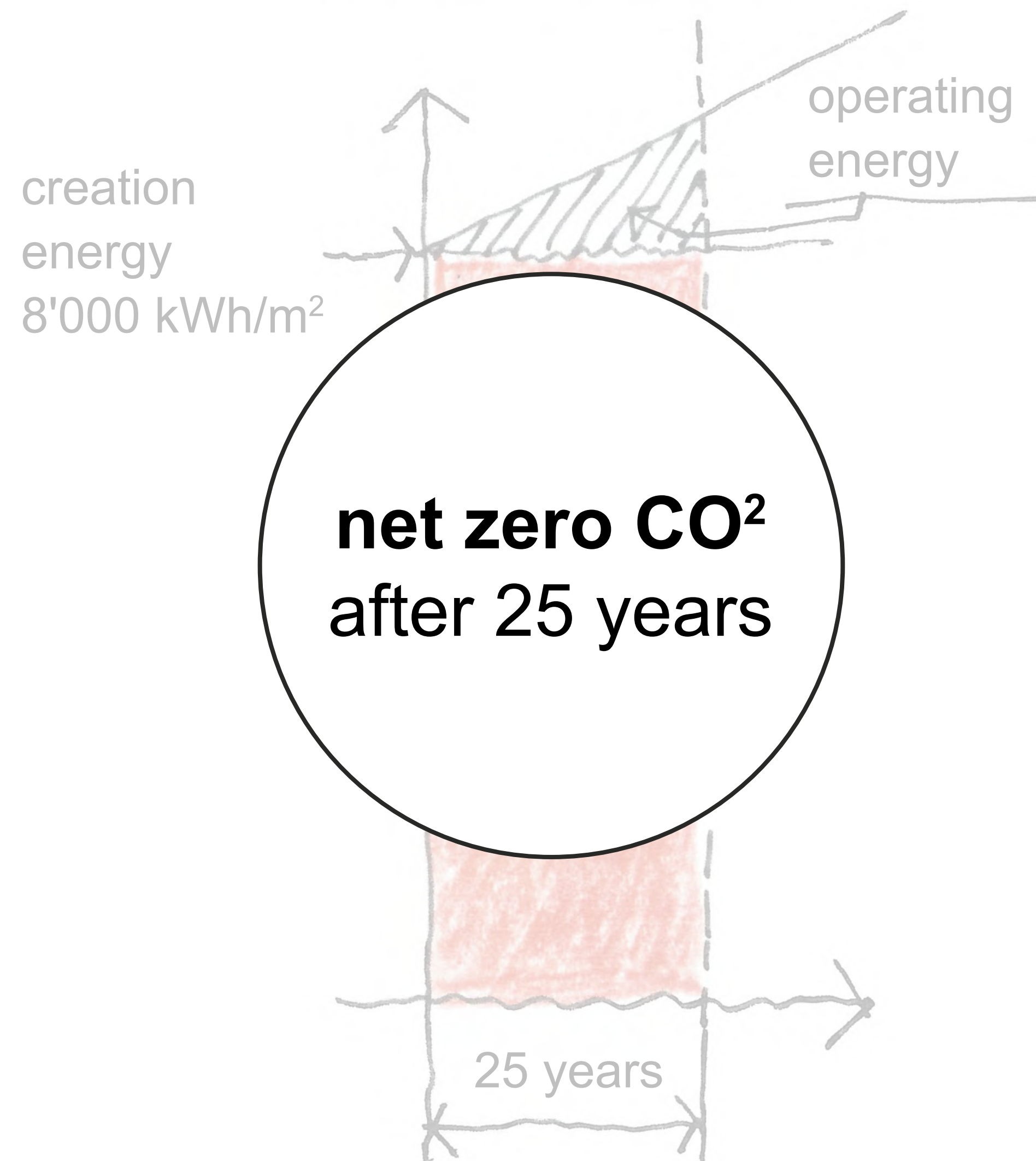
→ 2. operating energy

Standard construction 2022

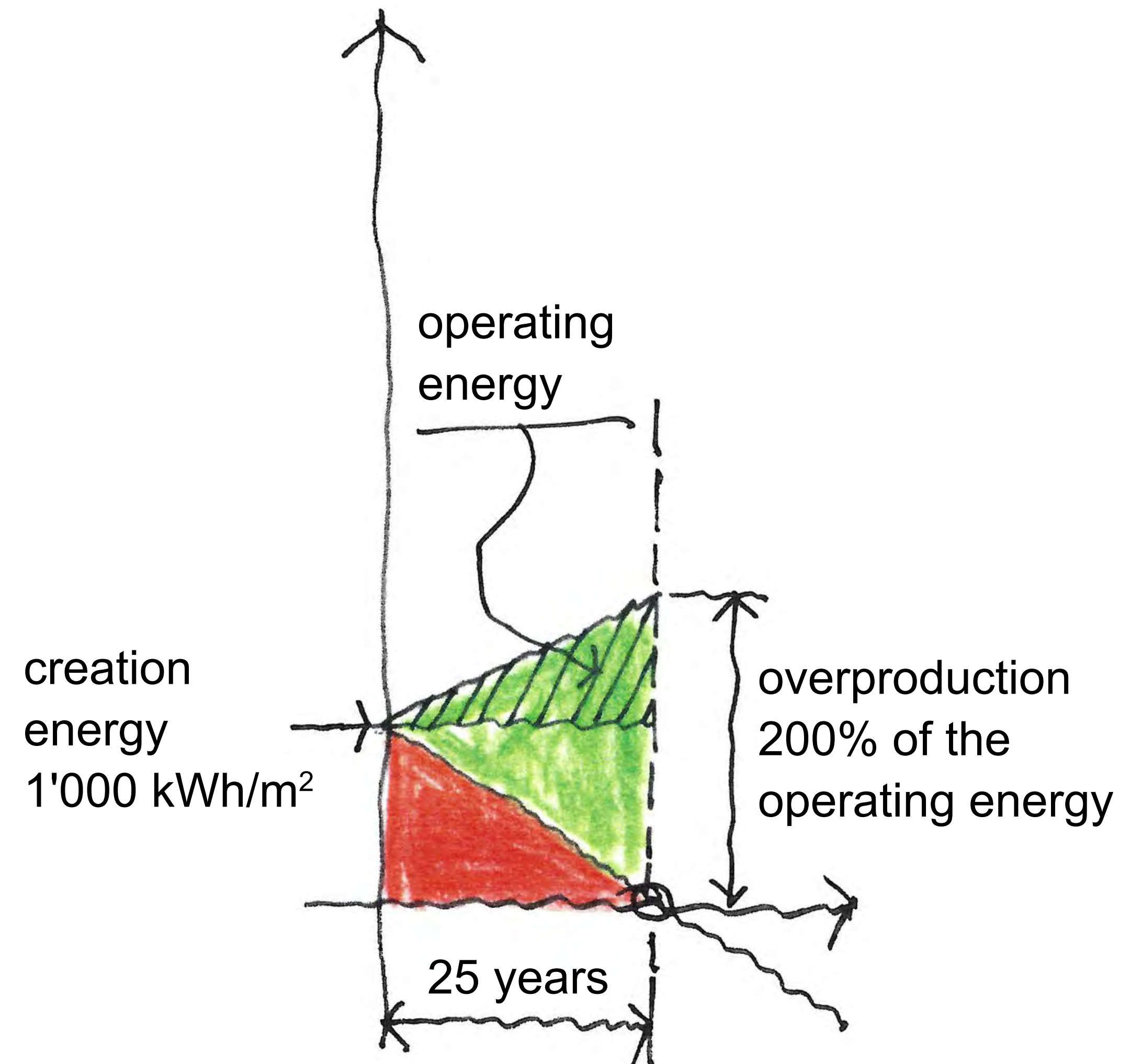


- 1. creation energy
- 2. operating energy
- 3. lifespan

Standard construction 2022



Our vision



Grey energy | kWh oil-eq/m³

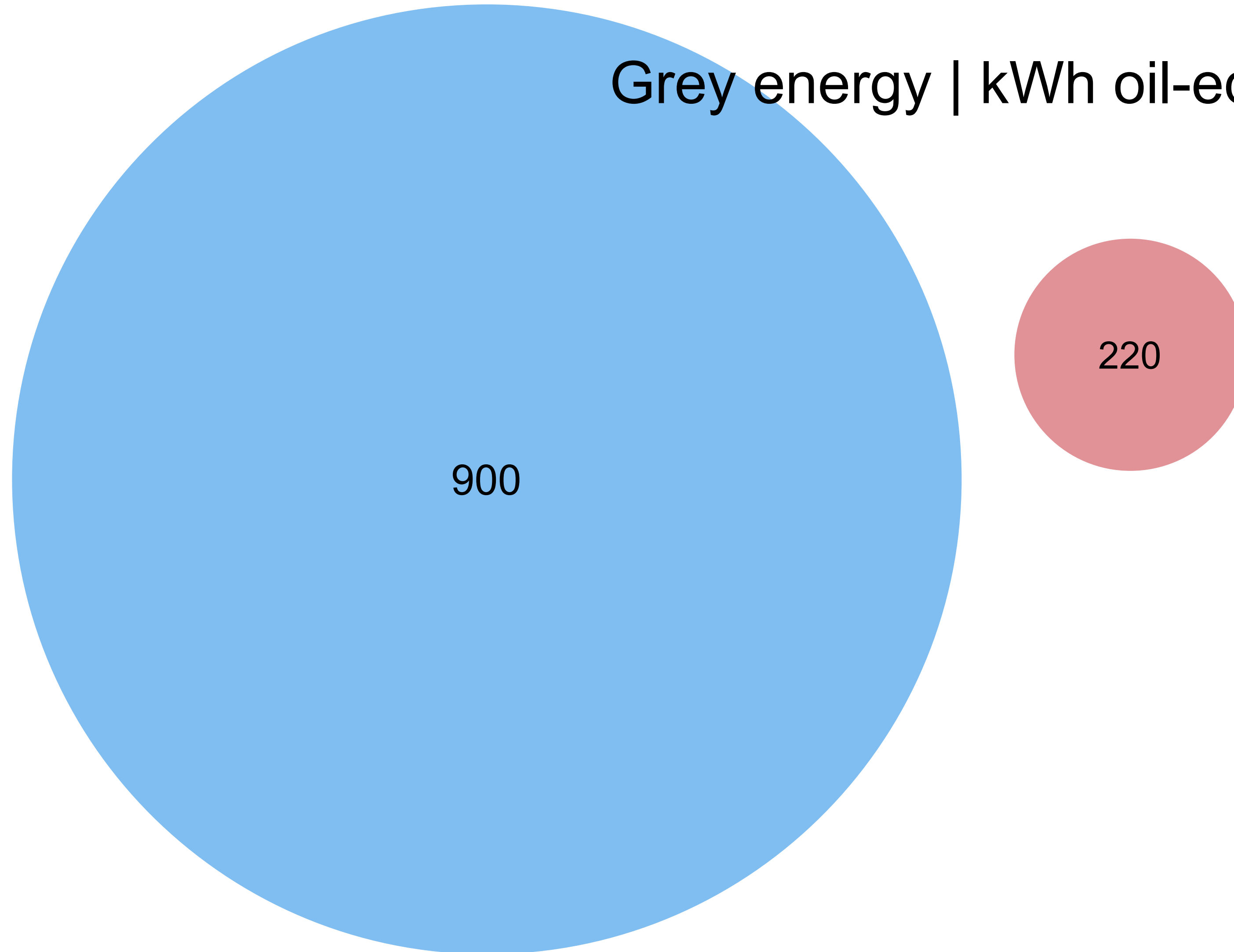
Grey energy | kWh oil-eq/m³

900

● EPS

0.04 W/mK

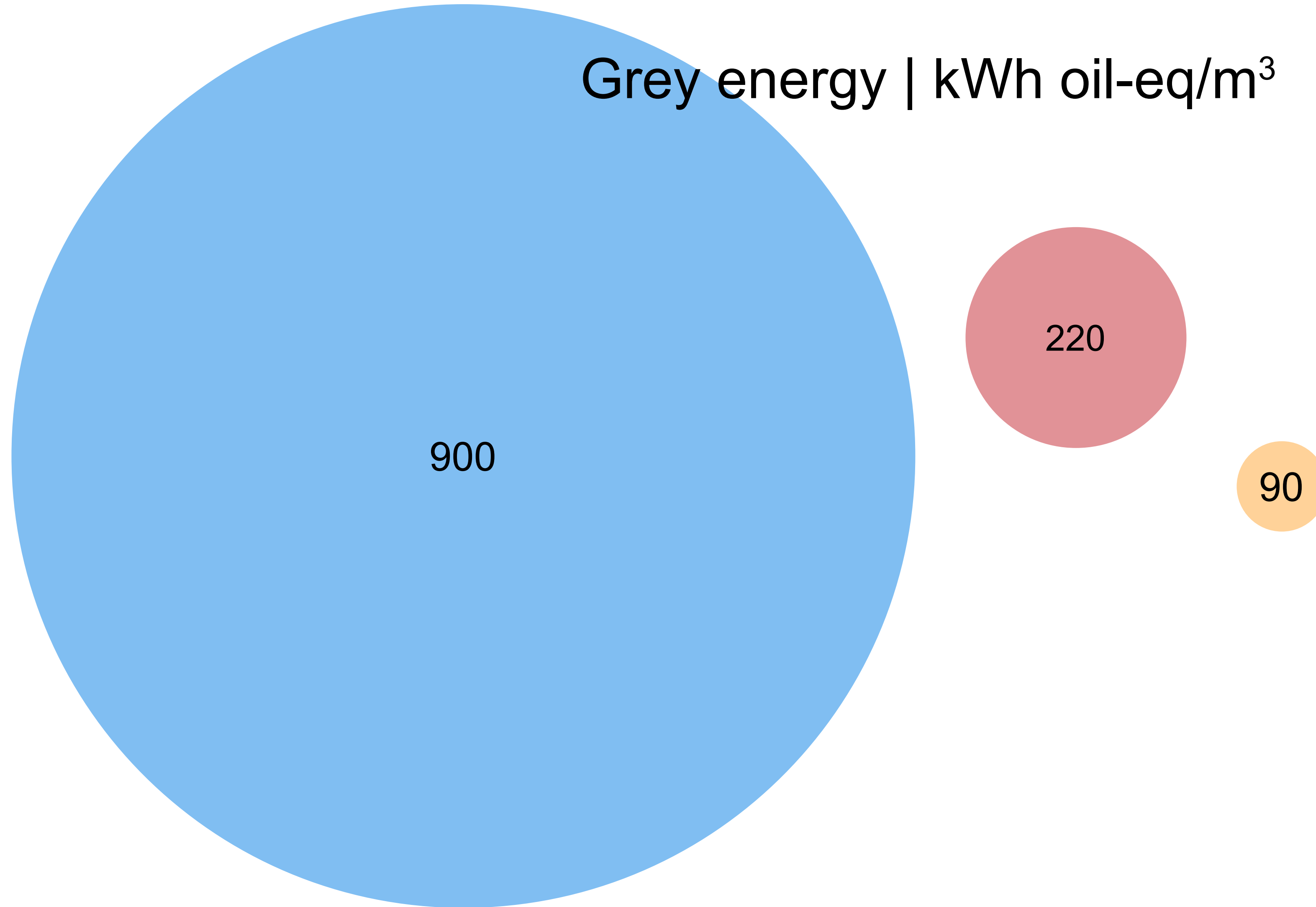
Grey energy | kWh oil-eq/m³



● EPS
0.04 W/mK

● Stone wool
0.035 W/mK

Grey energy | kWh oil-eq/m³

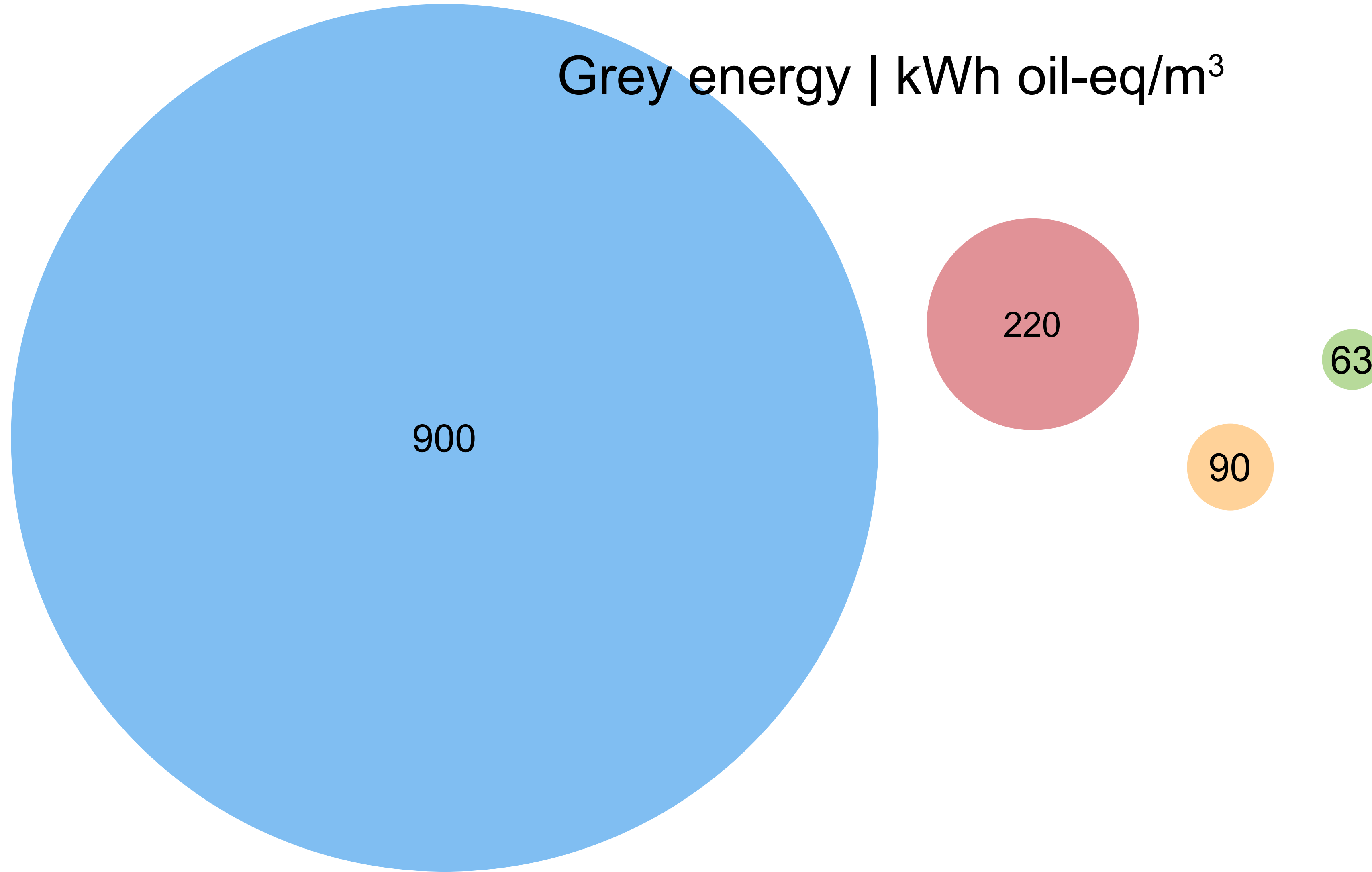


● EPS
0.04 W/mK

● Stone wool
0.035 W/mK

● Glass wool
0.035 W/mK

Grey energy | kWh oil-eq/m³



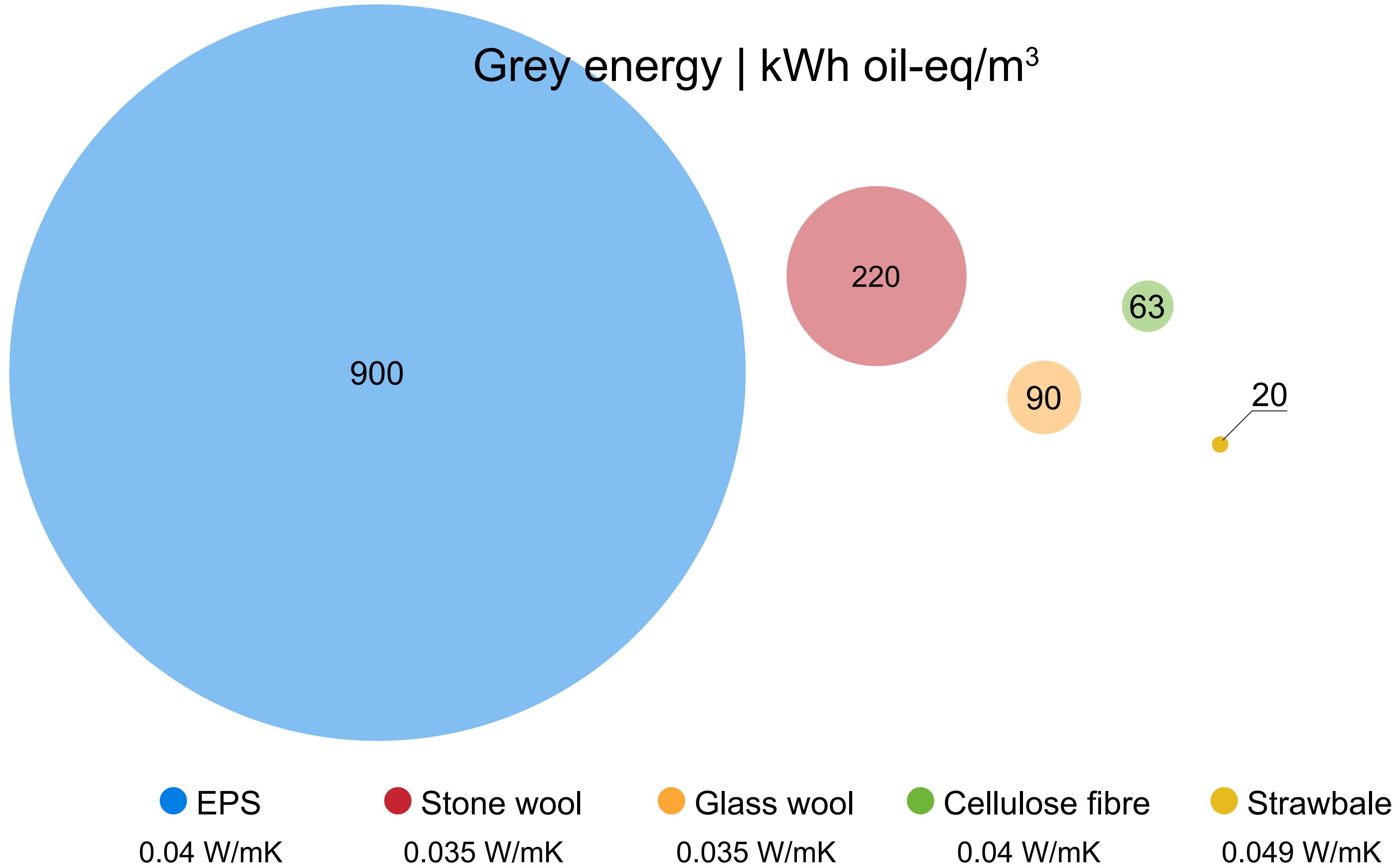
● EPS
0.04 W/mK

● Stone wool
0.035 W/mK

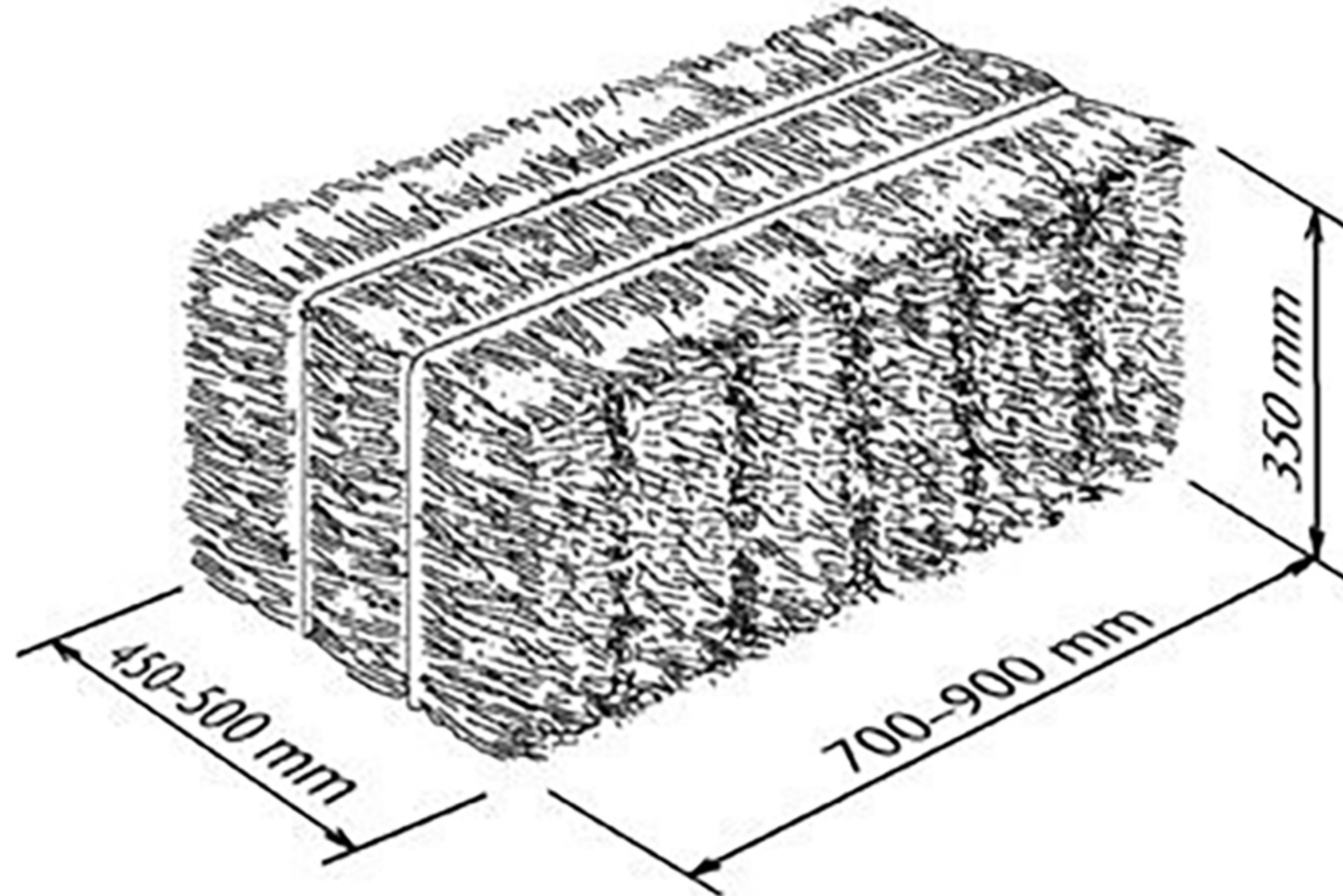
● Glass wool
0.035 W/mK

● Cellulose fibre
0.04 W/mK

