



DRAWING SET  
**MULTIMODALITY FORUM  
JUNGFERNHEIDE**

Encouraging motorists to use green mobility

2022/2023

COMPLEX PROJECTS  
Bodies & Building Berlin  
AR3CP100

Steven ter Schure  
5483794

**Drawing set**

**2022/2023**  
07-07-2023

**COMPLEX PROJECTS**  
**Bodies & Building Berlin**  
**AR3CP100**

**Student**

Steven ter Schure  
5483794

**Chair**

Kees Kaan

**CP coordinator**

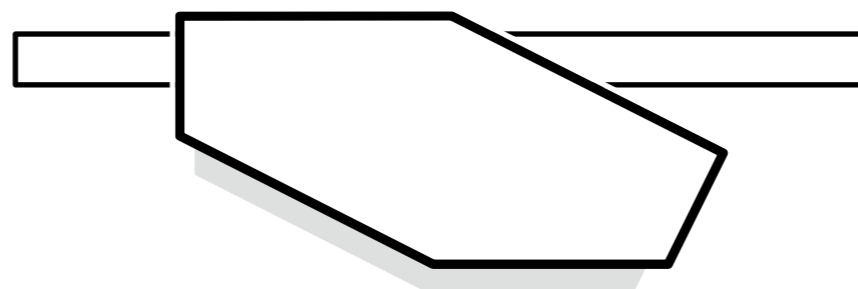
