

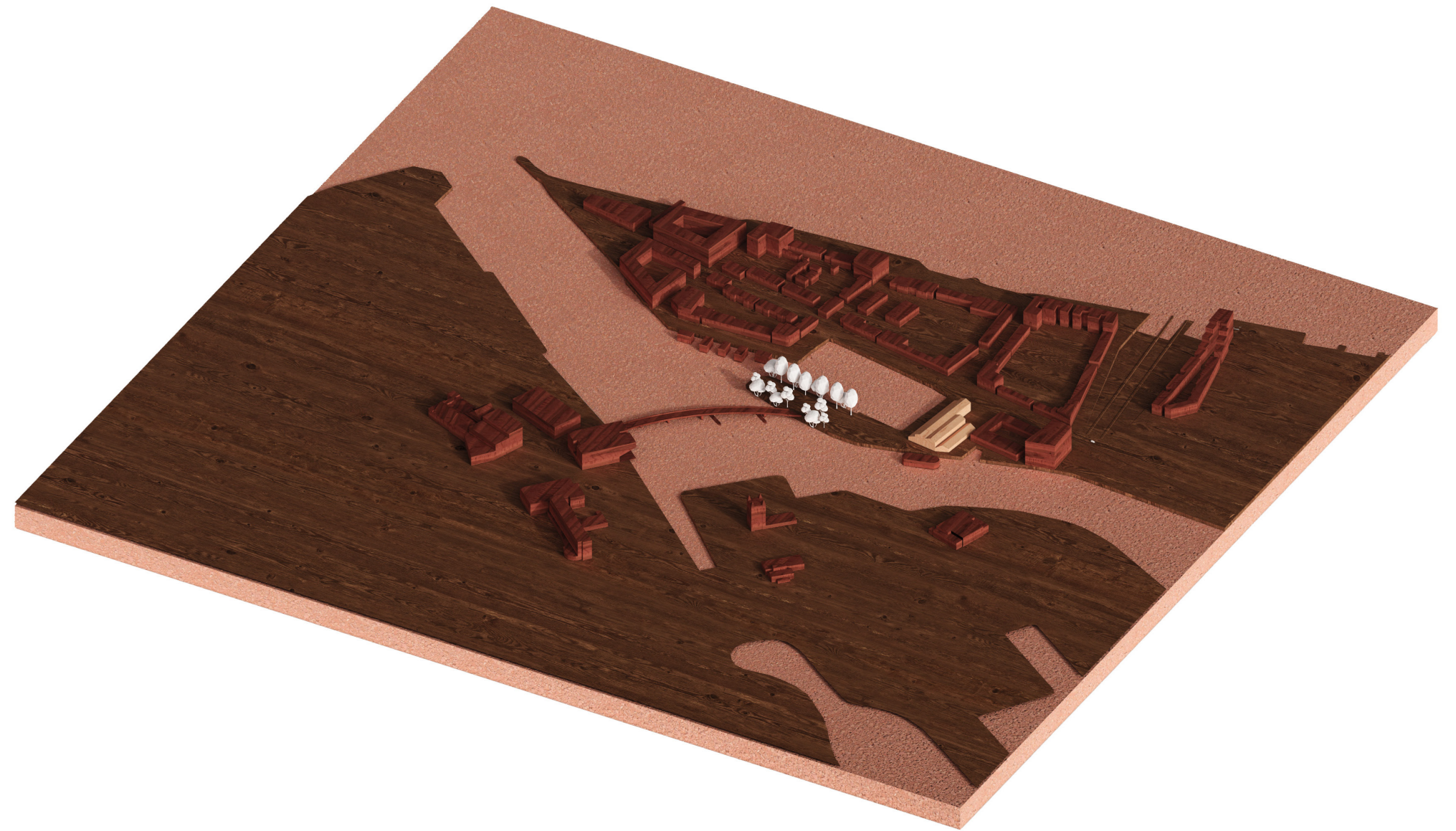


# DISCOVERING THE GENIUS LOCI OF DE BIESBOSCHHAL

Preserving a building its identity with a Genius Loci  
based adaptive reuse approach

|                      |                                |
|----------------------|--------------------------------|
| <b>AR3AH115</b>      | Revitalising Maritime Heritage |
| <b>Nino van Dijk</b> | 5861667                        |
| <b>Academic year</b> | 2024-2025 Q4                   |





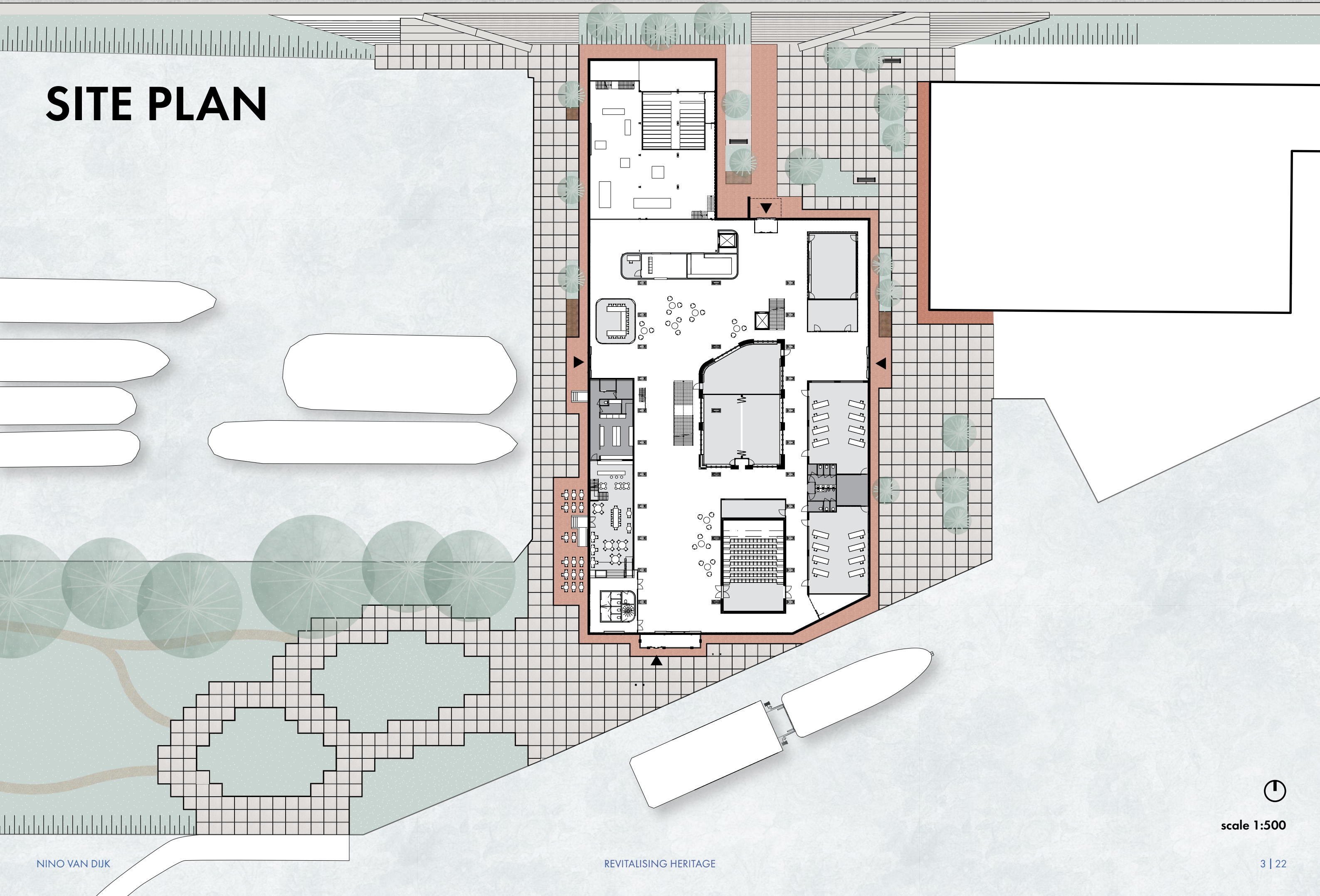
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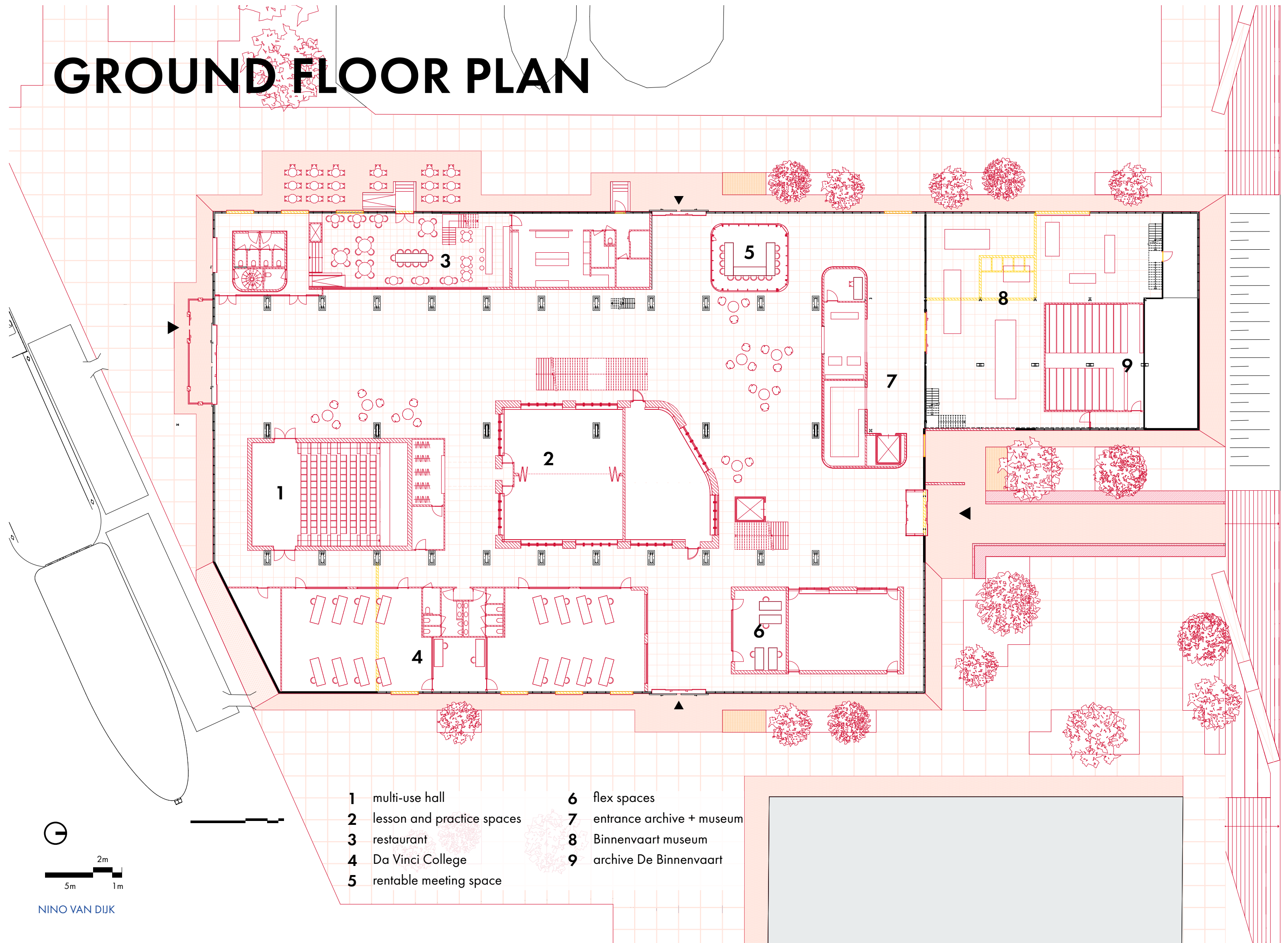


# SITE PLAN





# GROUND FLOOR PLAN



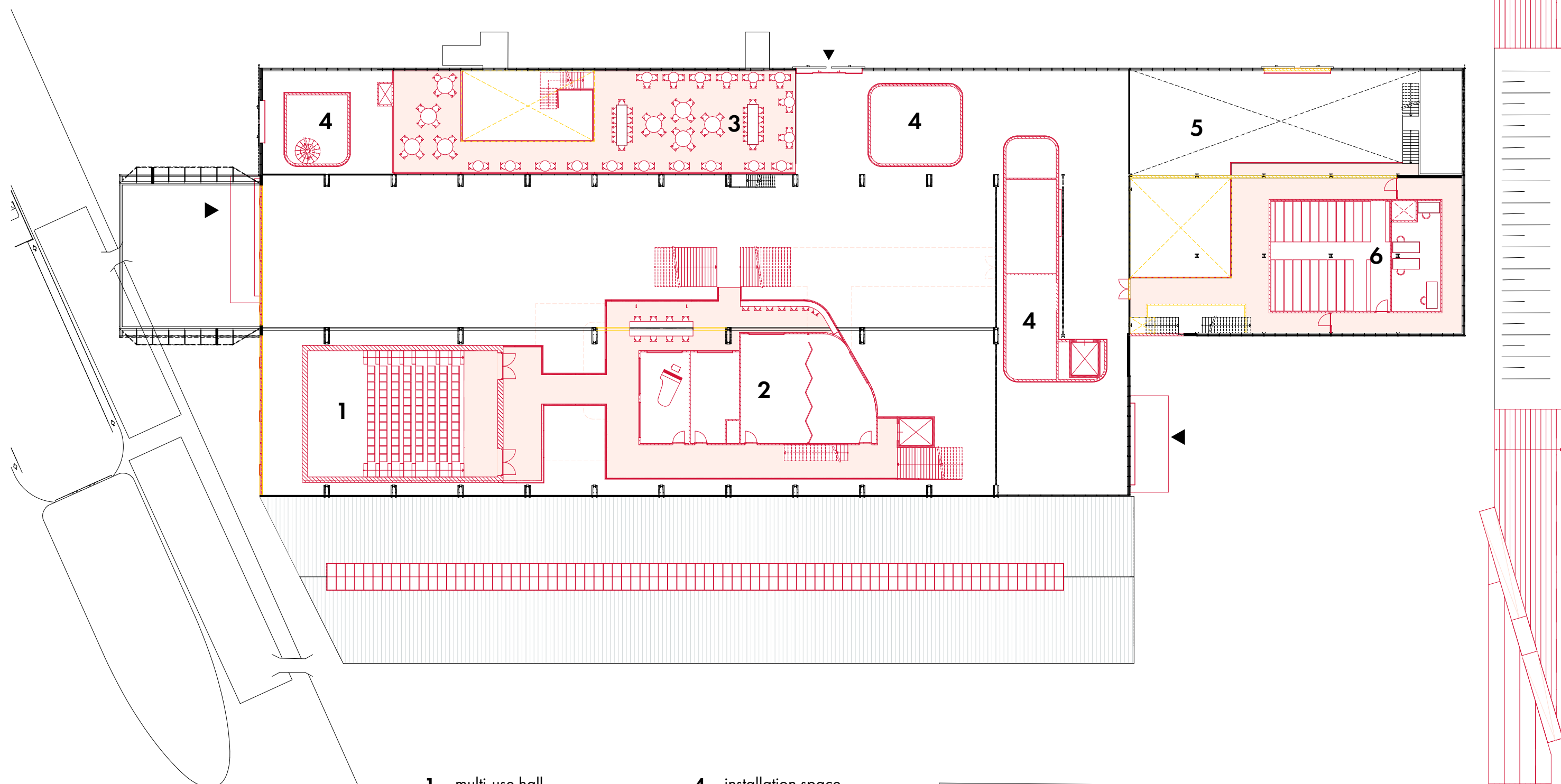
- 1** multi-use hall
- 2** lesson and practice spaces
- 3** restaurant
- 4** Da Vinci College
- 5** rentable meeting space
- 6** flex spaces
- 7** entrance archive + museum
- 8** Binnenvaart museum
- 9** archive De Binnenvaart