Grey energy | kWh oil-eq/m³

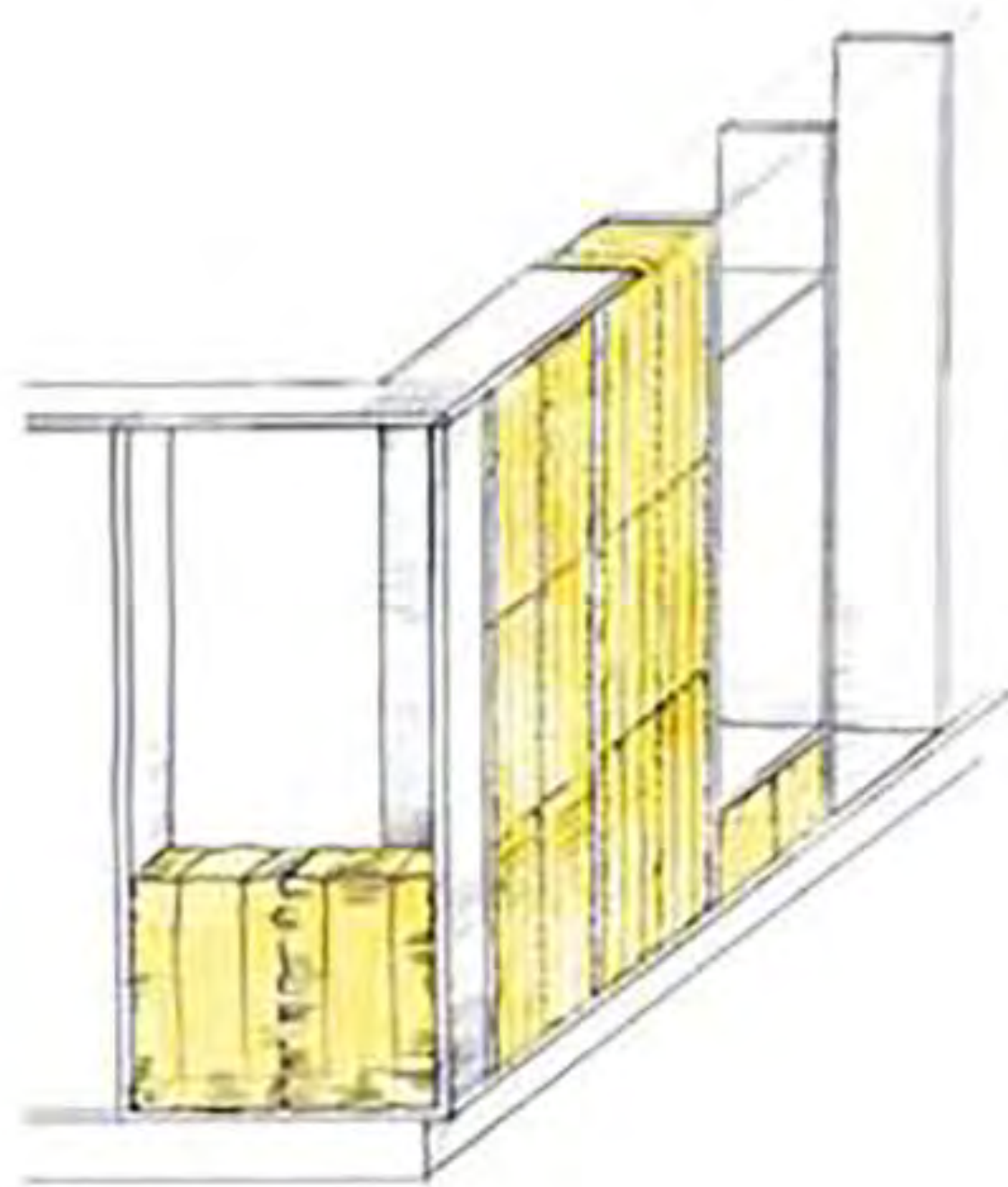


Strawbale size



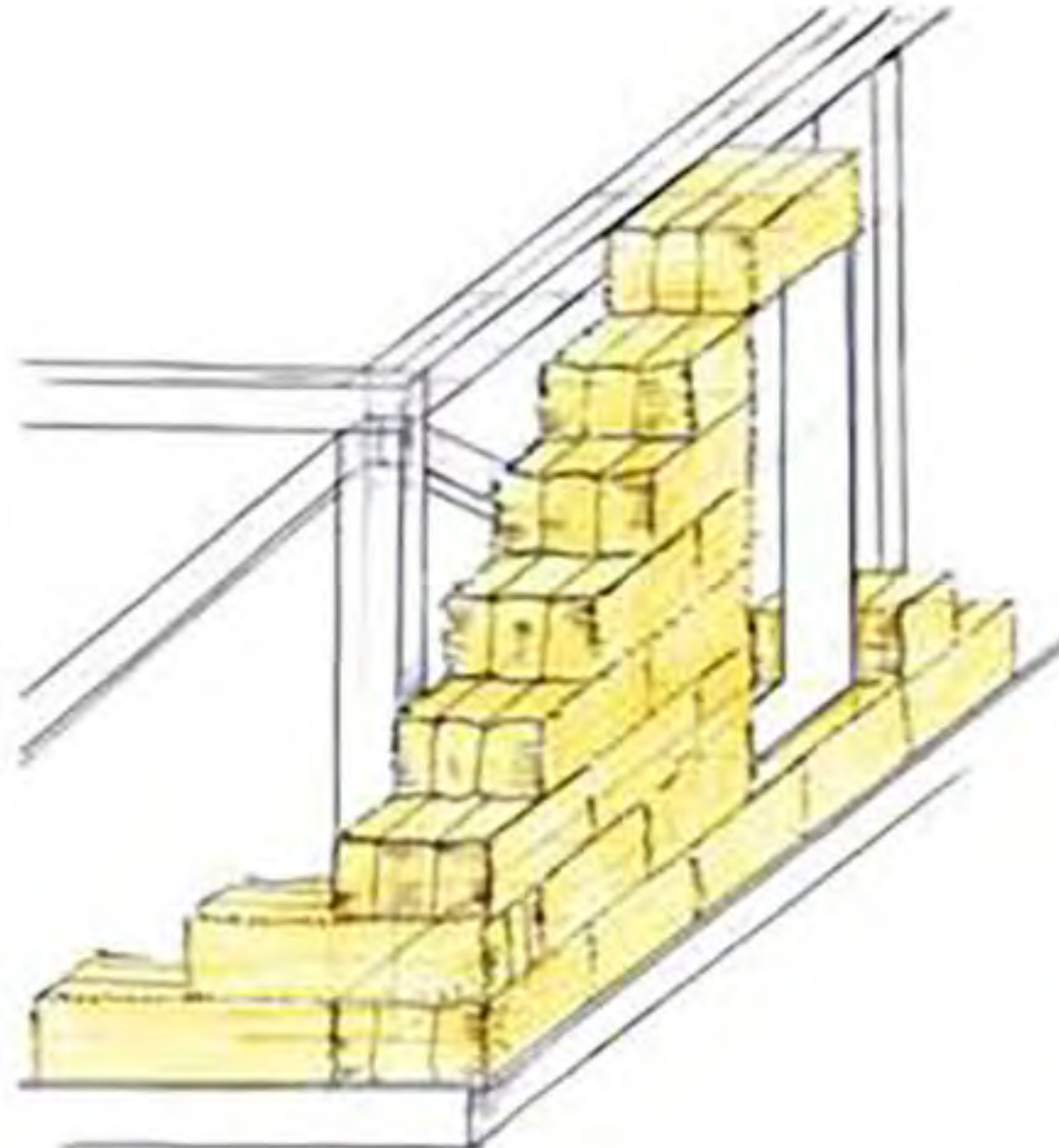
price per delivered strawbale » 10 Euro

Types of construction



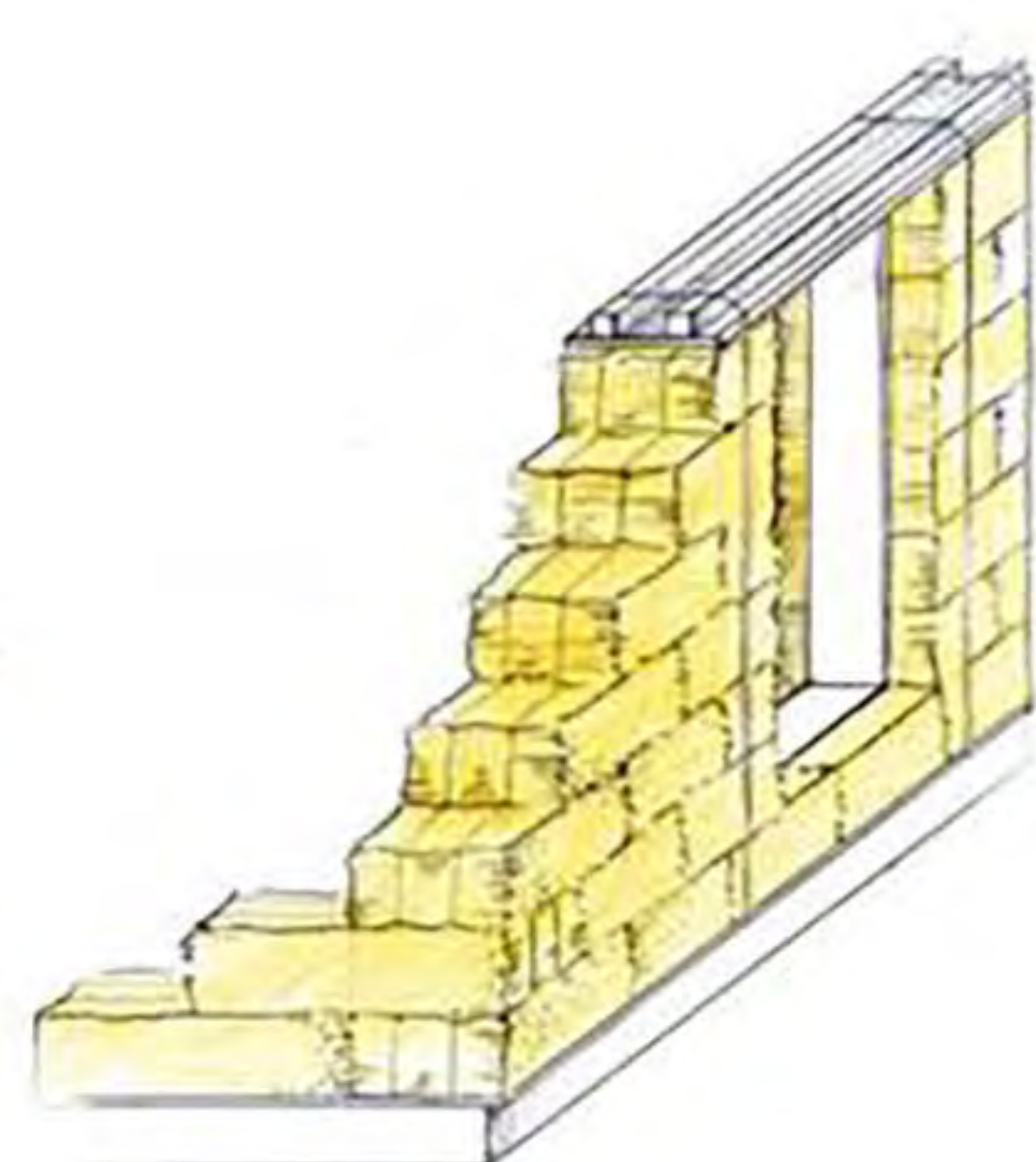
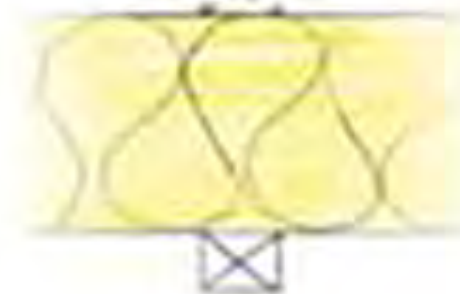
frame construction

filler insulating

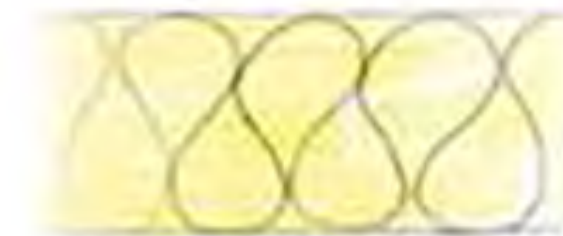


frame construction

front-mounted isolation



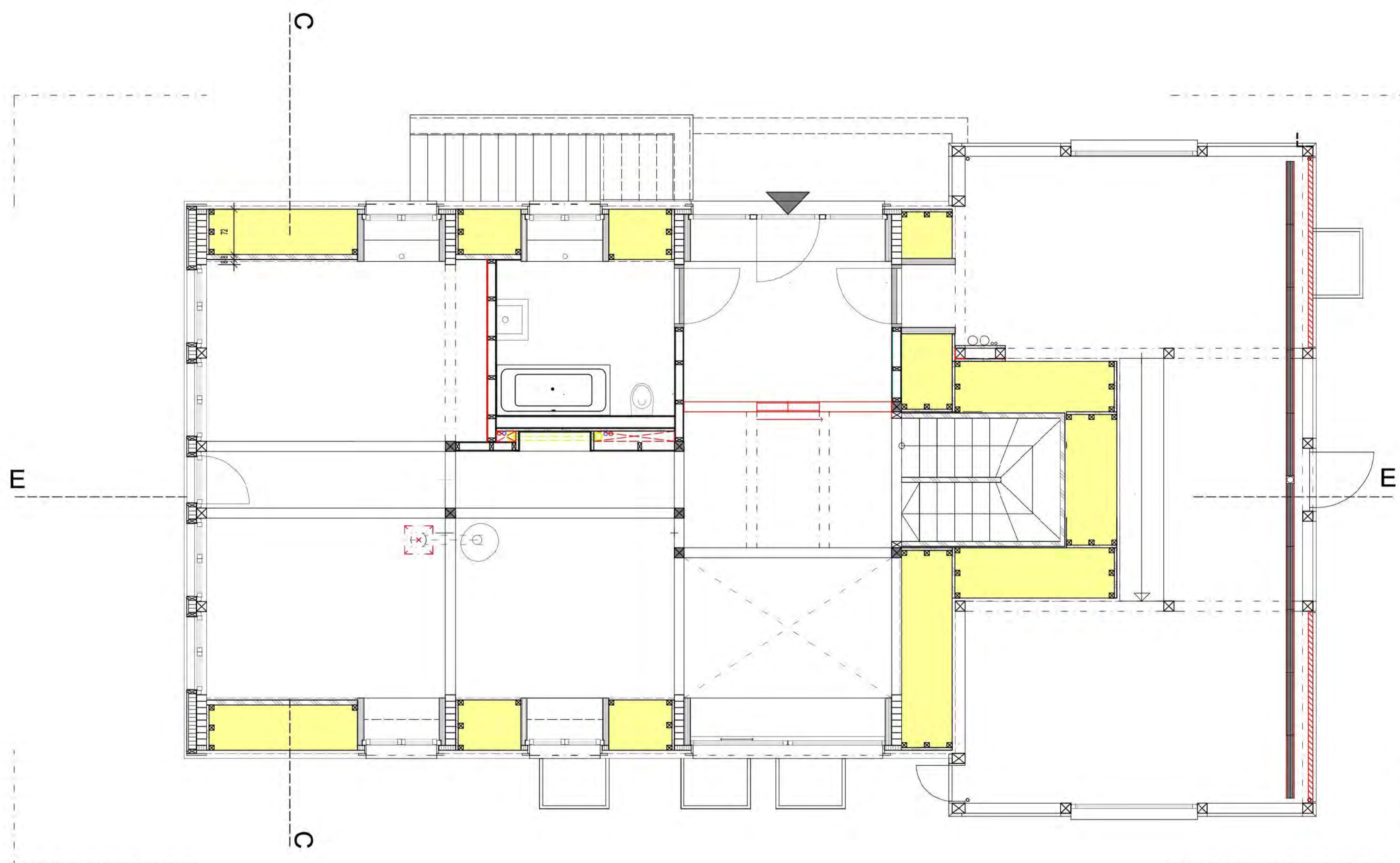
load-bearing

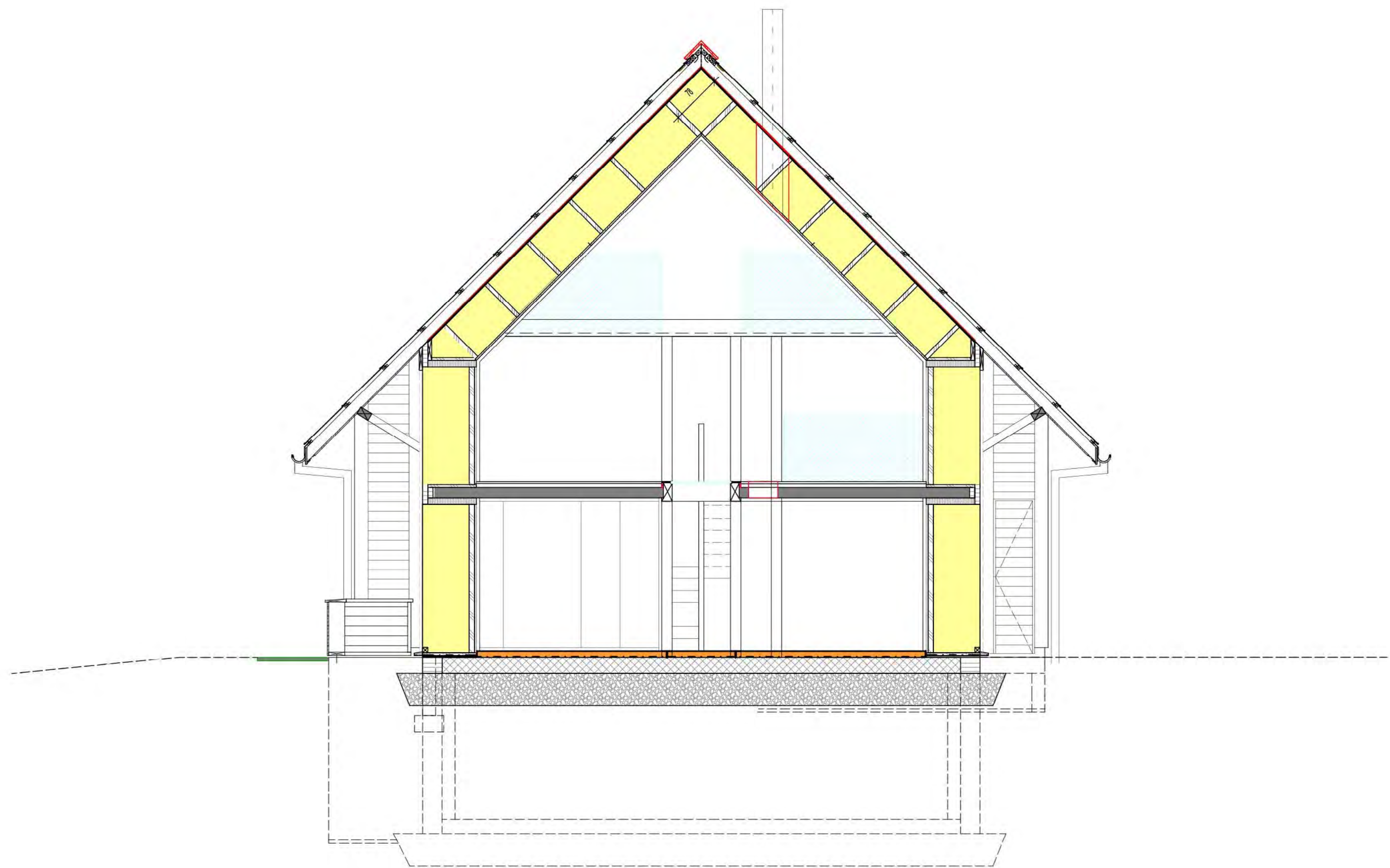




House Honsberger-Dalla Libera, CH-Graben

built in 2017/18











2.5
2.5
2.5

AW OG 01 ↑ Ausser

HD 2000

BER-BAUEN

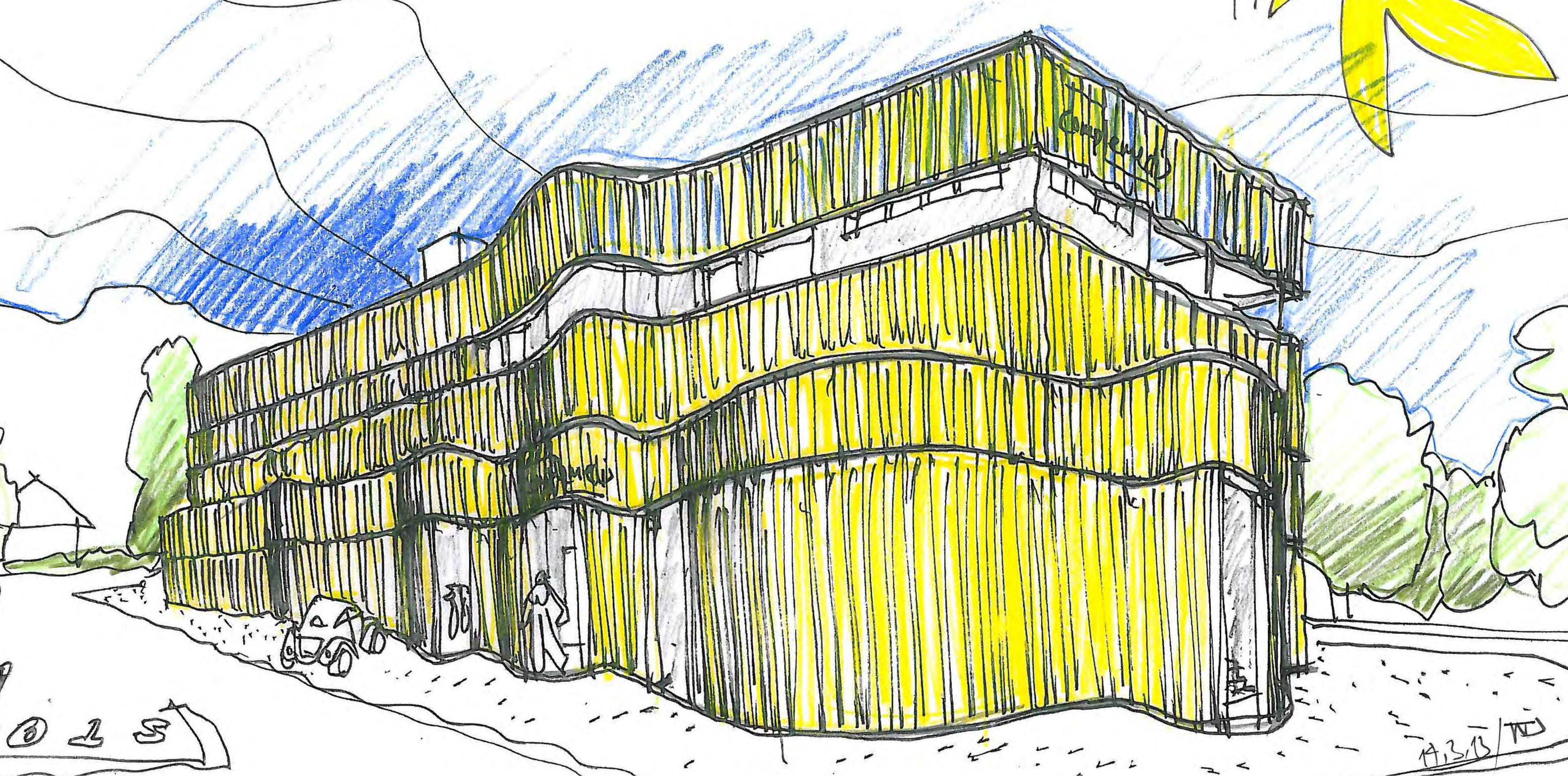






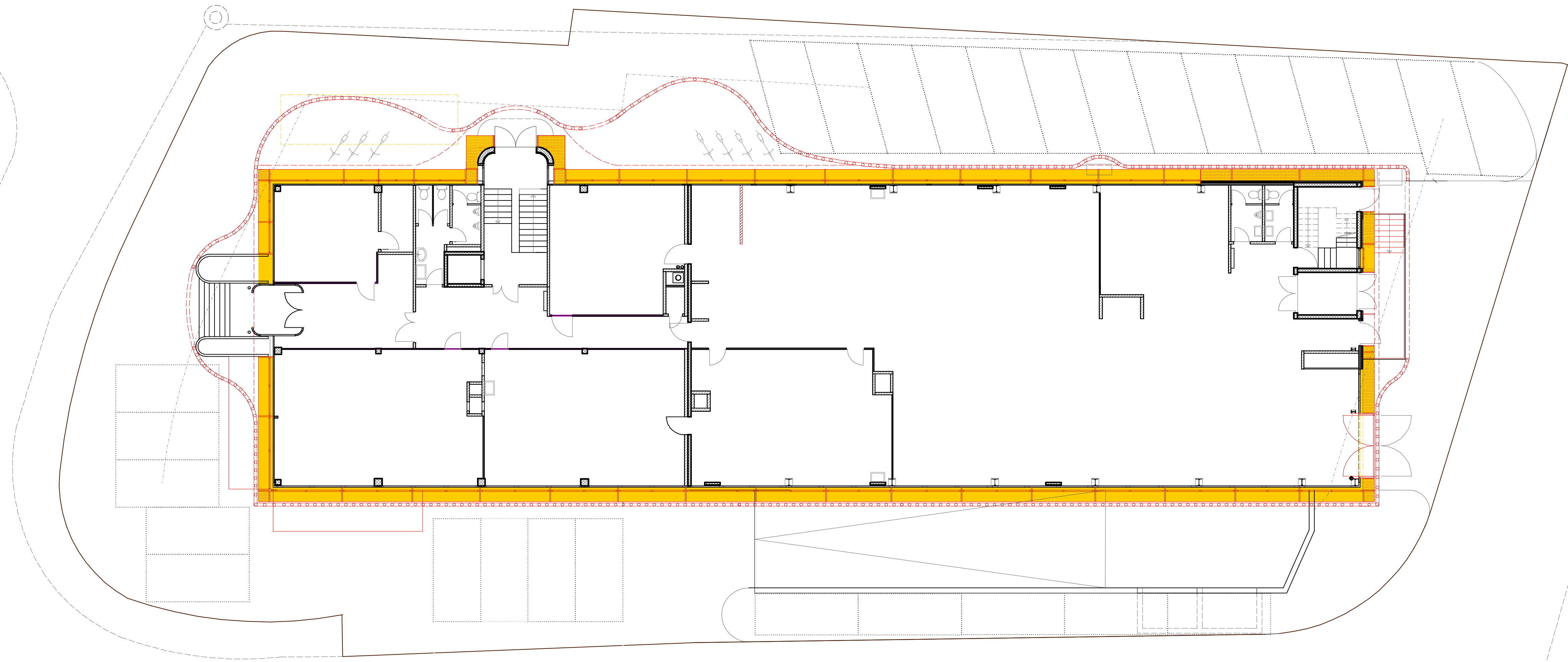






Complemedis AG, CH-Trimbach
Rehabilitation industrial building | built in 2013/14