Manuela Triggianese

**Lab coordinator**

Hrvoje Smidihen

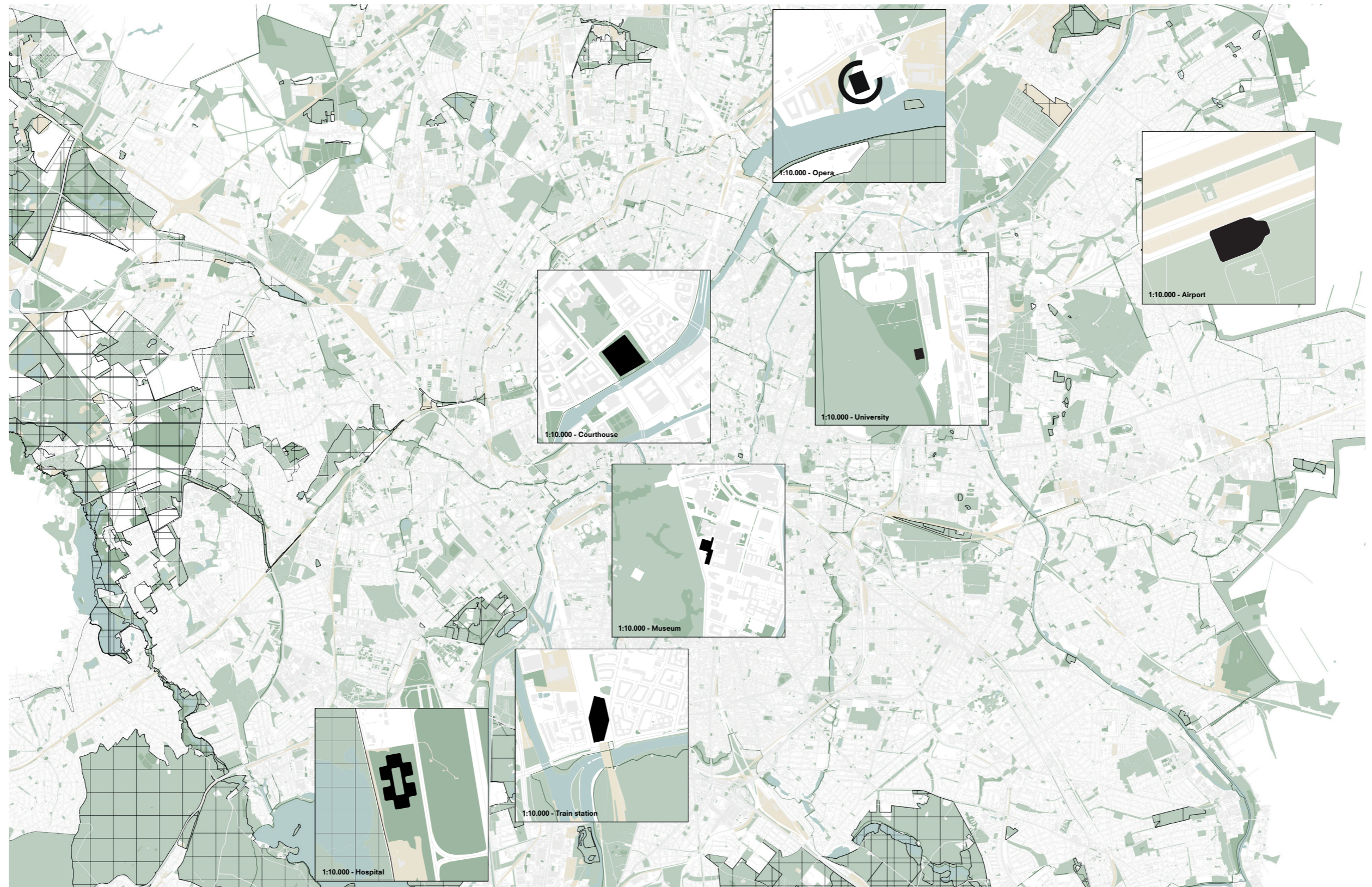
**Tutors**

Marija Mateljan  
Yagiz Söylev  
Arie Bergsma

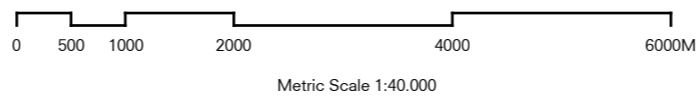


MULTIMODALITY FORUM JUNGFERNHEIDE  
**DRAWING SET**

# MULTIMODALITY JUNGFERNHEIDE

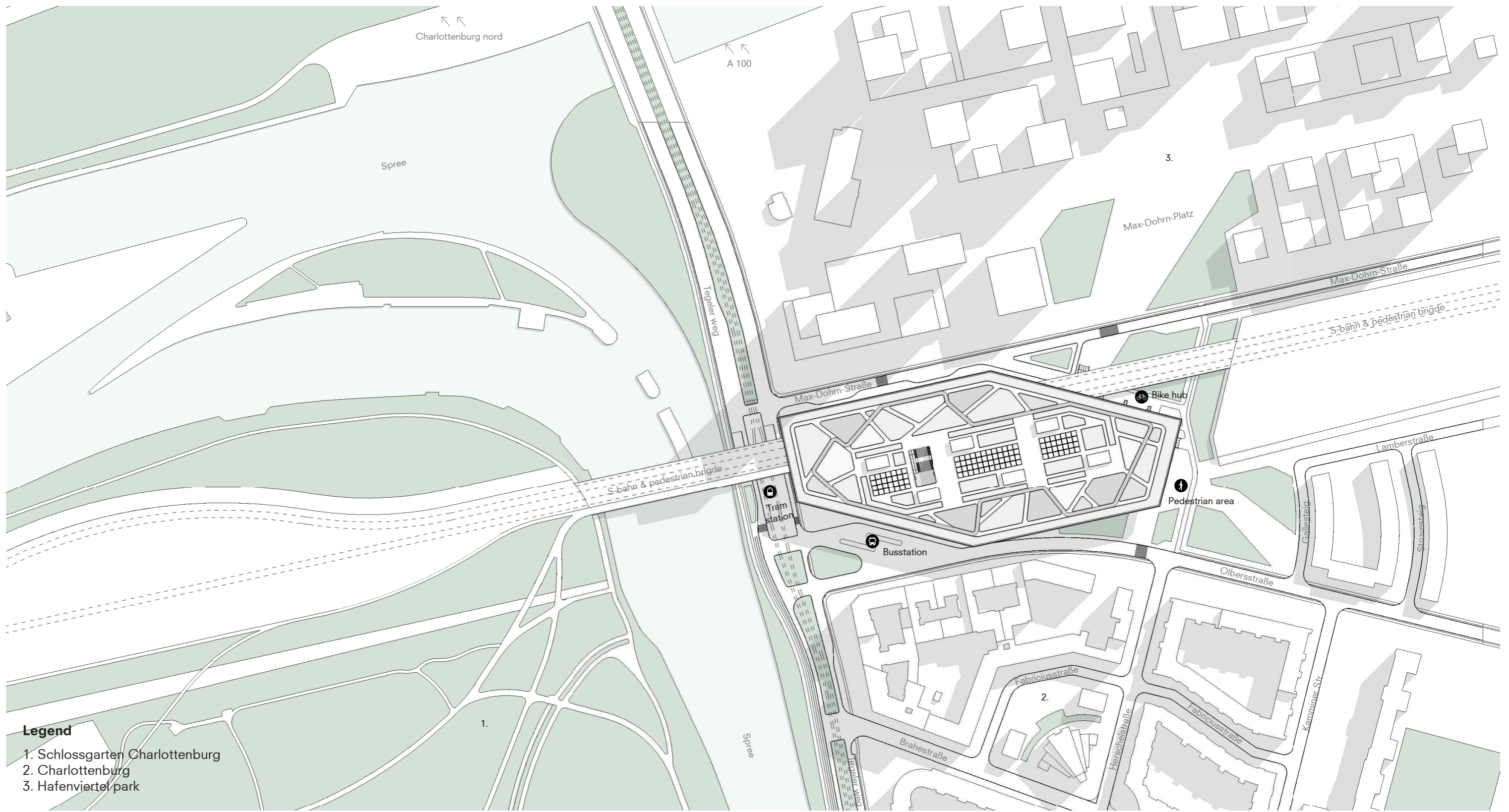


Berlin  
+0 Peil



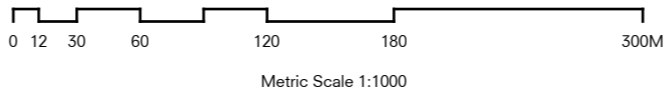
