



Technische Hochschule Augsburg

Faculty of Architecture & Civil Engineering
Study program Master E2D

M9 Methodik des energieeffizienten Entwerfens

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Lukas Hofmeister

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ushirika wa neema



Montessori Academy Tanzania

Masterplan

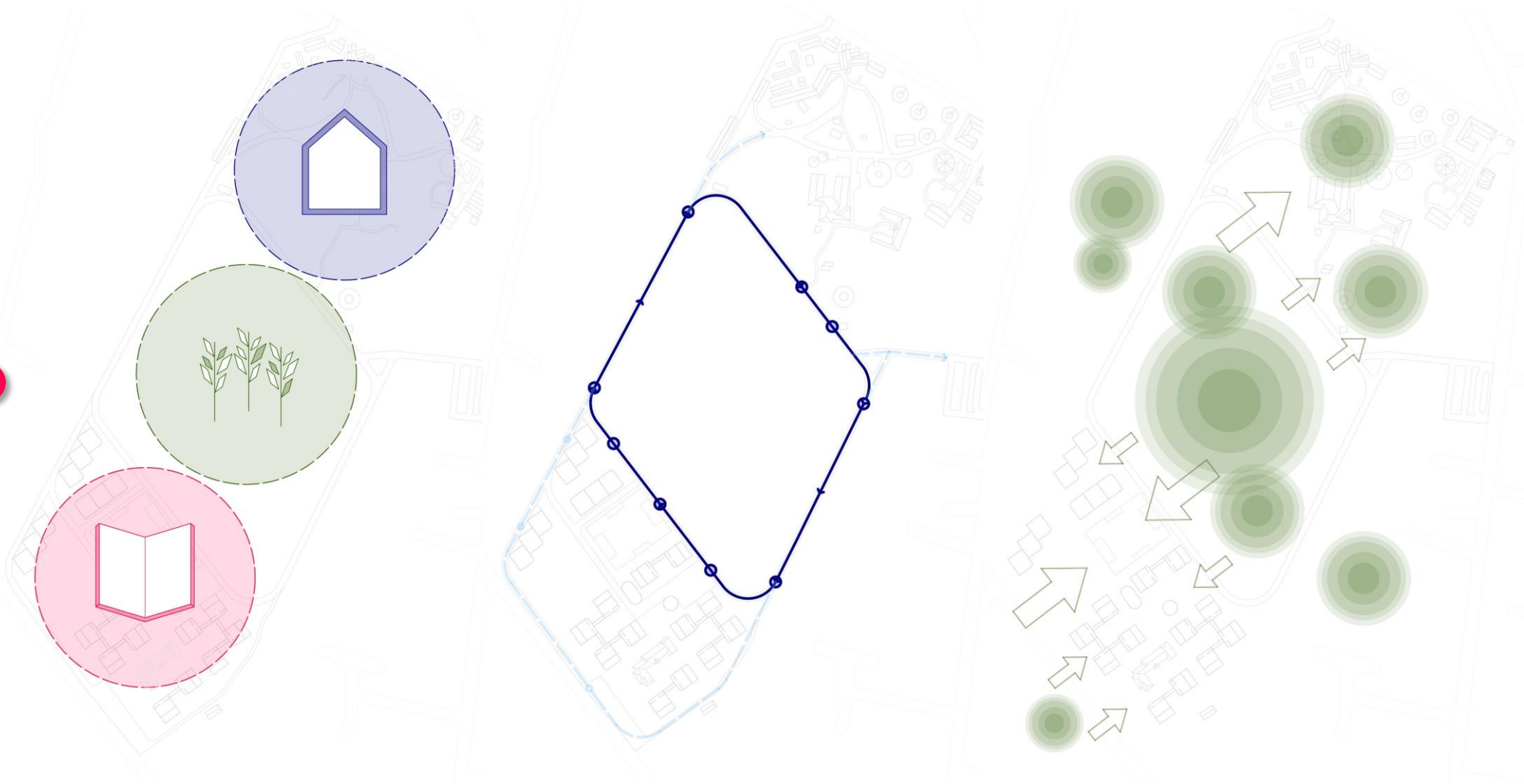
Organization

Concept

Zoning

Path system

Green spaces



Development plan

Concept

Organization

Masterplan



- W Residential areas
- M Mixed areas
- G Commercial areas
- S Special areas

- S Green areas
- Agriculture and forest
- Ristrictions on use
- Boarder

- † Culture
- 🏃 Sports
- 👥 Sozial meeting
- 🏠 Buildings

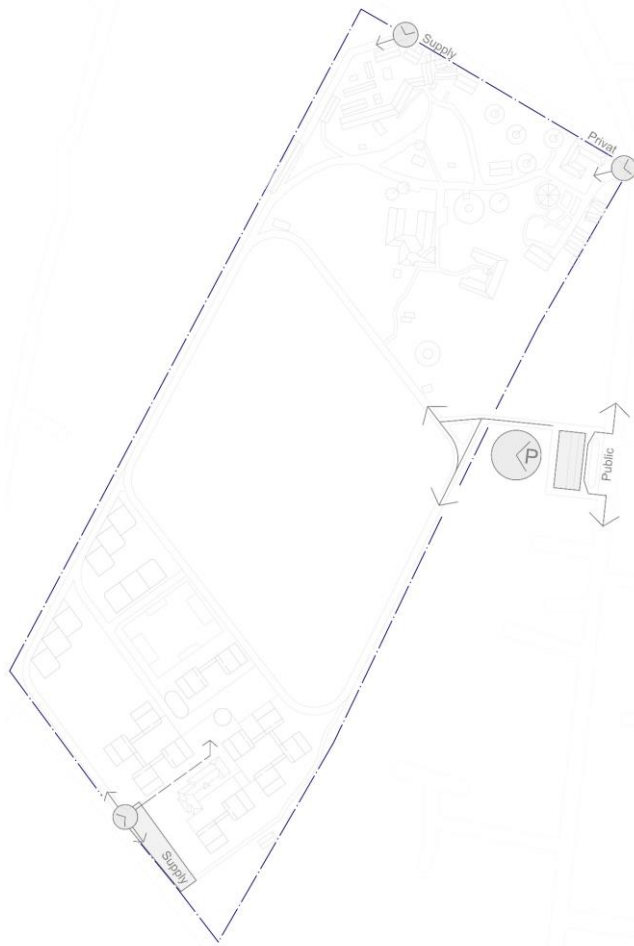
- P Utility systems - Parking
- Utility systems - Streets
- ⚡ Electrical facility
- 💧 Water storage