Erdgeschoss 1: 200









ZAUGG III

JLG LIFT

complemedi

Kreisbau
Vertrieb AG

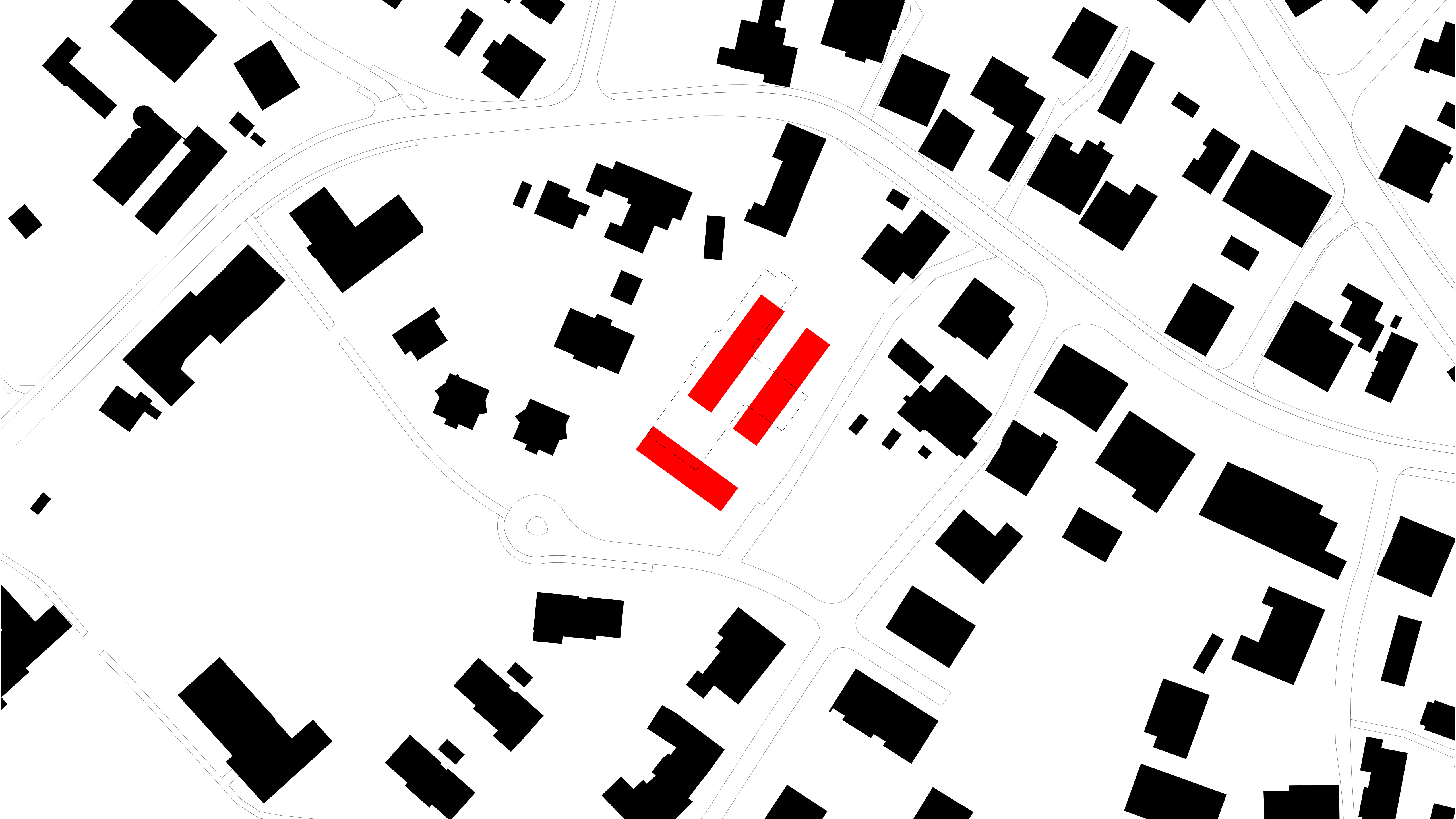
FLÜSSENICER
FACHFÜR BAU

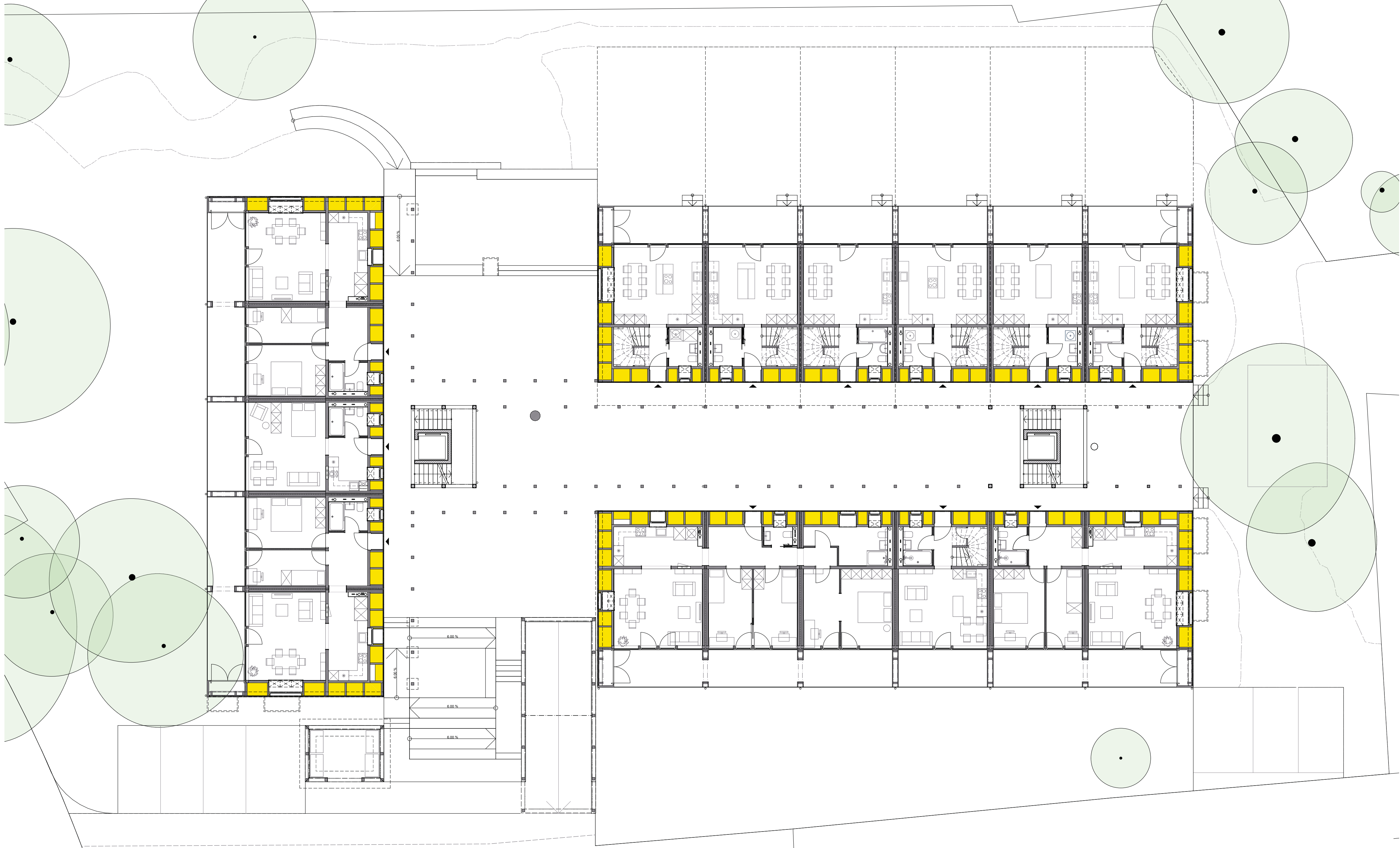




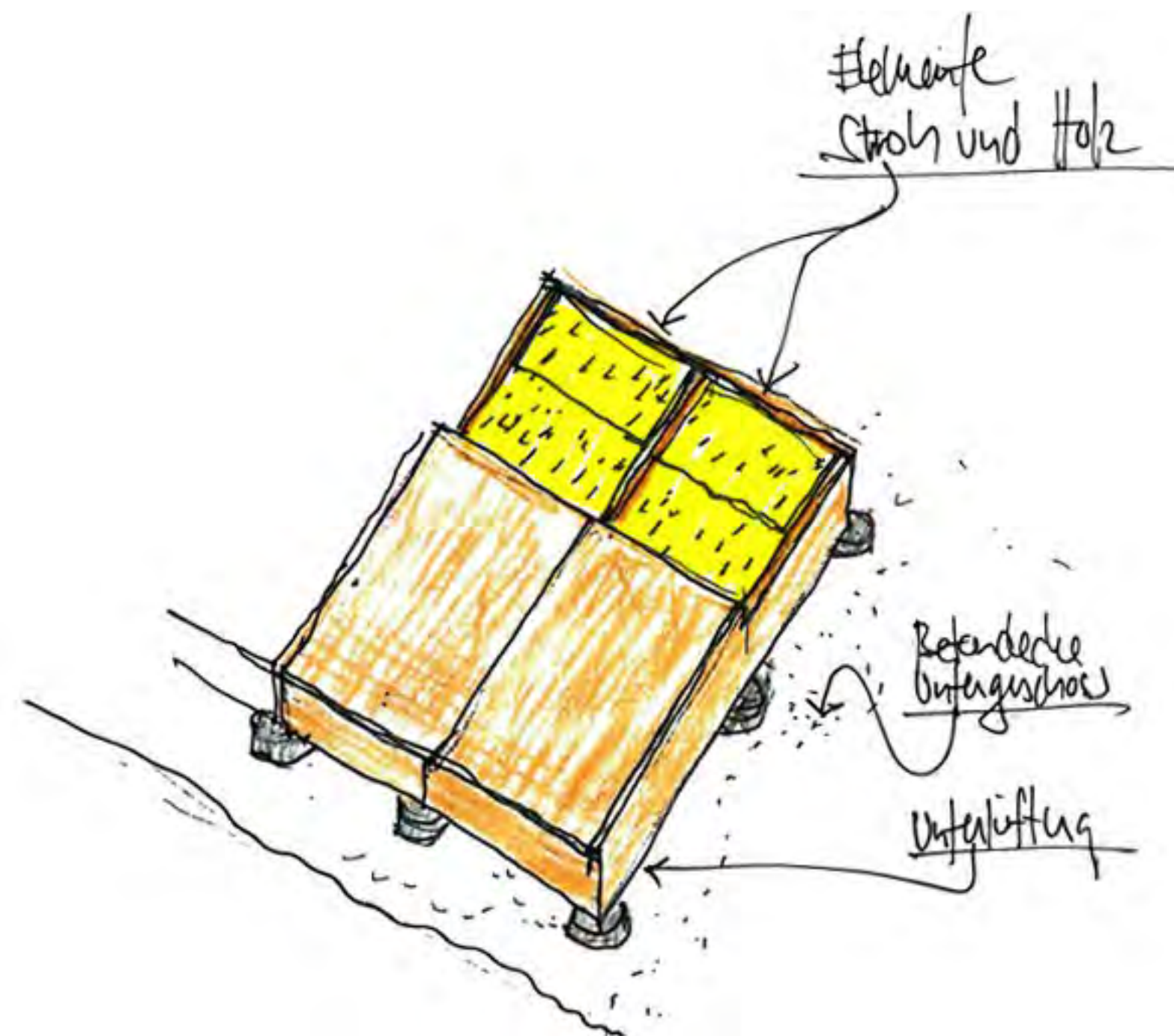


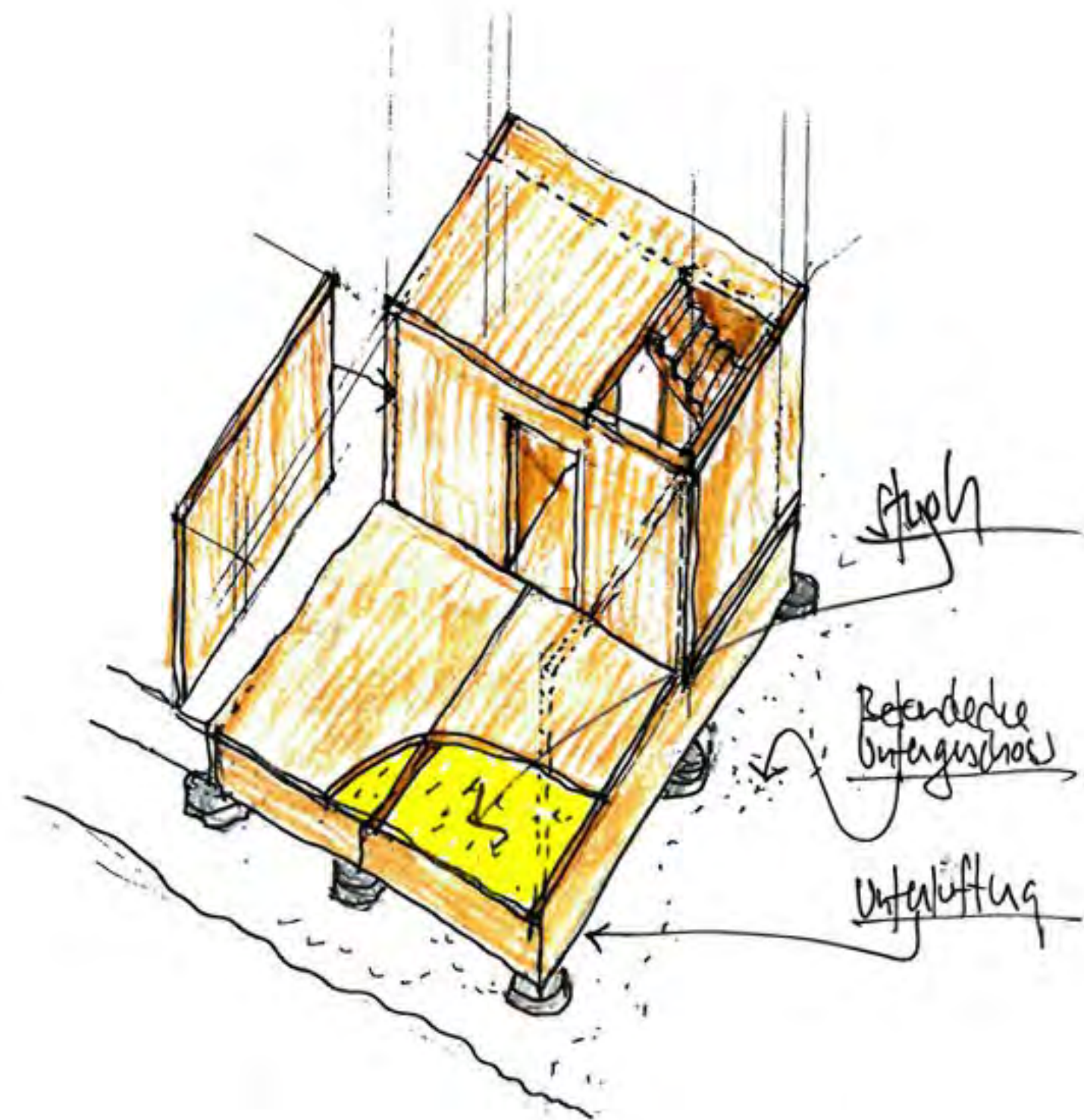
Housing development «im Vogelsang», CH-Nänikon
building in 2019/20

