

timber knowledge platform

reintroducing visible timber
into the urban environment



graduation studio
2025/2026
architectural wood

a4 presentation | 17.06.2026
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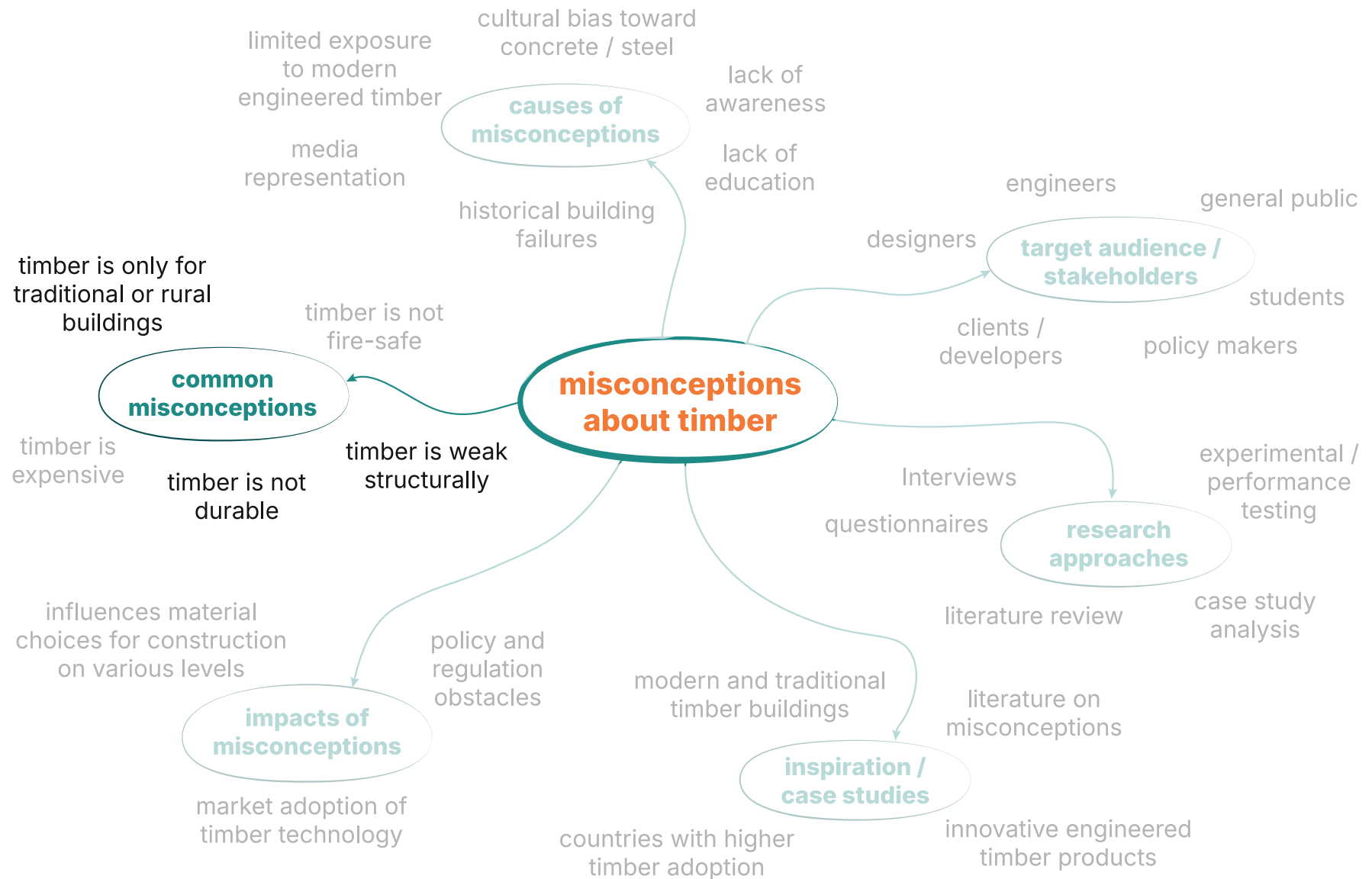