Organization

Development

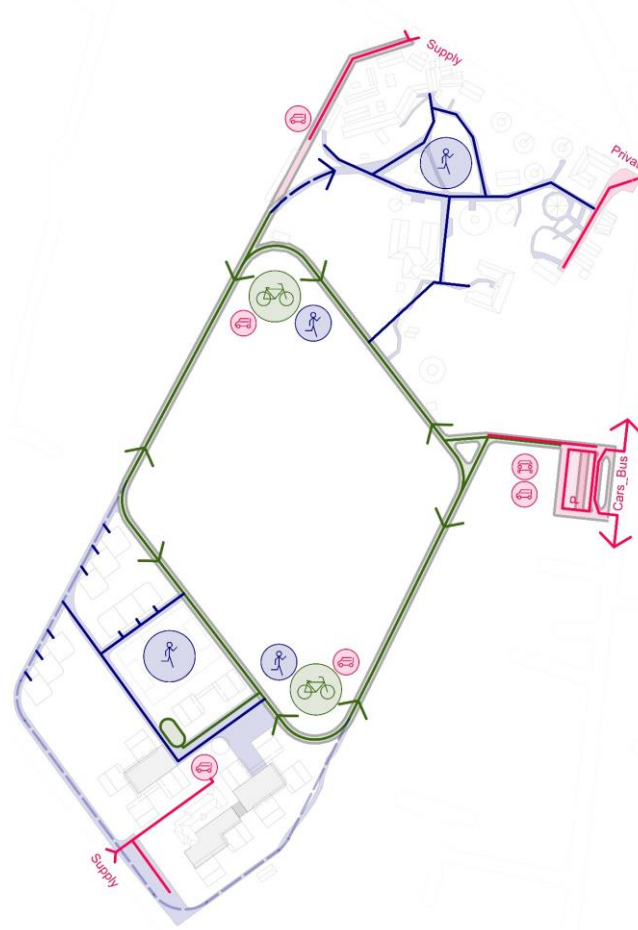
Concept

Access



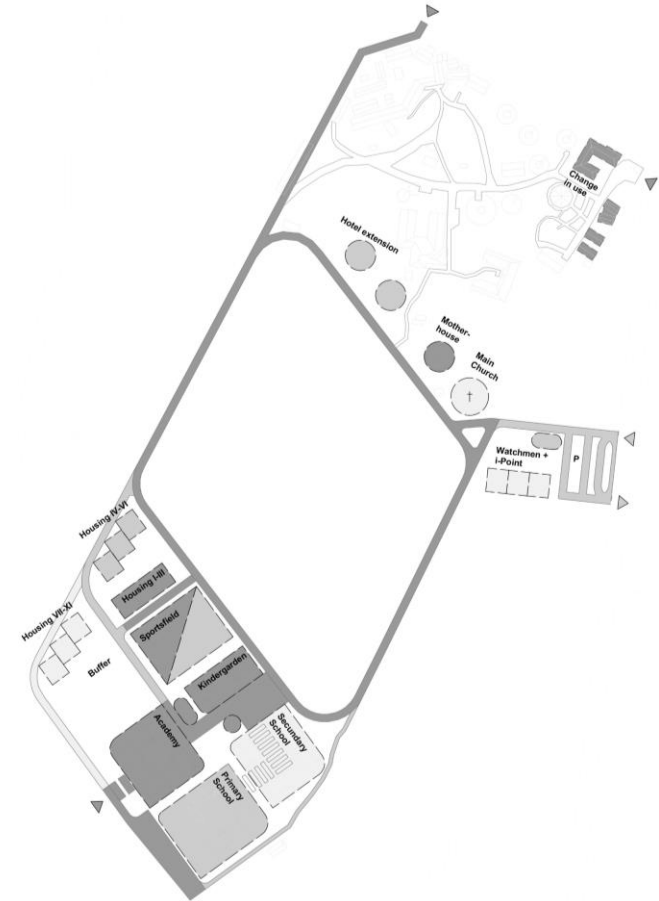
- Boarder
- Entrance / Exit

Mobility



- Bicycle area
- Pedestrian area
- Car delivery

Development



- Time horizon 1 - Near future
- Time horizon 2 - Middle future
- Time horizon 3 - Far future
- Buildings