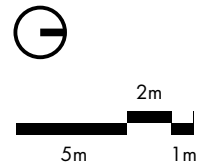
5m 2m 1m



# FIRST FLOOR PLAN

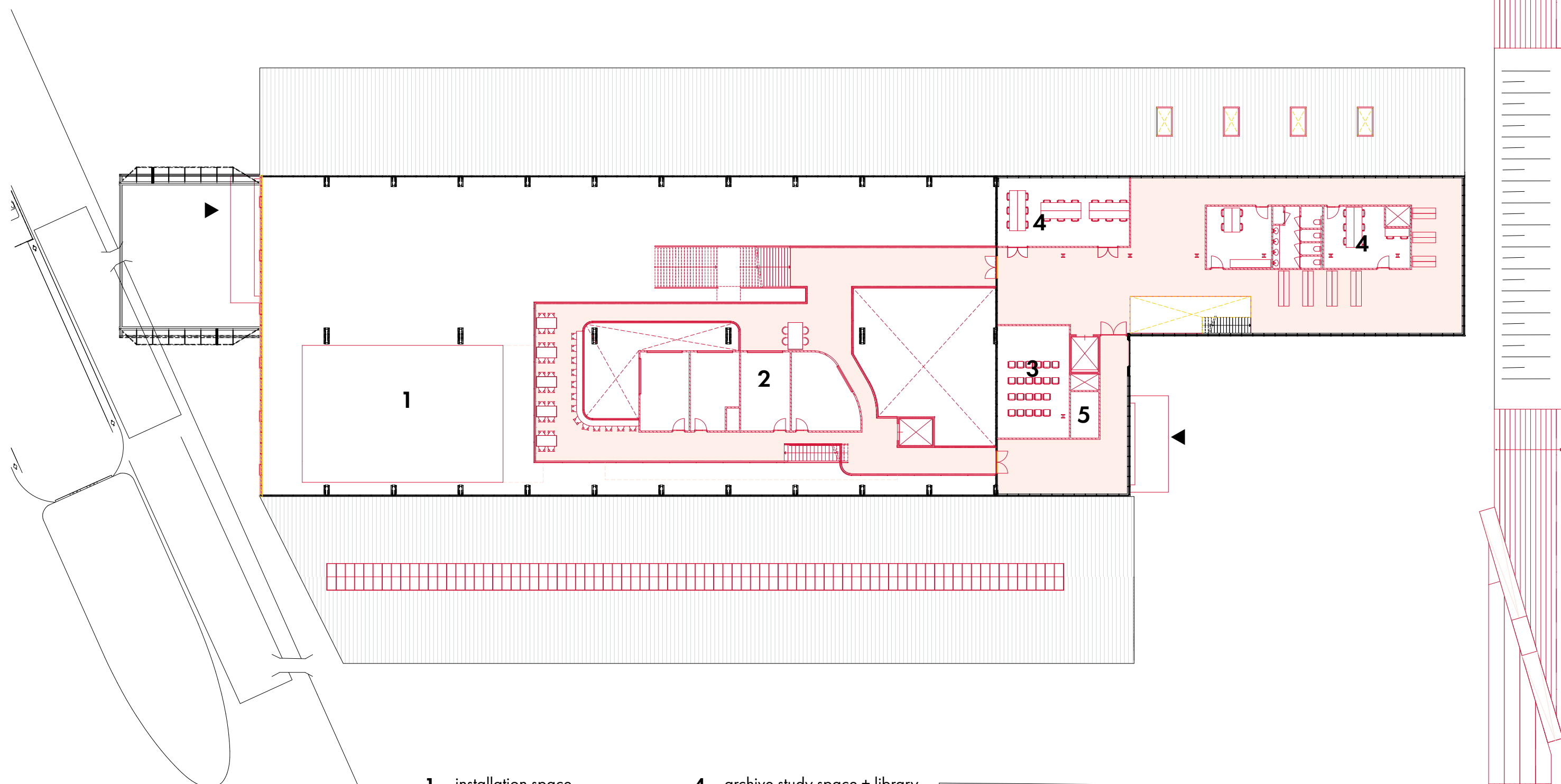


- 1 multi-use hall
- 2 lesson and practice spaces
- 3 restaurant
- 4 installation space
- 5 Binnenvaart museum
- 6 archive De Binnenvaart





# SECOND FLOOR PLAN

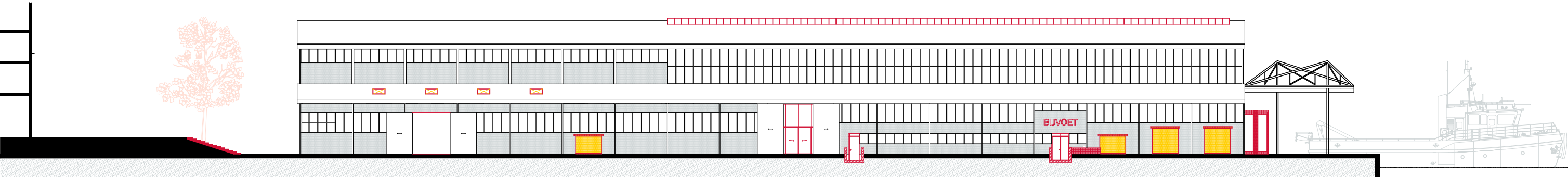


- 1 installation space
- 2 lesson and practice spaces
- 3 video archive cinema room
- 4 archive study space + library
- 5 video archive production space





# ELEVATIONS

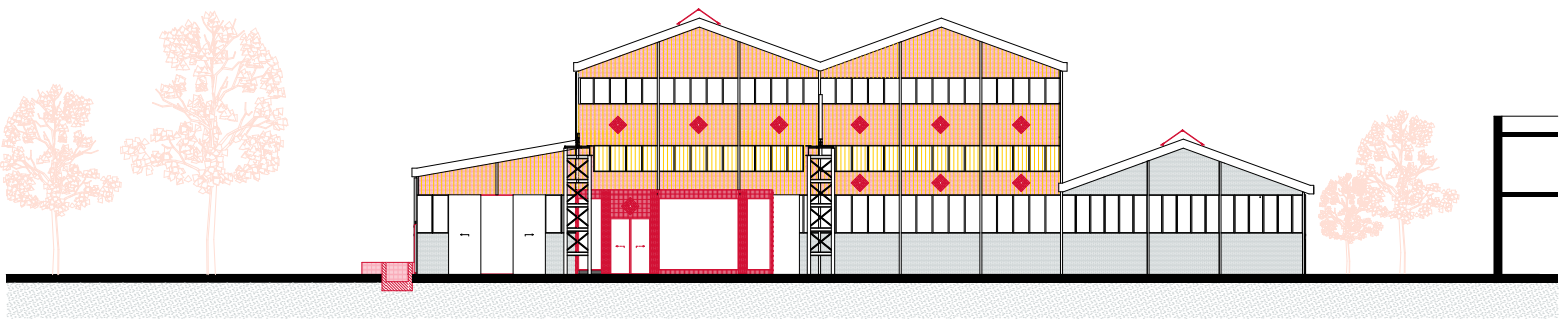


west facade

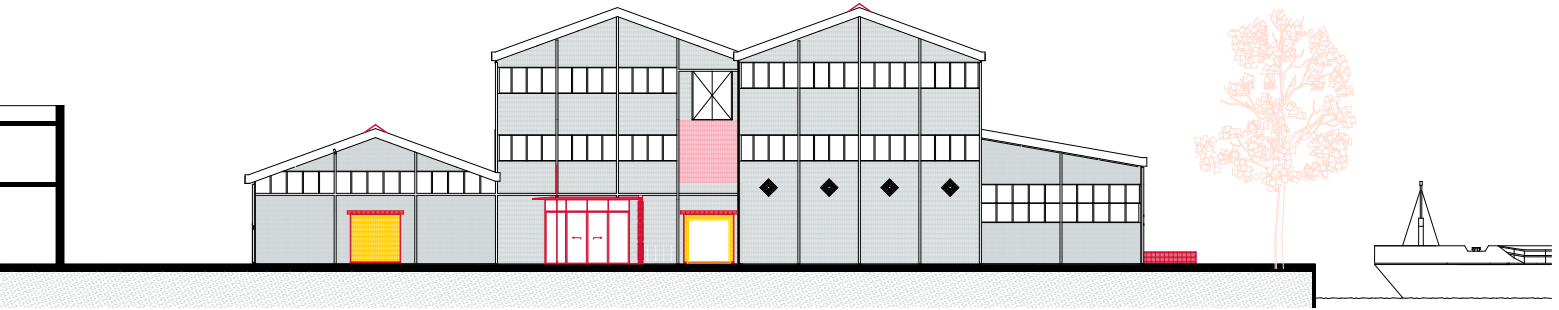


east elevation

# ELEVATIONS



2m  
5m 1m  
south facade



2m  
5m 1m  
north elevation



# SECTIONS



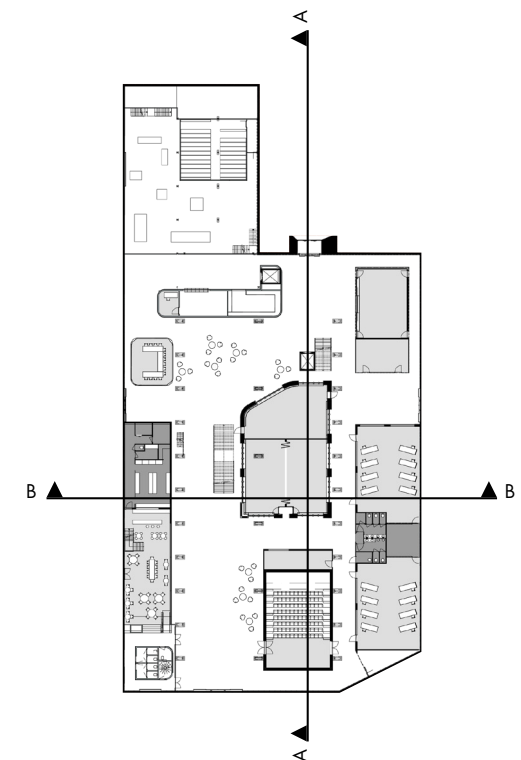
## section A-A

Through multi-use hall and lesson spaces  
scale 1:200



## section B-B

Through multi-use hall and lesson spaces  
scale 1:200

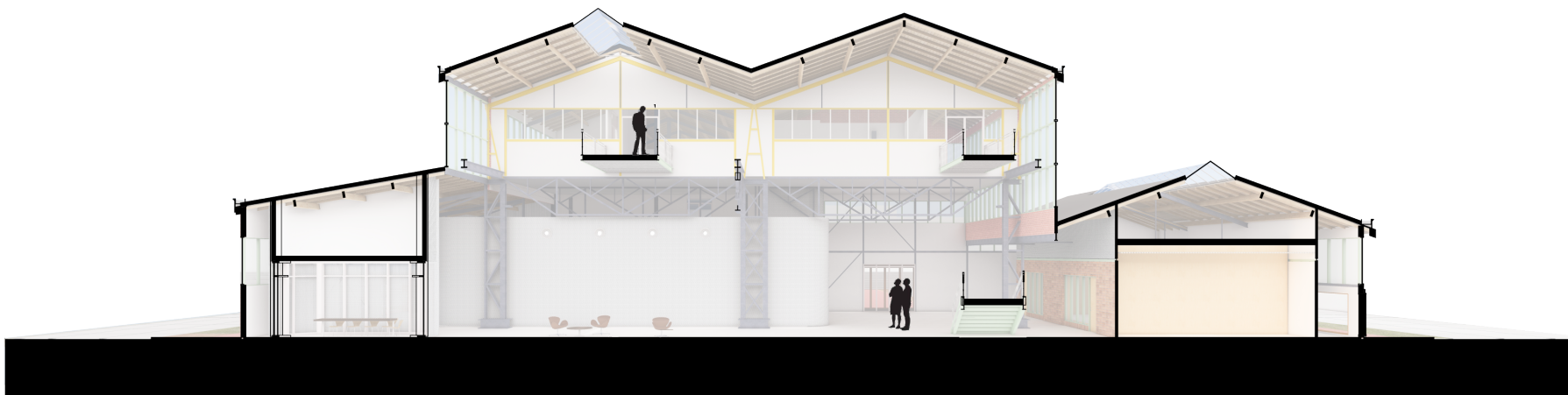


# SECTIONS



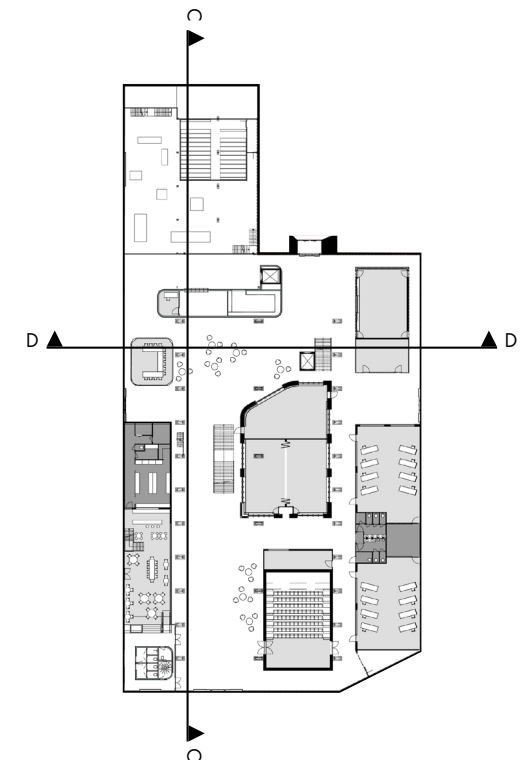
## section C-C

Through Museum an Archive De Binnenvaart  
scale 1:200



## section D-D

Through flex spaces, street and lesson spaces  
scale 1:200





# CONSTRUCTIVE OVERVIEW

## walkway to archive and studyspaces

steel beams hung on existing roof structure and  
resting on existing load bearing structure  
from main hall.