# MULTIMODALITY JUNGFERNHEIDE

## SITE PLAN



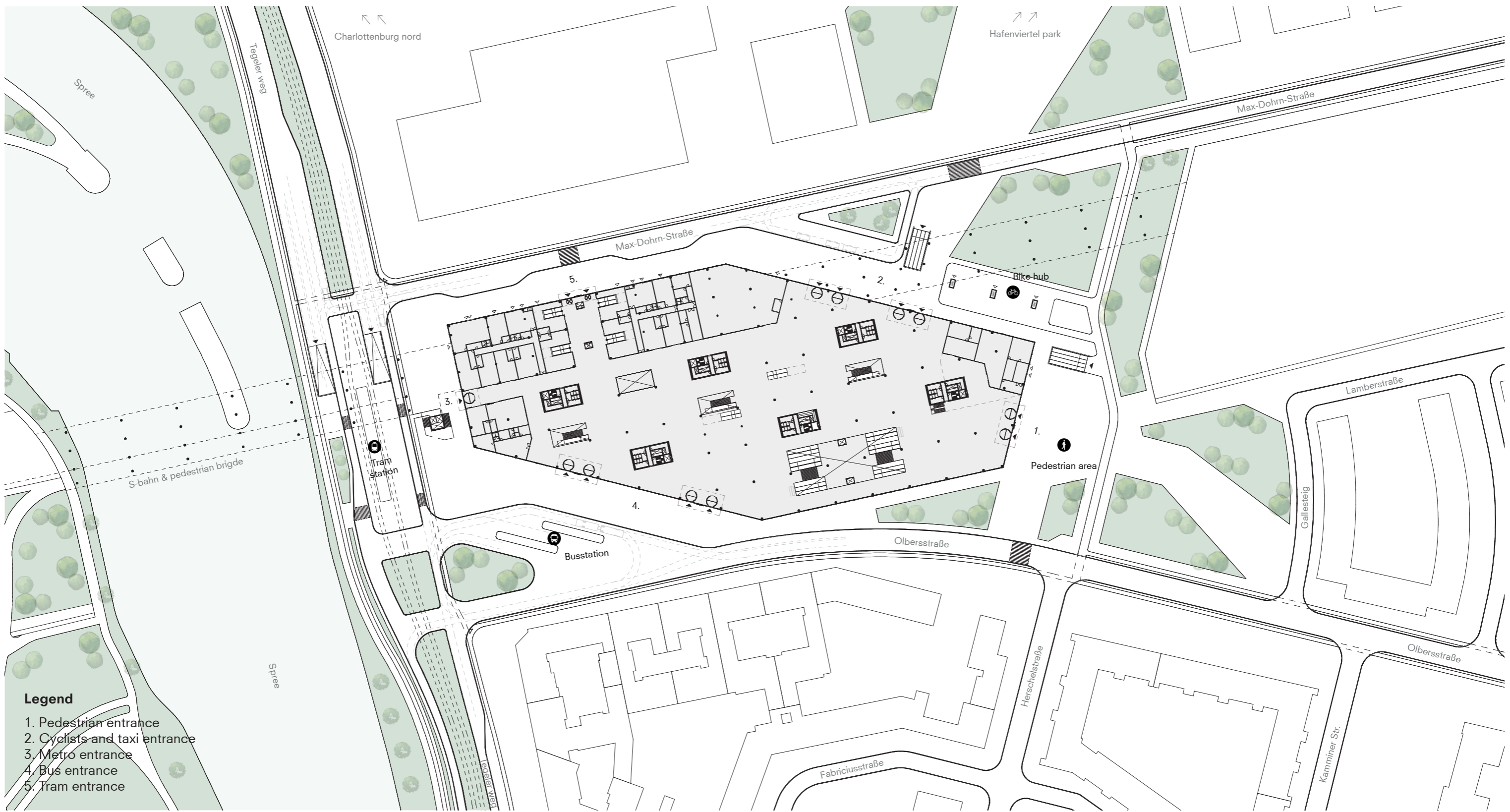
- Legend**
- 1. Schlossgarten Charlottenburg
  - 2. Charlottenburg
  - 3. Hafenviertel park

Roof plan  
P +25.000



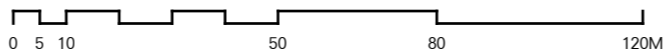
North

# MULTIMODALITY JUNGFERNHEIDE URBAN IMPLEMENTATION



- Legend**
- 1. Pedestrian entrance
  - 2. Cyclists and taxi entrance
  - 3. Metro entrance
  - 4. Bus entrance
  - 5. Tram entrance

Ground floor plan  
+0 Peil



Metric Scale 1:500



North

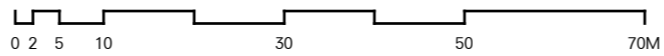
# MULTIMODALITY JUNGFERNHEIDE FLOOR PLANS



### Legend

- 1. Train
- 2. Ticket vending machines
- 3. Exhibition
- 4. Lounge
- 5. Vote area
- 6. Commercial concourse
- 7. Metro concourse
- 8. Restaurant
- 9. Café
- 10. Store
- 11. Supermarket
- 12. Storage
- 13. Guard and railway drivers
- 14. DB reisezentrum
- 15. Locker room
- 16. Bike repair shop