Concept



Organization



Masterplan



Development



Architecture



- Concept
- Organization
- Masterplan**
- Development
- Architecture



Visual Coding Academy

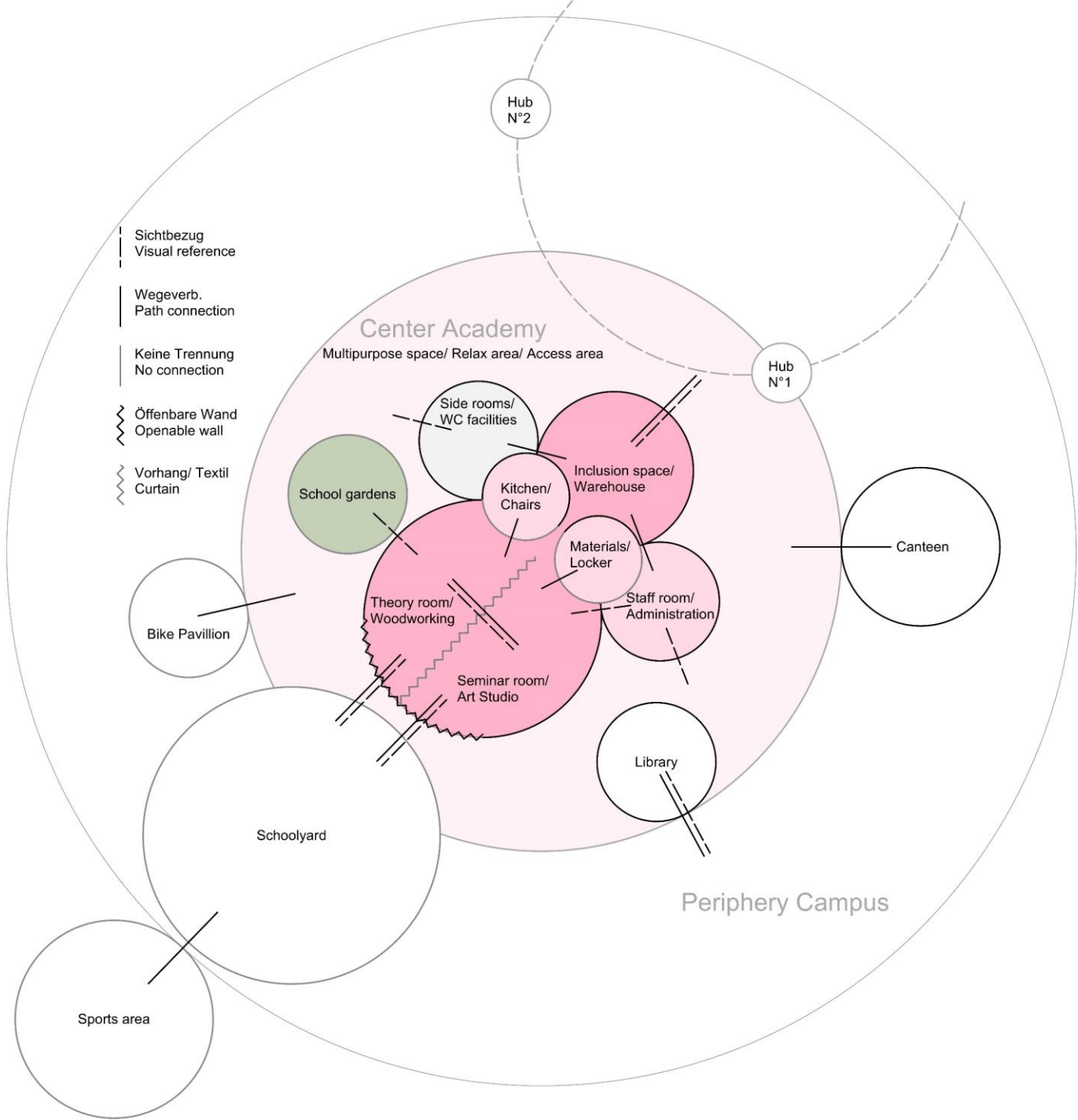
Organization

Masterplan

Development

Architecture

Water



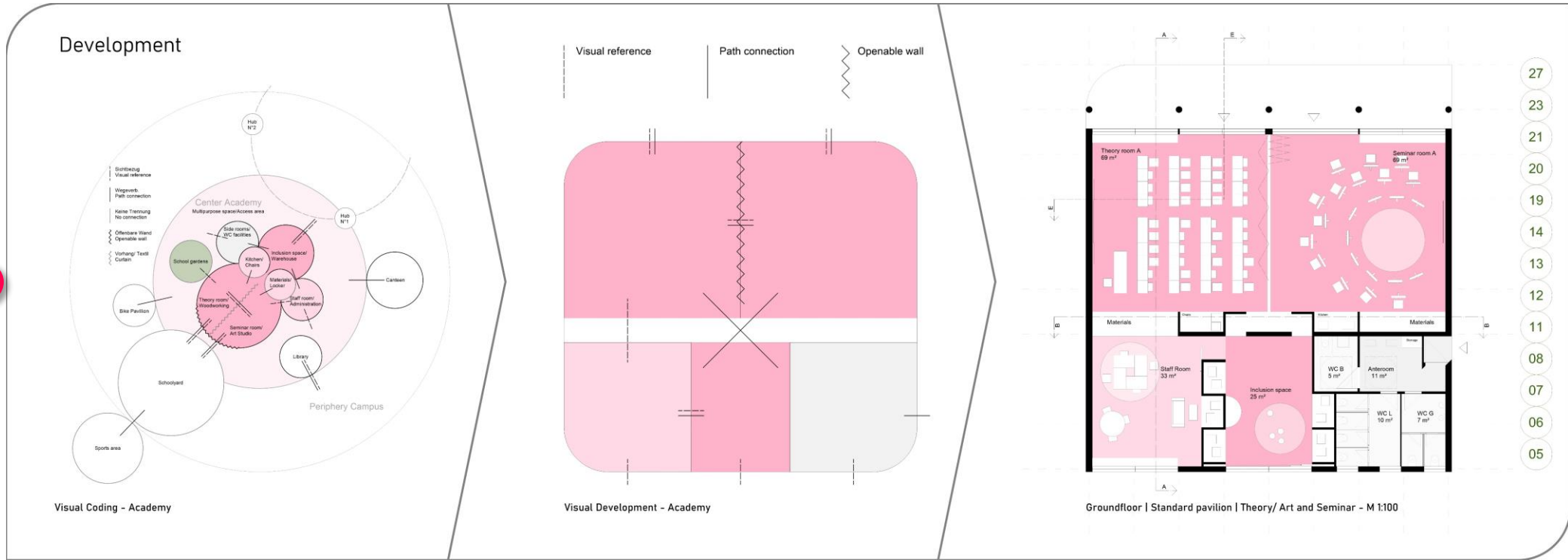
Organization

Masterplan

Development

Architecture

Water



Masterplan



Development



Architecture



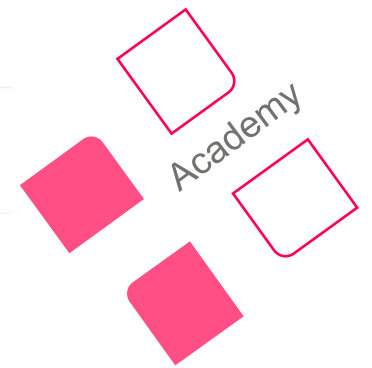
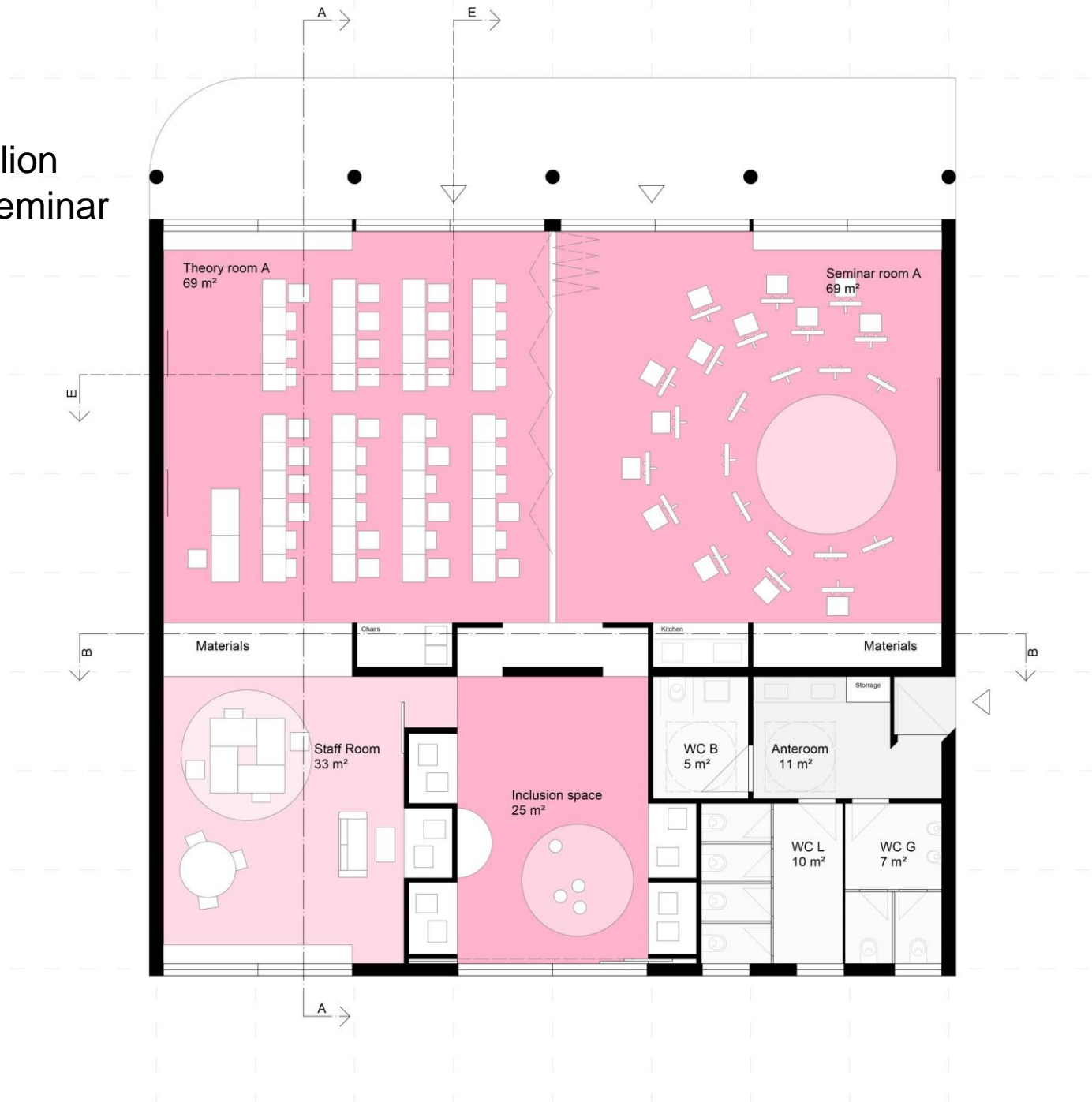
Water