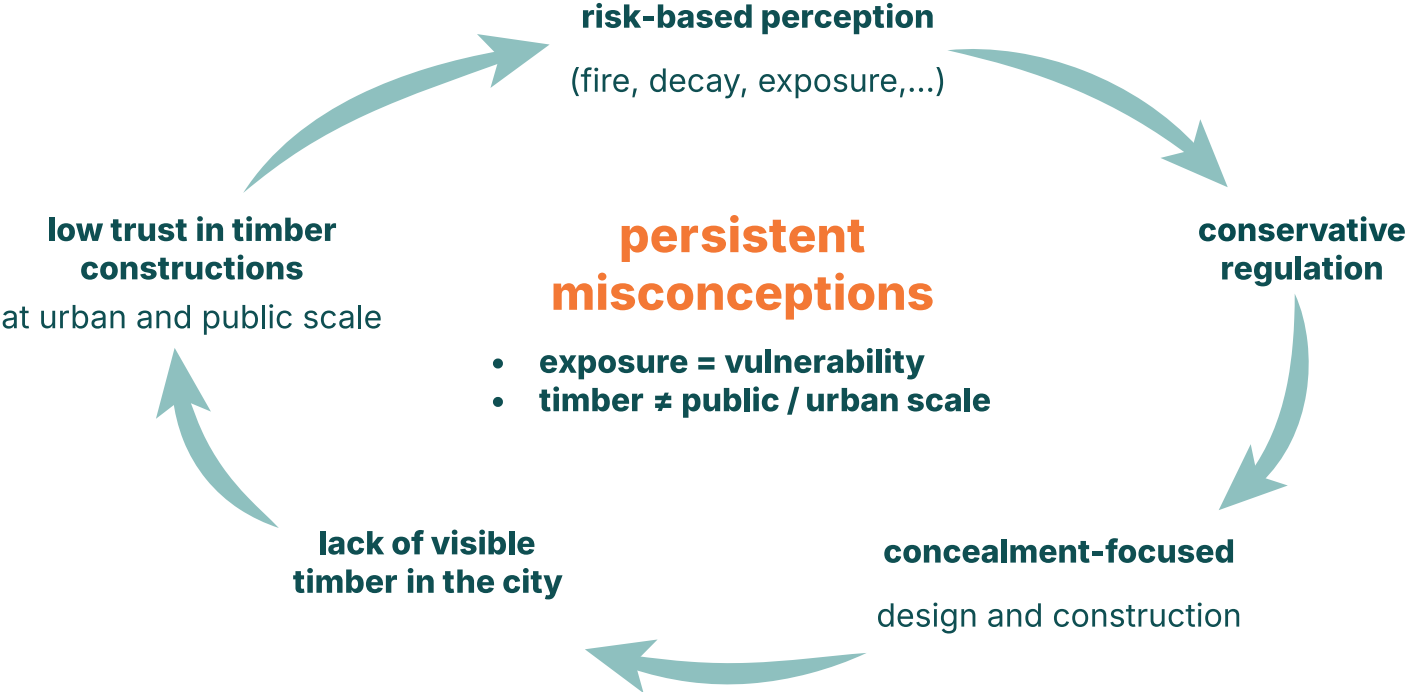
There is a **gap** between

**what timber
can do**



**how it is perceived in
dense urban
environments**

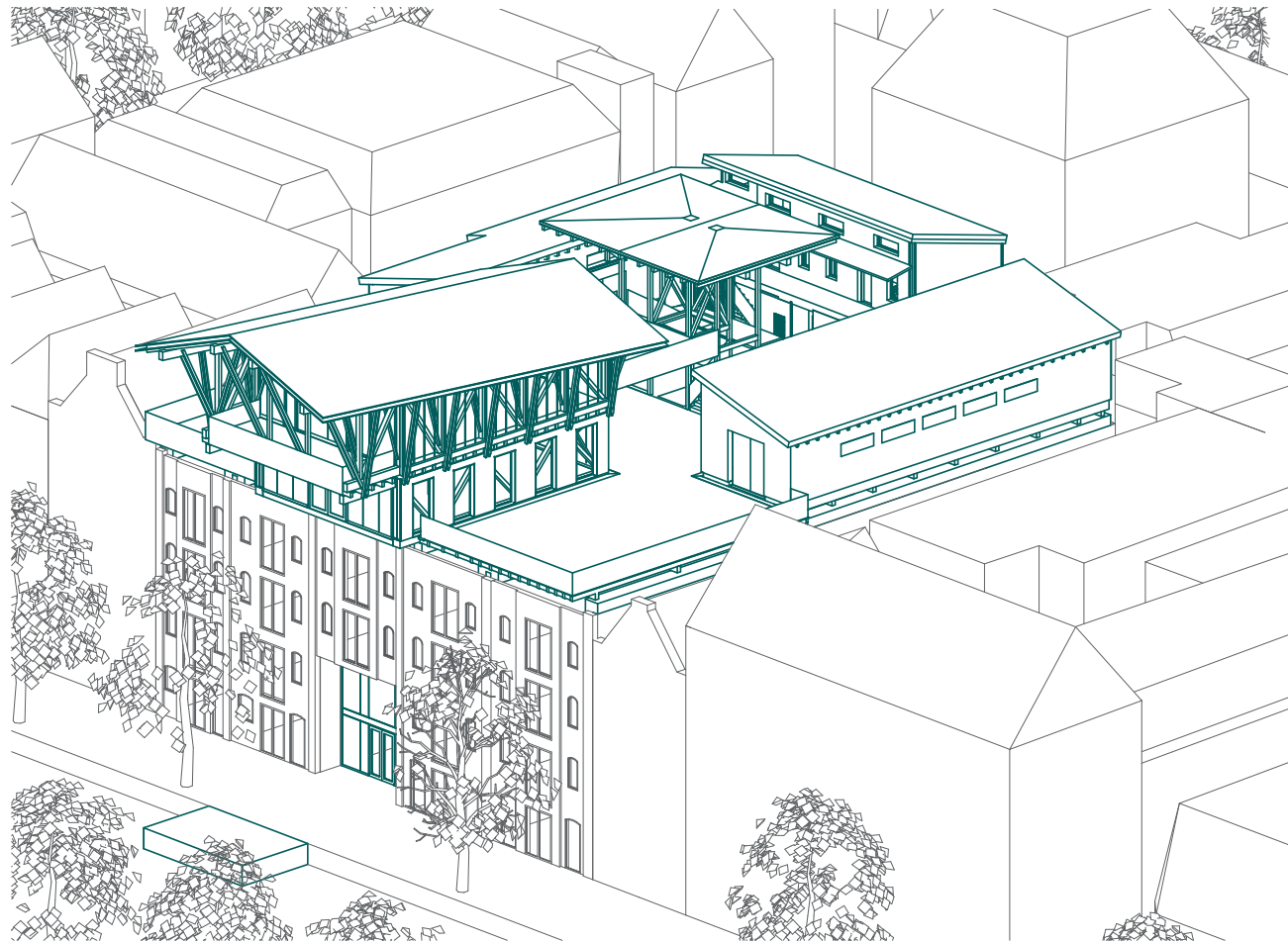






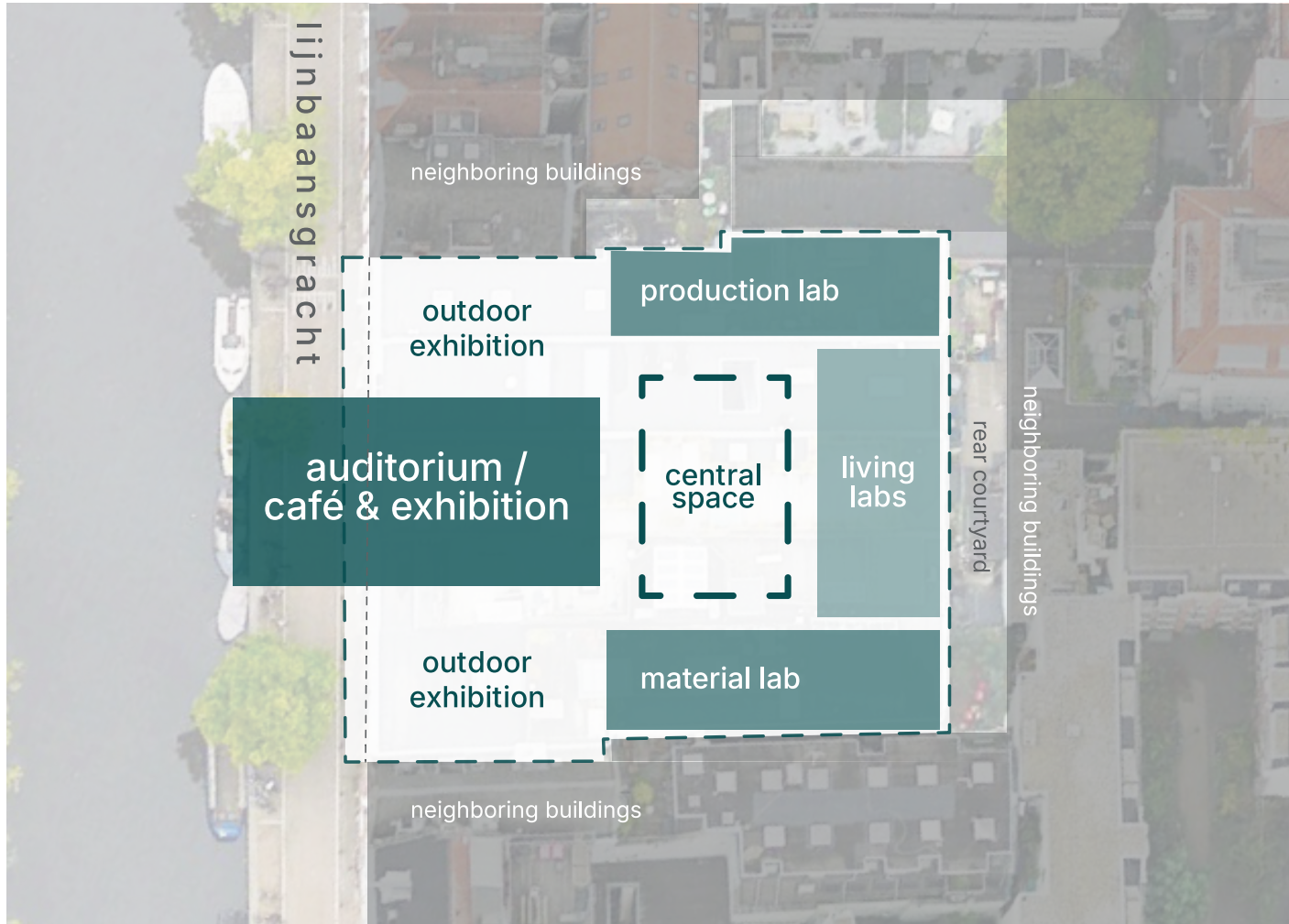


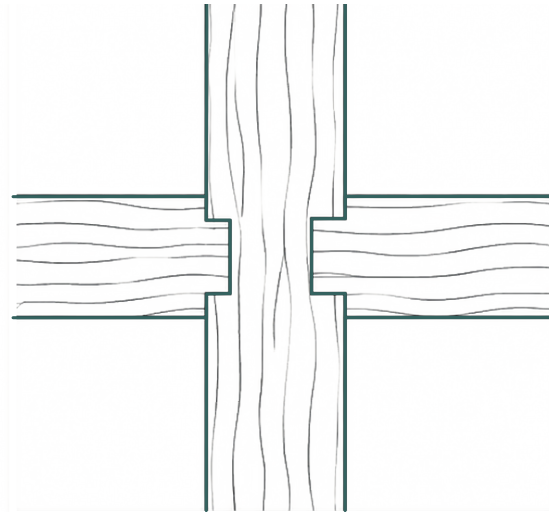




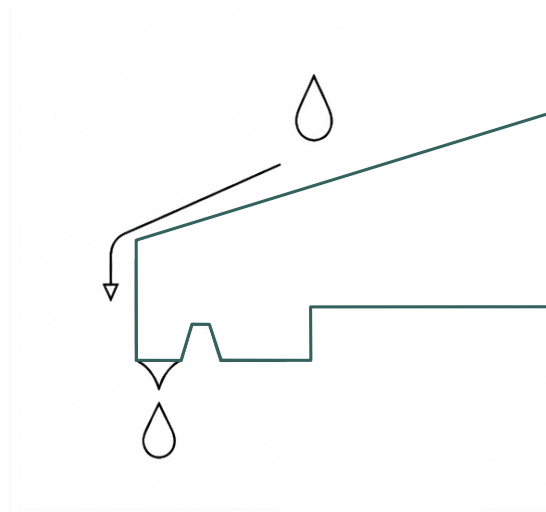








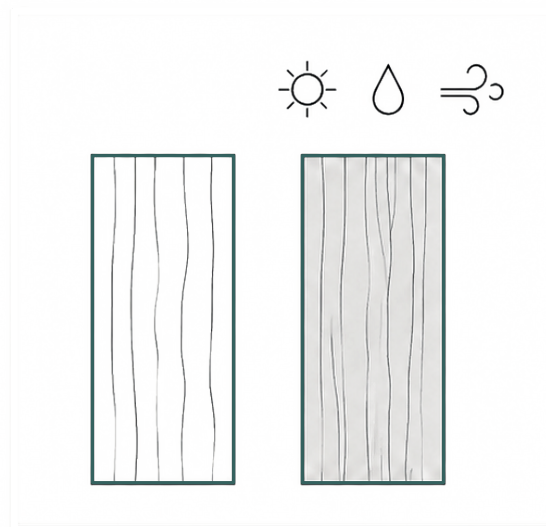
position 1 | joining over bonding



position 2 | timber performs through informed detailing



position 3 | timber is urban



position 4 | ageing is not a defect

timber knowledge matrix

01 program

- central orientation space
- collective gathering space

02 addressed misconception

timber shapes collective public space

03 construction system

- glulam post and beam structure
- shallow pitched roof

04 connection logic

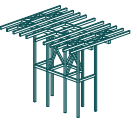
05 exposure and legibility

- legible load distribution layers