## first and second floor load bearing walls

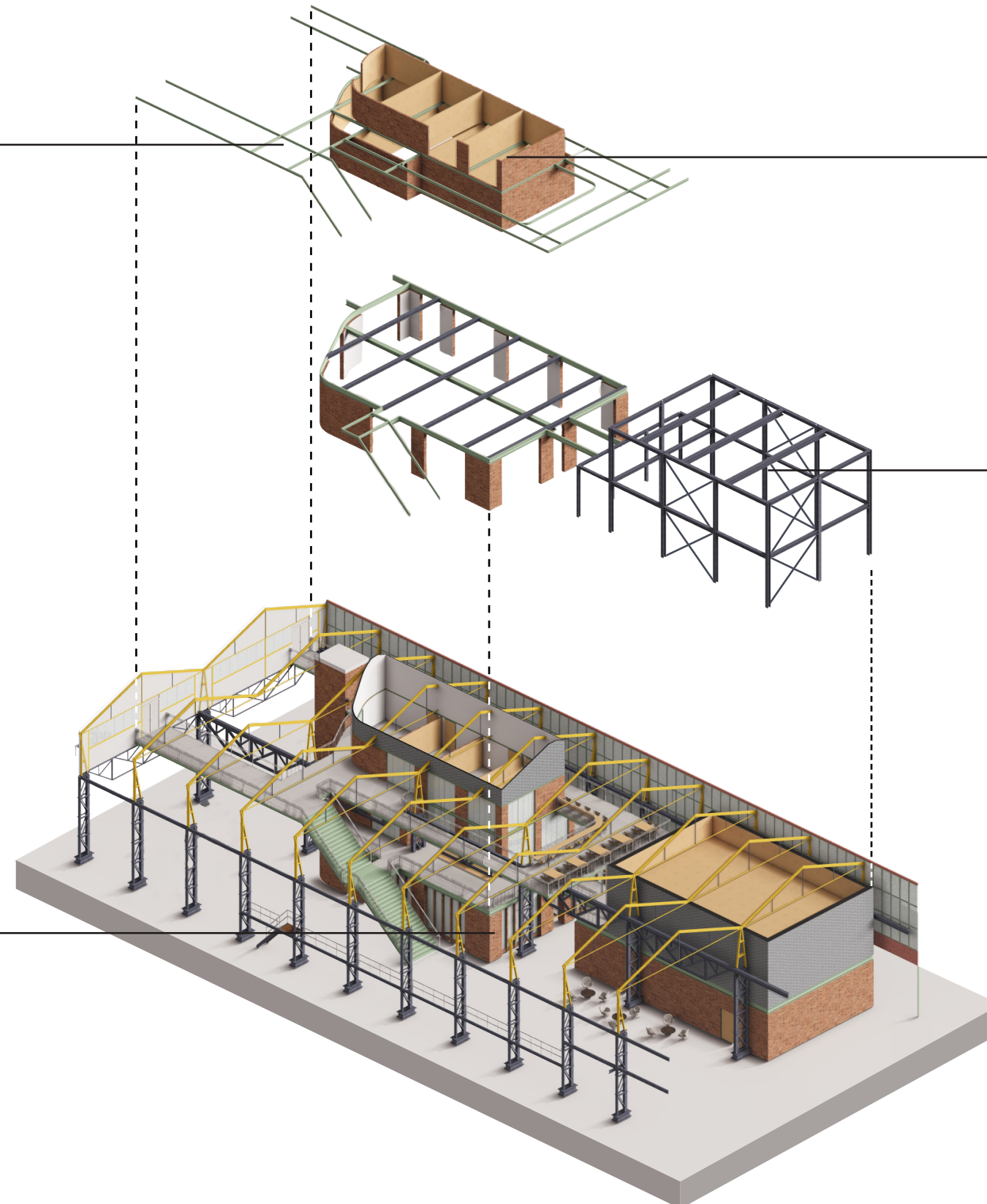
timber structural walls  
birch plywood  
Léem outside

## multi use hall

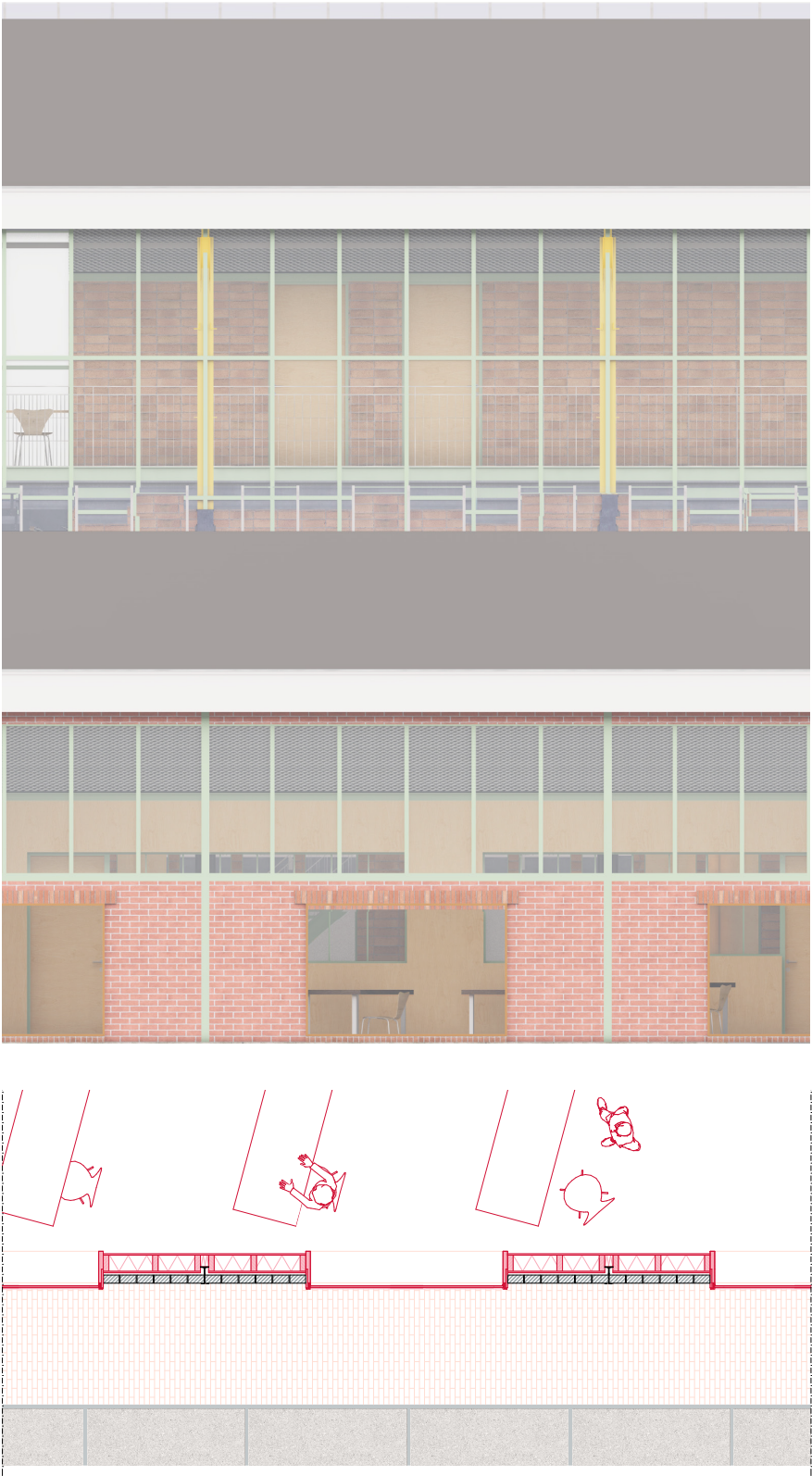
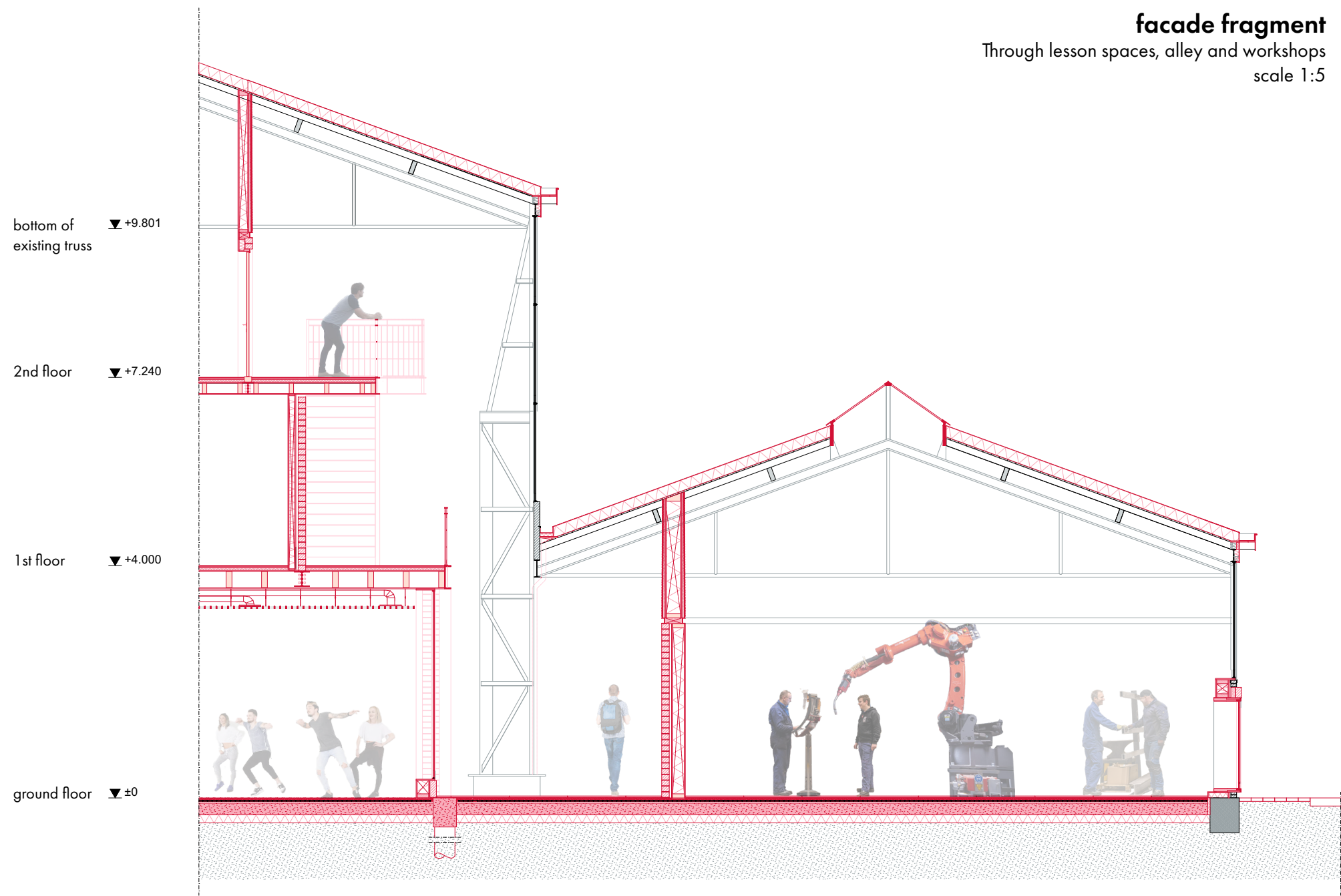
steel structure  
HEA260 beams and columns  
stability by steel bracing

## ground floor level load bearing Léem block walls

double layer load bearing Léem blocks  
thermal and sound proofing insulation  
birch plywood inside finish