Energy



Groundfloor Standard pavilion Theory and Seminar



Masterplan



Views A and B Standard pavilion

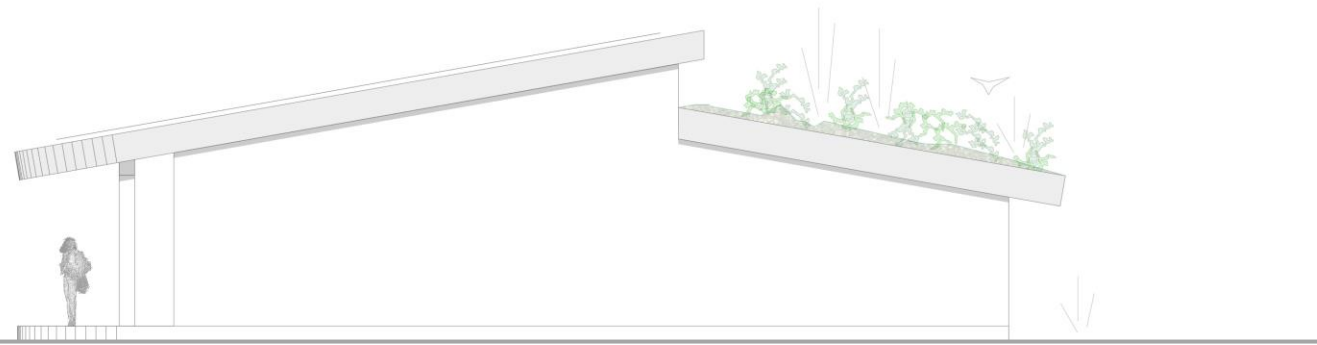
Development



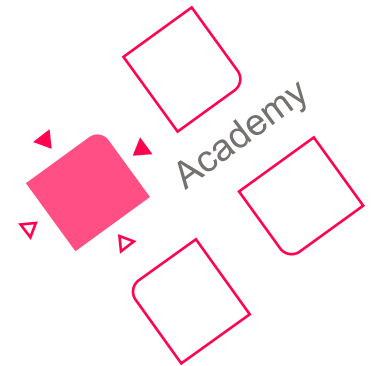
Architecture



Water



Energy



Masterplan



Views C and D Standard pavilion

Development



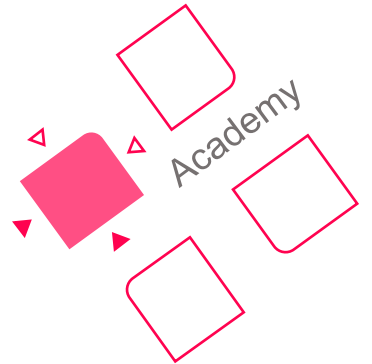
Architecture



Water



Energy



Masterplan

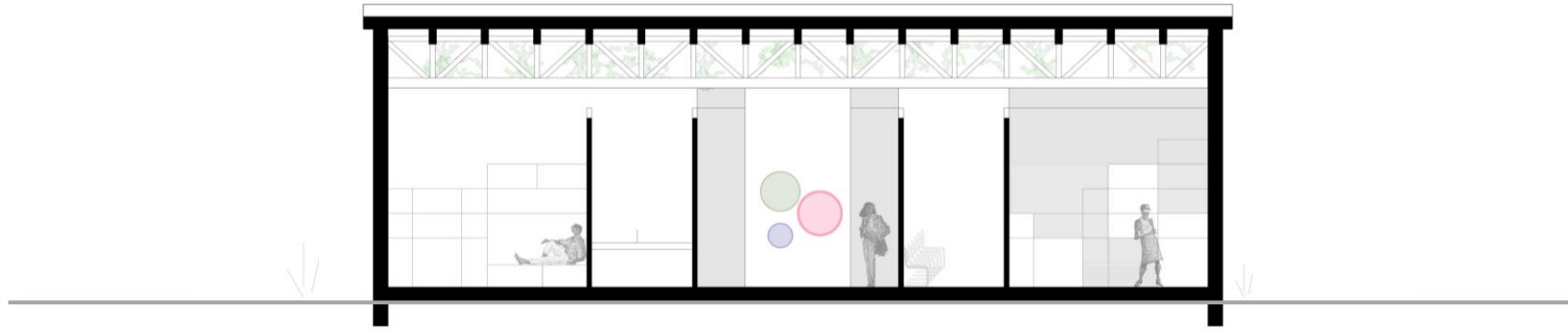


Sections A and B Standard pavillon

Development



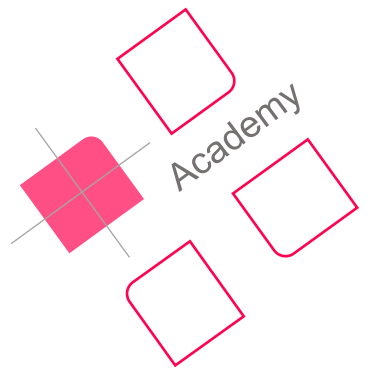
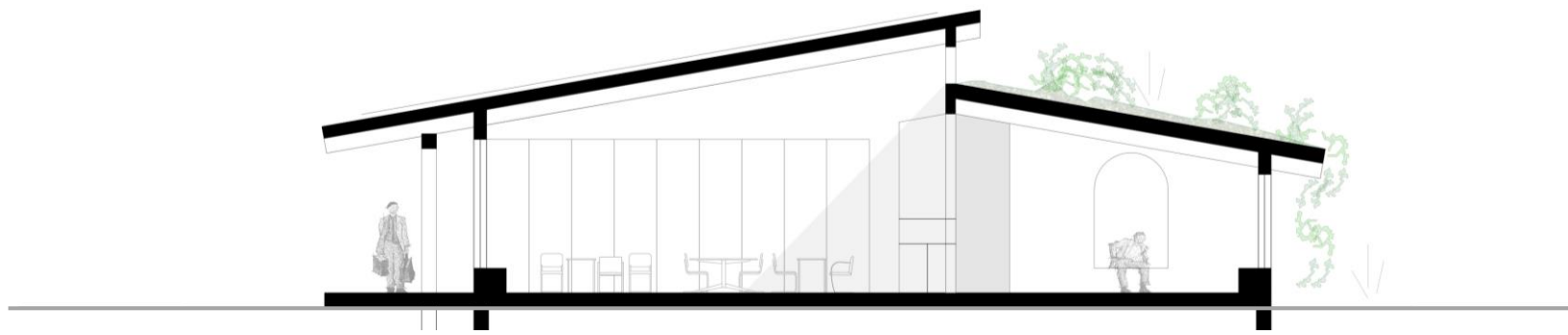
Architecture