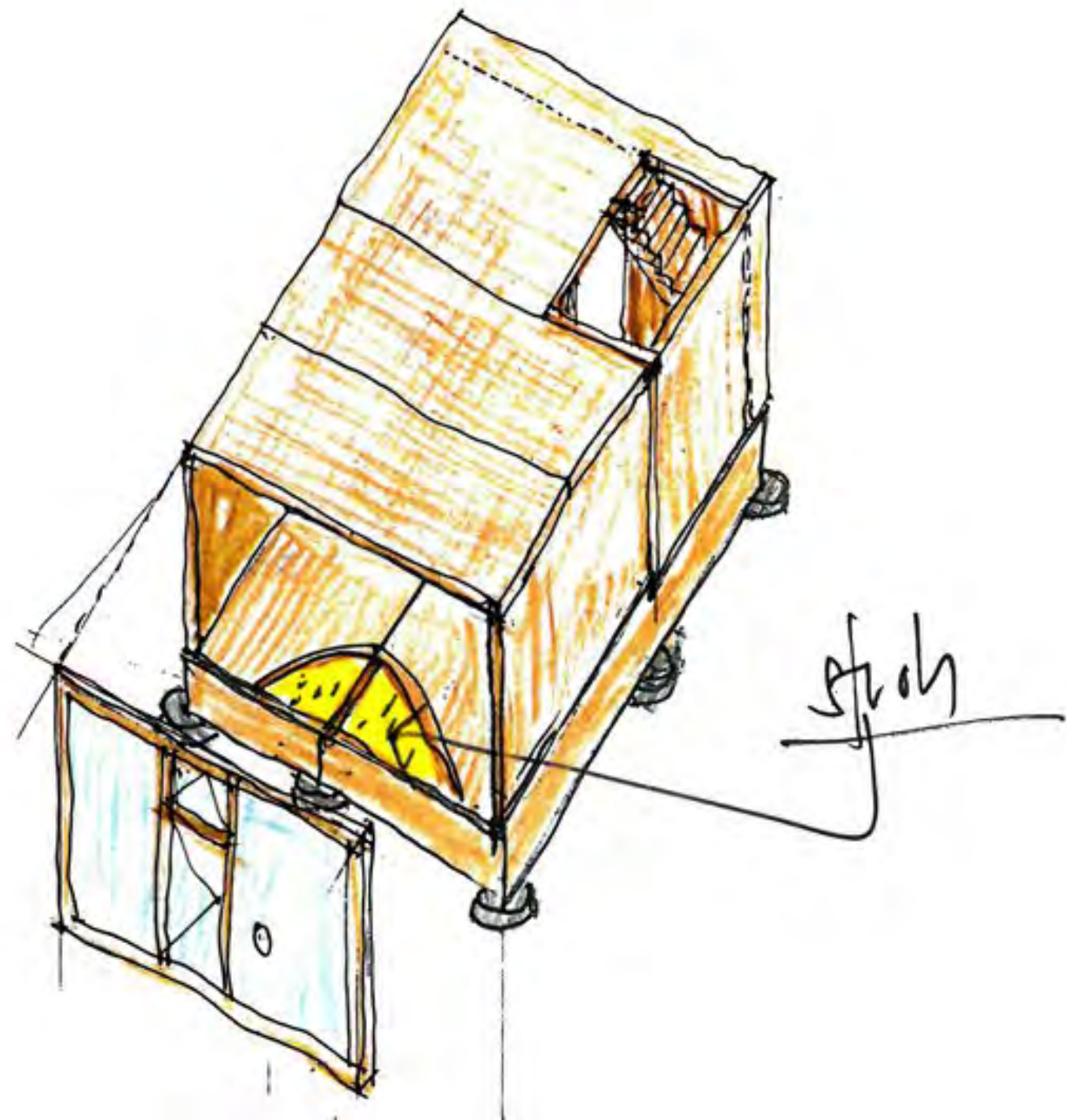




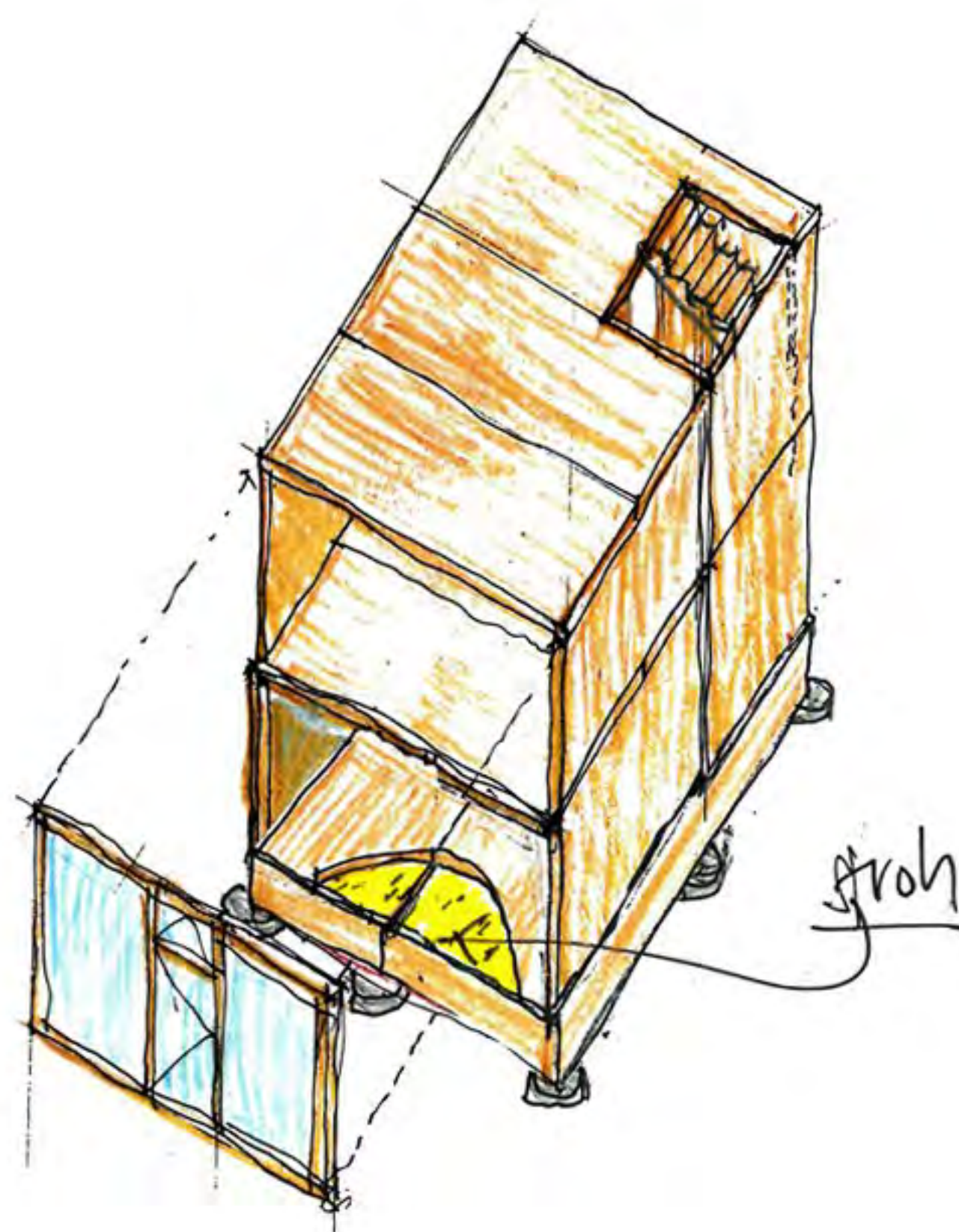


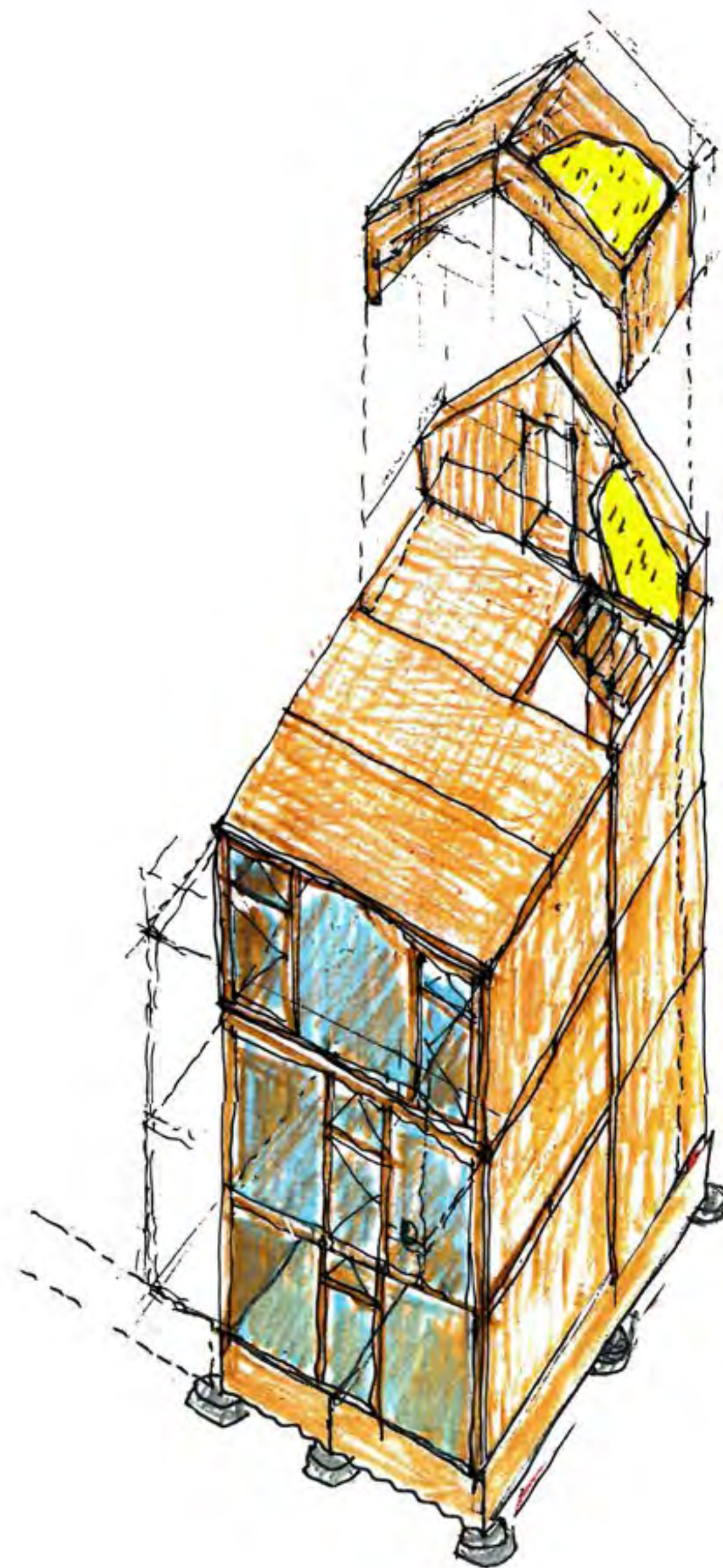


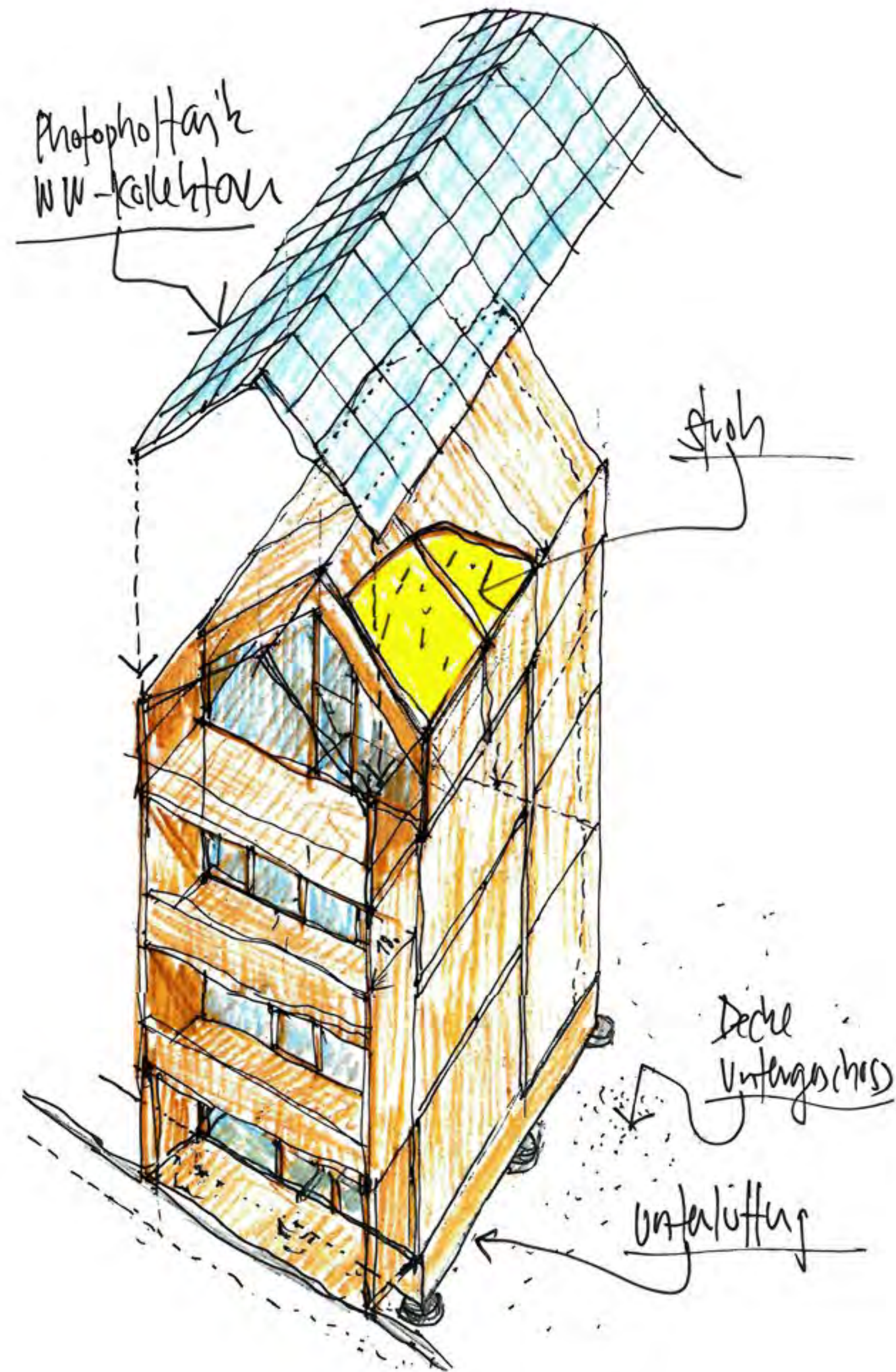




stich

























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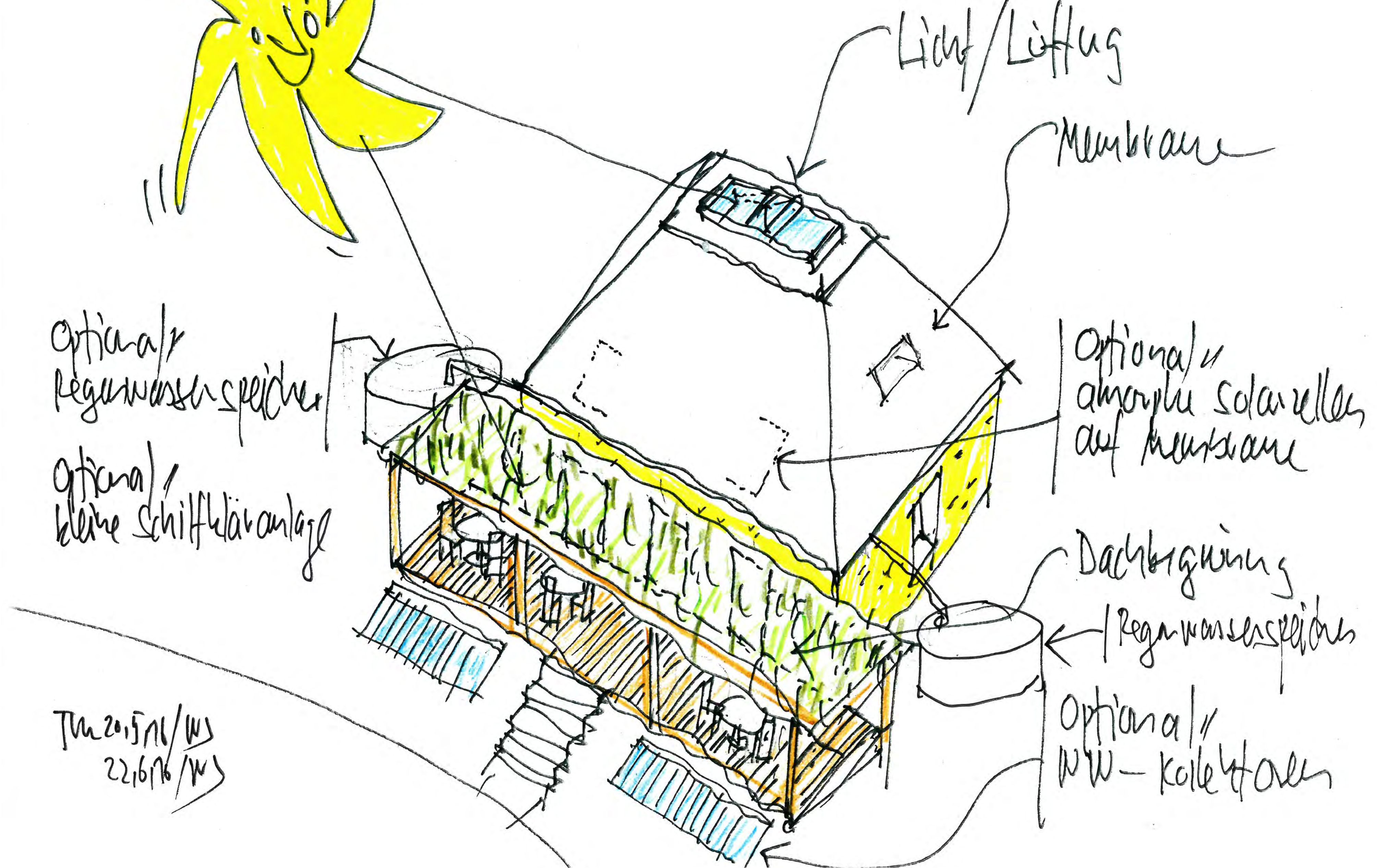












Gartist GmbH, CH-Bubikon

Exhibition and office building | built in 2016/17

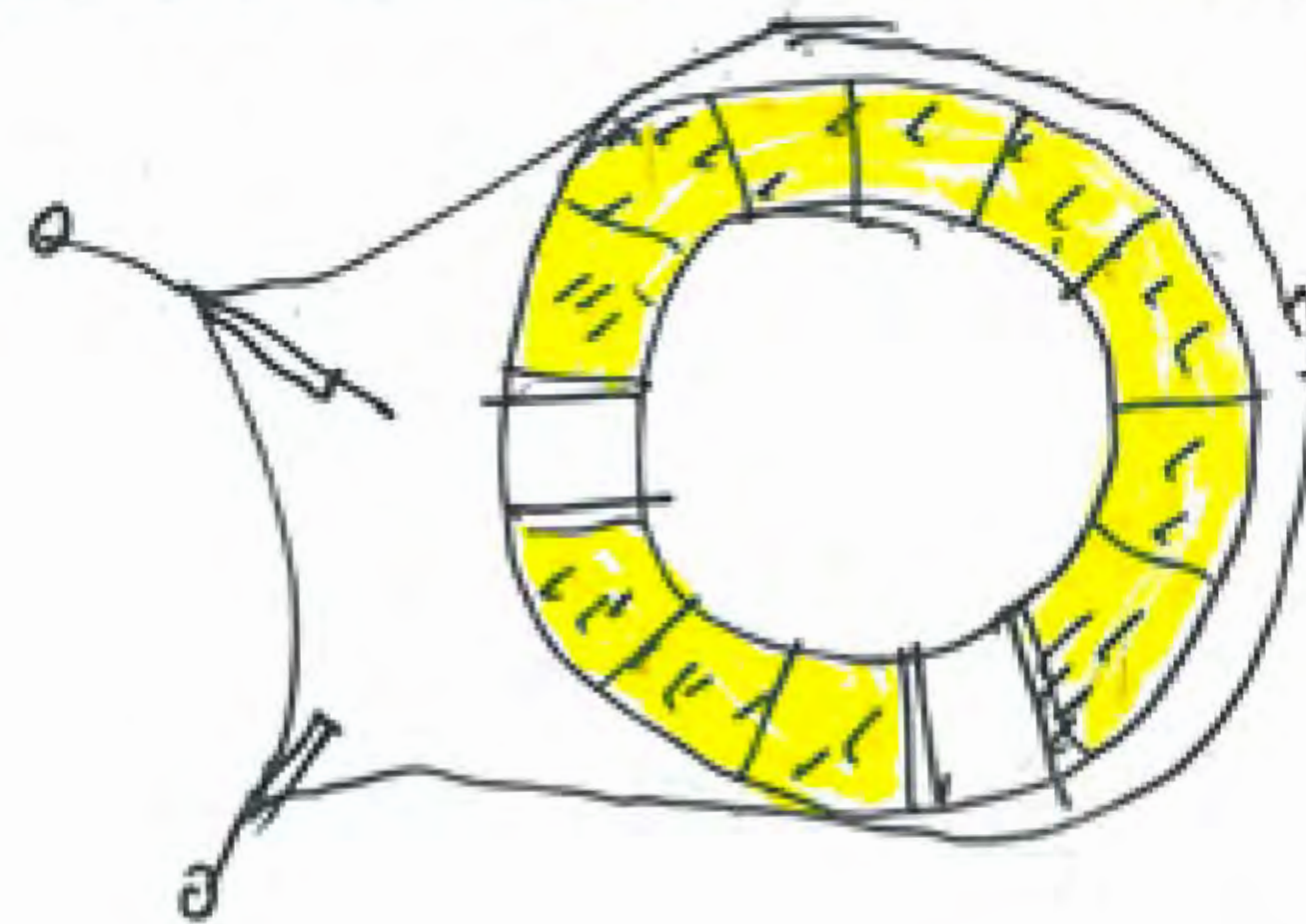
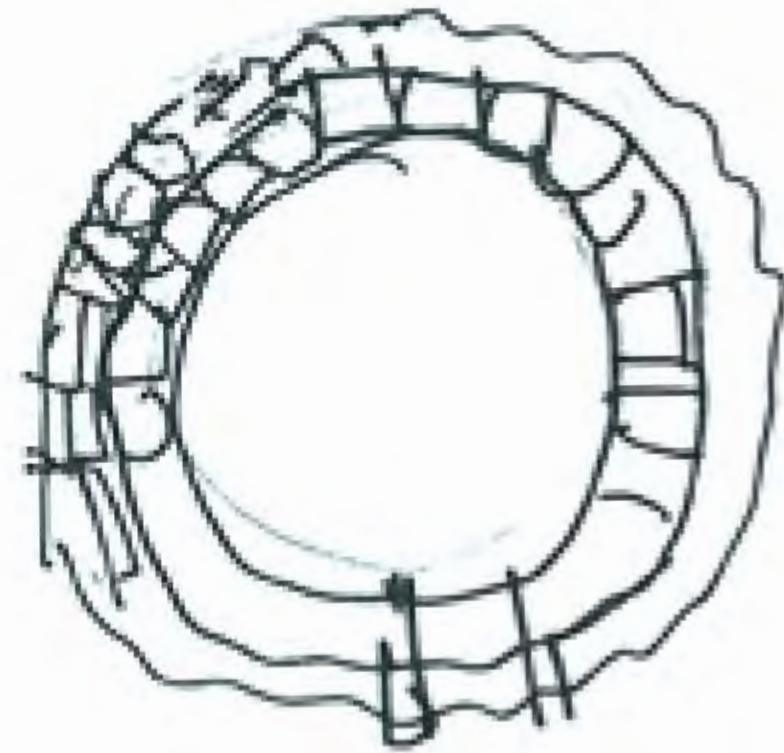
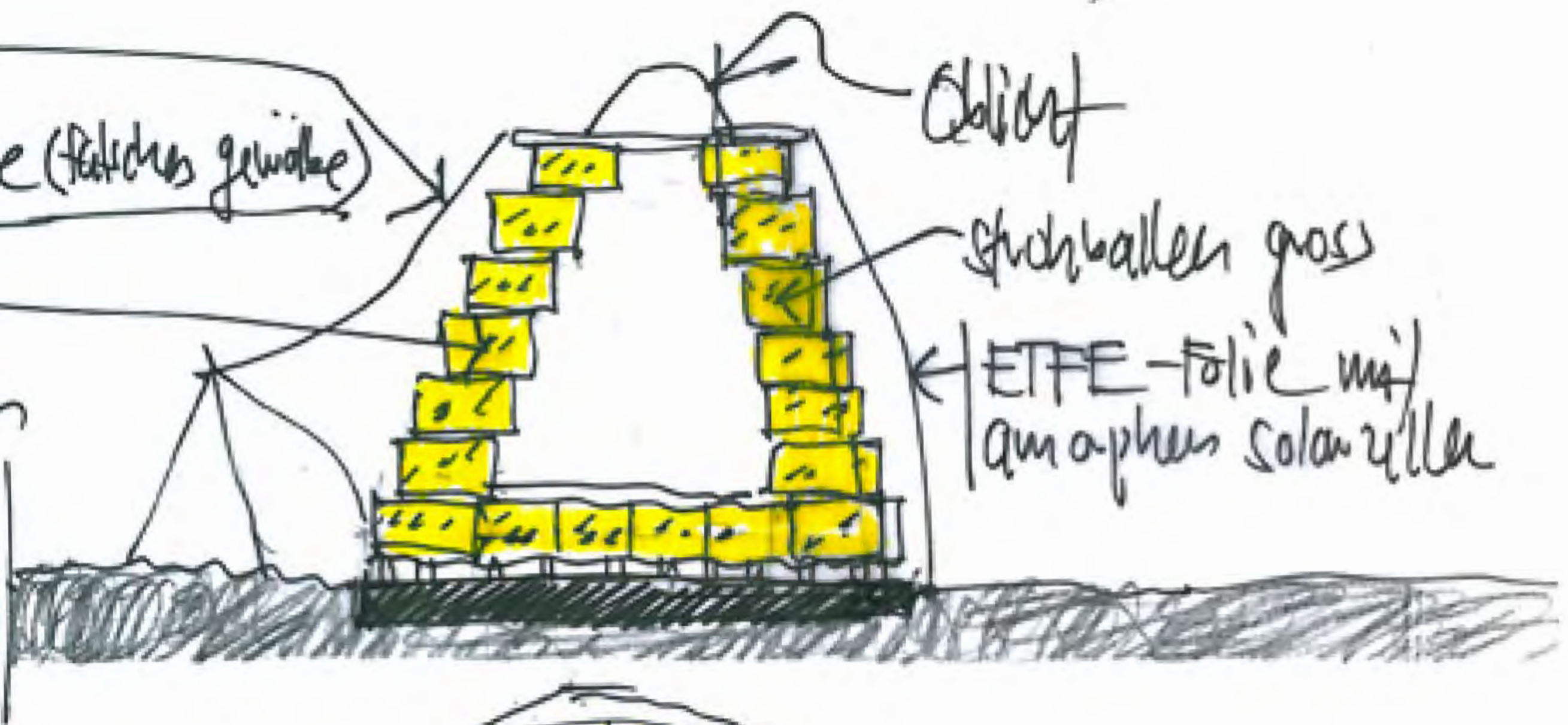


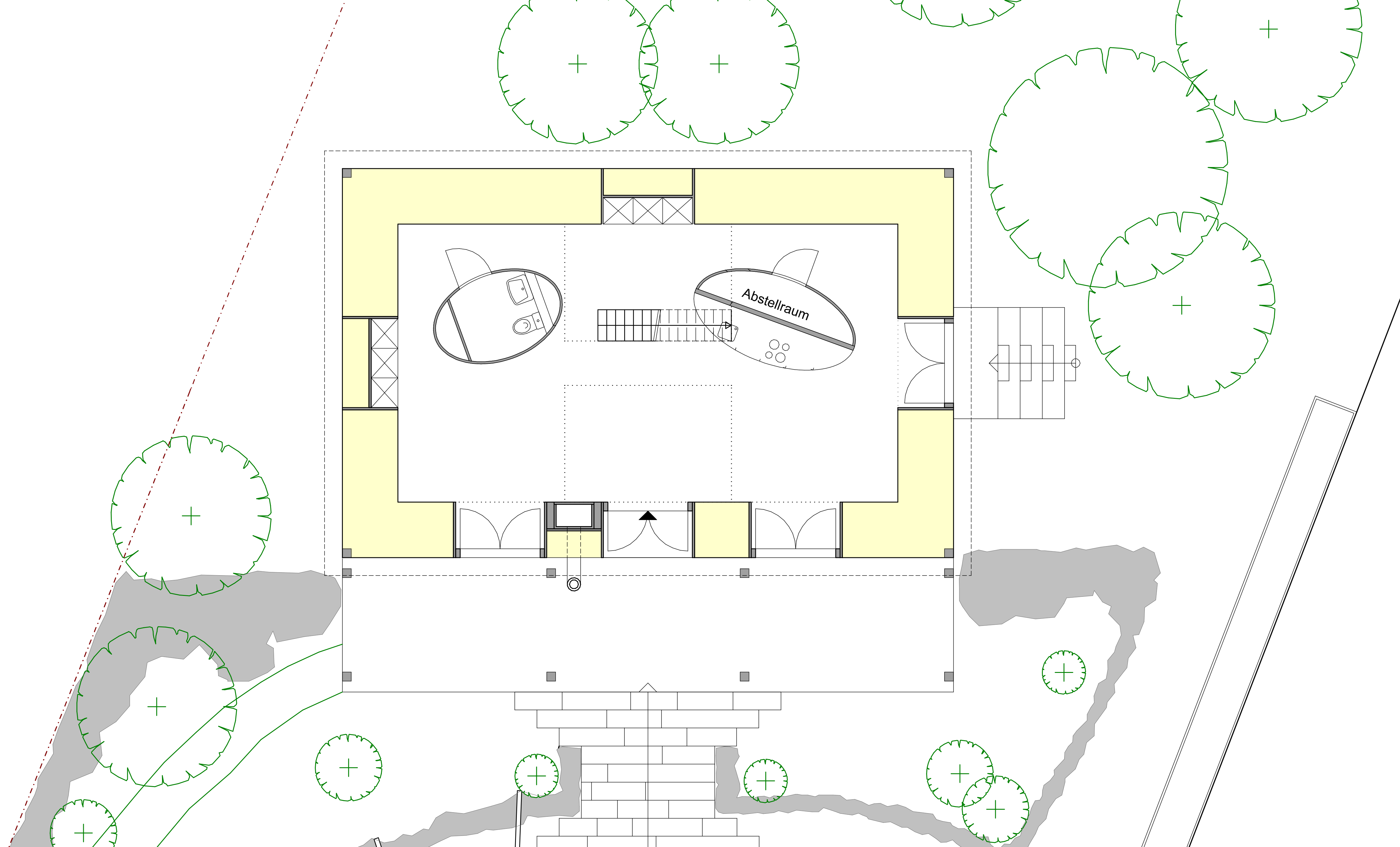


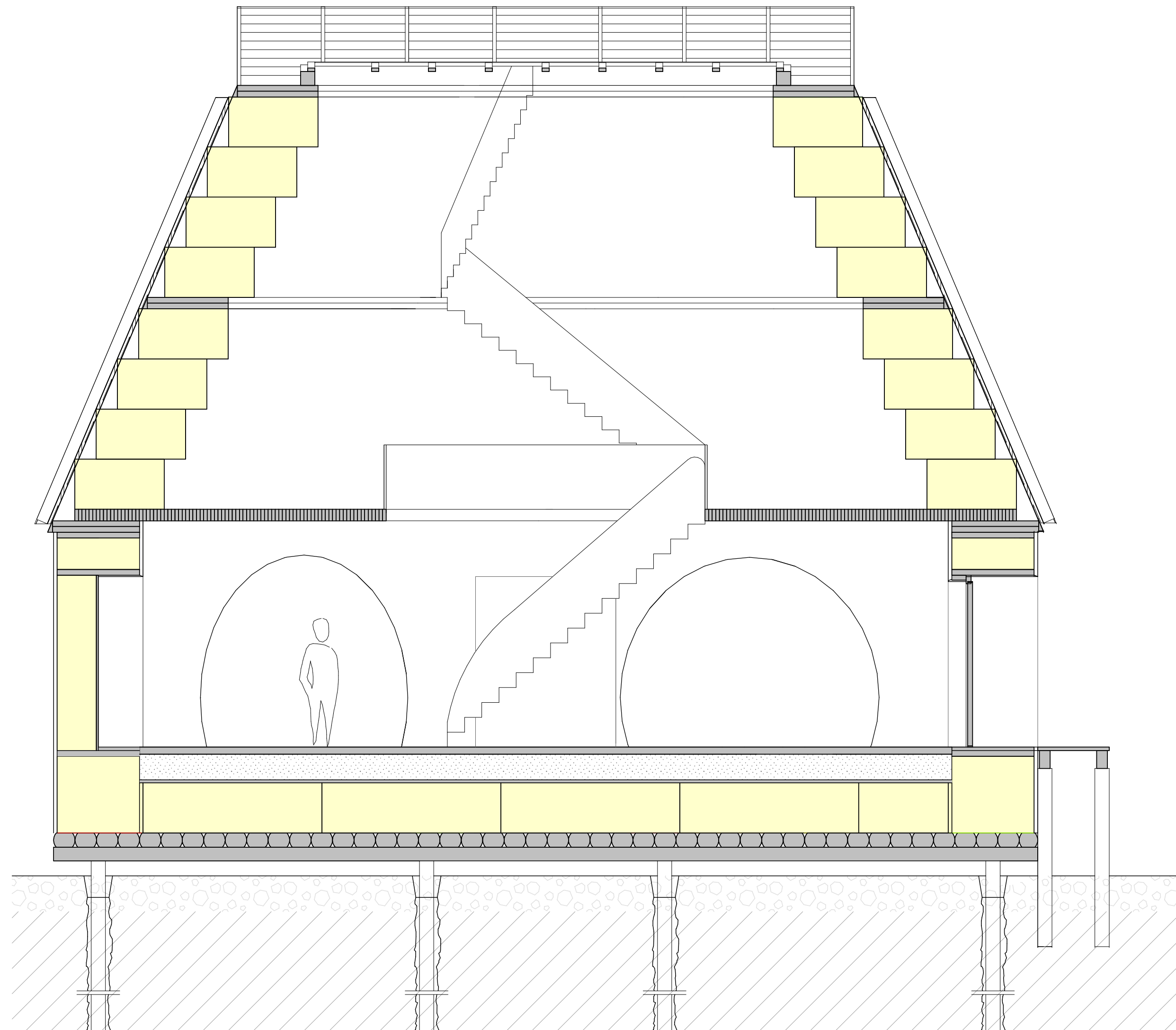
Alte Konstruktion (Tully)