- partial exposure to elements

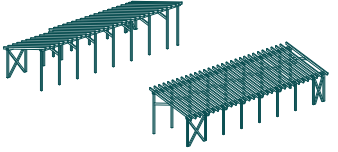
06 material strategy

07 assembly

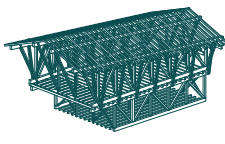
08 protection and detailing strategy



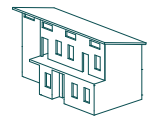
canopy



workshops



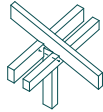
auditorium



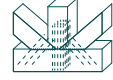
living labs



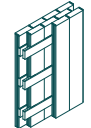
- layered beam intersections
- cross-lap joint



- double sided timber clamp connection between beams to column,
- rafters on beams: birdsmouth joint



trusses: interlocking toothed joints with concealed screw reinforcement



multifunctional layers



glulam larch



- construction: solid douglas fir
- cladding: larch shingles (split) and douglas fir, untreated



- construction: glulam spruce and baubuche
- cladding: poplar (top), larch (bottom), untreated



- construction: spruce, visible
- cladding: untreated larch, thermally modified pine, pre-greyed douglas fir (KEIM)



on-site



skeleton first, followed by pre-fabricated facade modules



pre-fabricated trusses craned on site

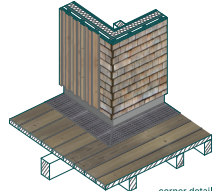


pre-fabricated holzius elements, on-site assembly



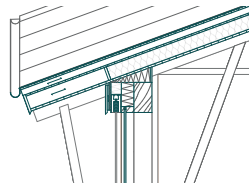
atmospheric quality of the canopy

- roof protects beam intersections
- central roof drainage
- separated from enclosed volumes



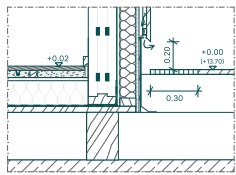
corner detail

- orientation specific, rear-ventilated, vertical facade cladding
- splash-water protection zone
- recessed structural frame behind replaceable facade layer



auditorium side detail

- deep eaves regulate exposure
- in wall plane integrated solar protection
- rear-ventilated, vertical facade cladding
- predictable charring behaviour