Water



Energy



Masterplan



Development



Architecture



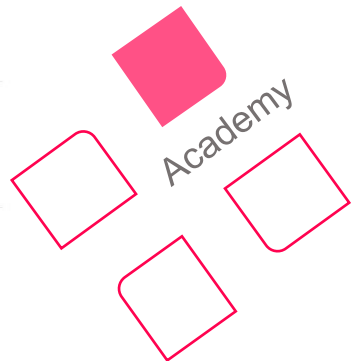
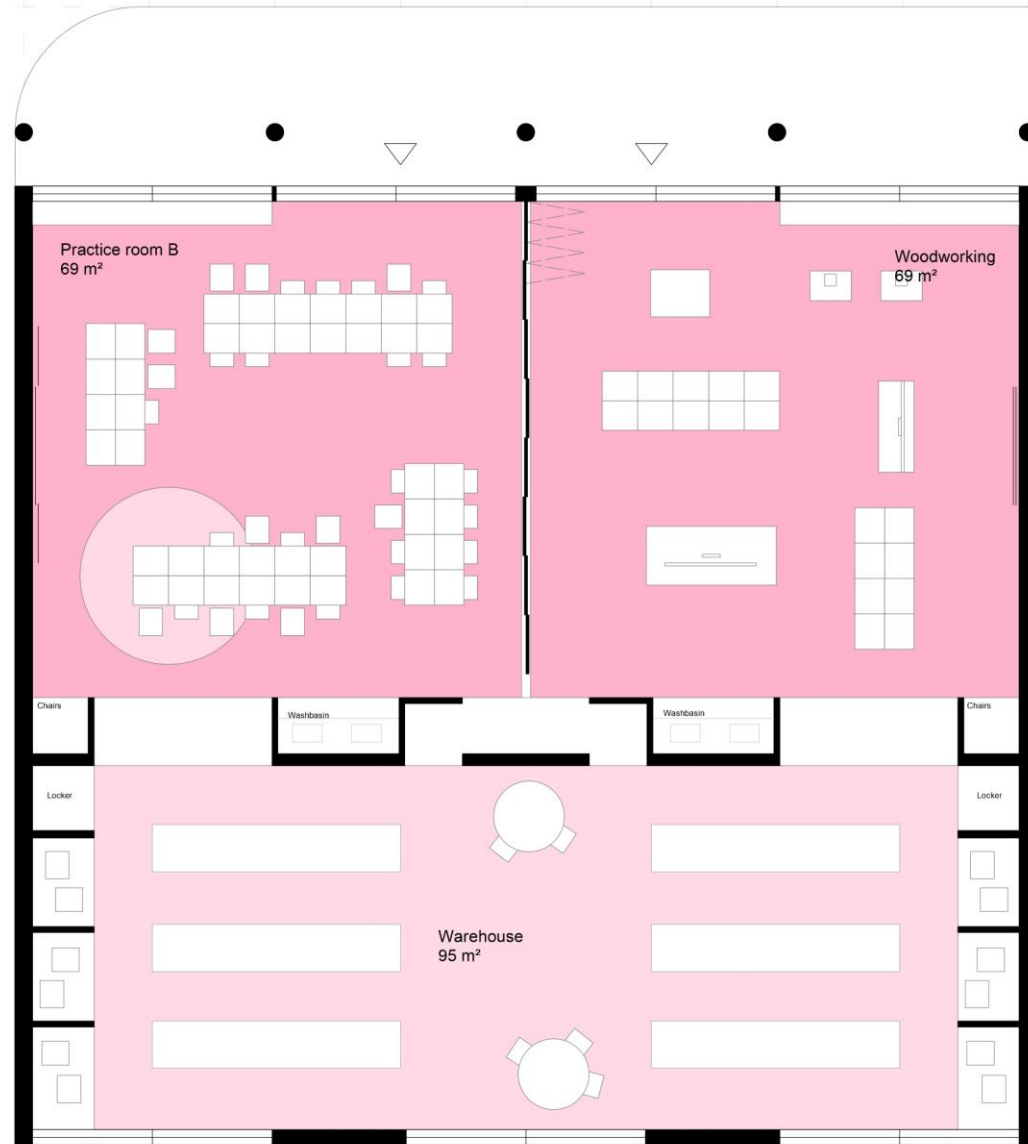
Water