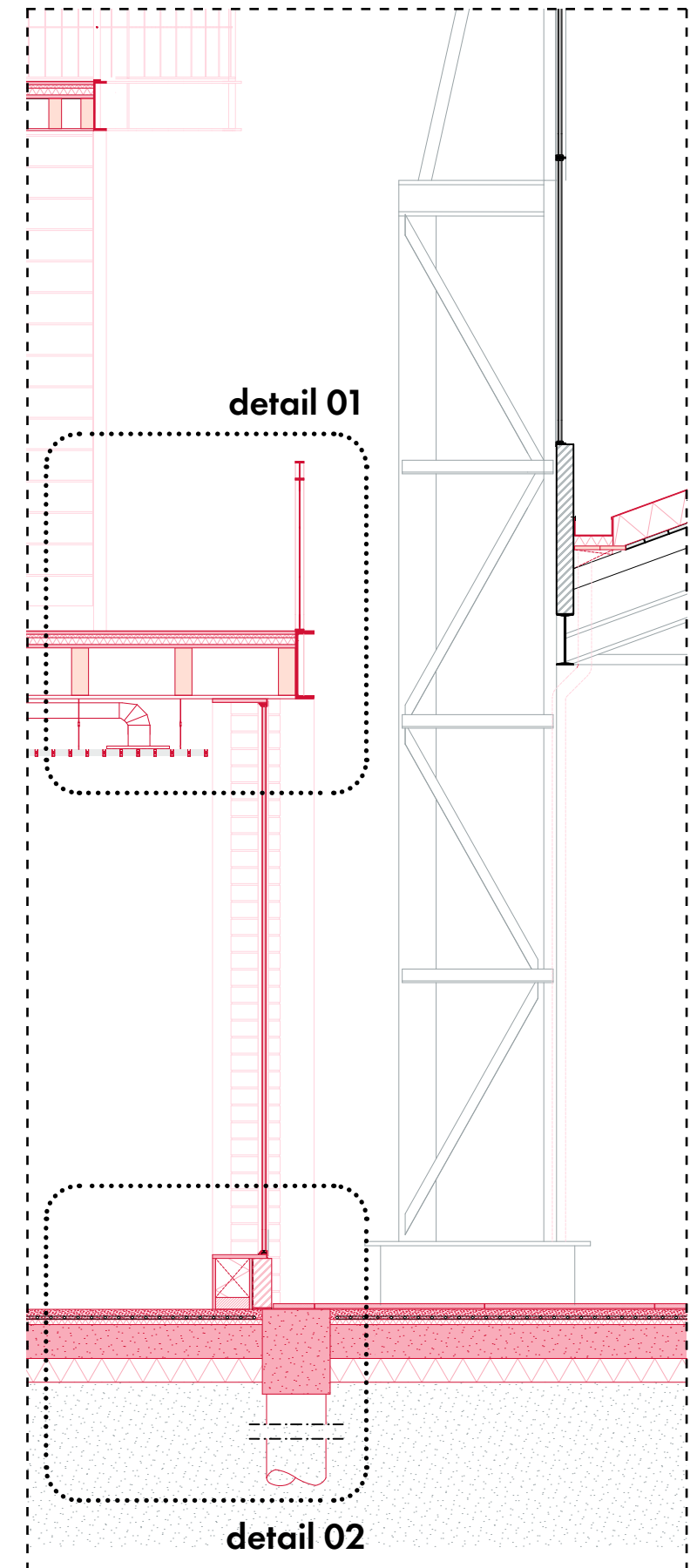
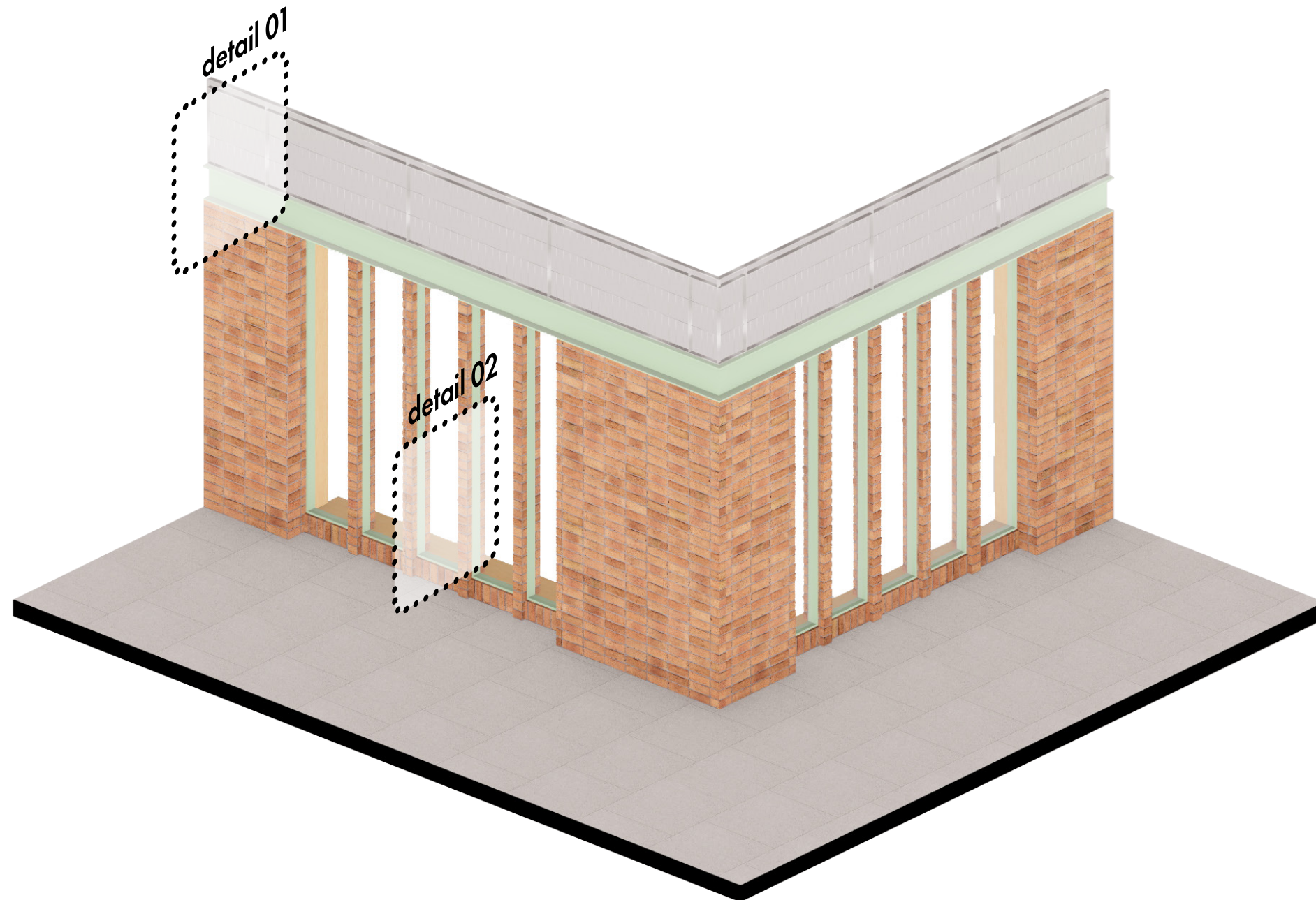
# FACADE FRAGMENT





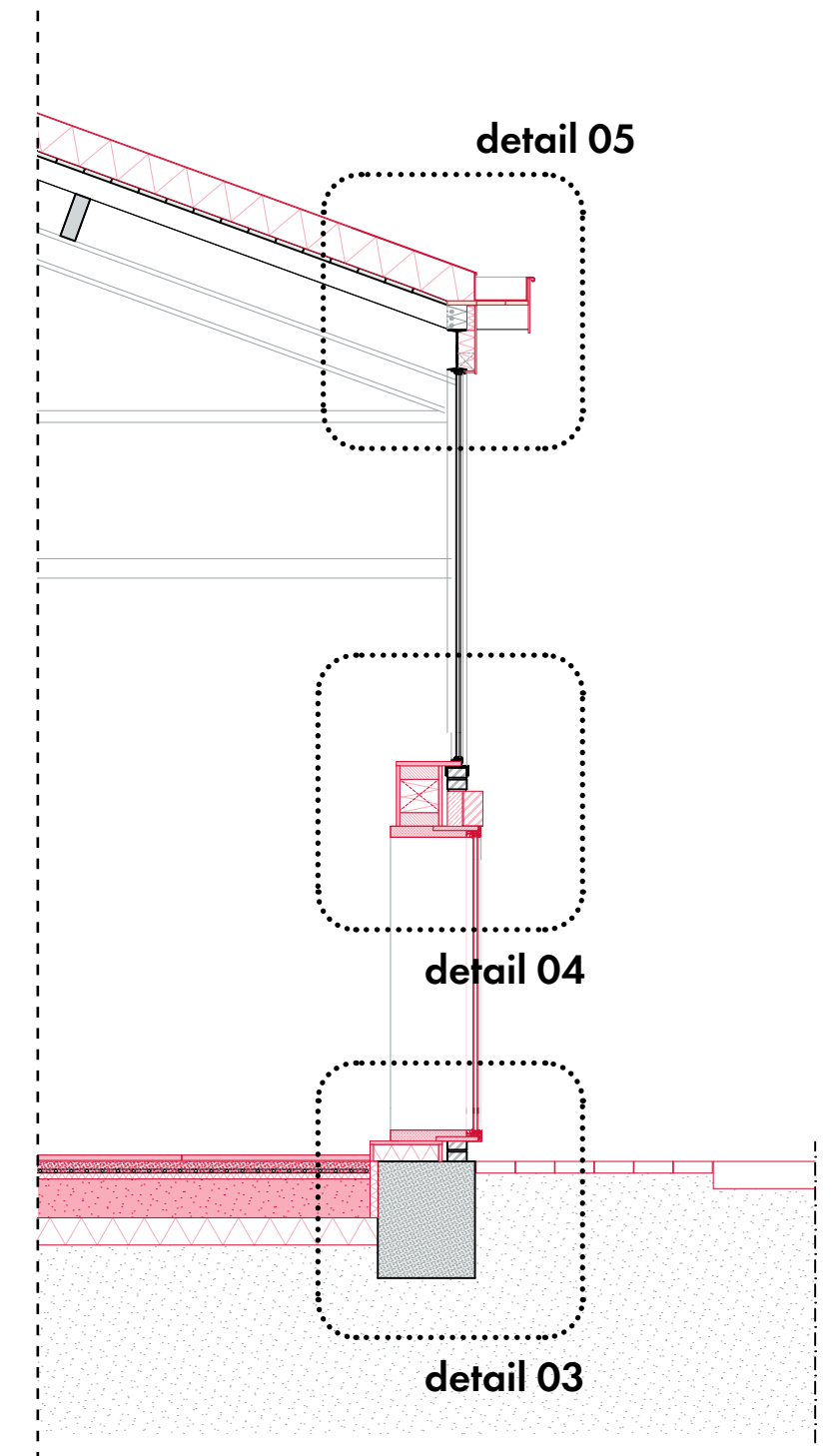
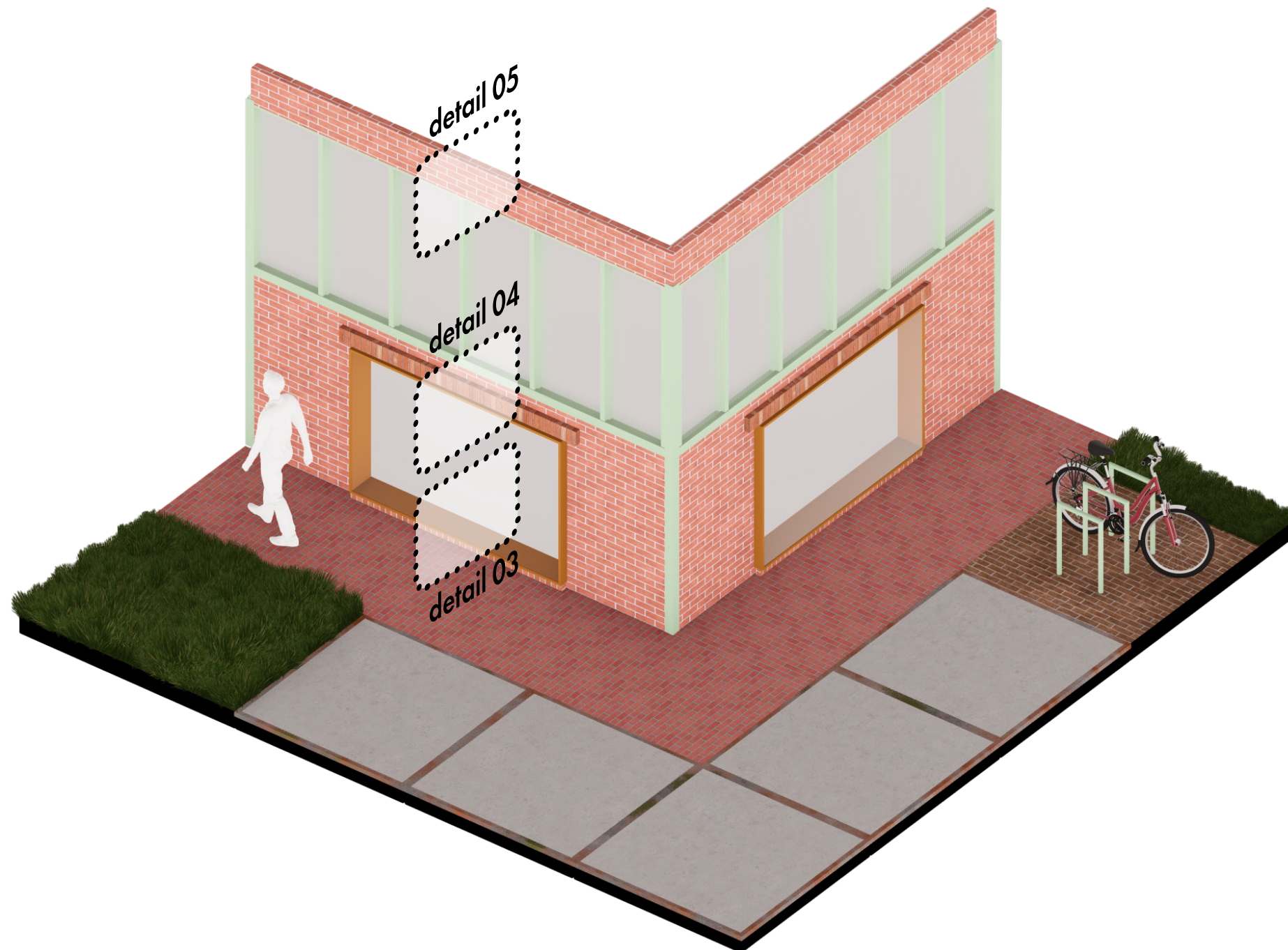
# DETAILS