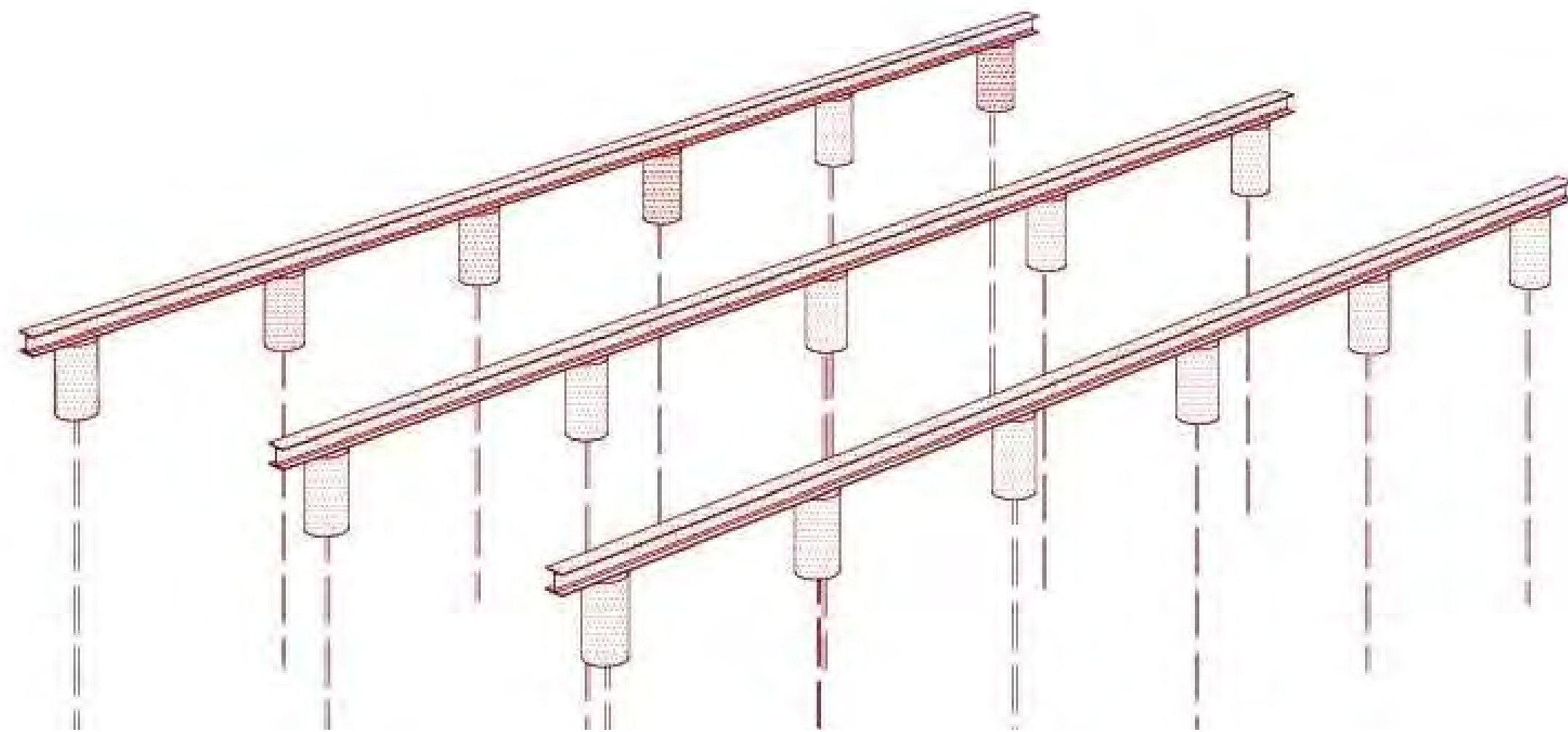


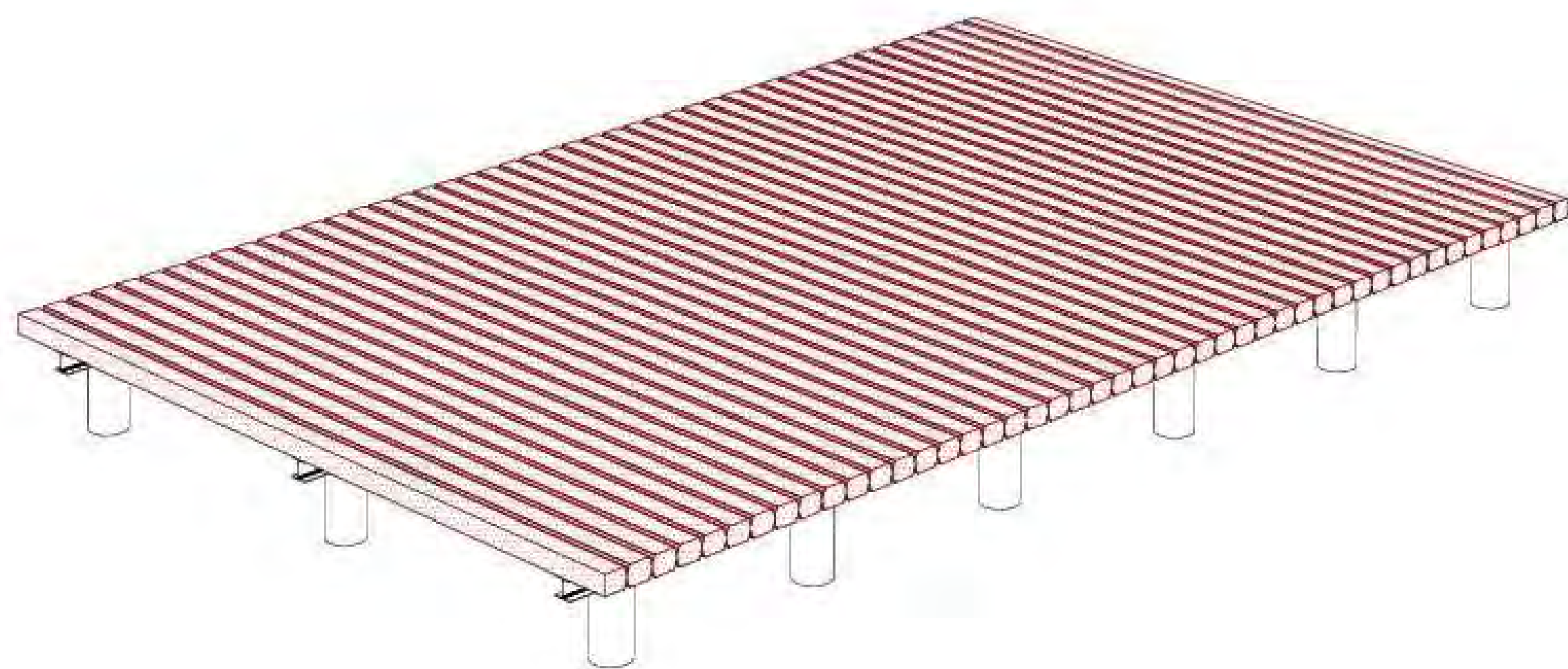
Neue Konstruktion (Tully)