Energy



Groundfloor Standard pavilion Practice and Woodwork



Masterplan

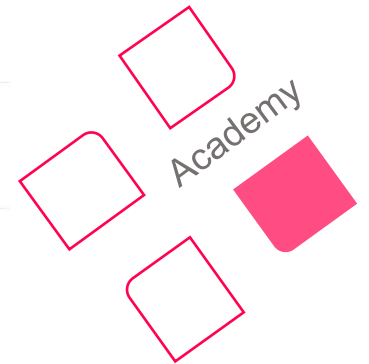
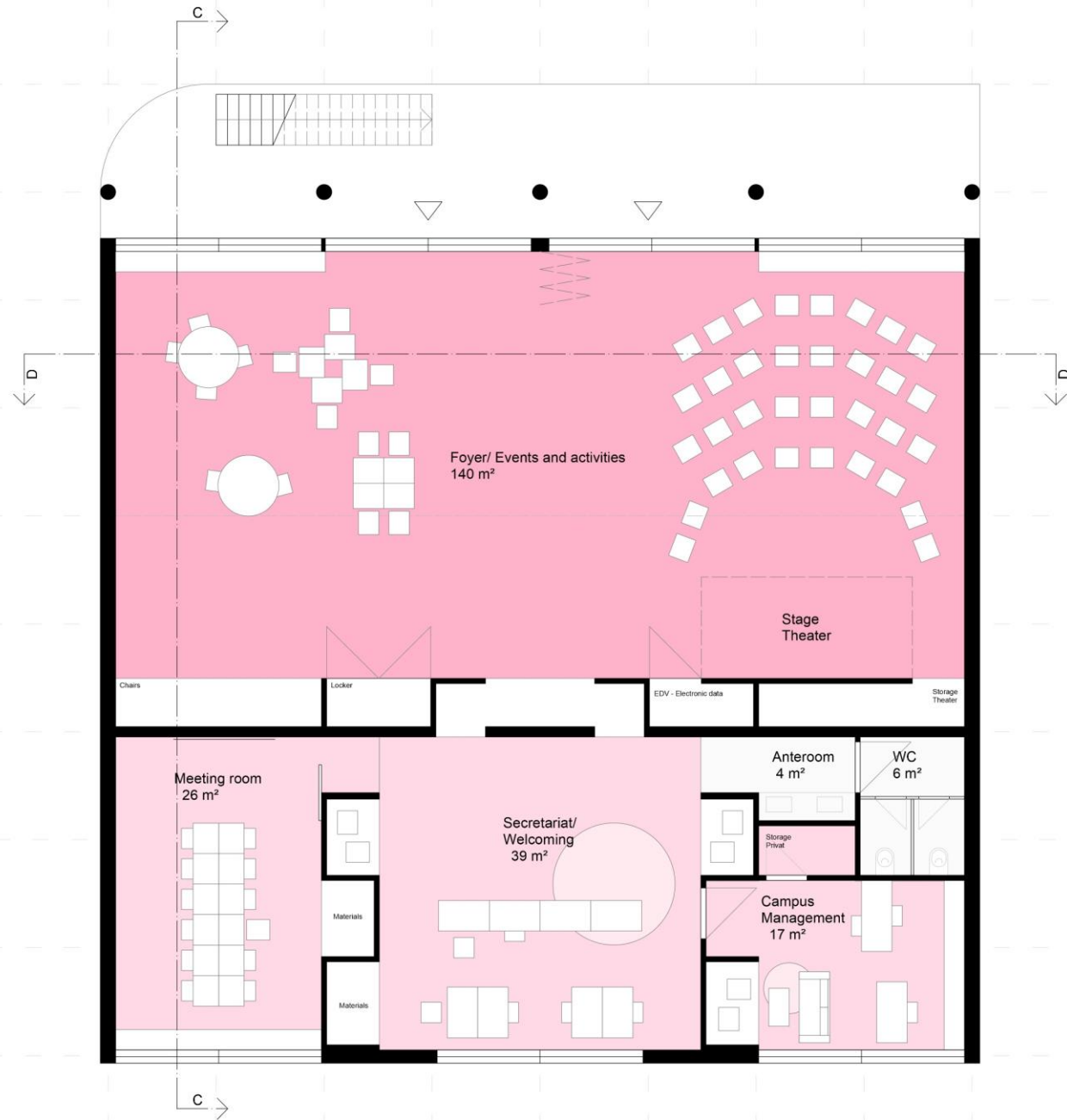
Development

Architecture

Water

Energy

Groundfloor Special pavilion Administration



Masterplan



Development



Architecture



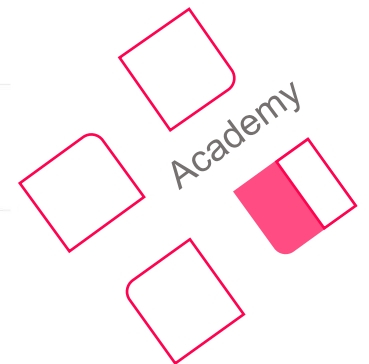
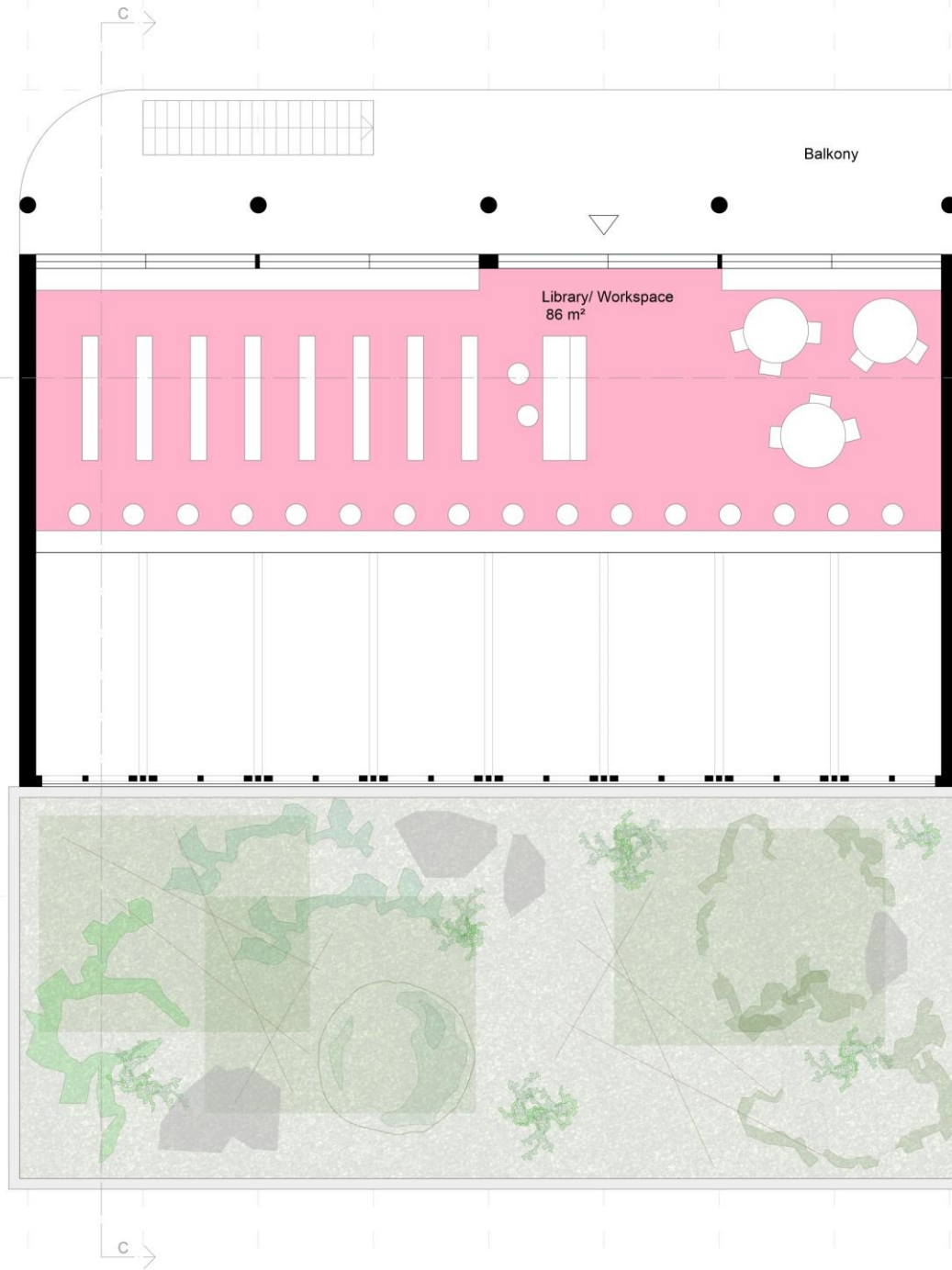
Water