position of details



# DETAILS

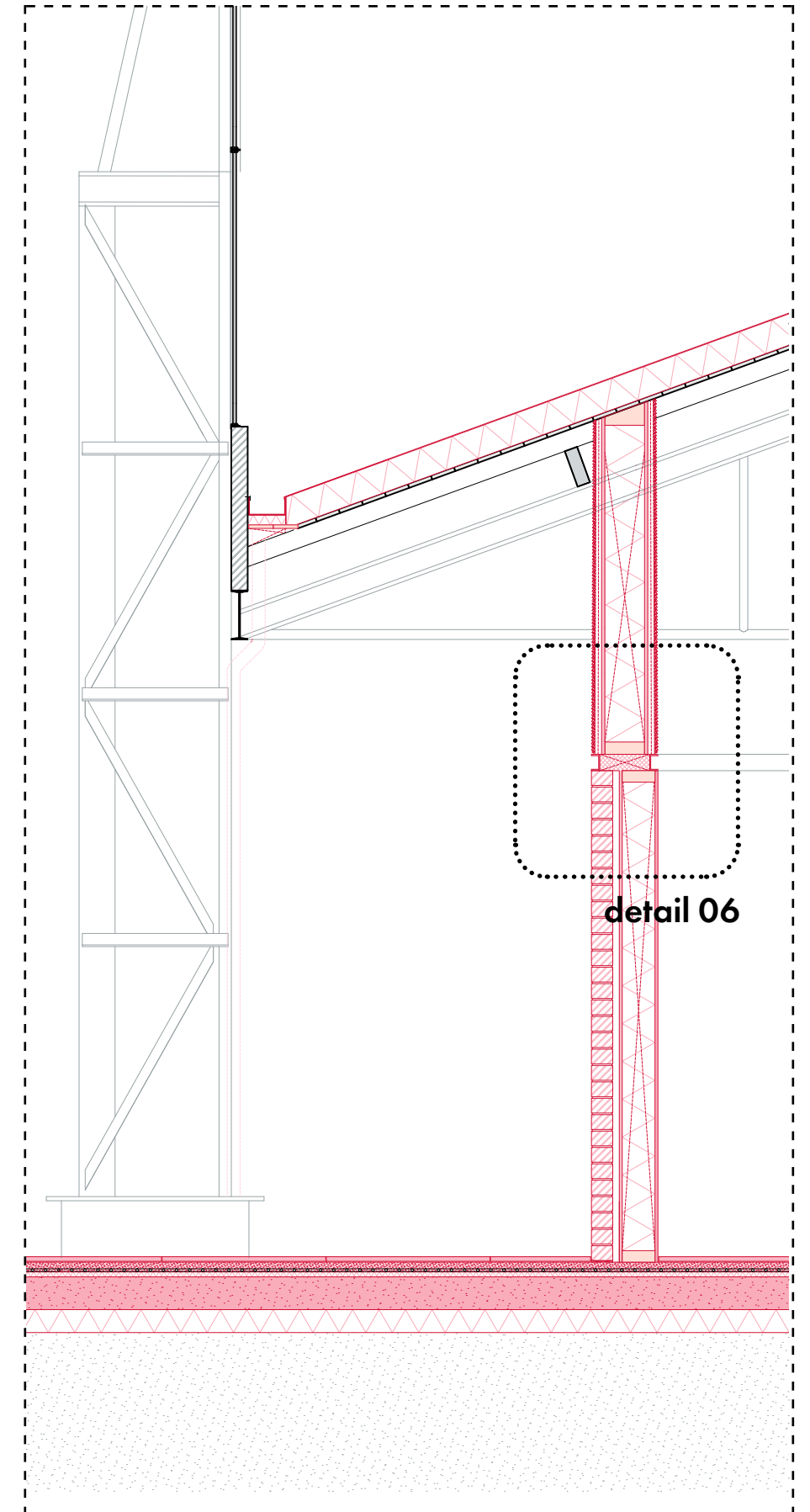
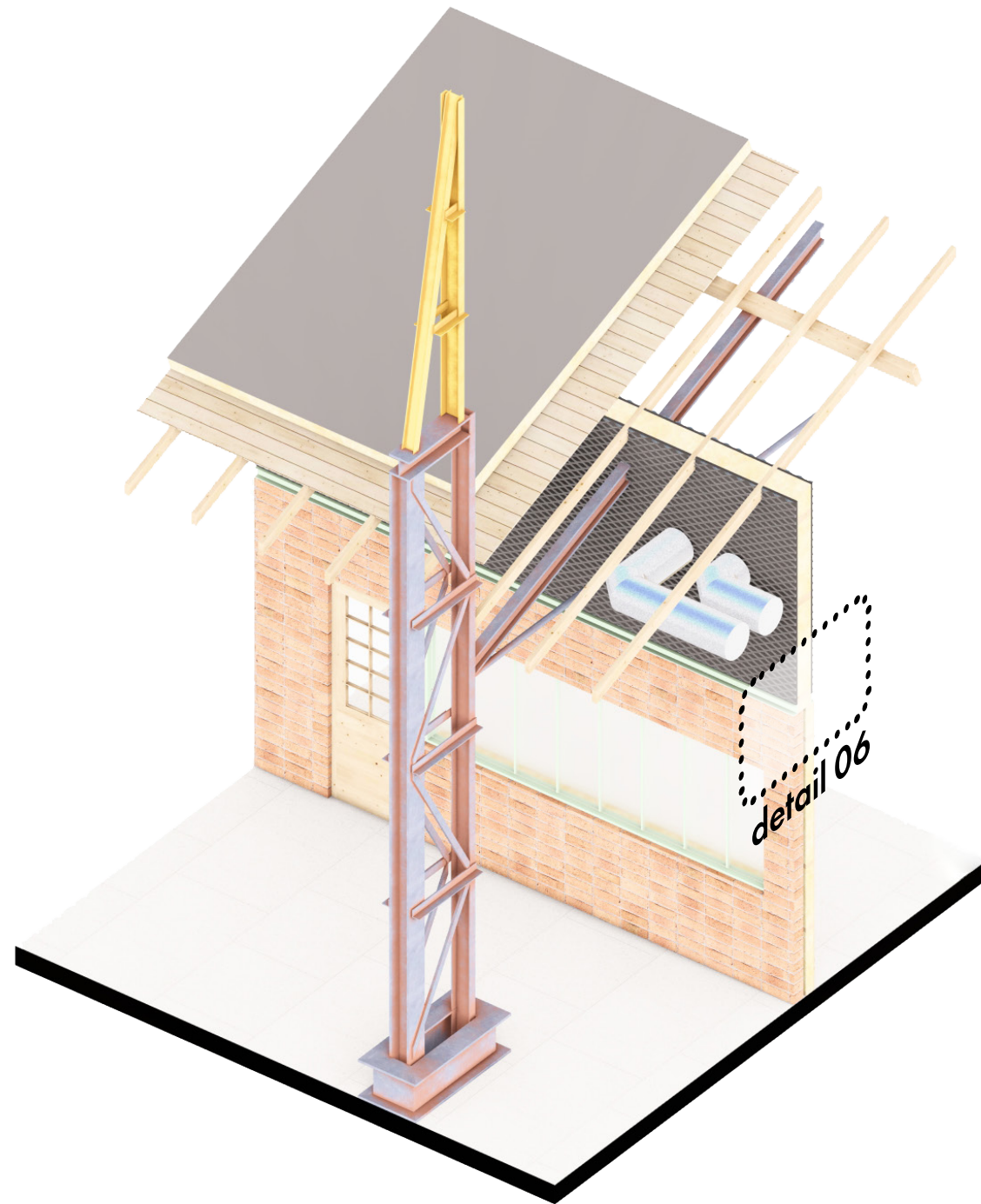
position of details



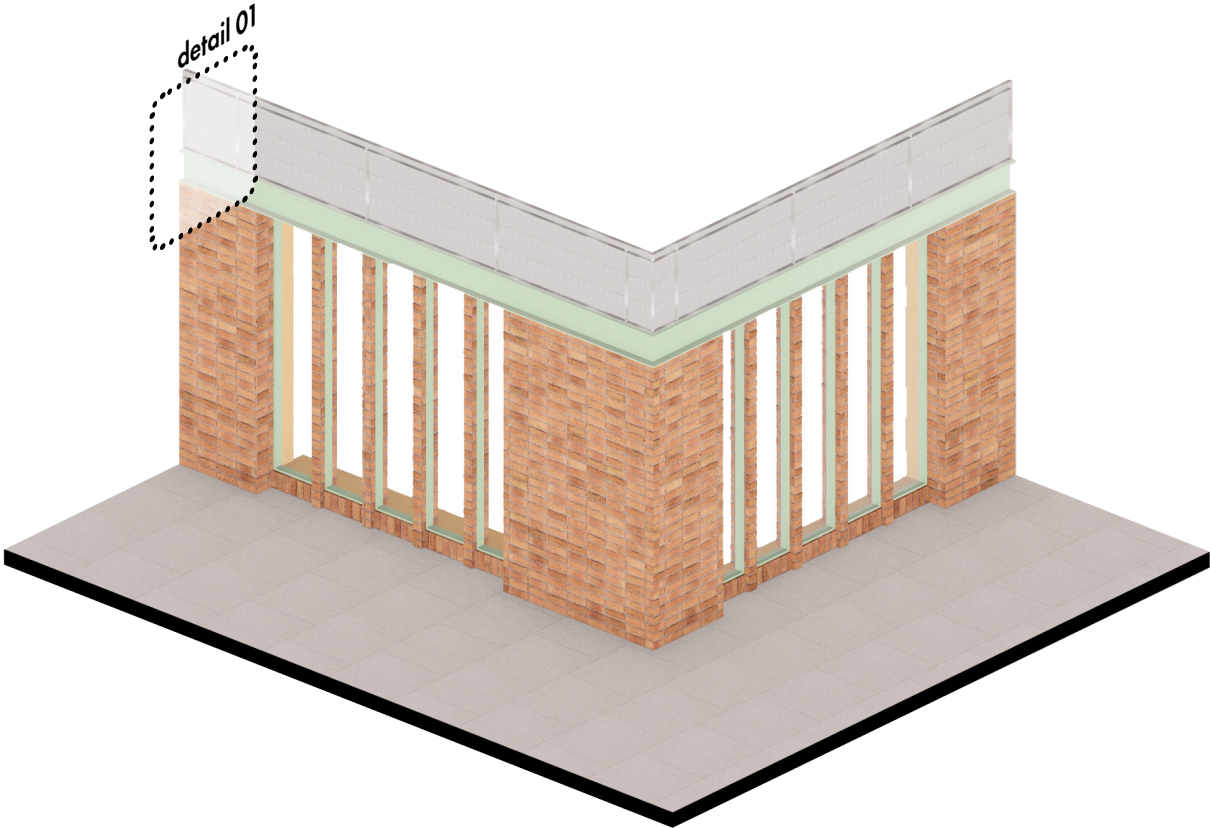


# DETAILS

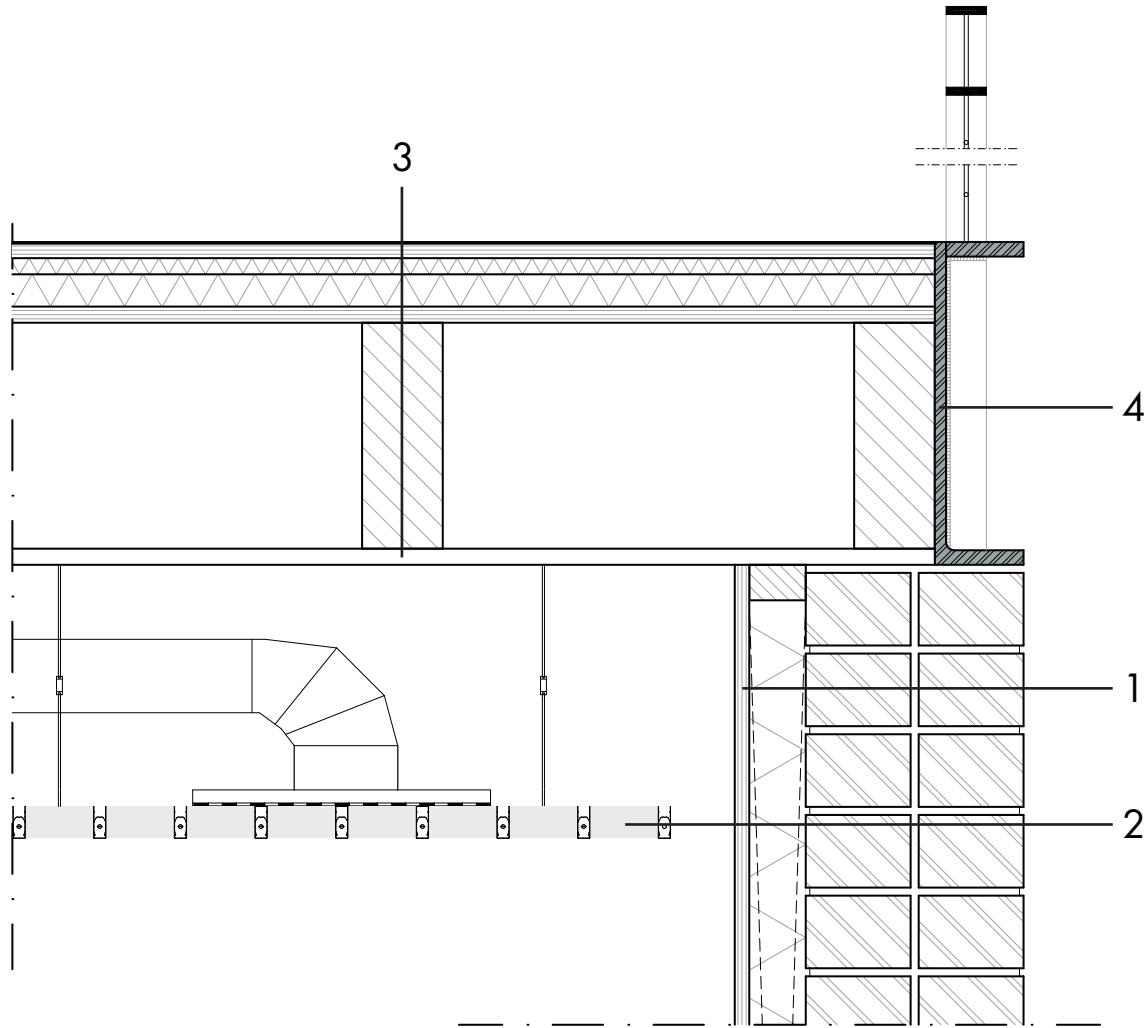
position of details



# DETAIL 01



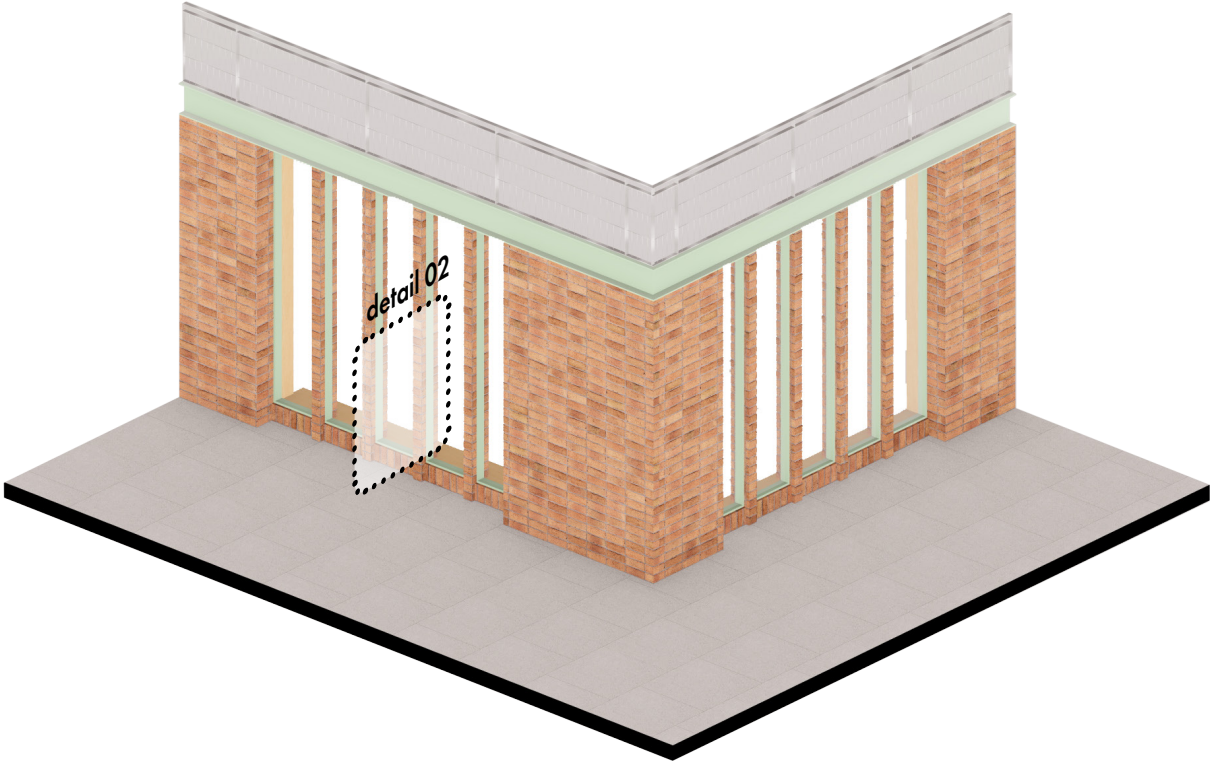
**detail 01**  
Leem Blocks - first floor connection  
scale 1:5