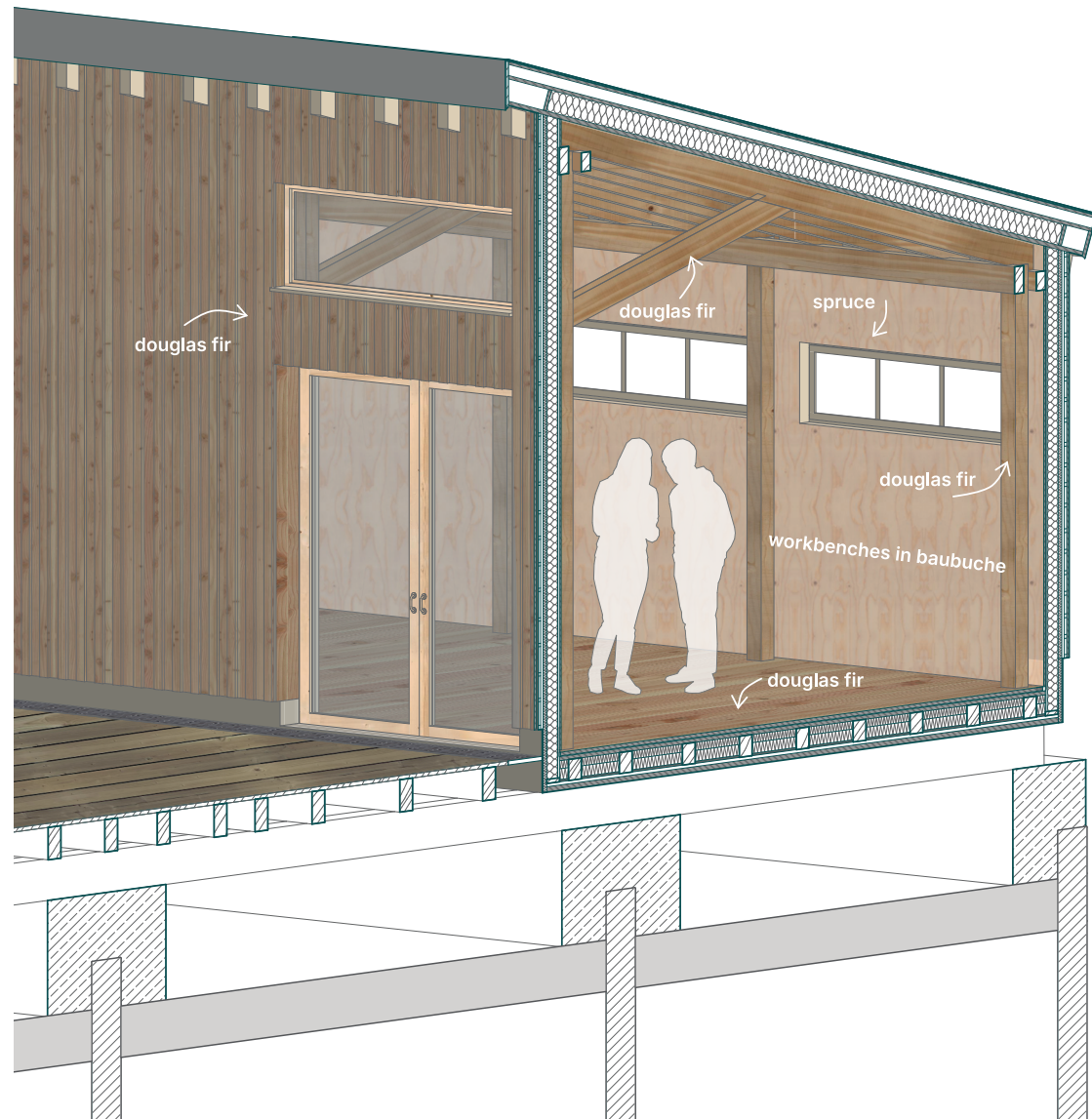
L1 | plinth detail, 1:10

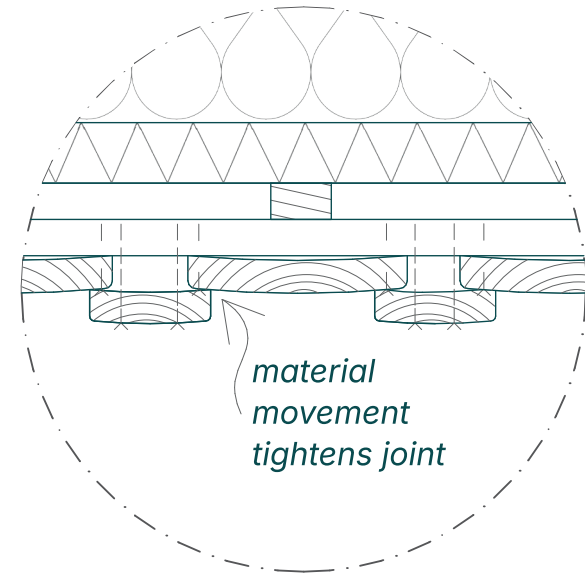
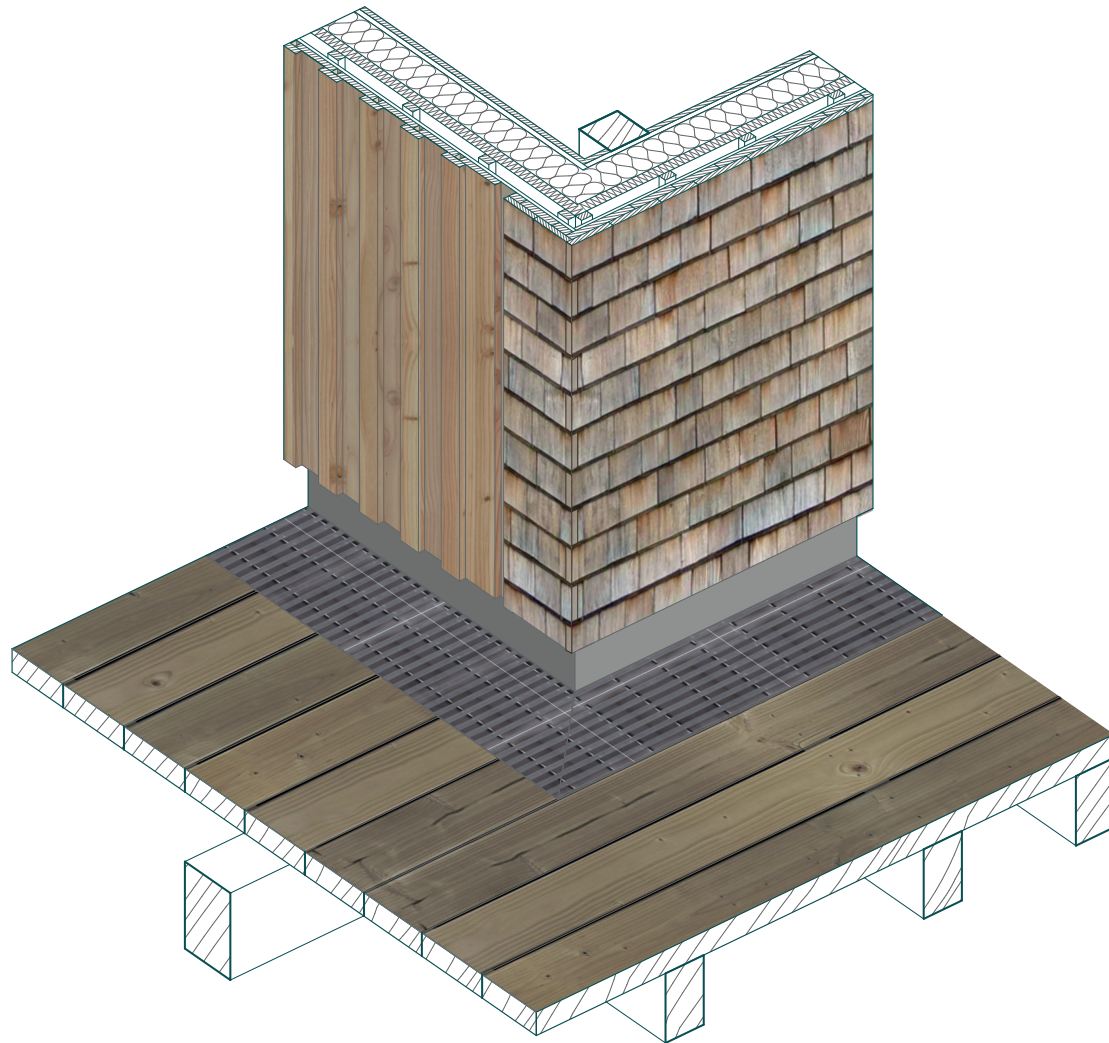
- internally exposed structure
- rear-ventilated, vertical facade cladding
- splash-water protection zone
- predictable charring behavior