Energy



Secondfloor Special pavilion Library



Masterplan



Views C and D Spezial pavillon

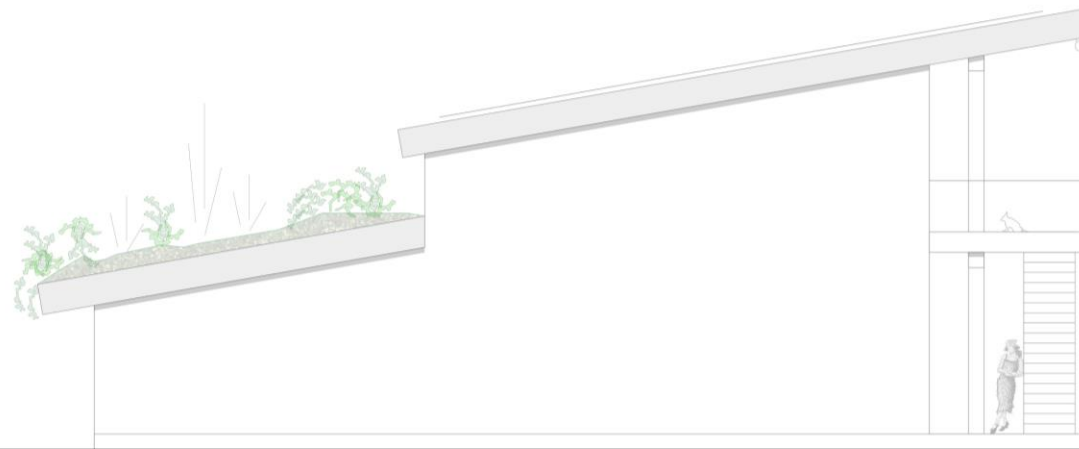
Development



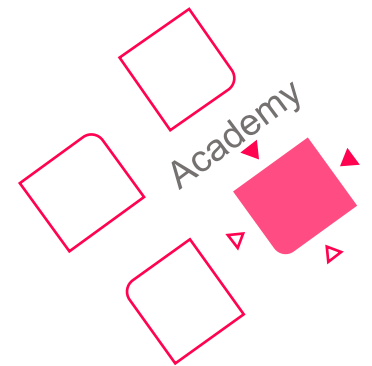
Architecture



Water



Energy



Masterplan



Development



Architecture



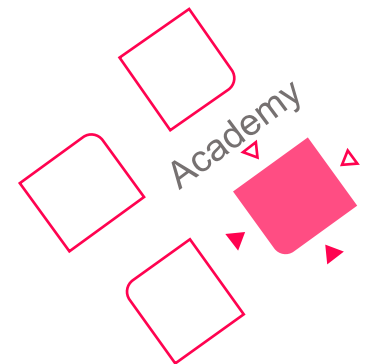
Water



Energy



Views A and B Spezial pavillon



Masterplan

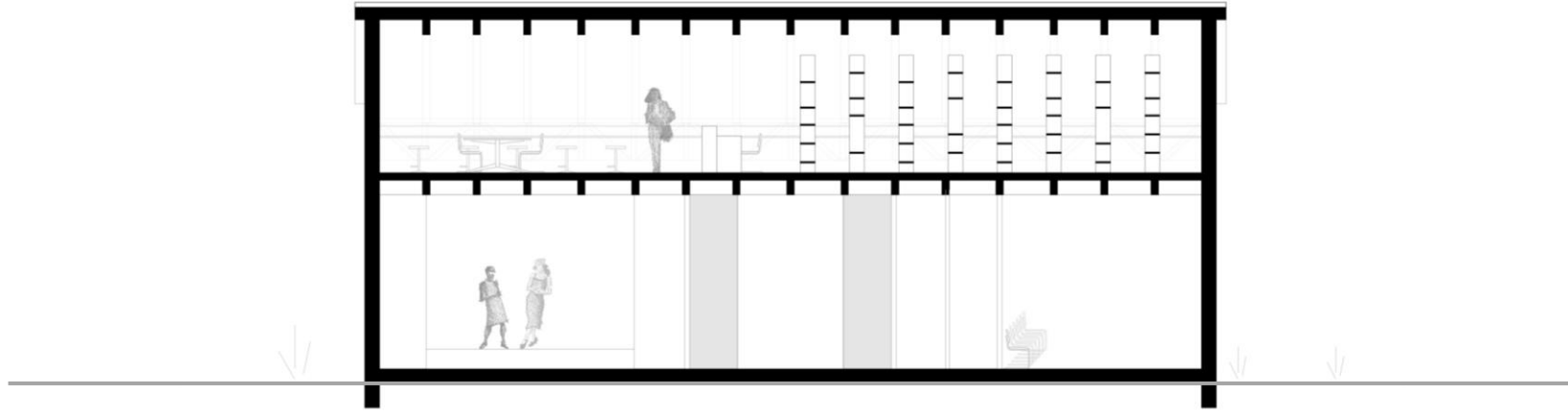


Sections C and D Spezial pavillon

Development



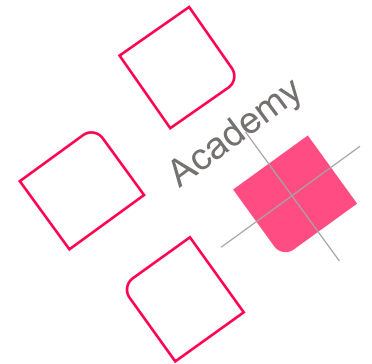
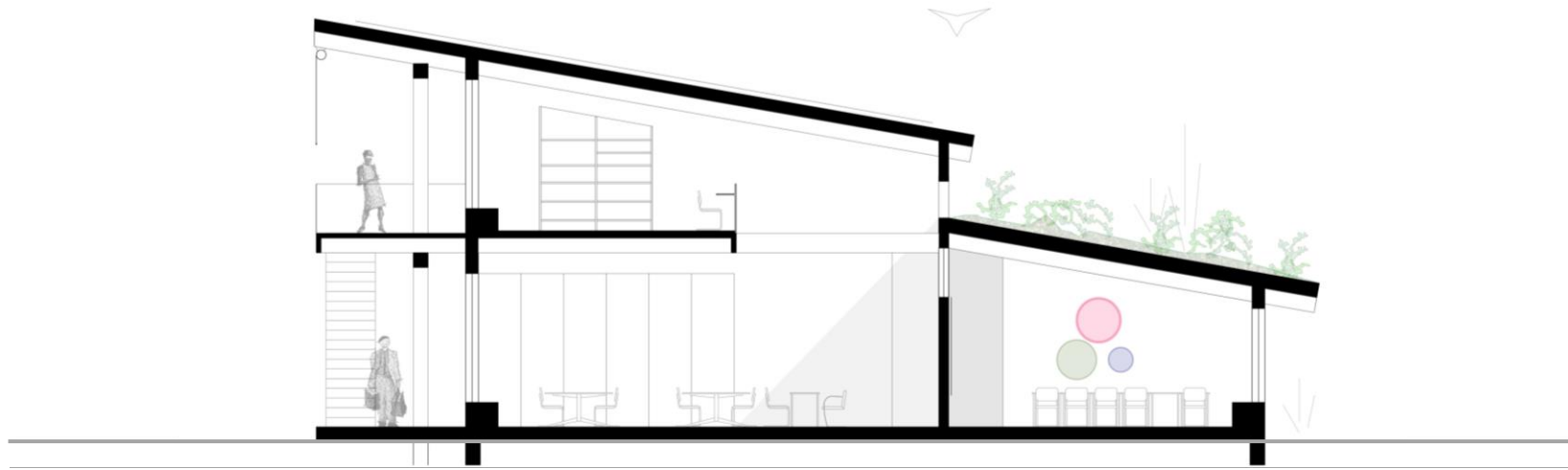
Architecture