- 1 Leem Blocks 290×130×90  
Wooden stud wall  
70mm hemp wool insulation  
 $\lambda = 0.039 \text{ W/mK}$   
Plywood Birch 18mm
- 2 Hunter Douglas Luxalon Cell C40  
suspended ceiling  
Integrated lighting and ventilation
- 3 Forbo Marmoleum Solid Piano  
Manufacturer prescribed underfloor  
OSB board 18mm  
HEA320 steel beam
- 4 Decorative steel L-profile with welded  
on railing

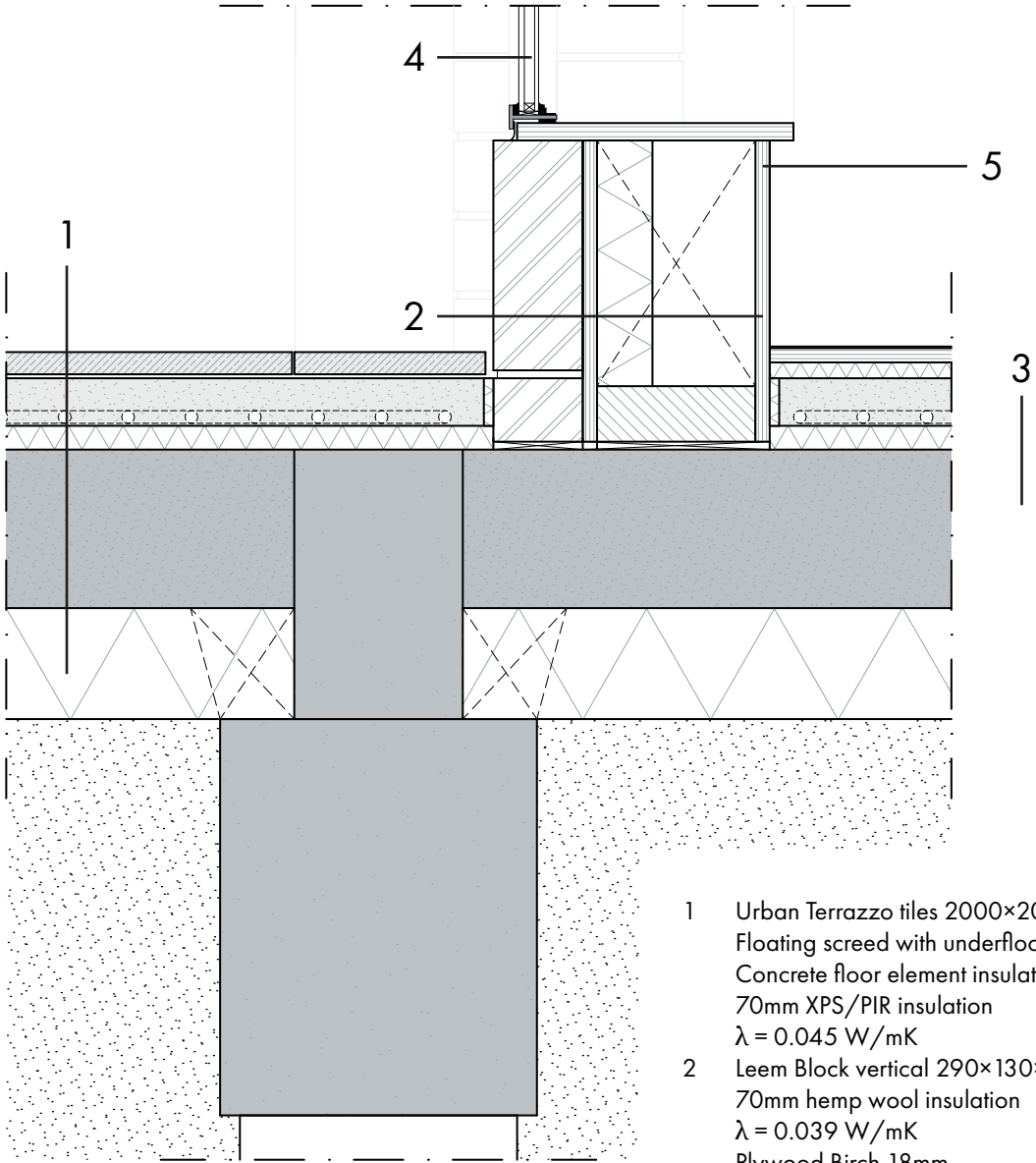


# DETAIL 02



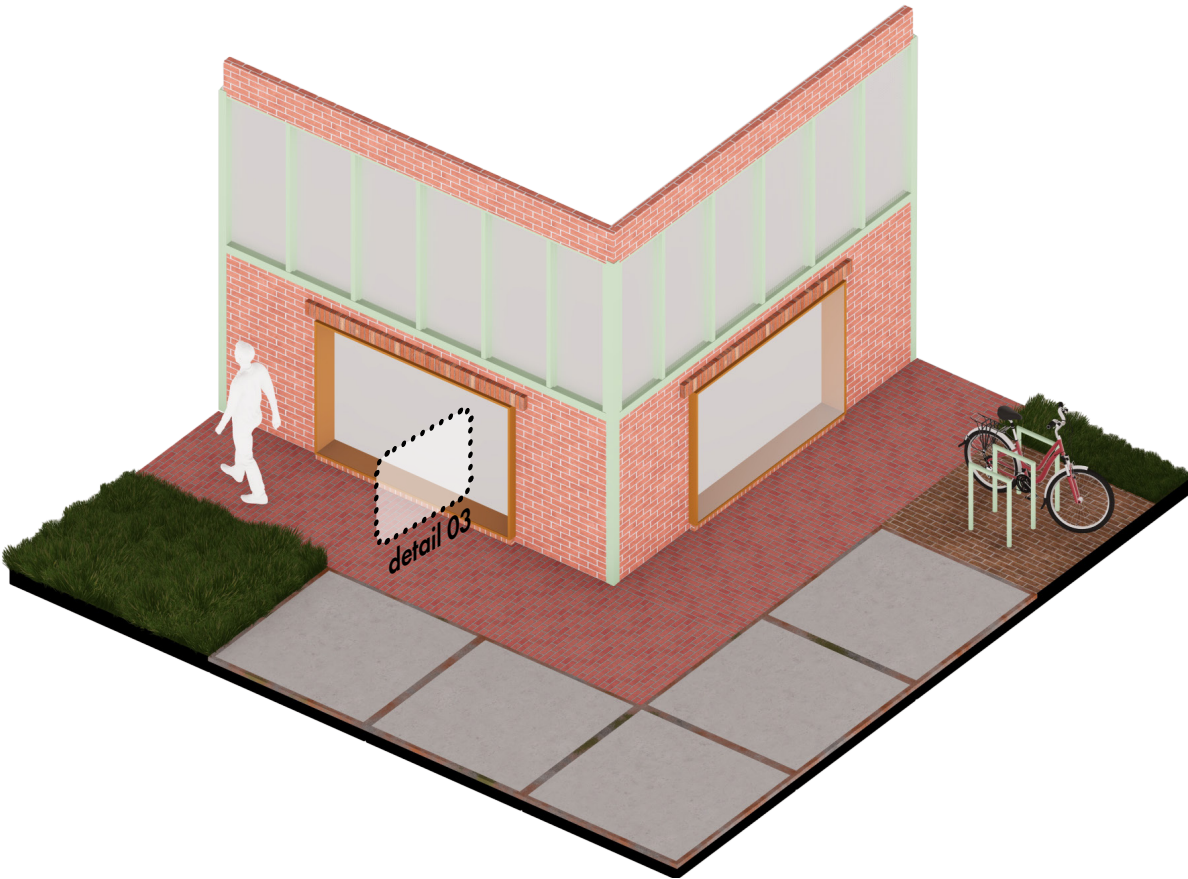
## detail 02

Leem Blocks - ground floor connection  
scale 1:5

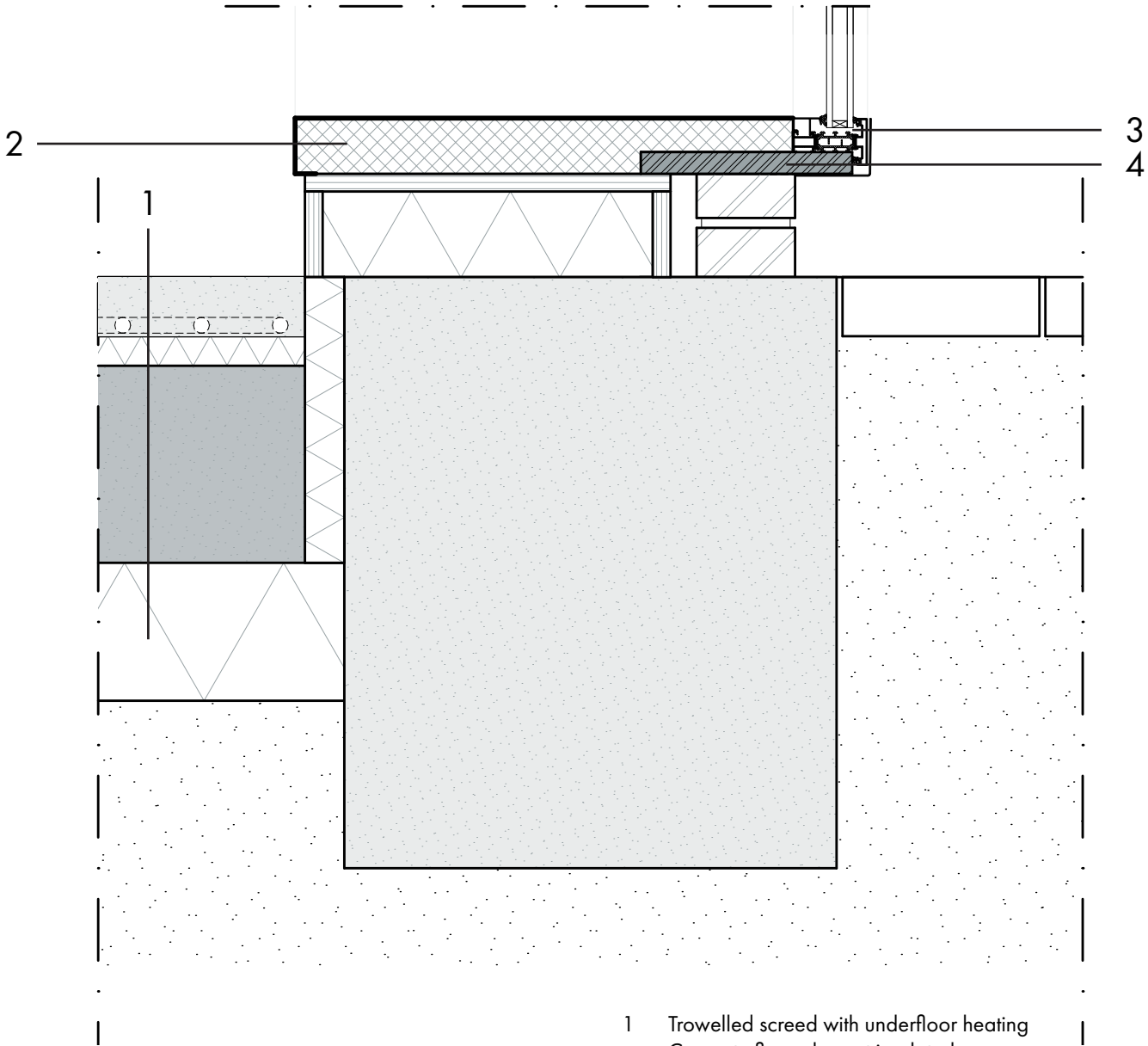


- 1 Urban Terrazzo tiles 2000×2000  
Floating screed with underfloor heating  
Concrete floor element insulated  
70mm XPS/PIR insulation  
 $\lambda = 0.045 \text{ W/mK}$
- 2 Leem Block vertical 290×130×90  
70mm hemp wool insulation  
 $\lambda = 0.039 \text{ W/mK}$   
Plywood Birch 18mm
- 3 Forbo Marmoleum Solid Piano  
Manufacturer prescribed underfloor
- 4 MHB SL30 window frame
- 5 Plywood Birch