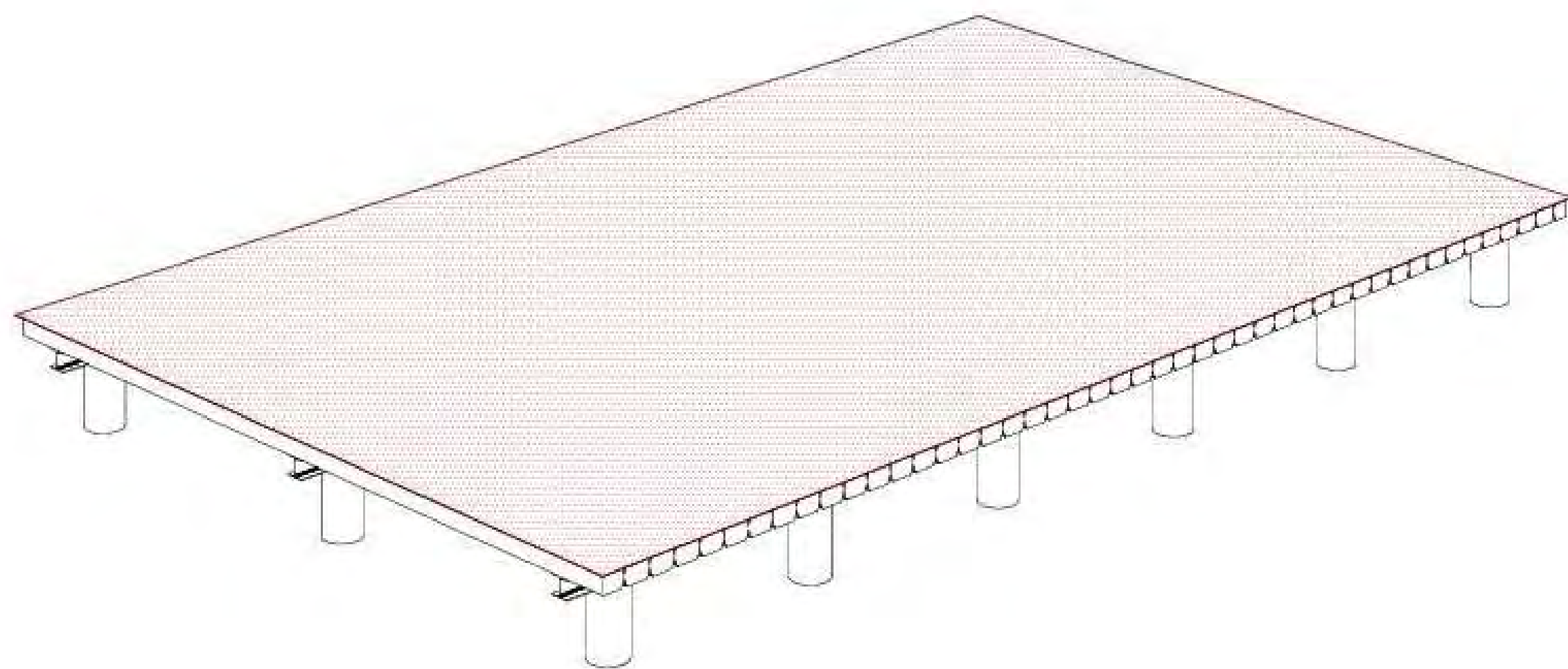


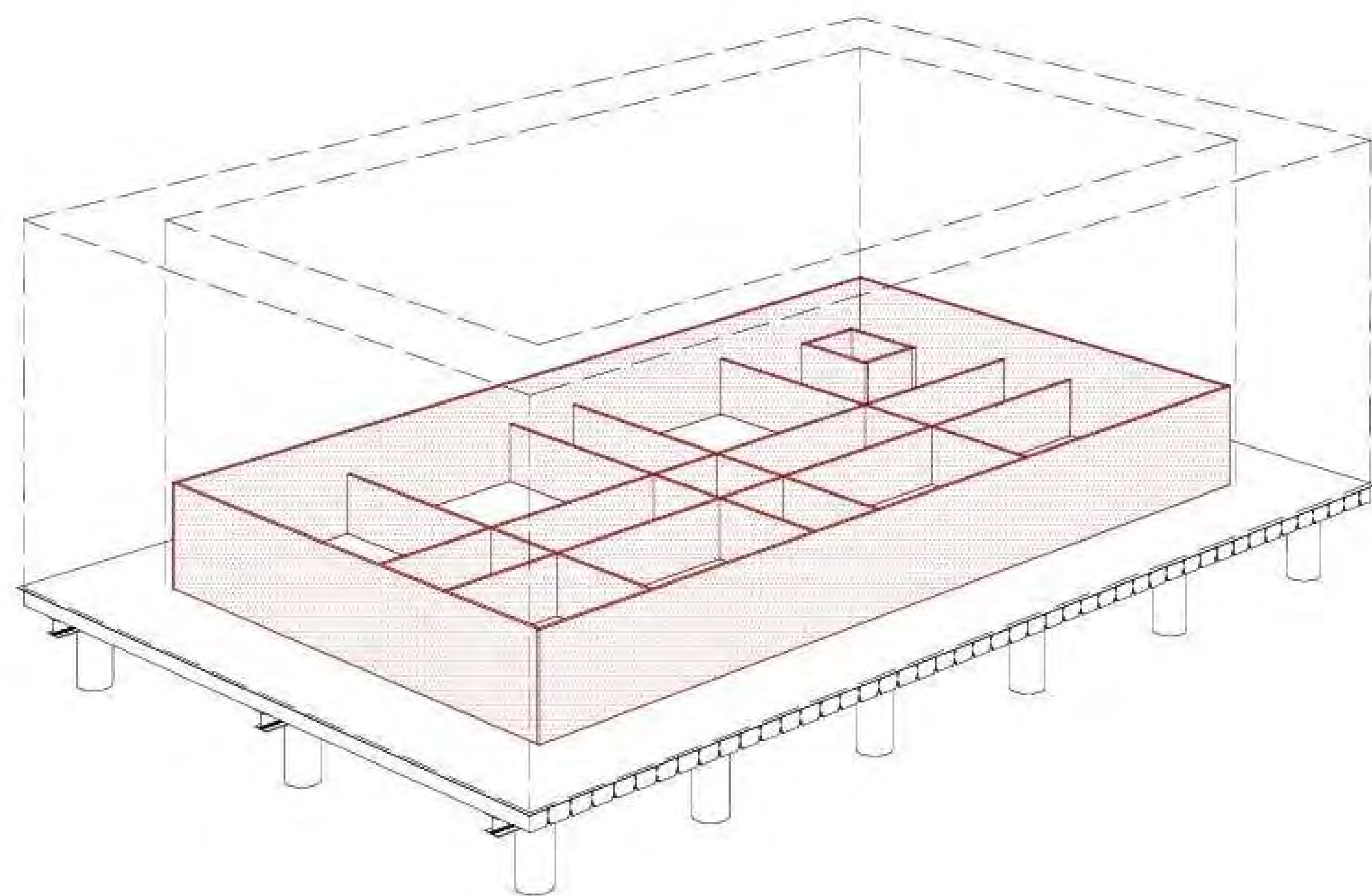


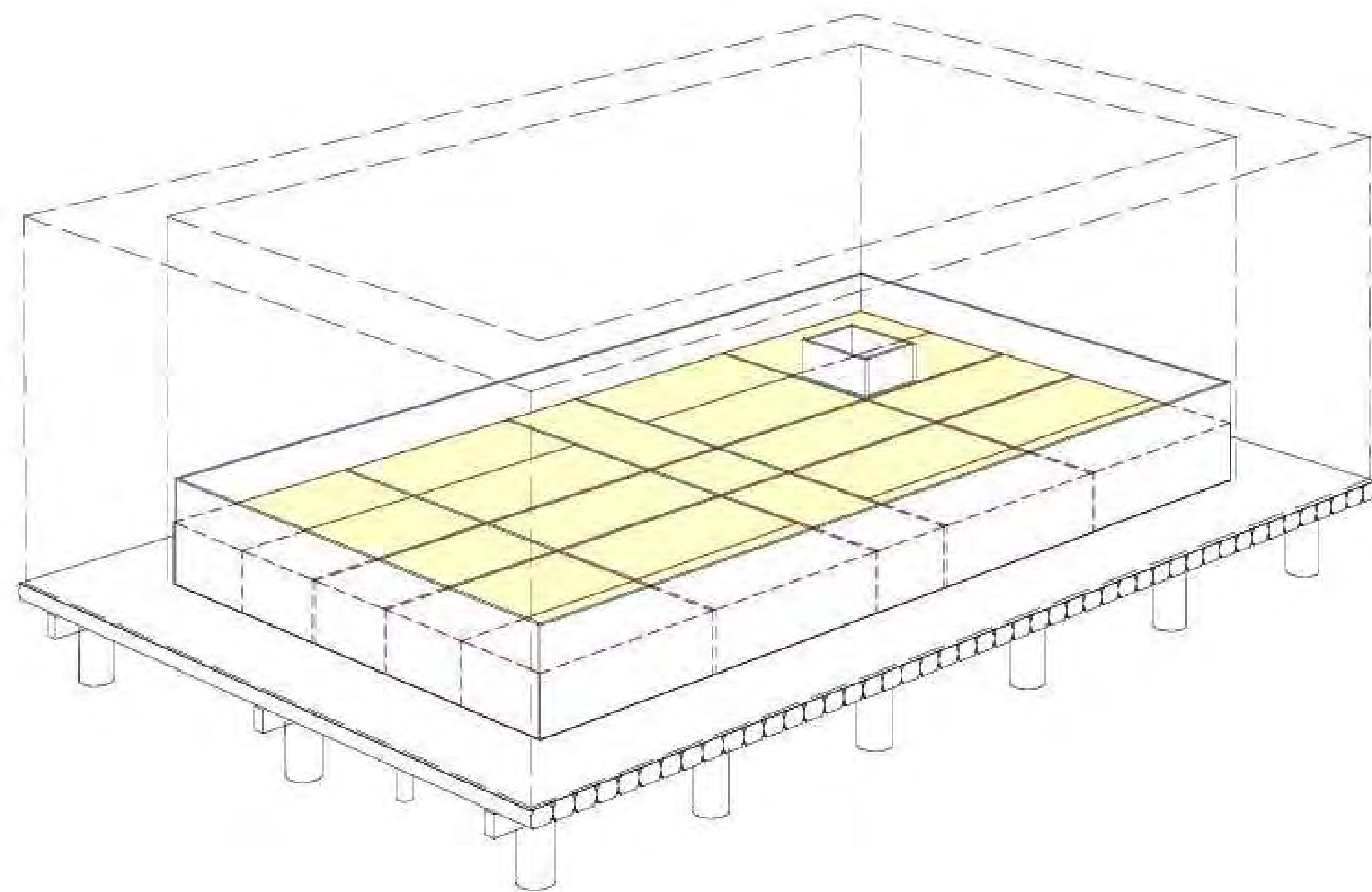


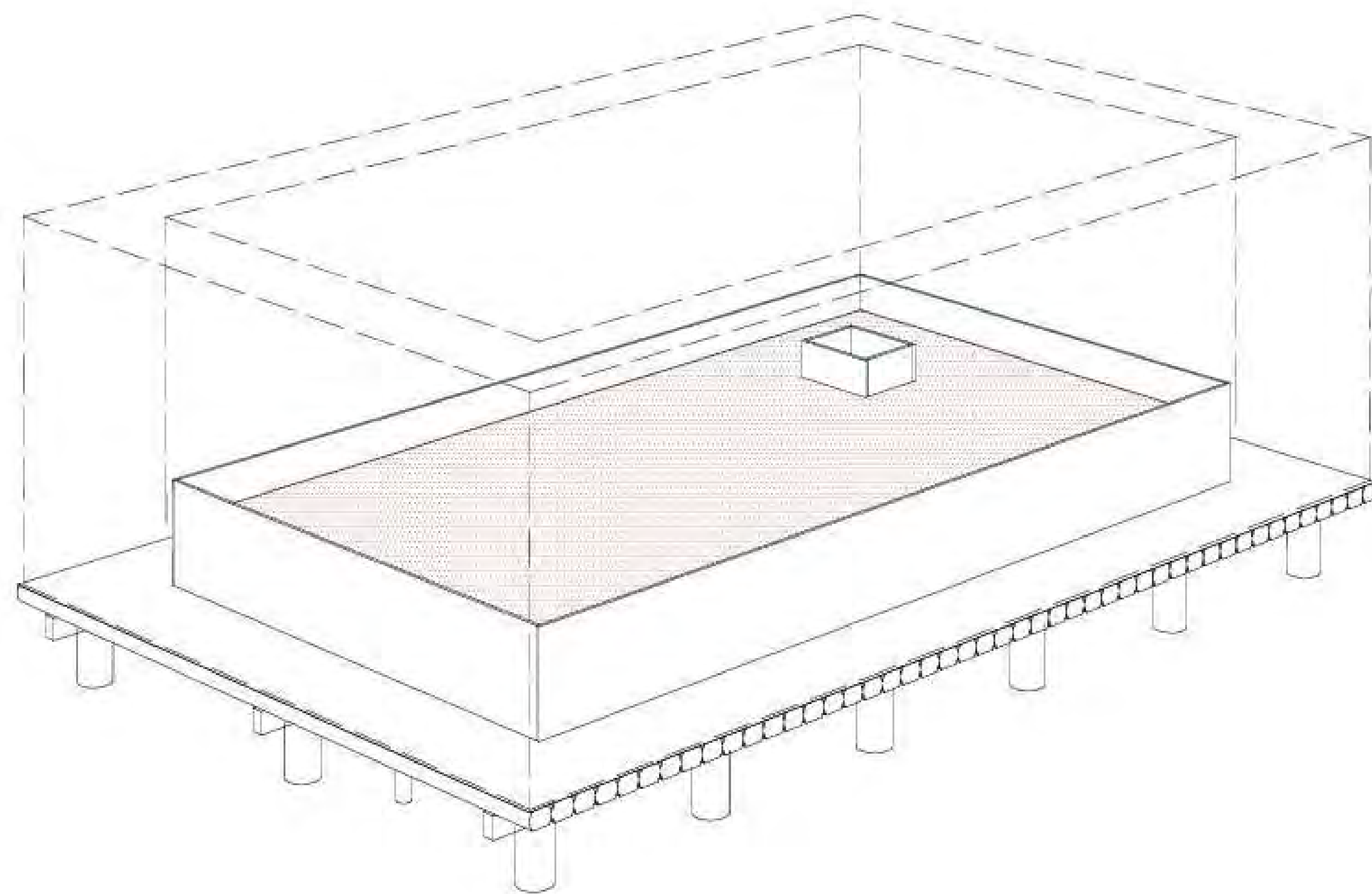


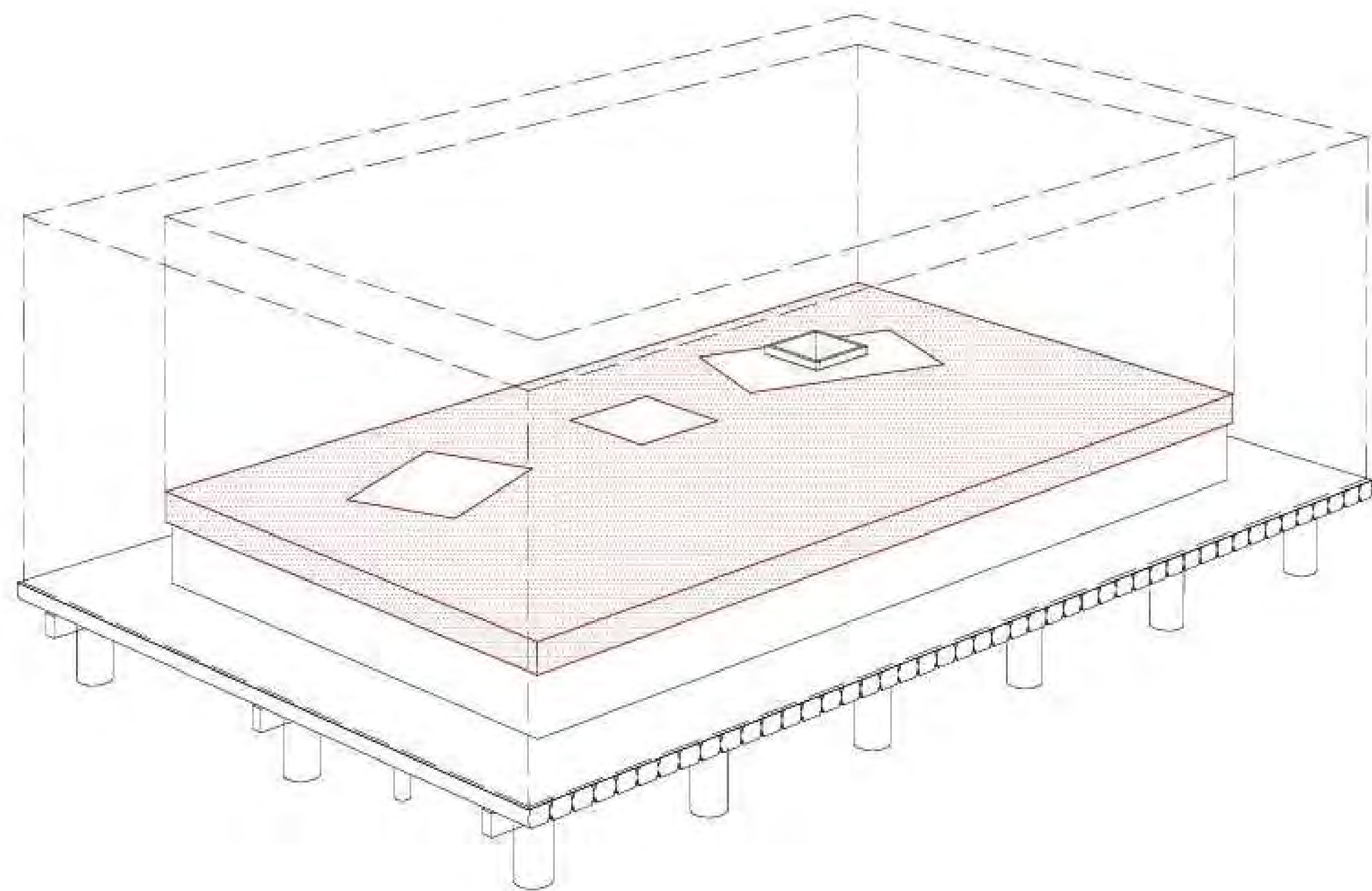


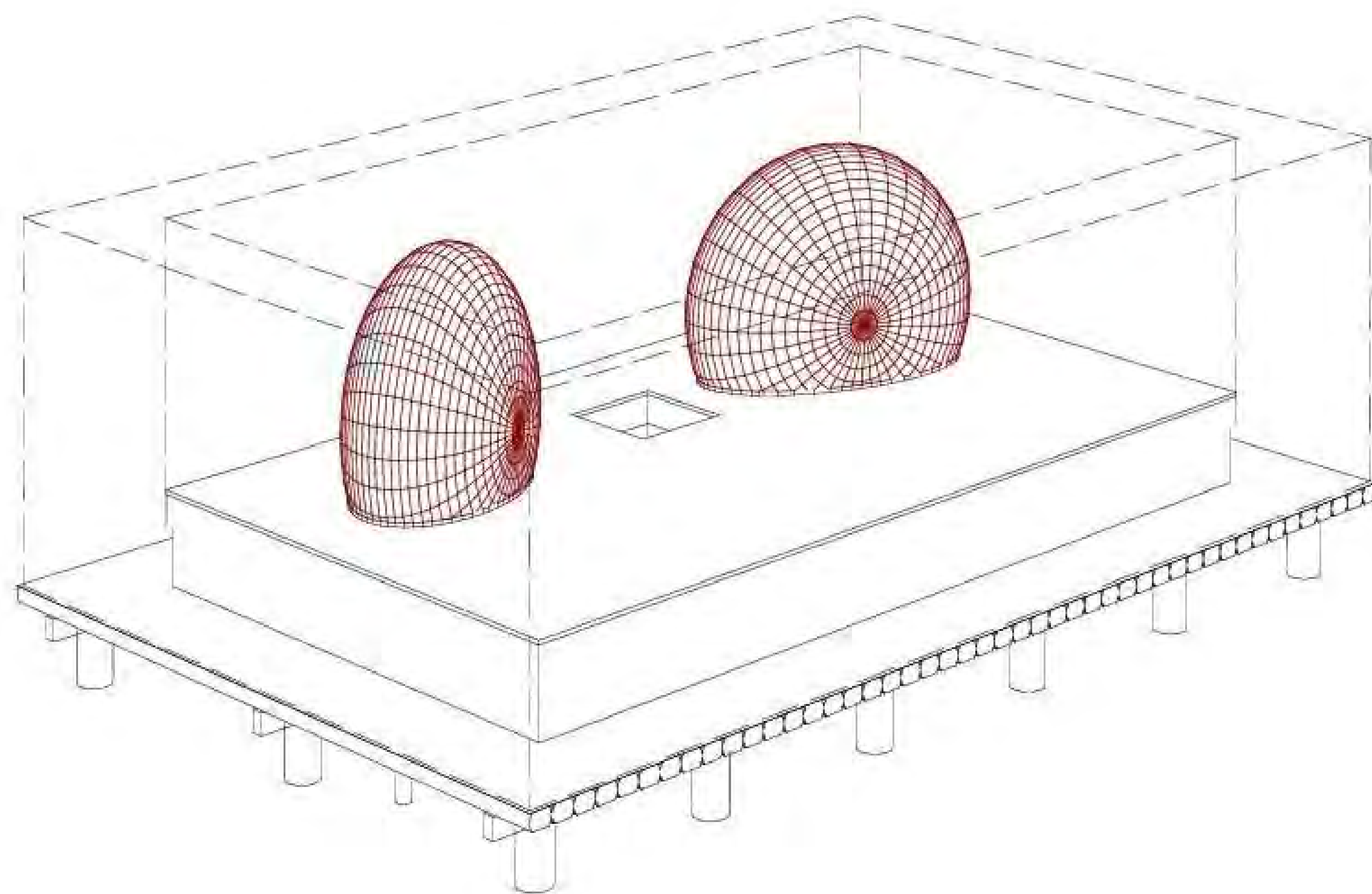


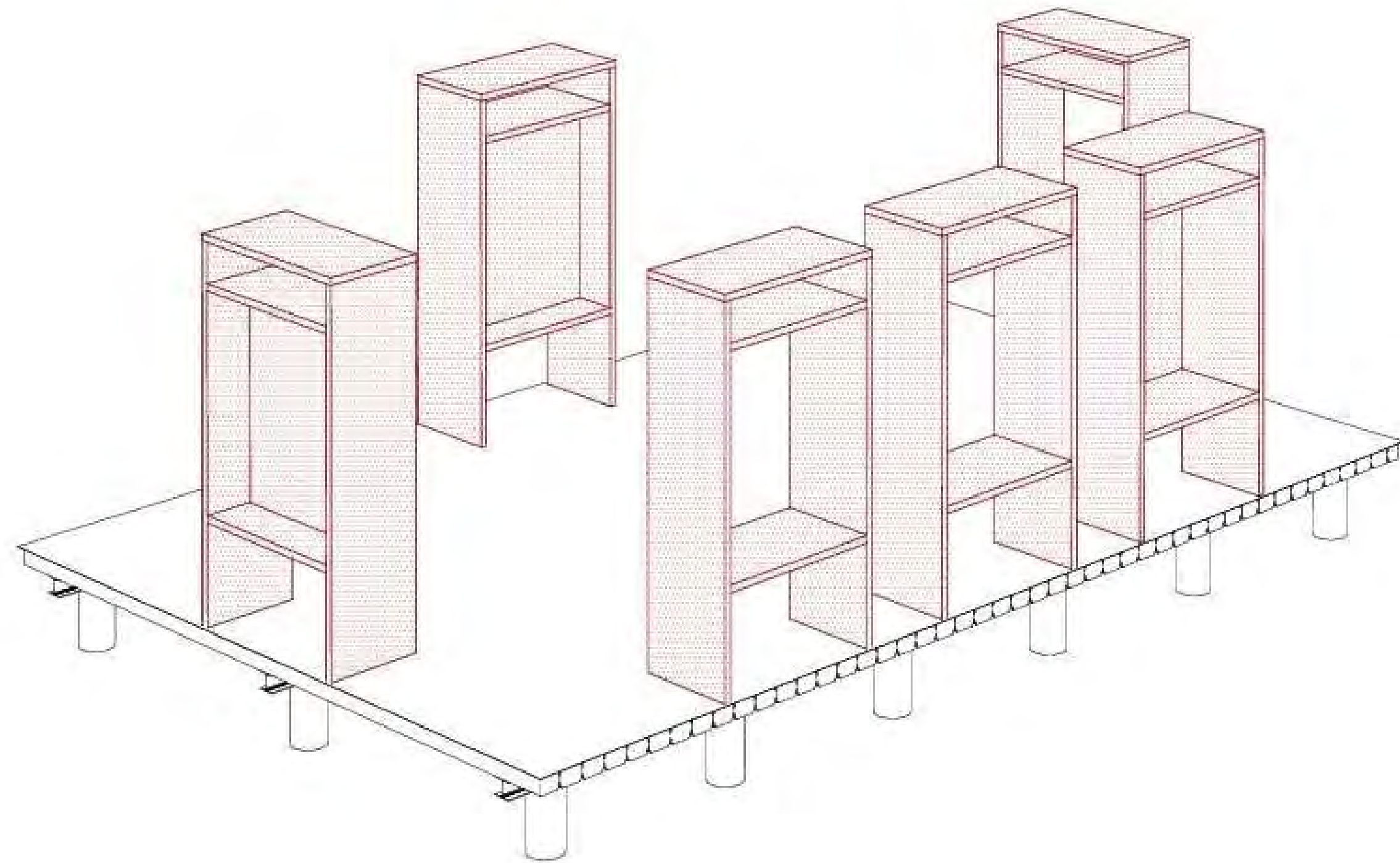


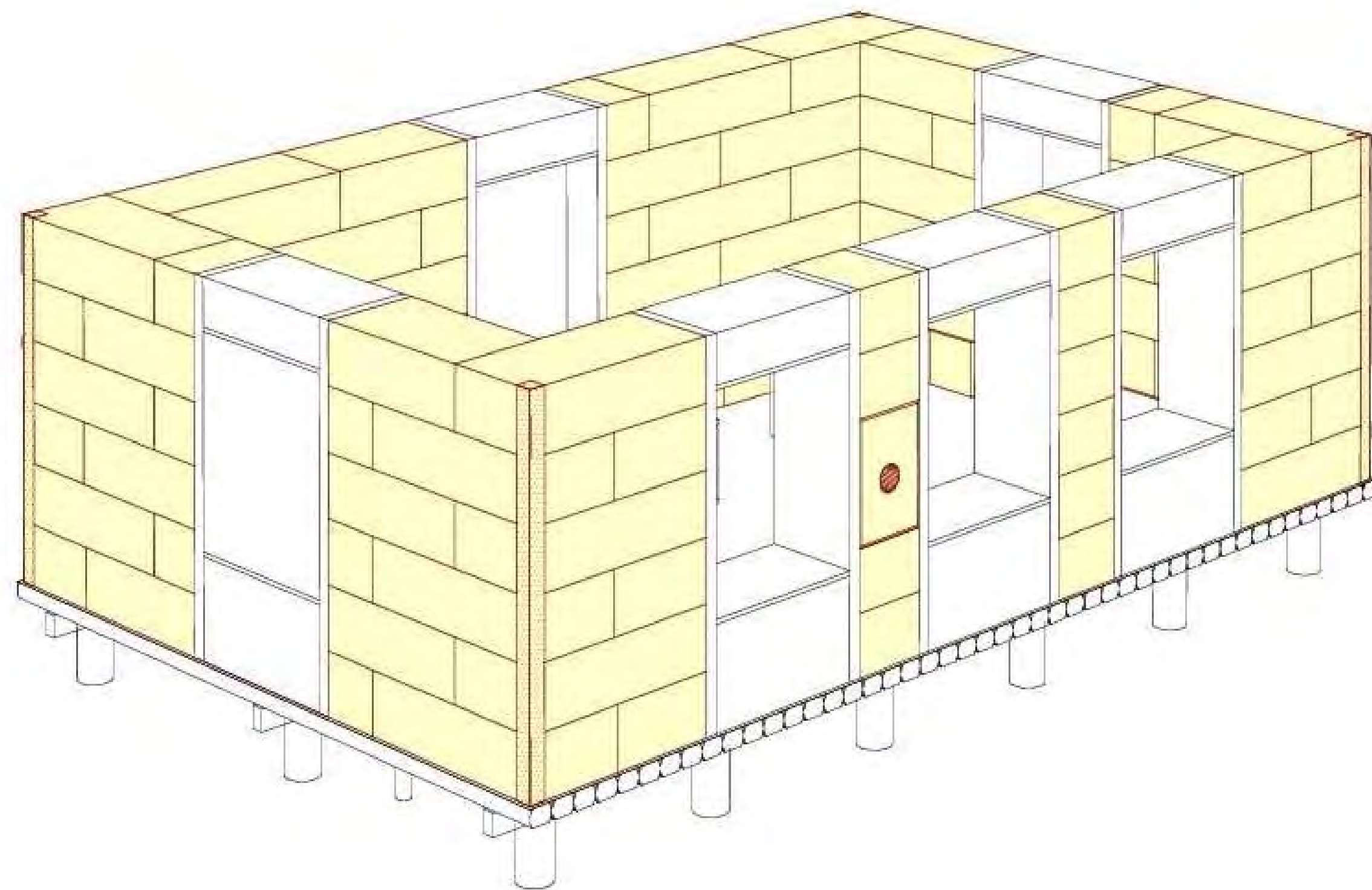


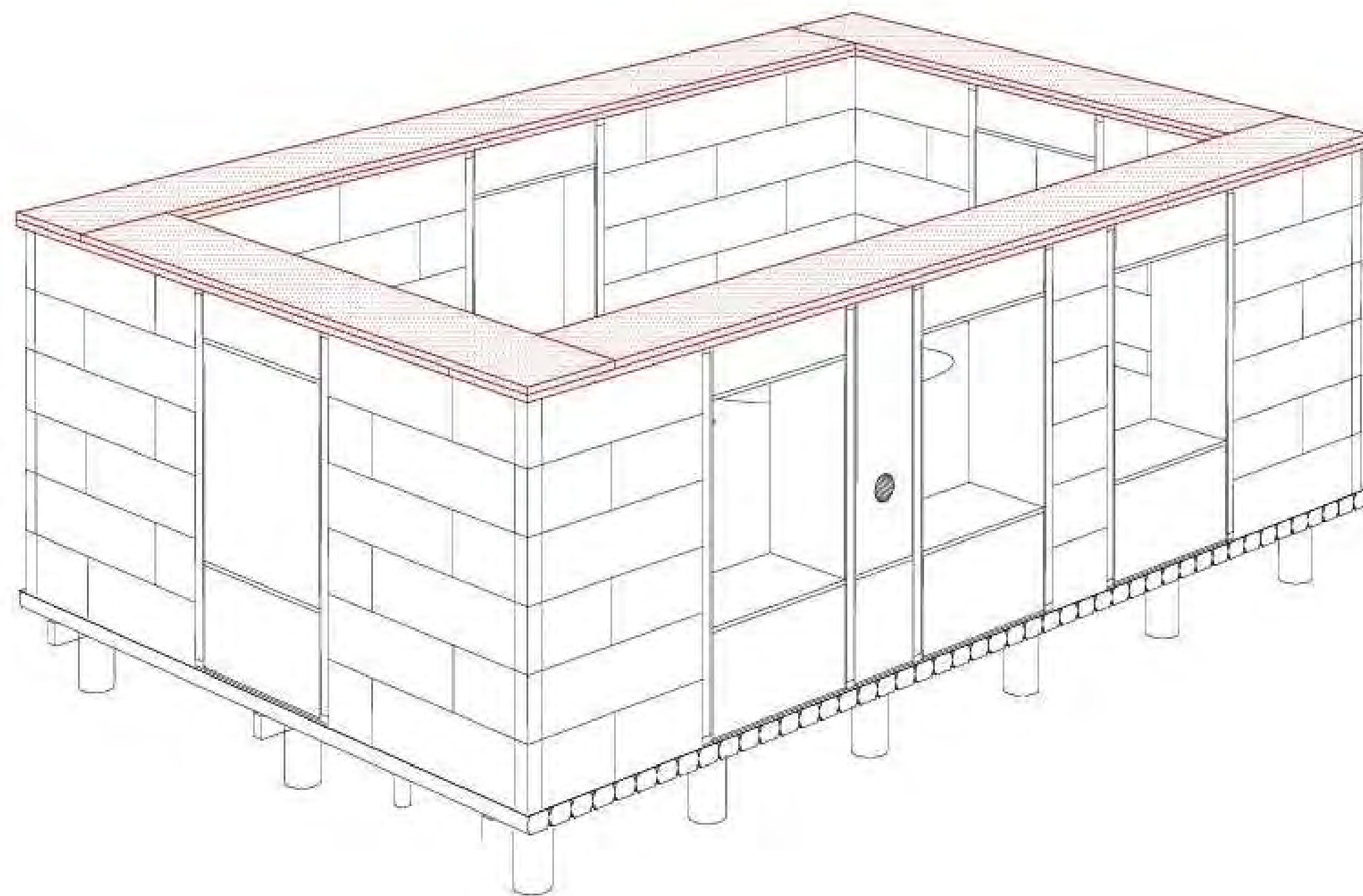