point of encounter 02: the central space



point of encounter 03: the production and material labs

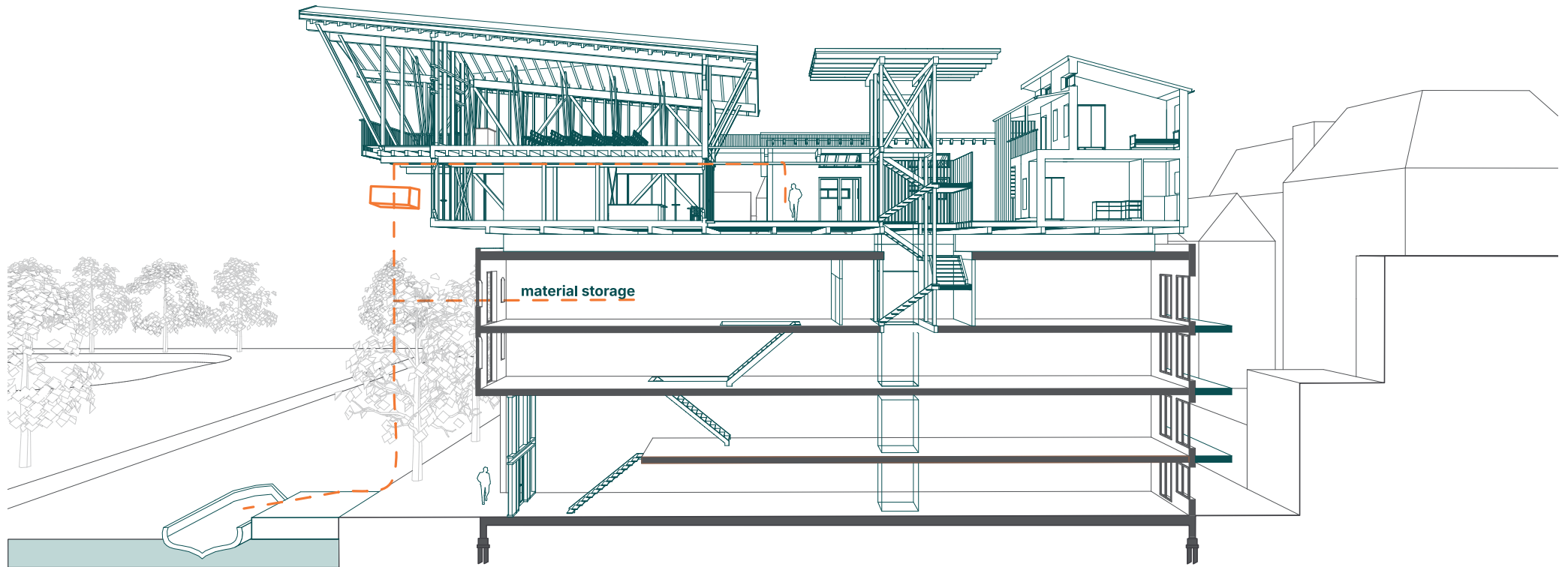


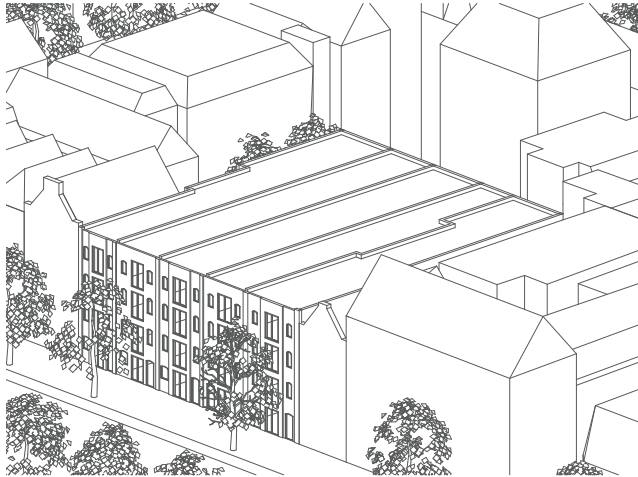




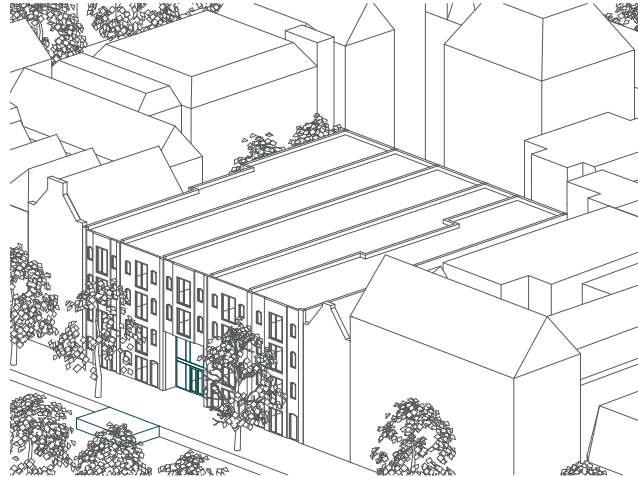




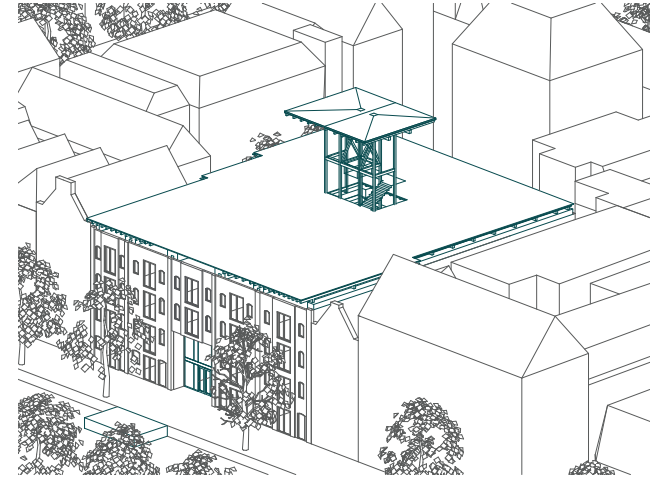




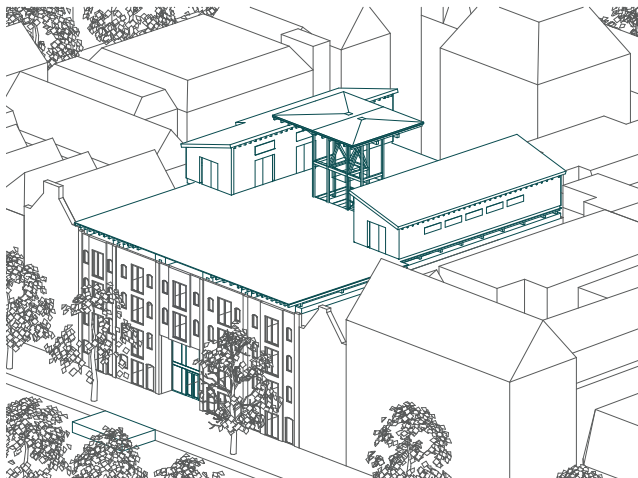
existing ensemble



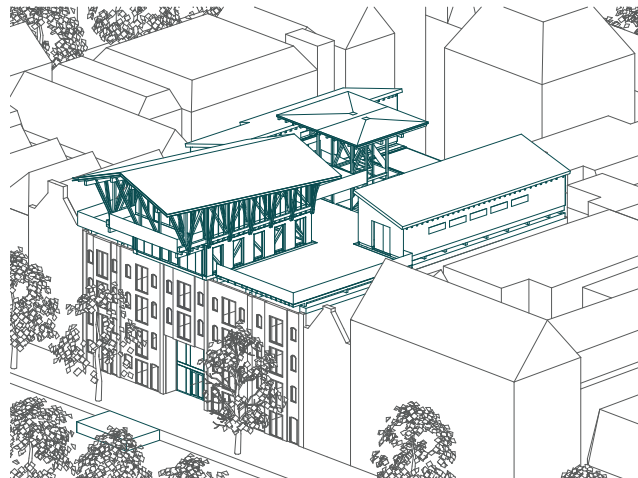