# DETAIL 03



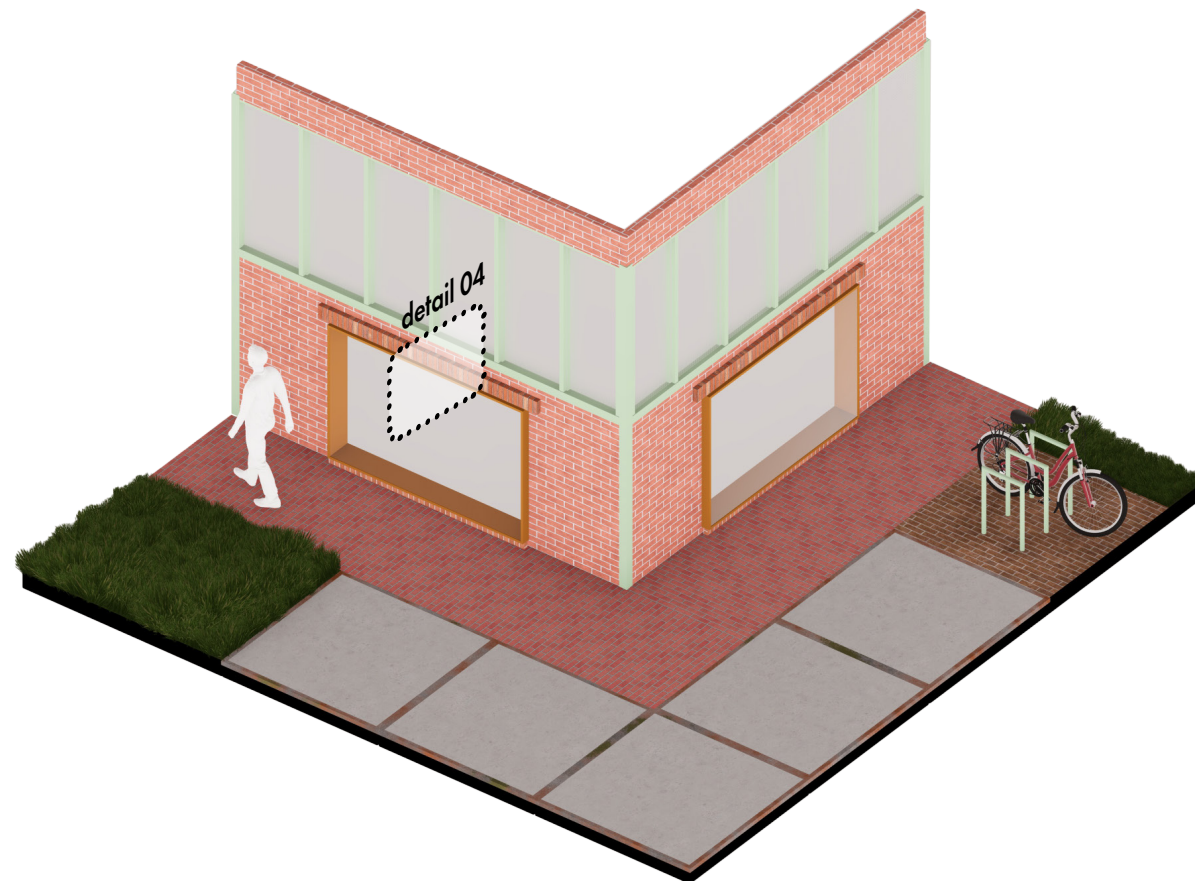
**detail 03**  
floor to facade with added window  
scale 1:5



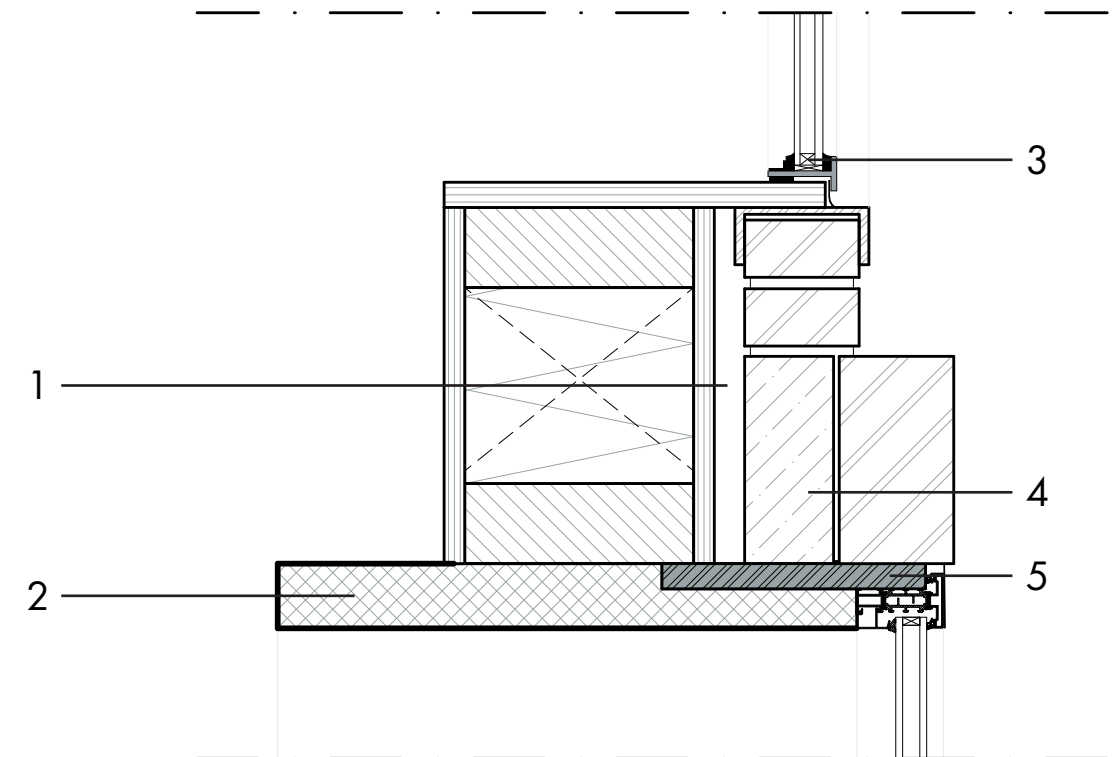
- 1 Trowelled screed with underfloor heating  
Concrete floor element insulated  
70mm XPS/PIR insulation  
 $\lambda = 0.045 \text{ W/mK}$
- 2 Aluminum bended sheeting Bronze RAL 8025
- 3 Reynaers SL38 window frame
- 4 Steel profile for window frame fixation



# DETAIL 04

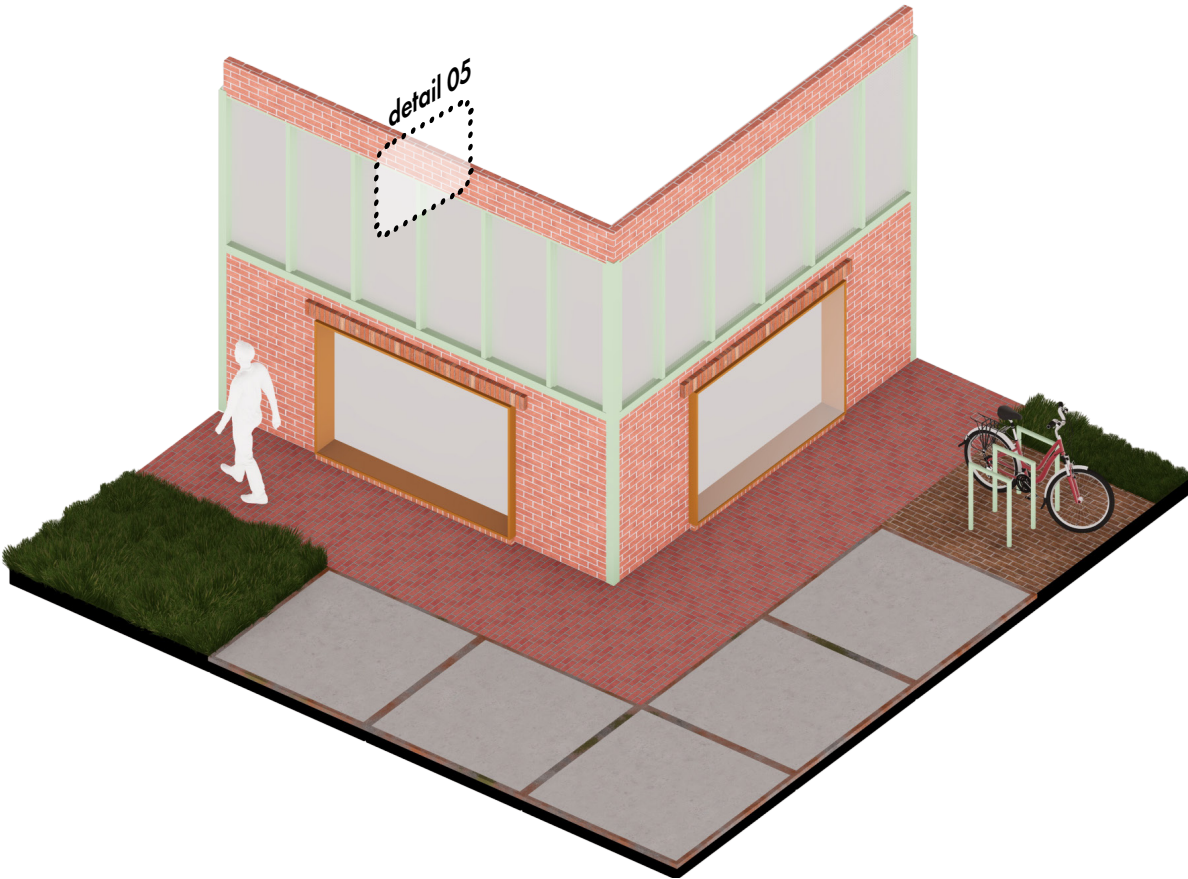


**detail 04**  
New window in existing facade  
scale 1:5



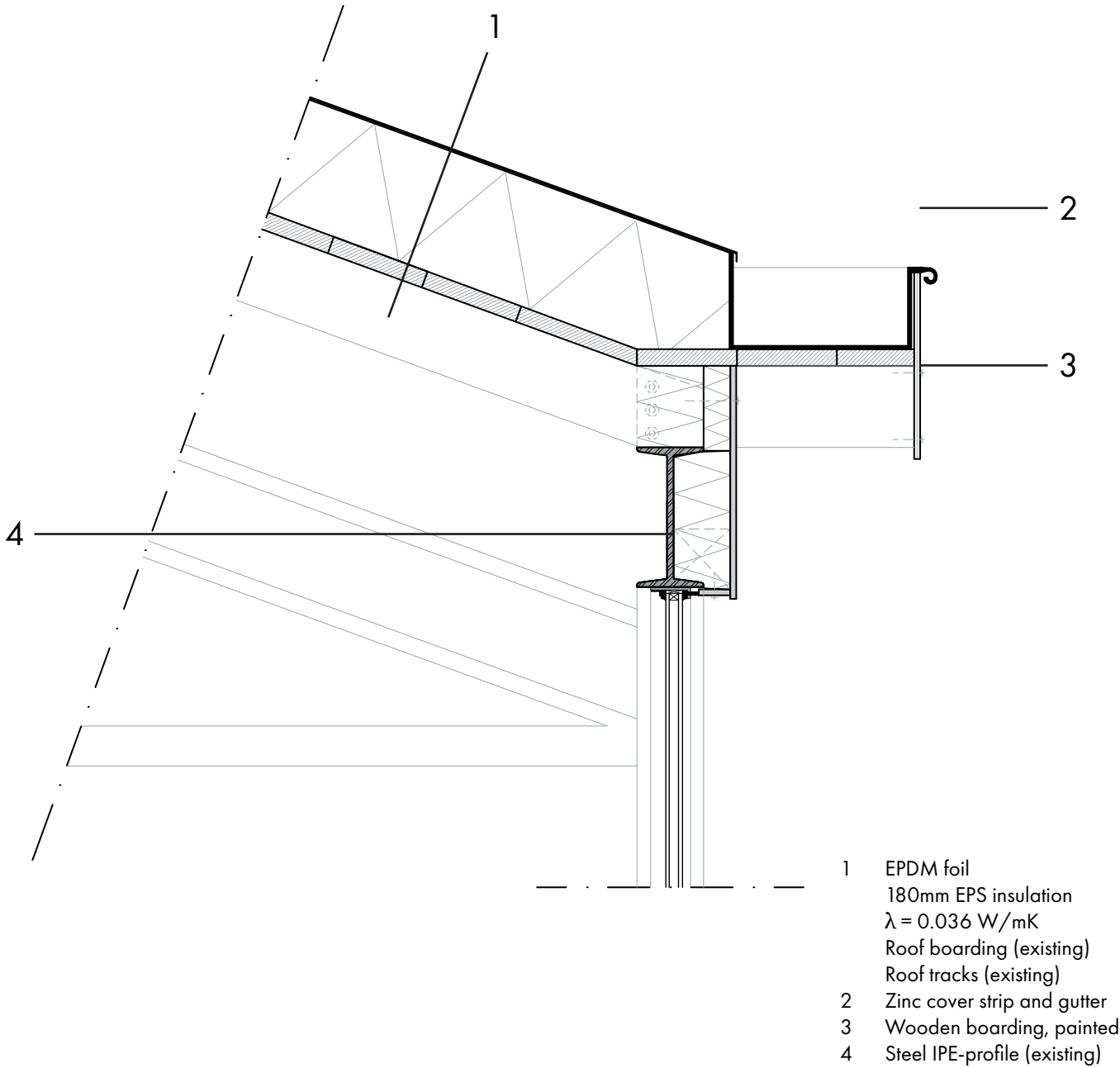
- 1 Cavity 40mm  
Wooden stud wall  
200mm hemp wool insulation  
 $\lambda = 0.039 \text{ W/mK}$   
Plywood Birch 18mm
- 2 Aluminum bended sheeting Bronze RAL 8025
- 3 Reynaers SL38 window frame
- 4 Concrete lintel with standing bricks
- 5 Steel profile for window frame fixation