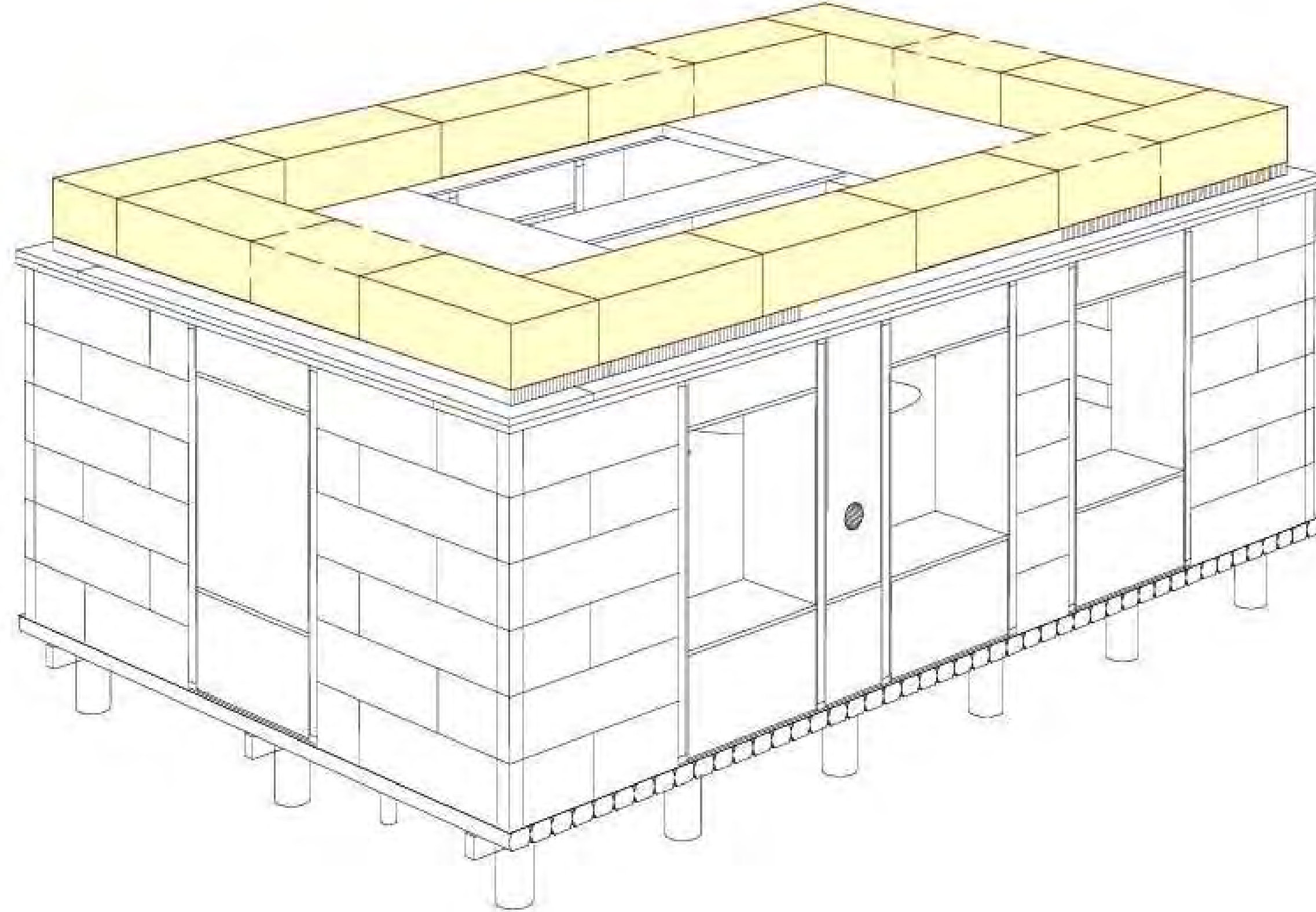


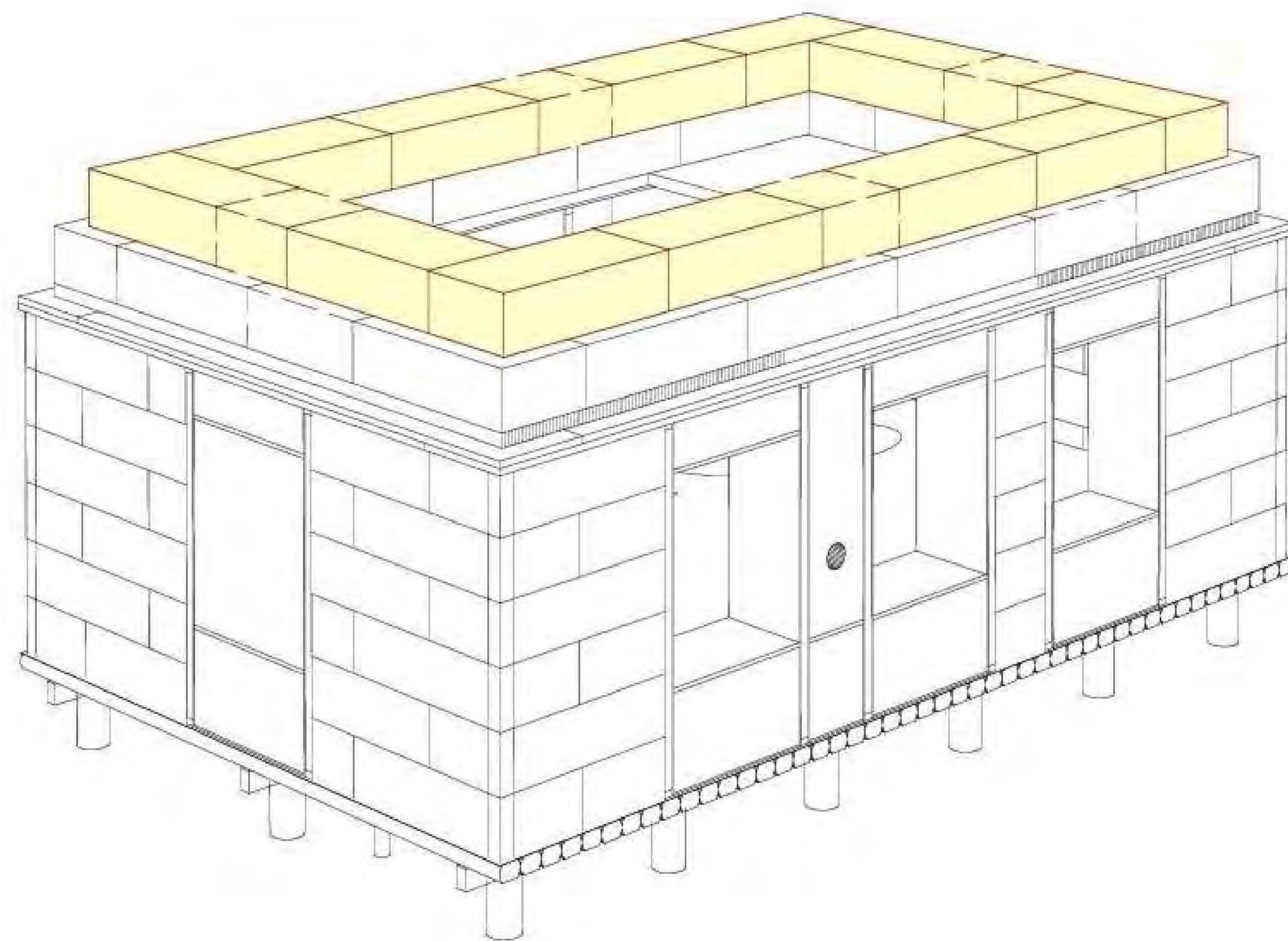


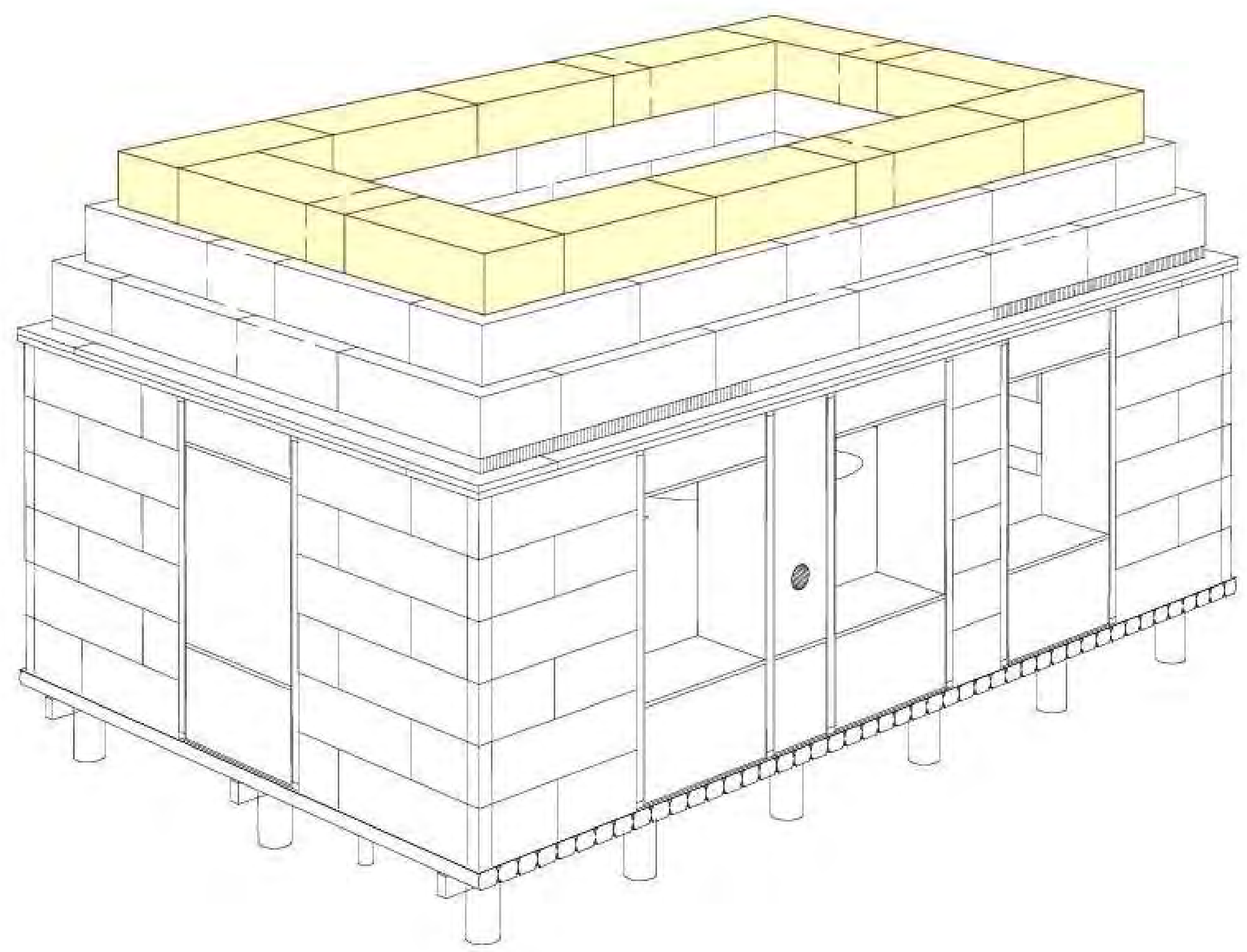


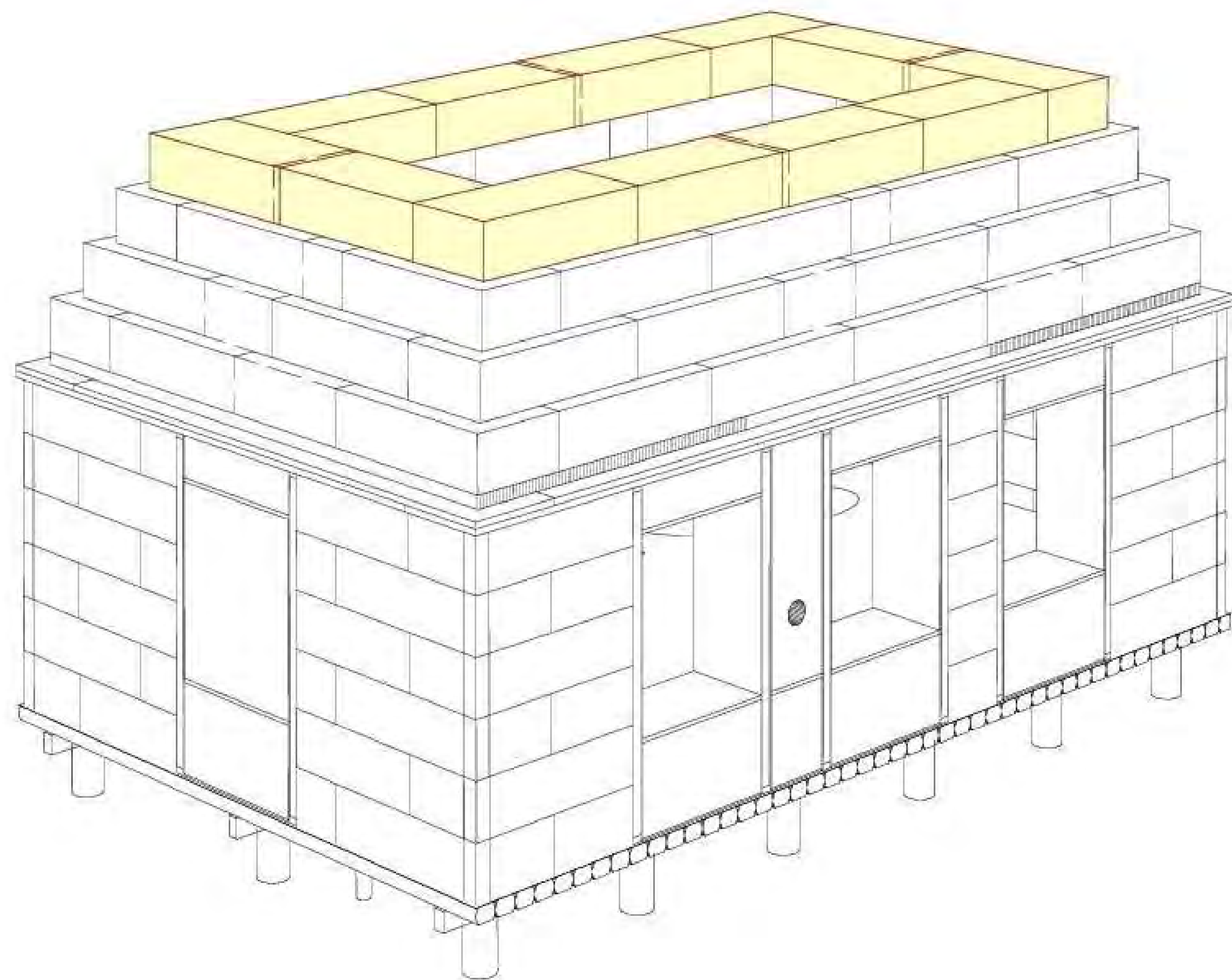


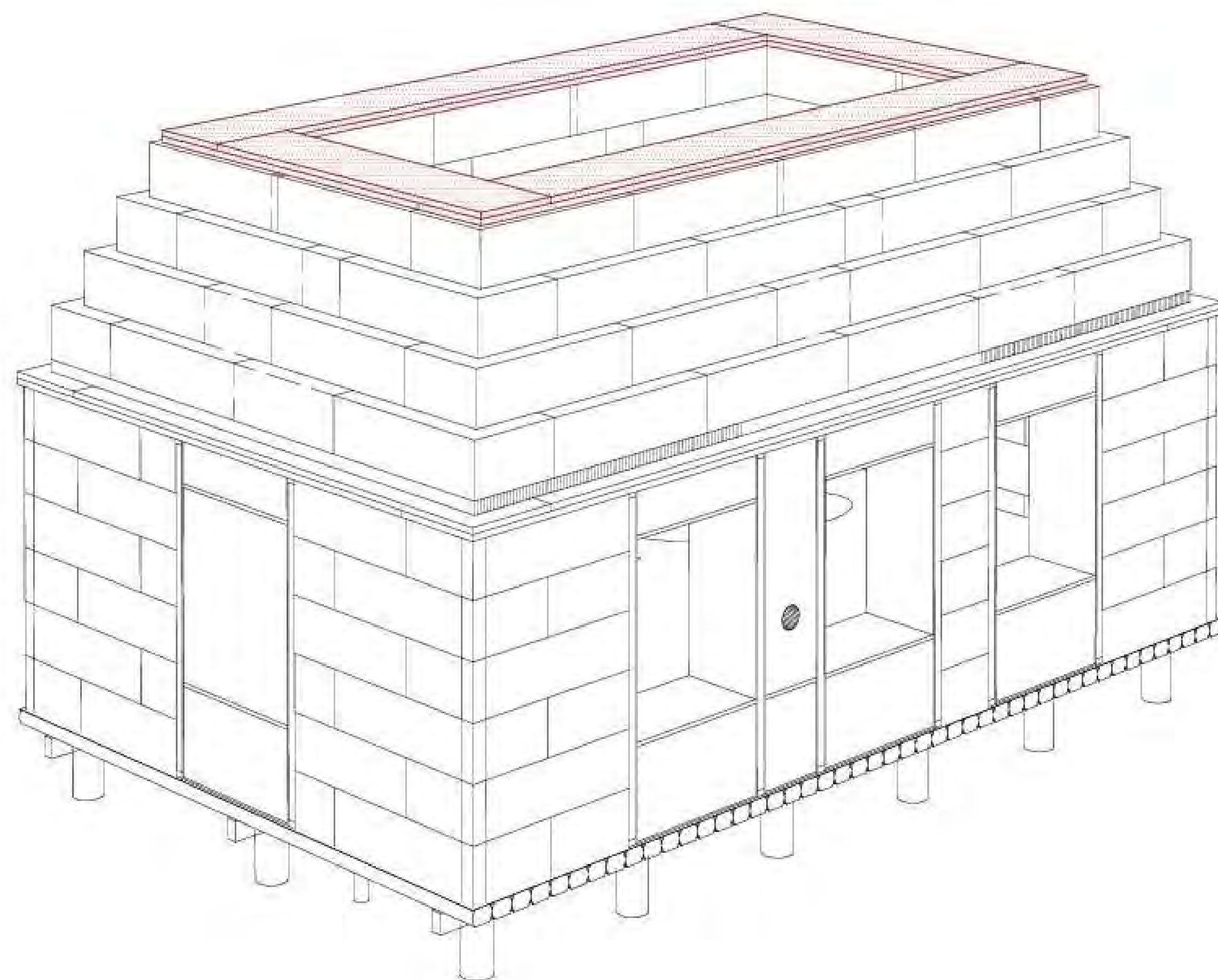


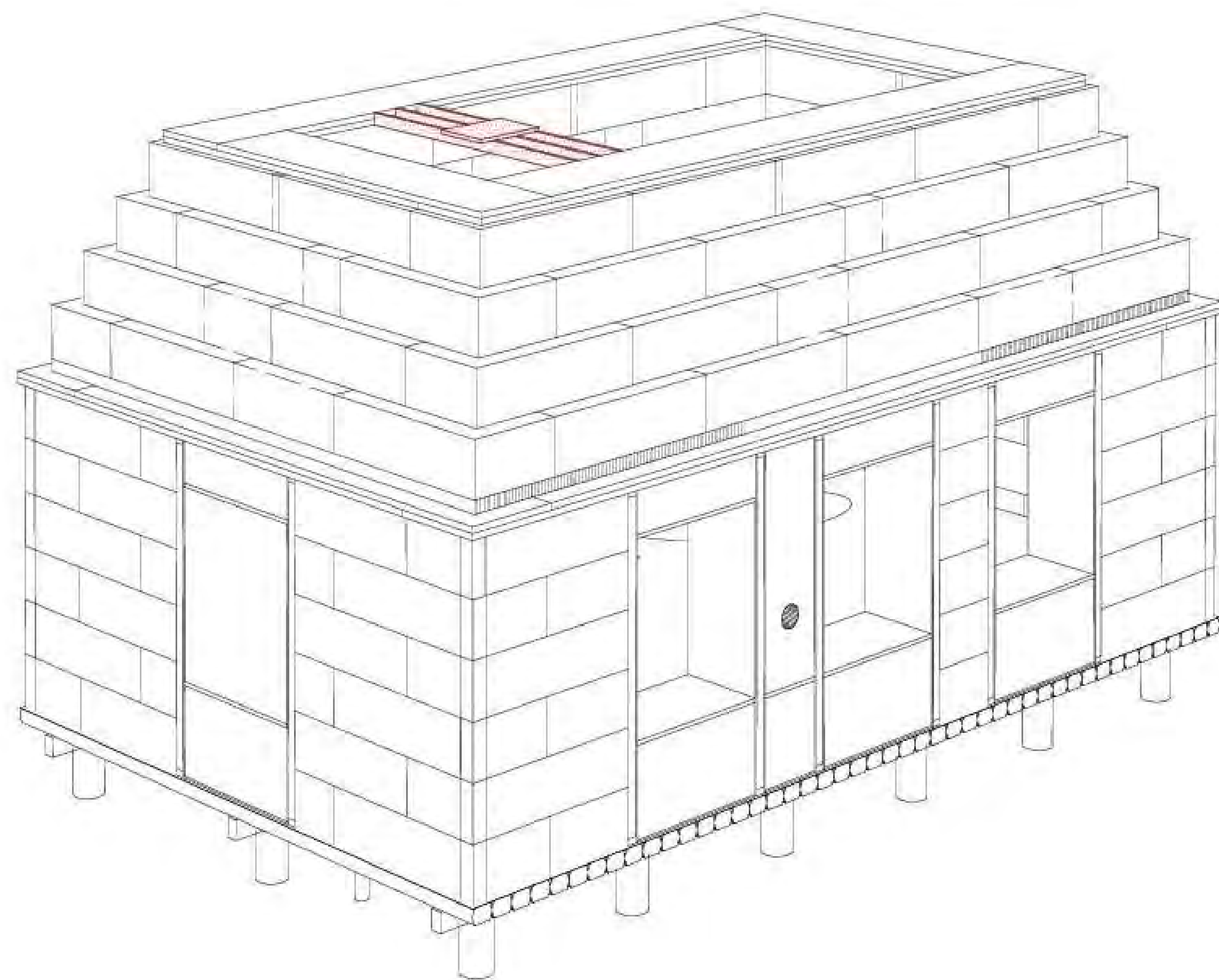


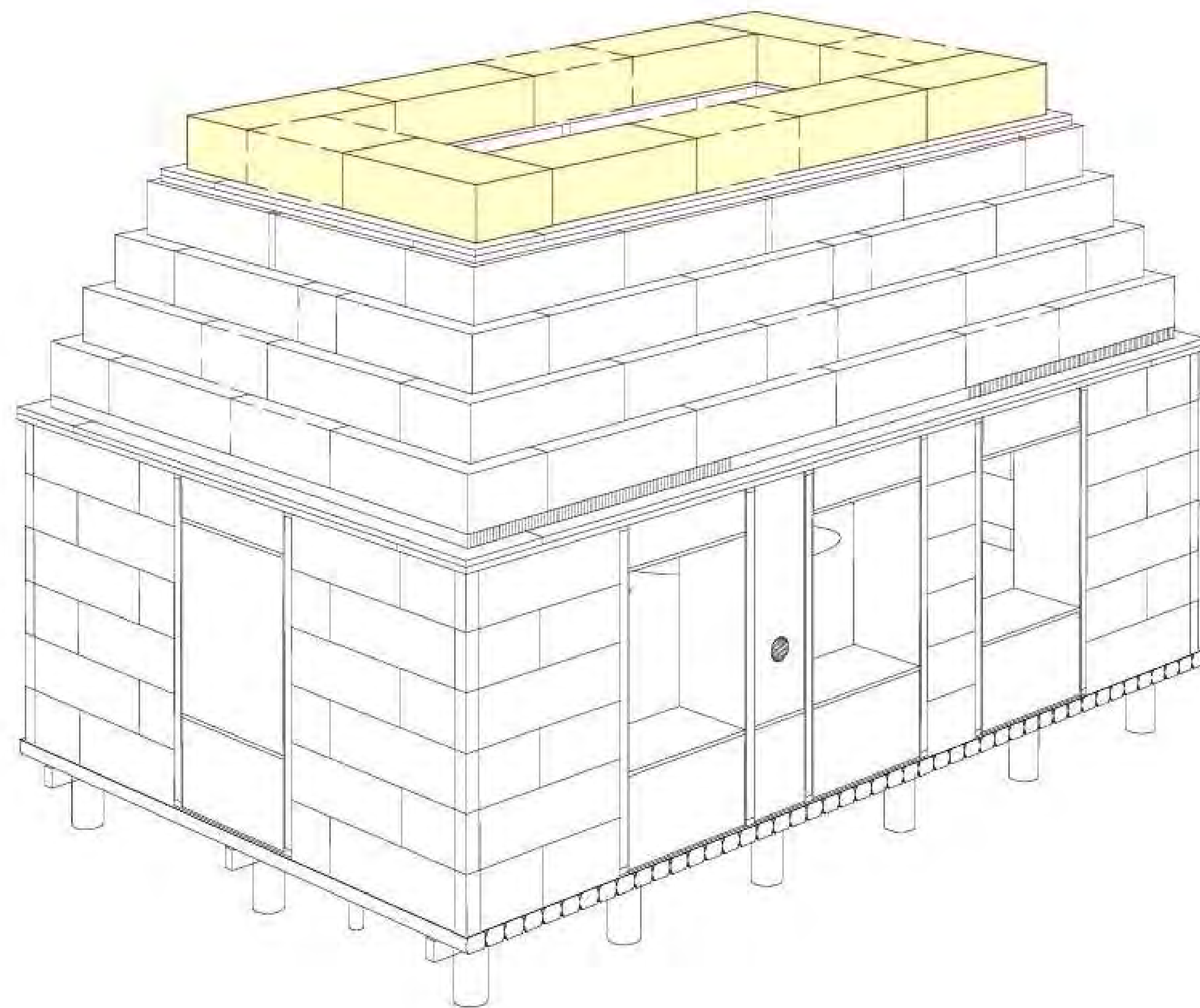


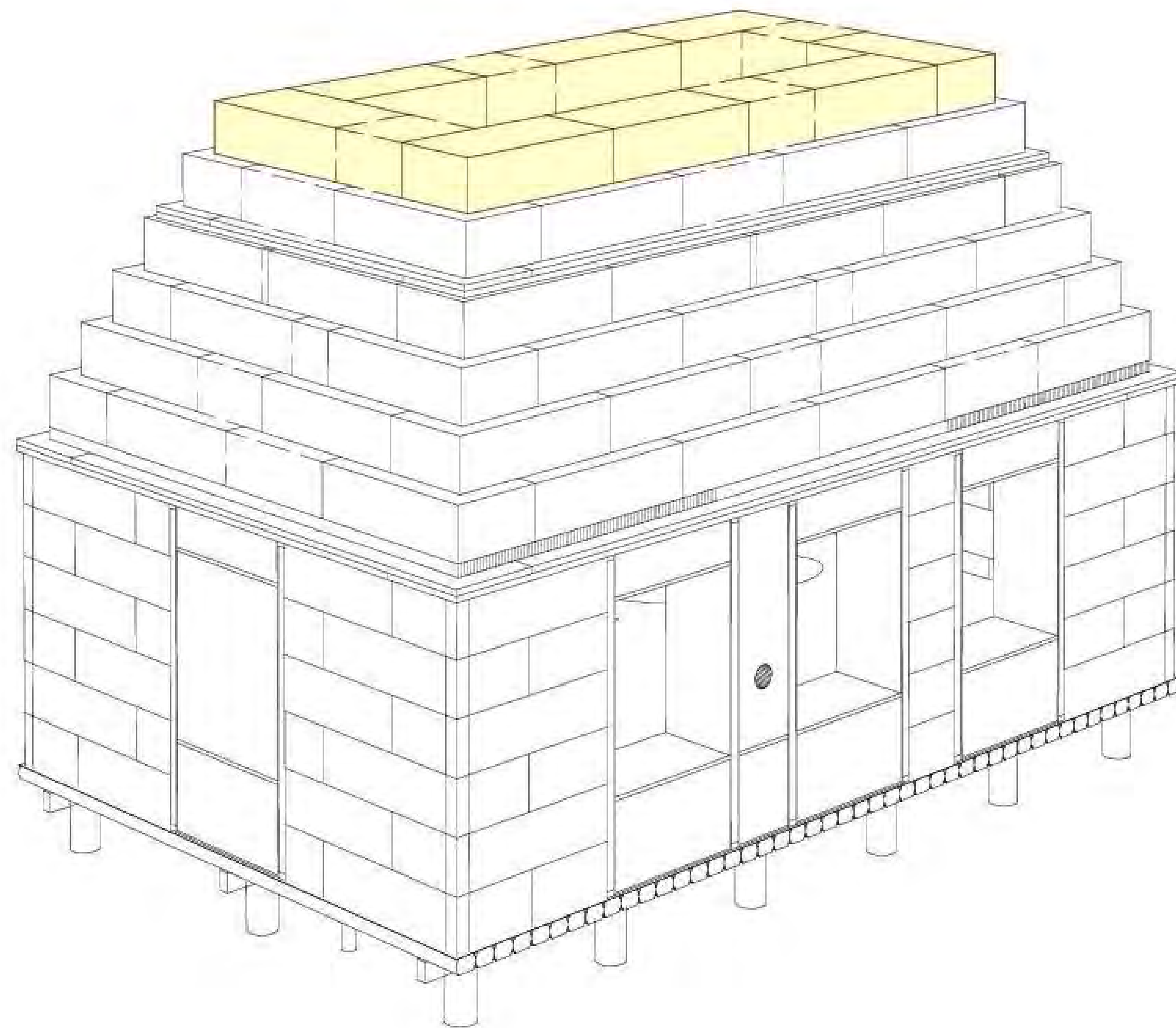


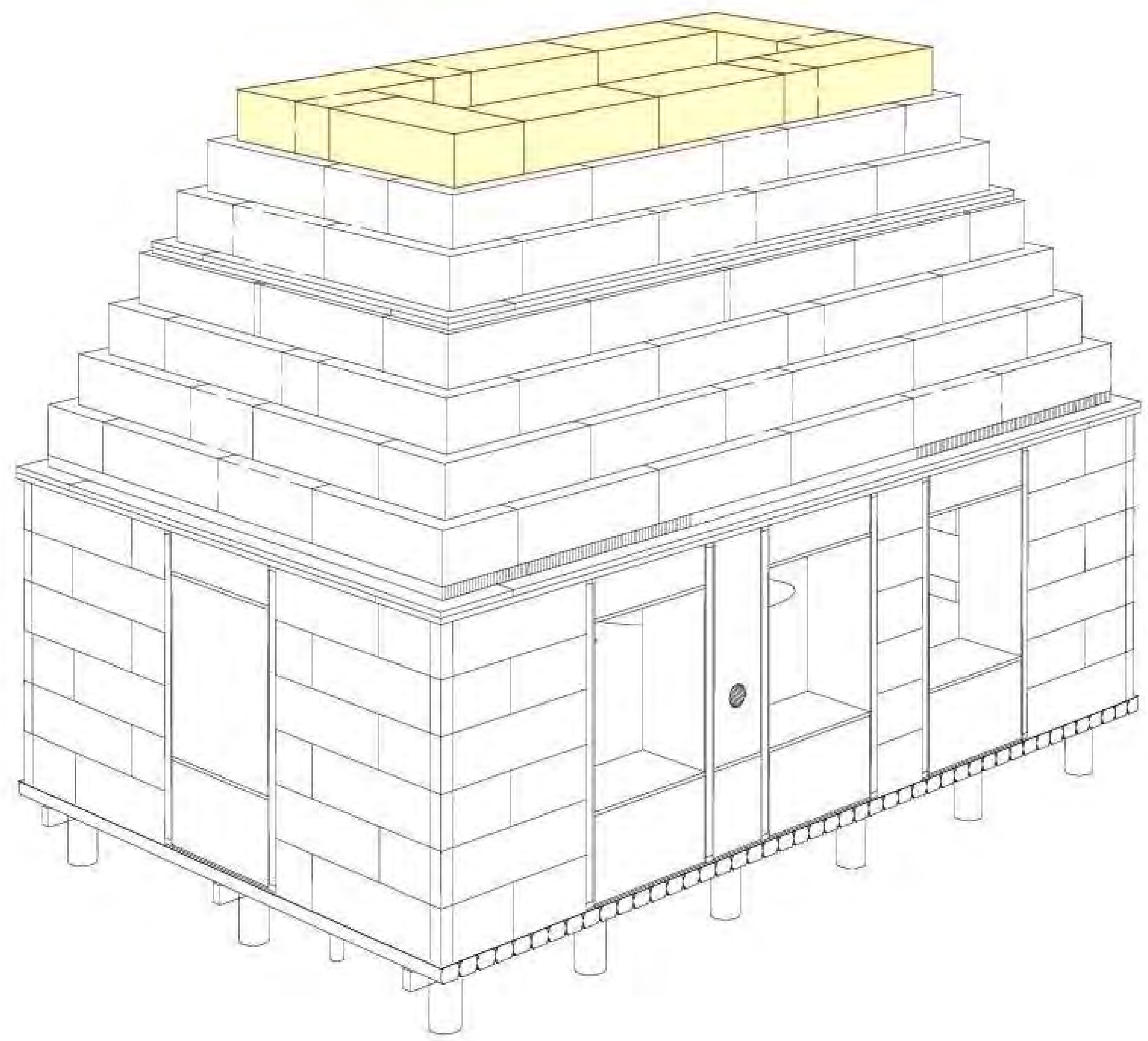


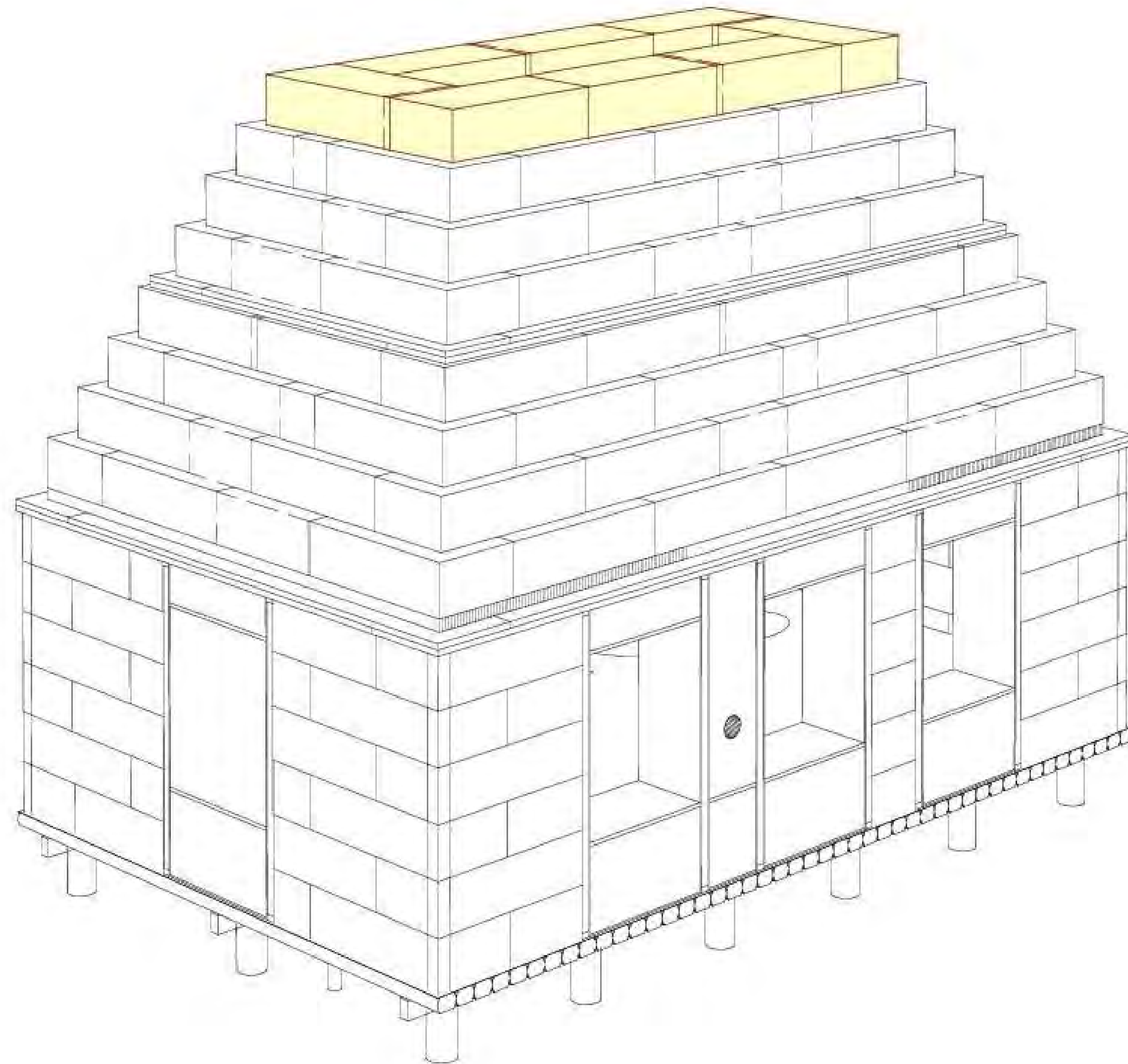