Water



Energy



Water management

Development



Architecture



Water



Energy



Details



Energy conception

Architecture

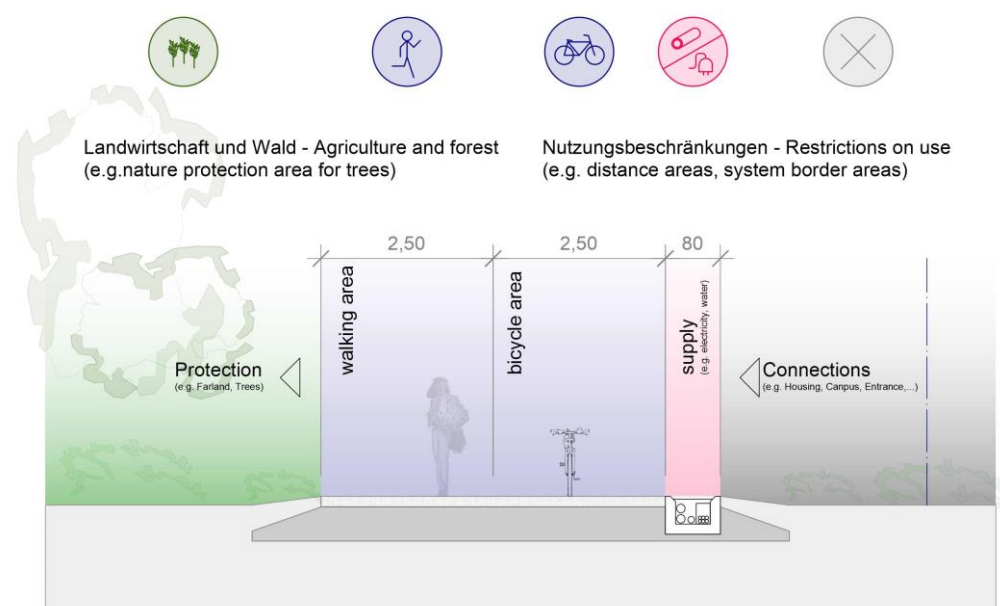
Water

Energy

Details



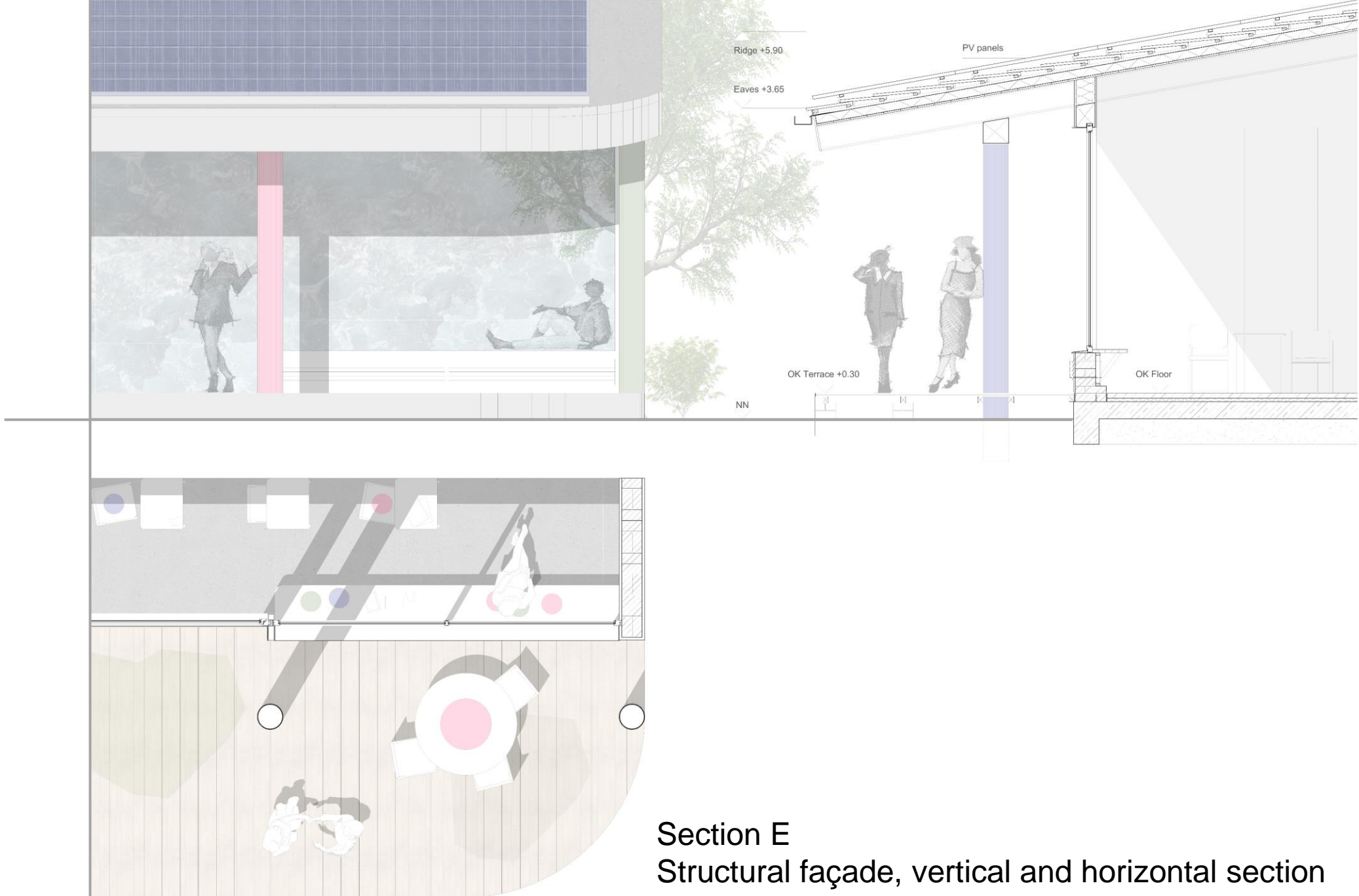
Street section



Water

Energy

Details



Section E
Structural façade, vertical and horizontal section