# DETAIL 05



## detail 05

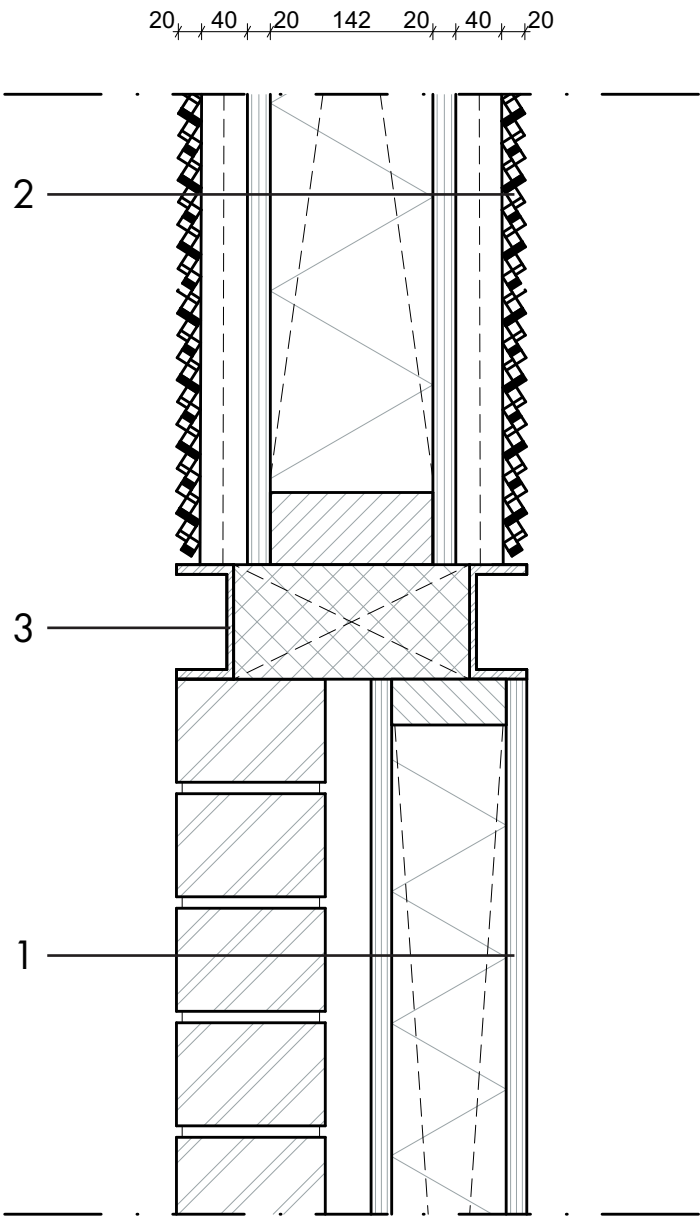
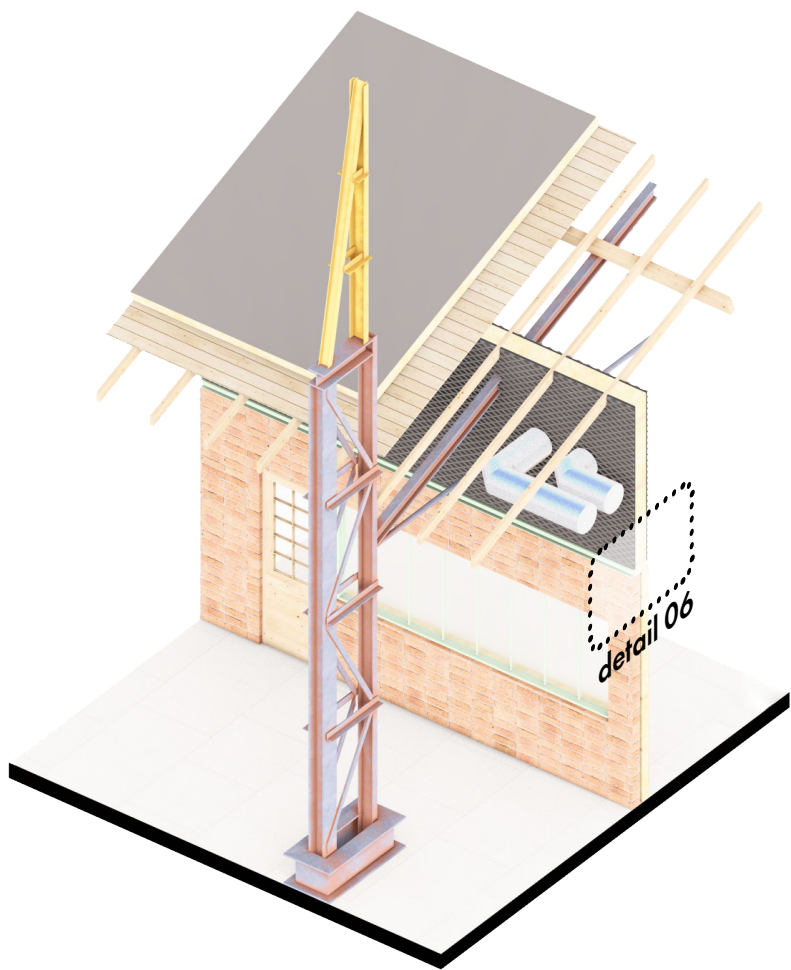
Added roof insulation and new gutter  
scale 1:5





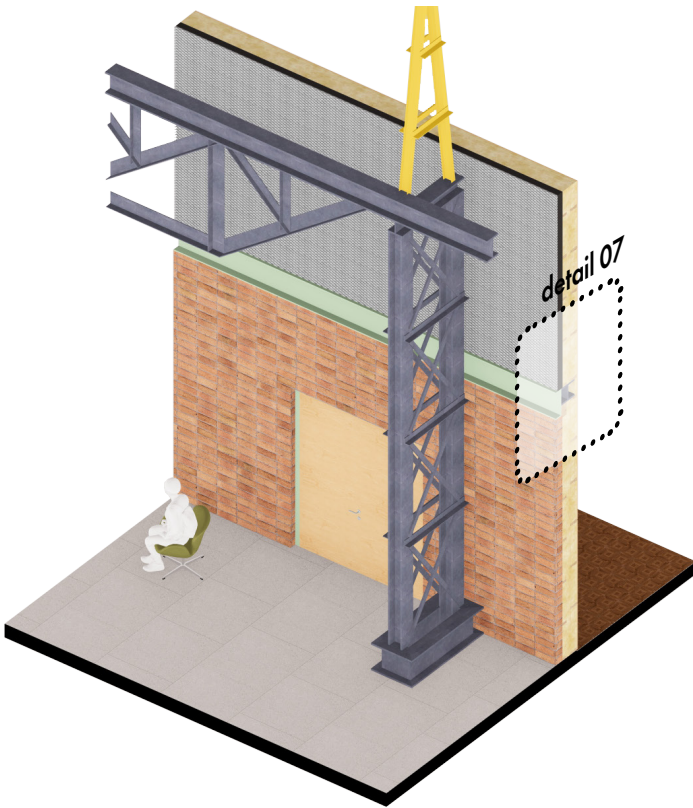
# DETAIL 06

**detail 06**  
Interior wall alley - workshops  
scale 1:5

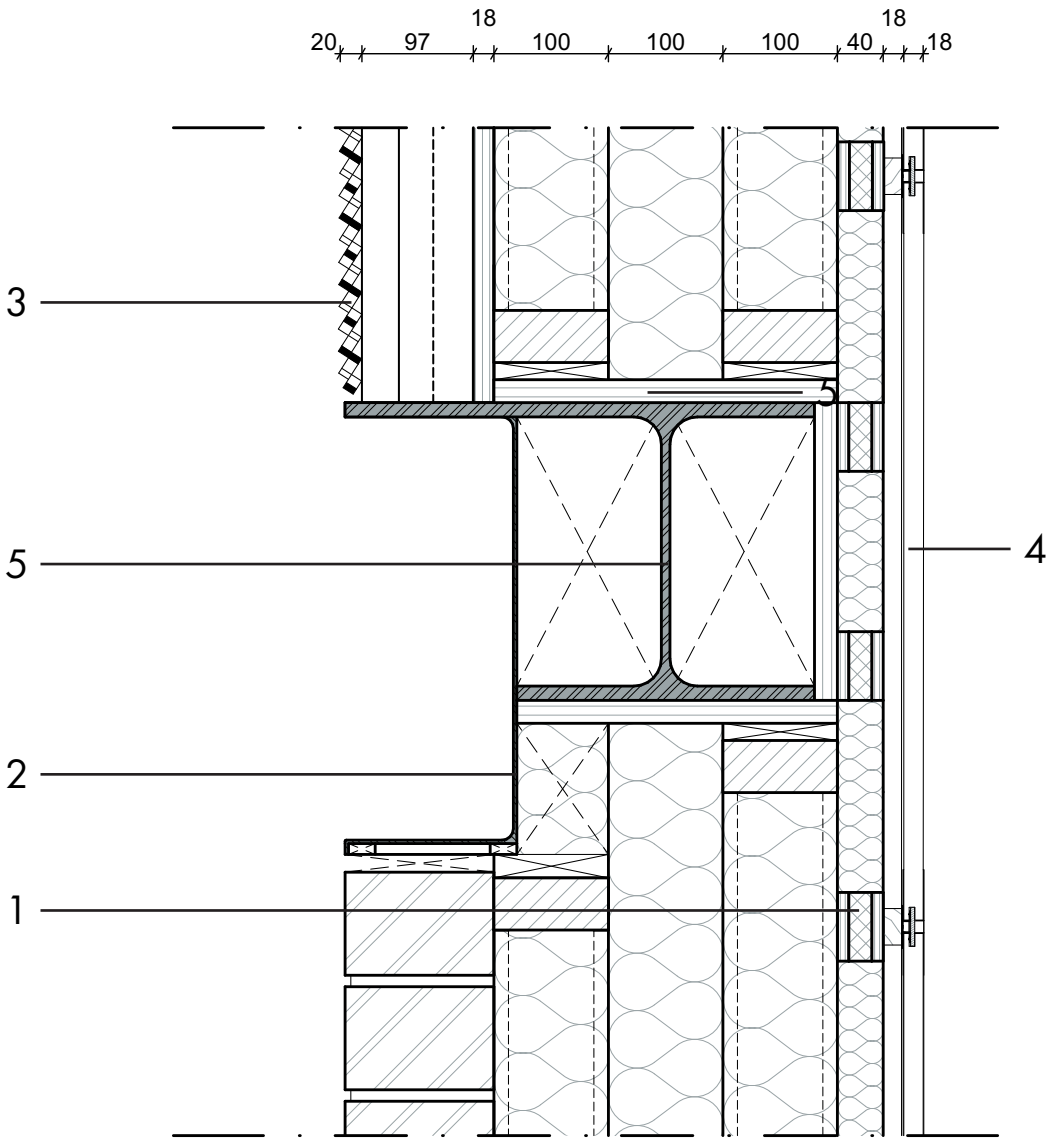


- 1 Leem Blocks 290×130×90  
Wooden stud wall  
100mm hemp wool insulation  
 $\lambda = 0.039 \text{ W/mK}$   
Plywood Birch 18mm
- 2 Metadecor Academy metal mesh  
Manufacturer prescribed fixation  
Wooden stud wall  
142mm hemp wool insulation  
 $\lambda = 0.039 \text{ W/mK}$
- 3 Decorative steel UNP-profile

# DETAIL 07



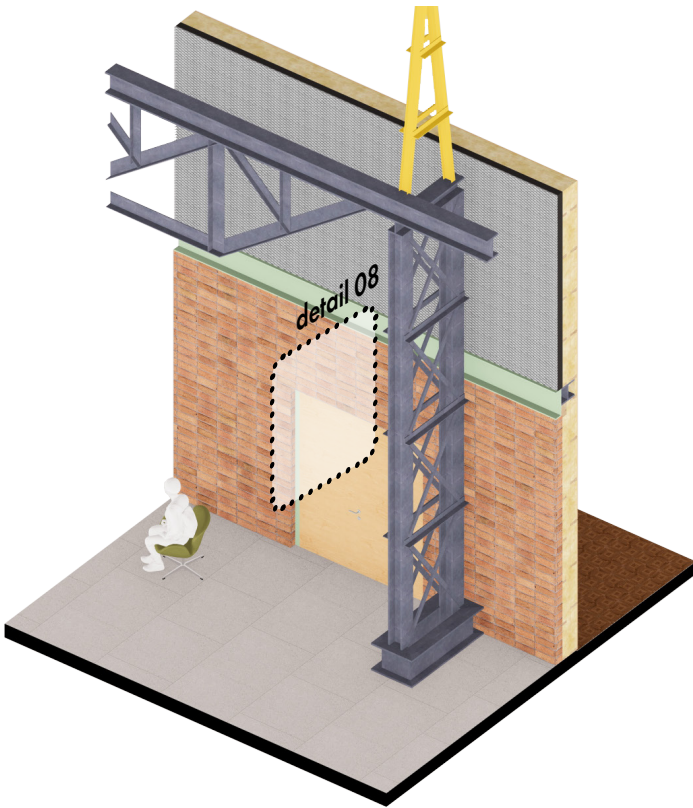
**detail 07**  
Interior wall street - multi use hall  
scale 1:5



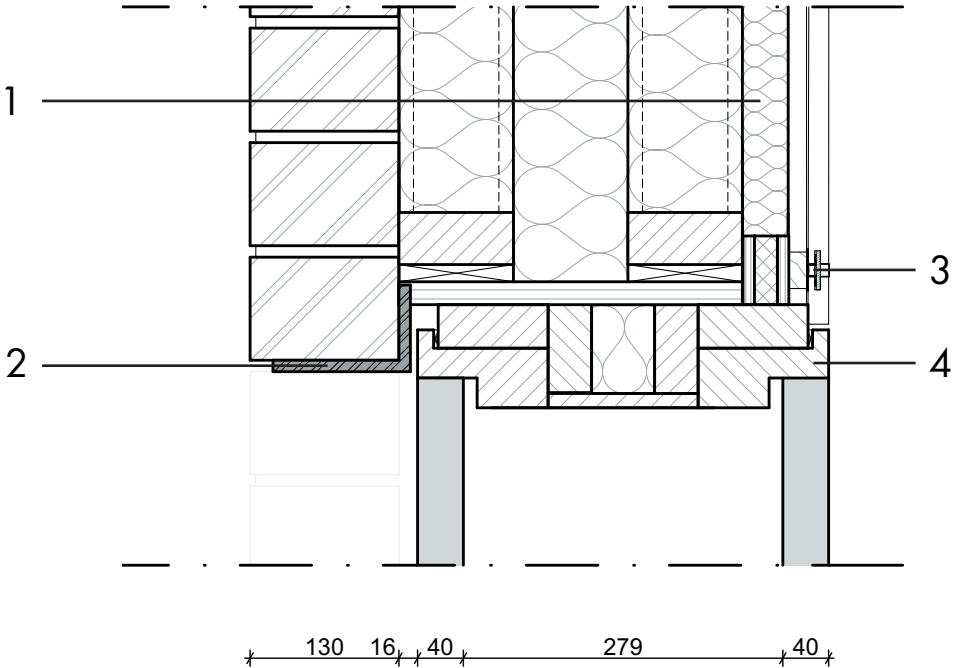
- 1 Leem Blocks 290×130×90  
3×100mm disconnected mineral wool insulation  
Spring loaded Akoesticon slats
- 2 Decorative bended aluminum
- 3 Metadecor Academy metal mesh  
Manufacturer prescribed fixation
- 4 Hunter Douglas Acoustic Veneered Wood Wall Panel
- 5 HEA260 steel beam



# DETAIL 08



**detail 08**  
Interior wall street - multi use hall  
scale 1:5



- 1 Leem Blocks 290×130×90  
3×100mm disconnected mineral wool insulation  
Spring loaded Akoesticon slats
- 2 Steel lintel
- 3 Hunter Douglas Acoustic Veneered Wood Wall Panel
- 4 Wooden door frame



