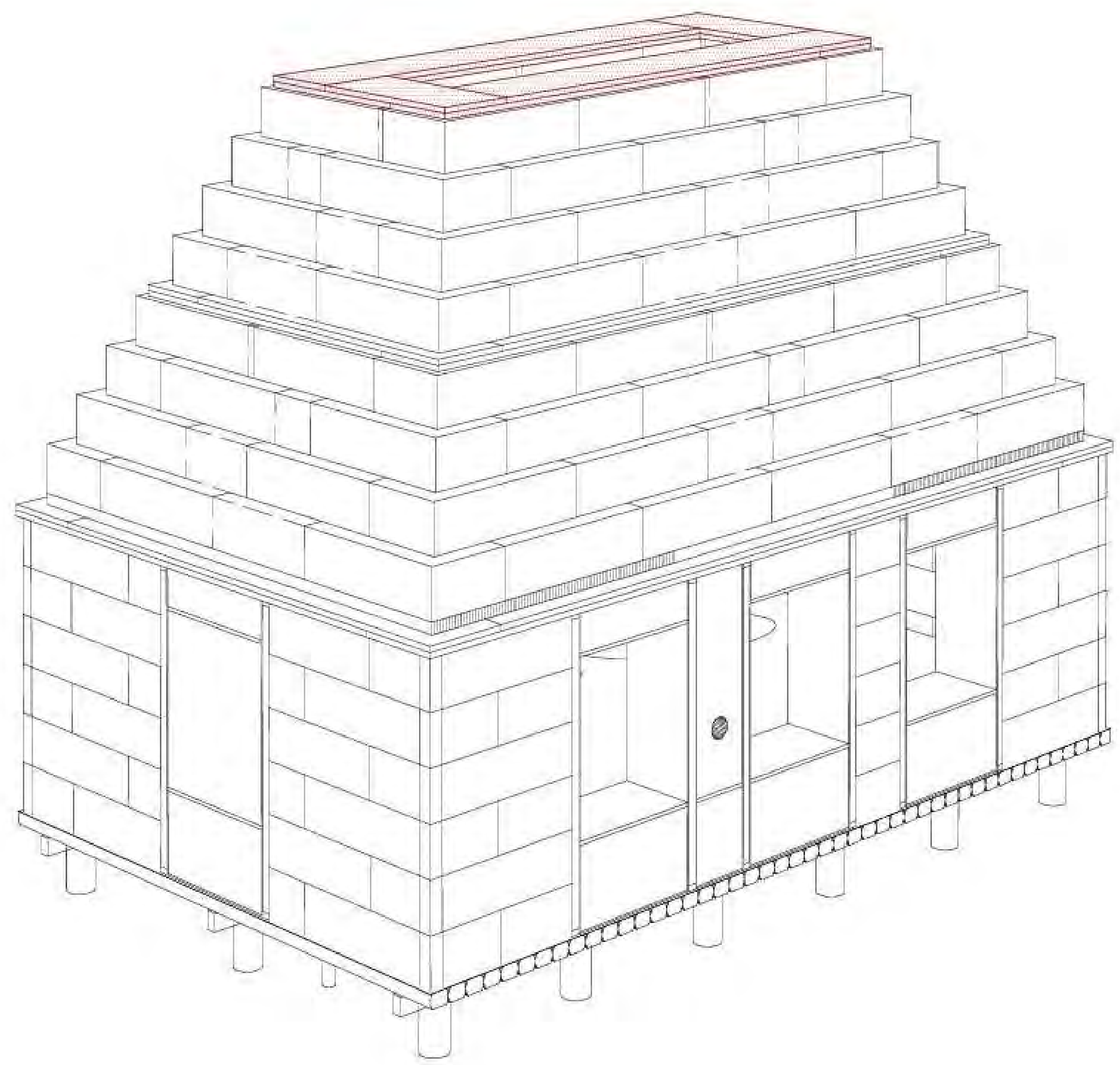


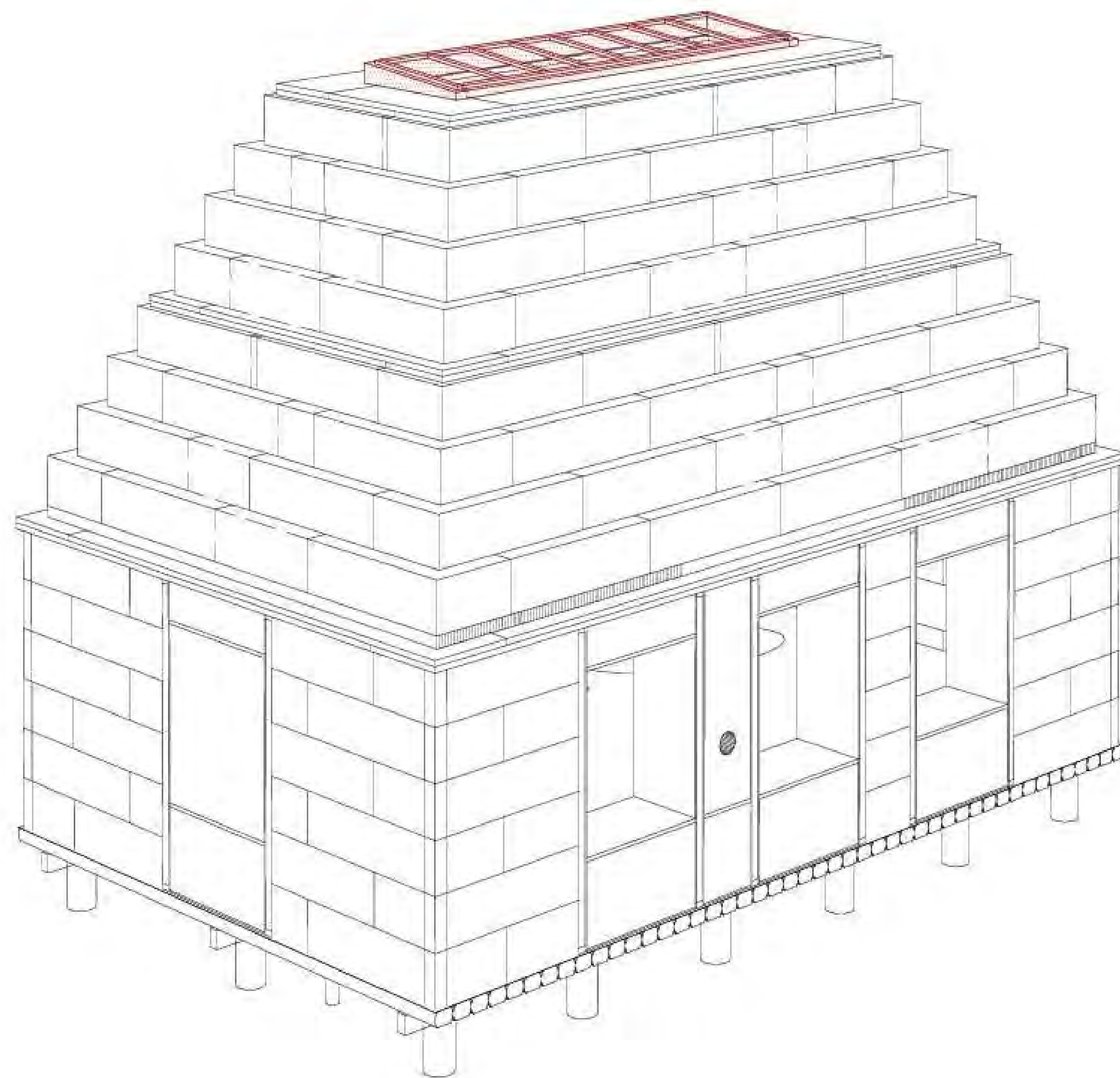


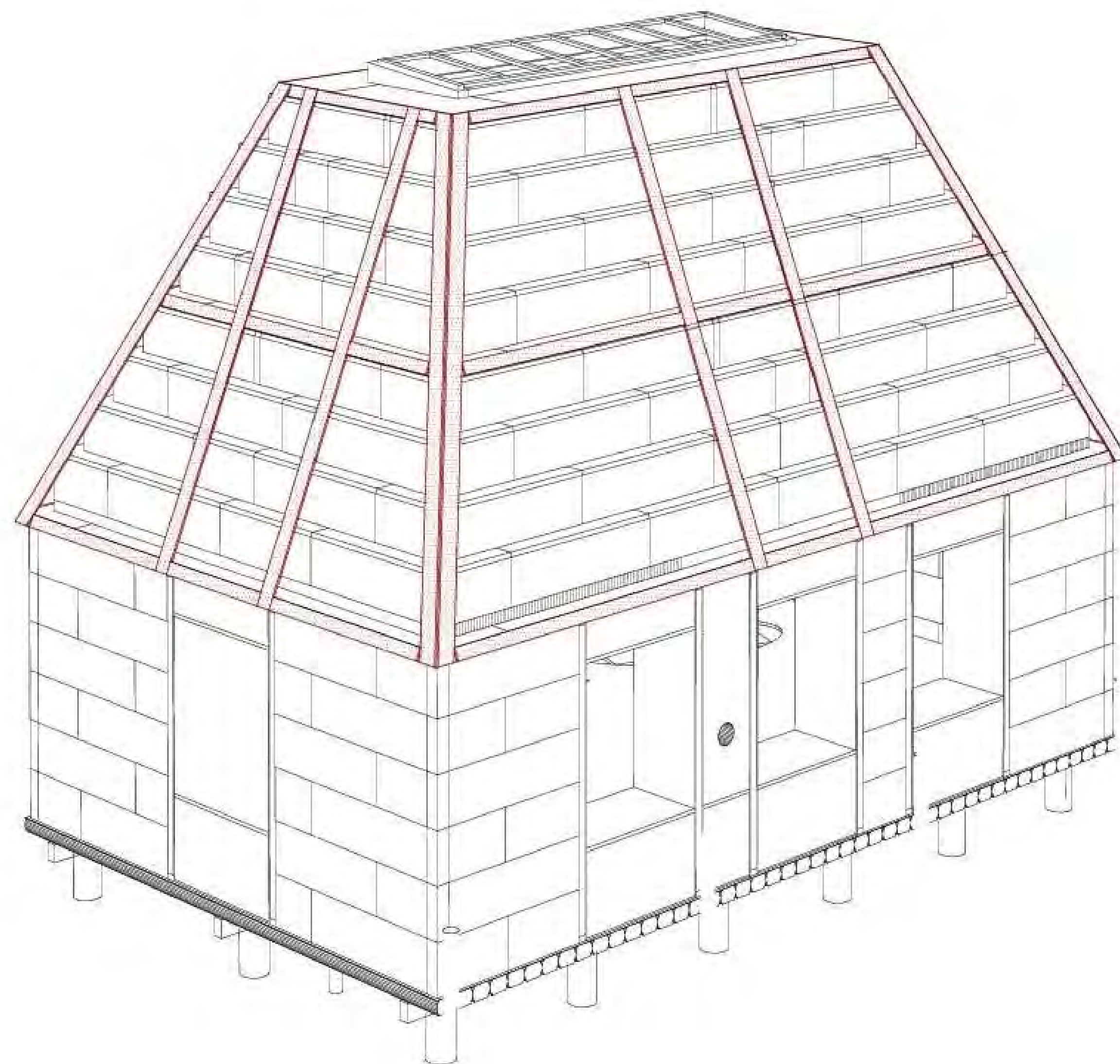


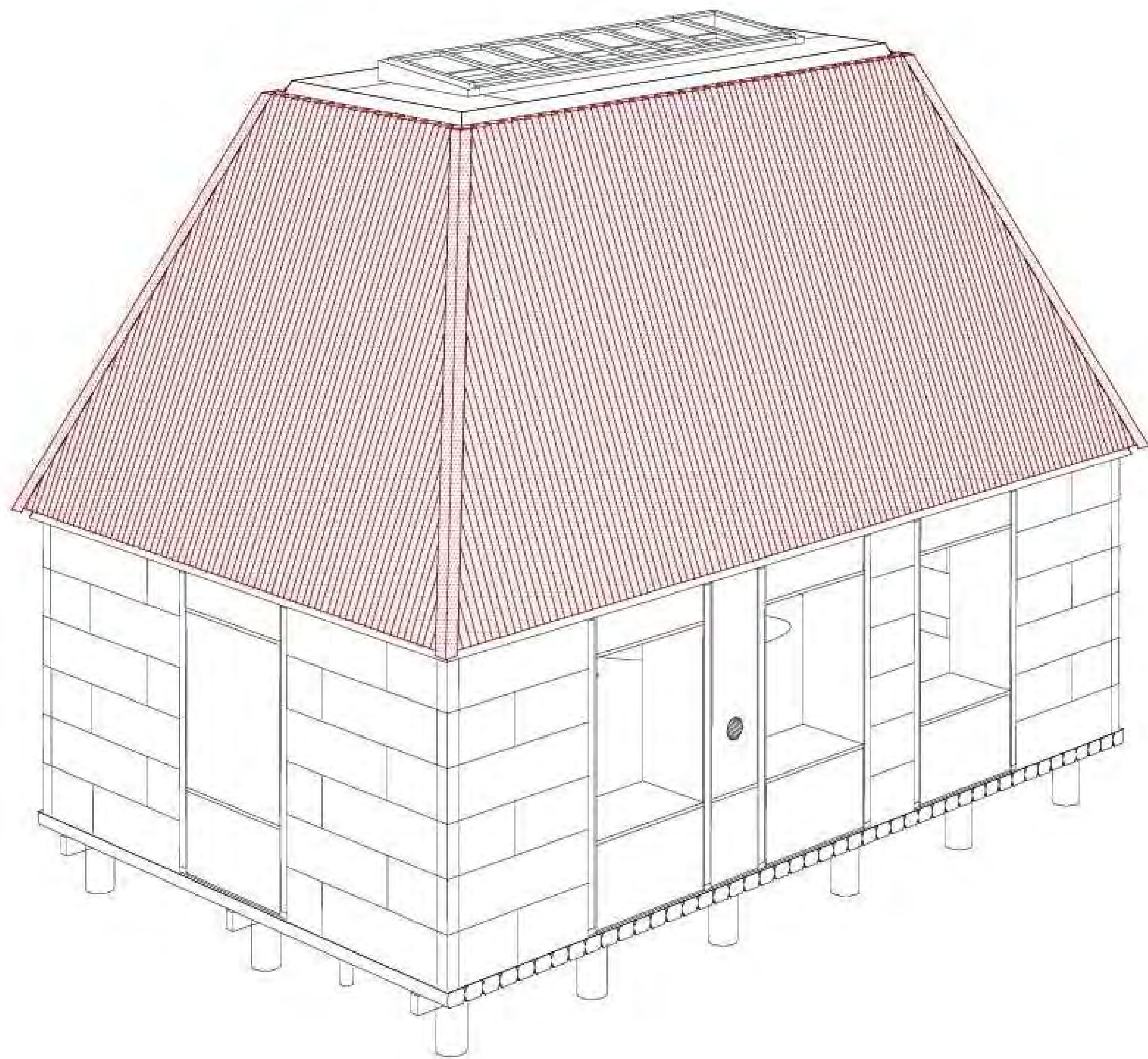


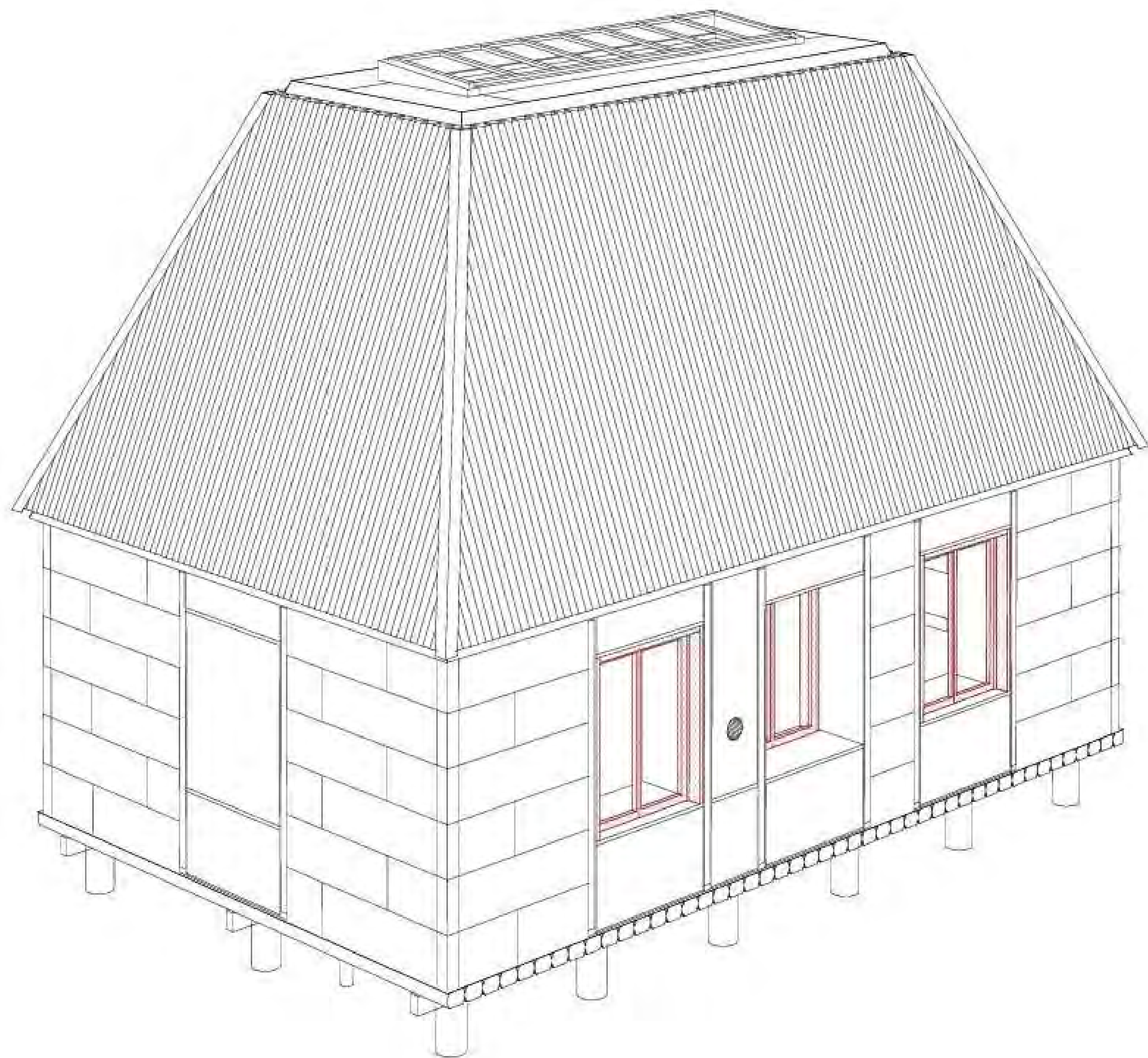


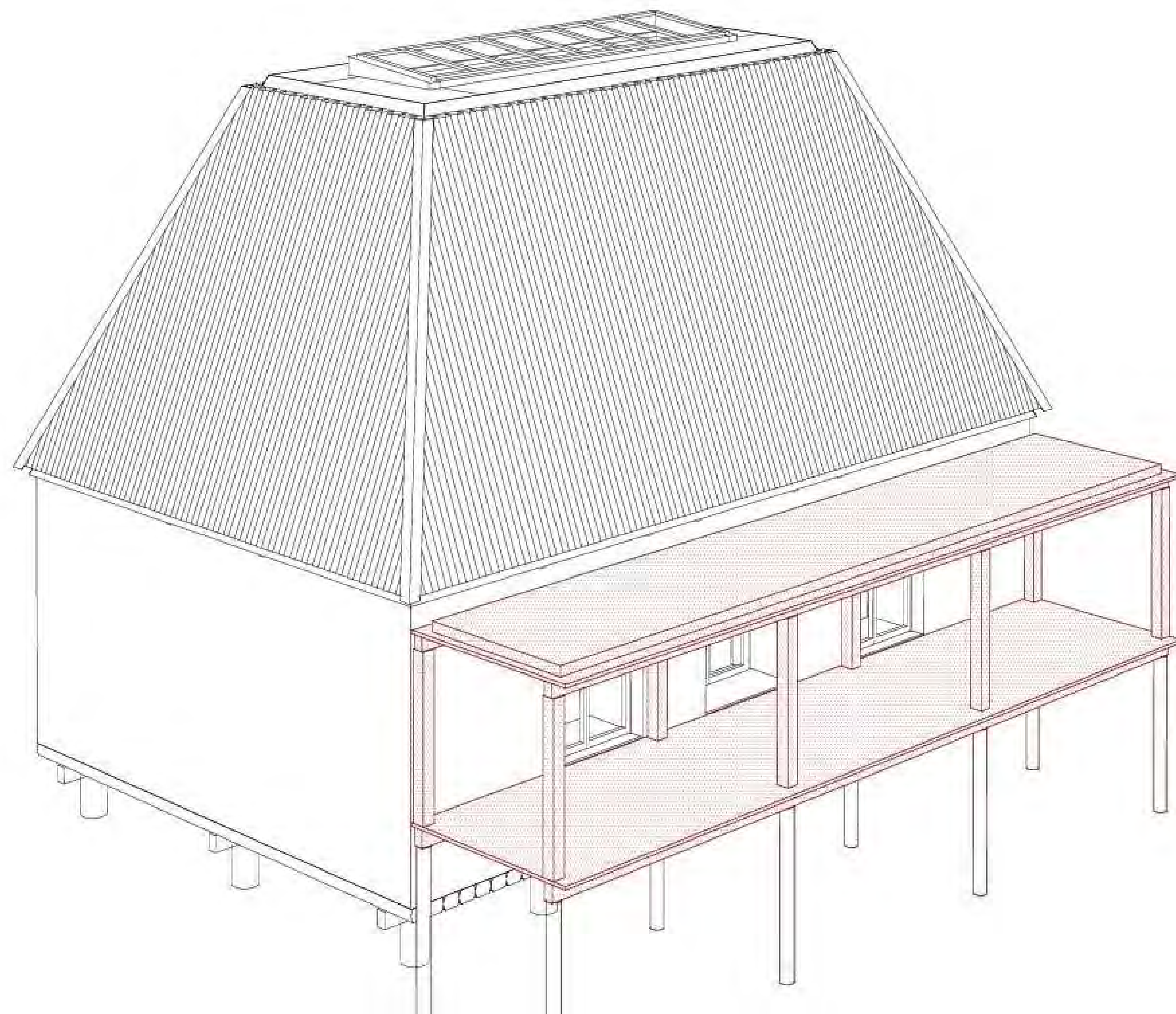


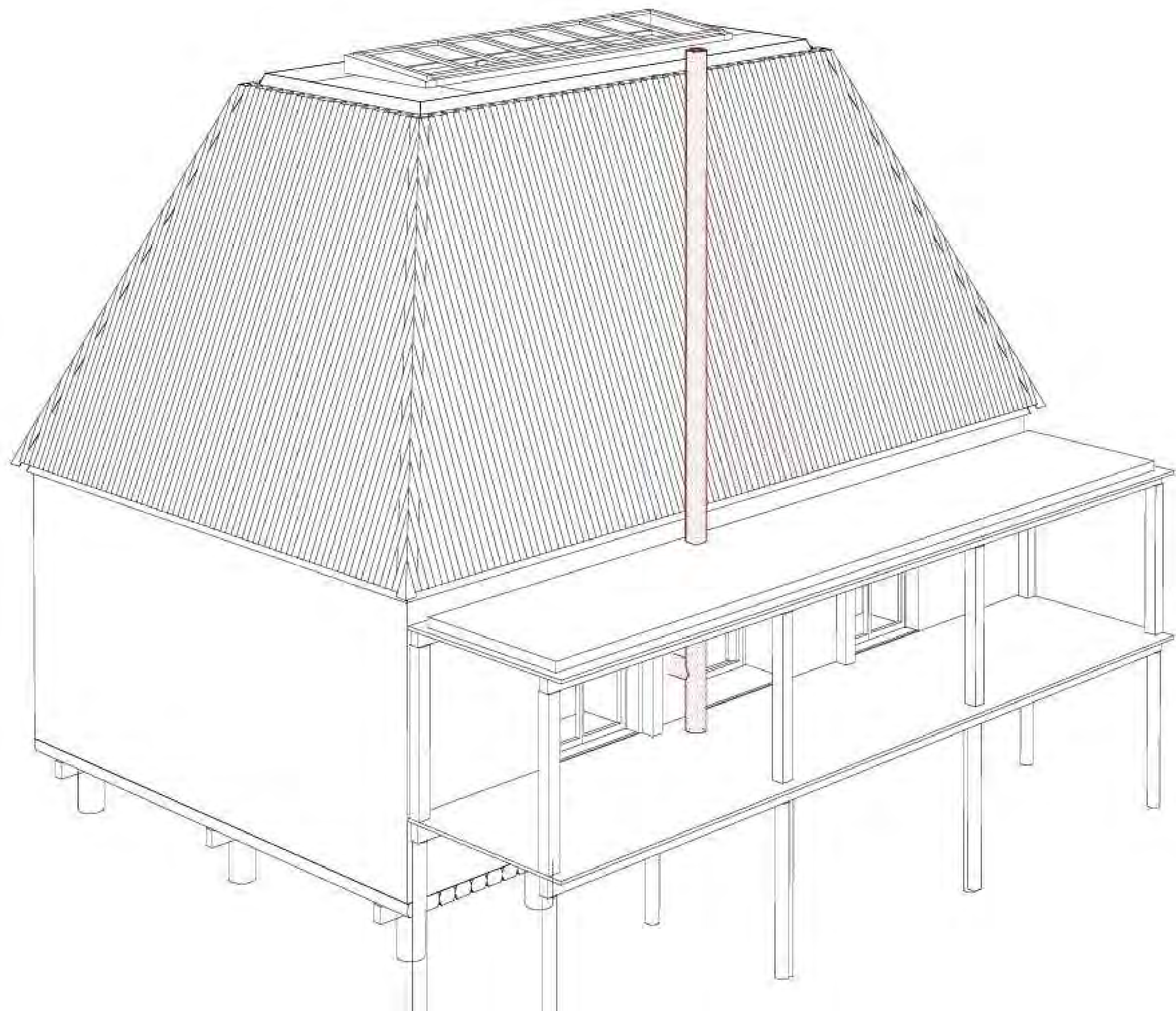
























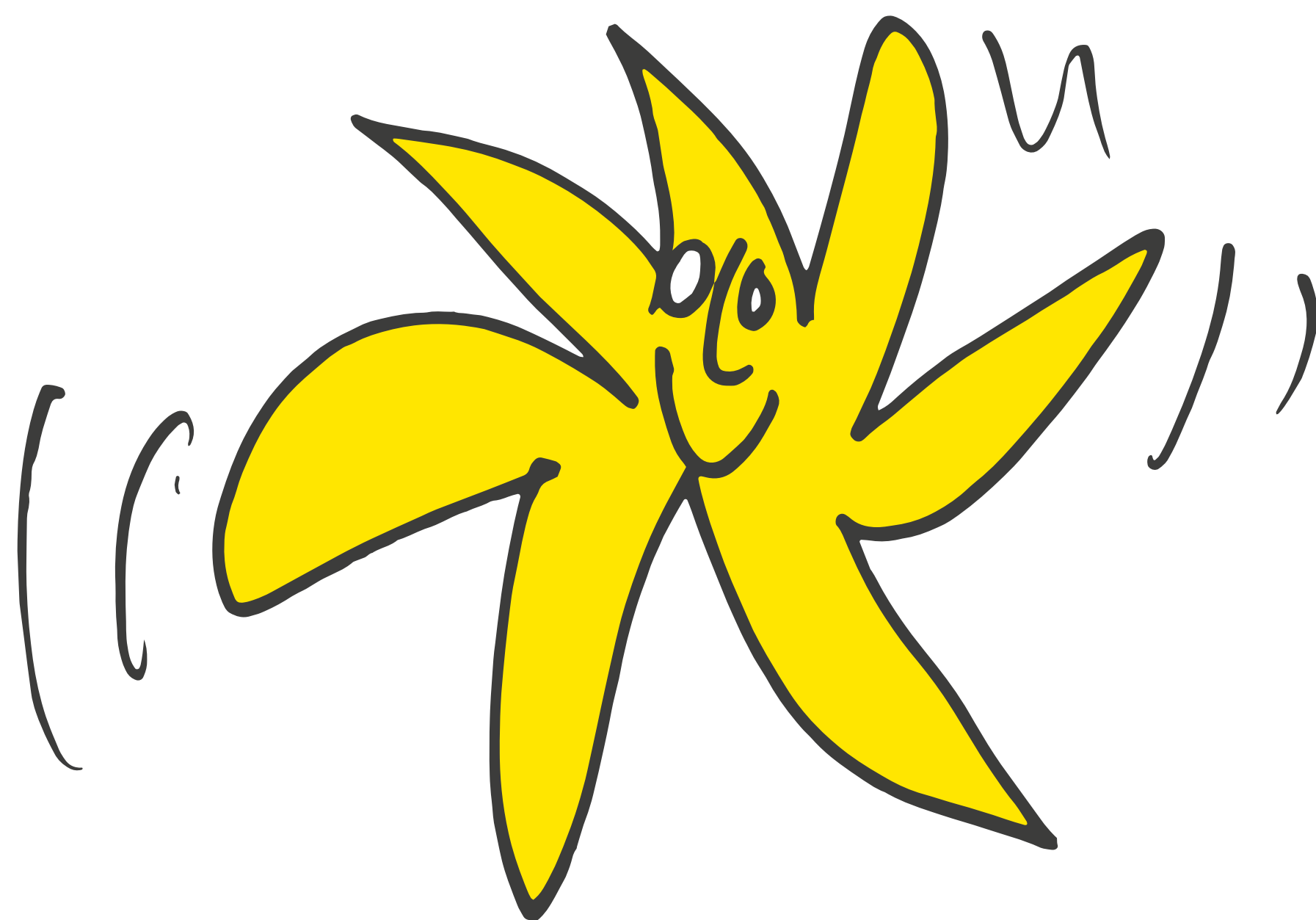












Thank you for your attention!