canal-side street space extension and entrance adaptation



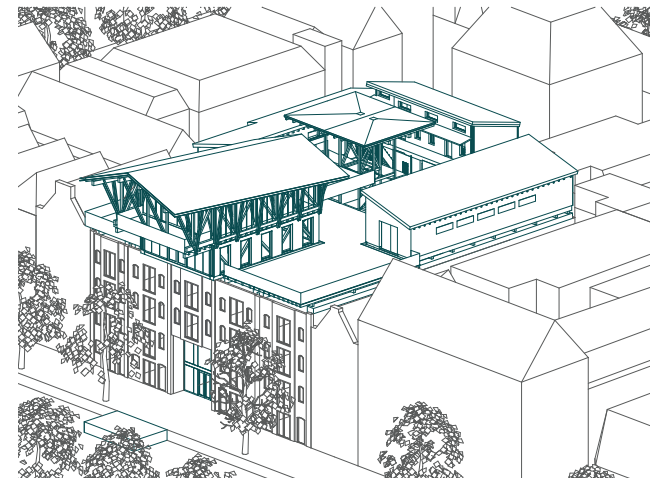
platform access core and canopy



adding production and material lab



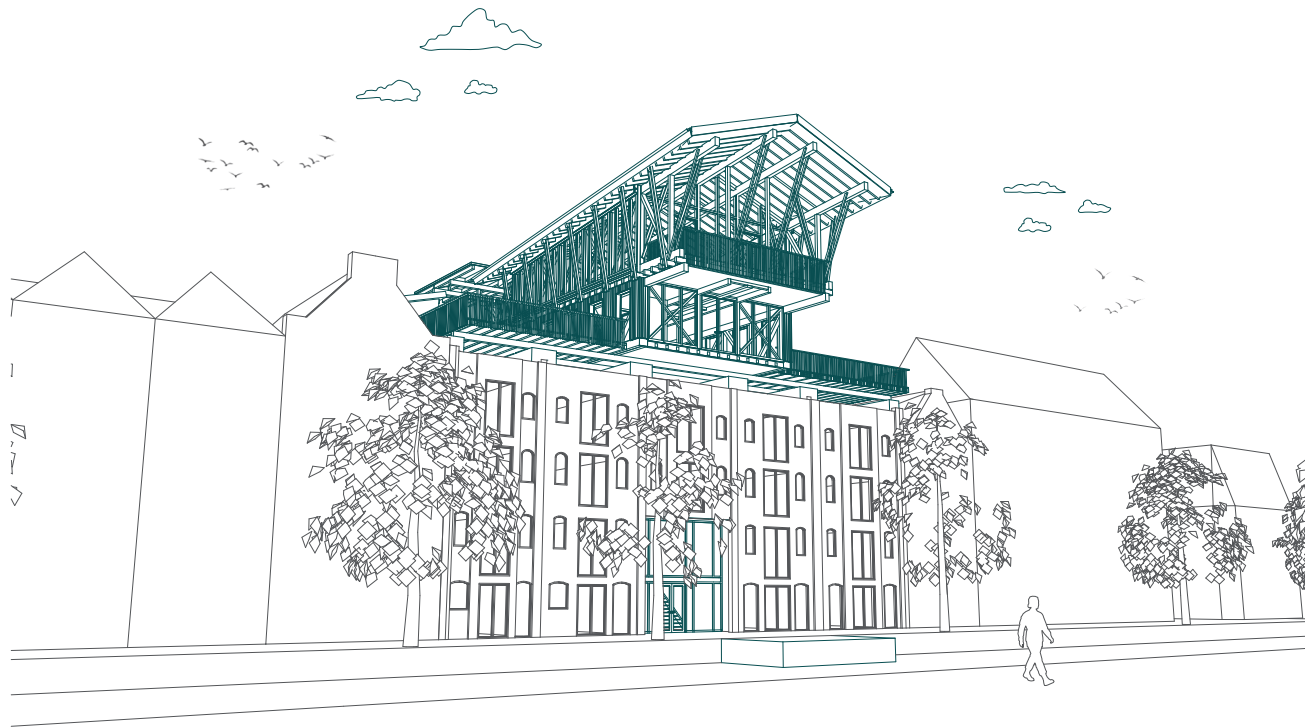
adding cantilever with integrated material transport



adding living labs as final inhabitation layer







***...if misconceptions are shaped
through experience, they can also be
challenged through experience!***