Ground floor plan  
+0 Peil

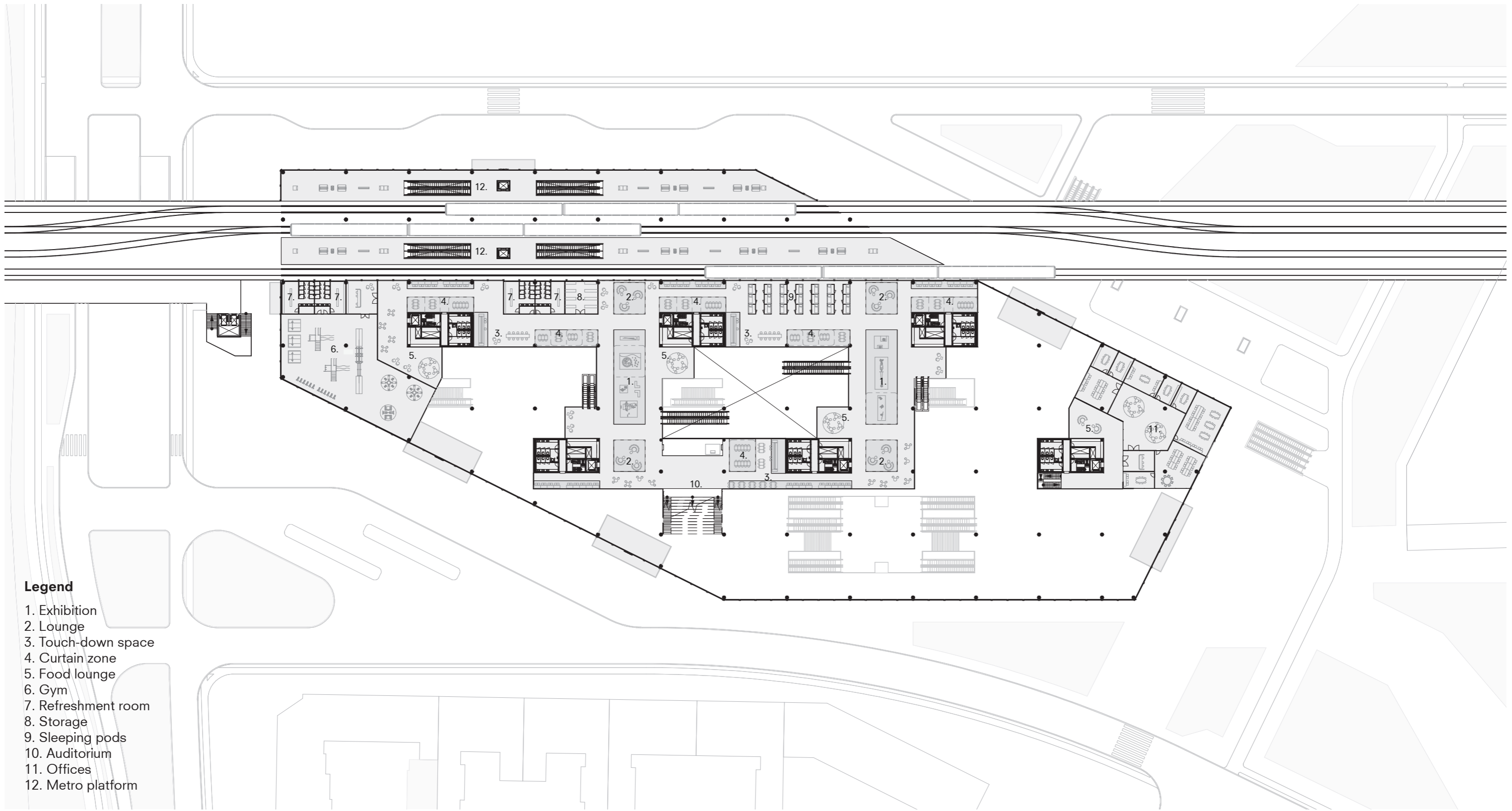


Metric Scale 1:200



North

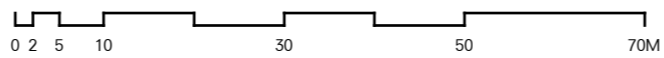
MULTIMODALITY JUNGFERNHEIDE  
**FLOOR PLANS**



**Legend**

- 1. Exhibition
- 2. Lounge
- 3. Touch-down space
- 4. Curtain zone
- 5. Food lounge
- 6. Gym
- 7. Refreshment room
- 8. Storage
- 9. Sleeping pods
- 10. Auditorium
- 11. Offices
- 12. Metro platform

**First Floor plan**  
+5.000 Peil



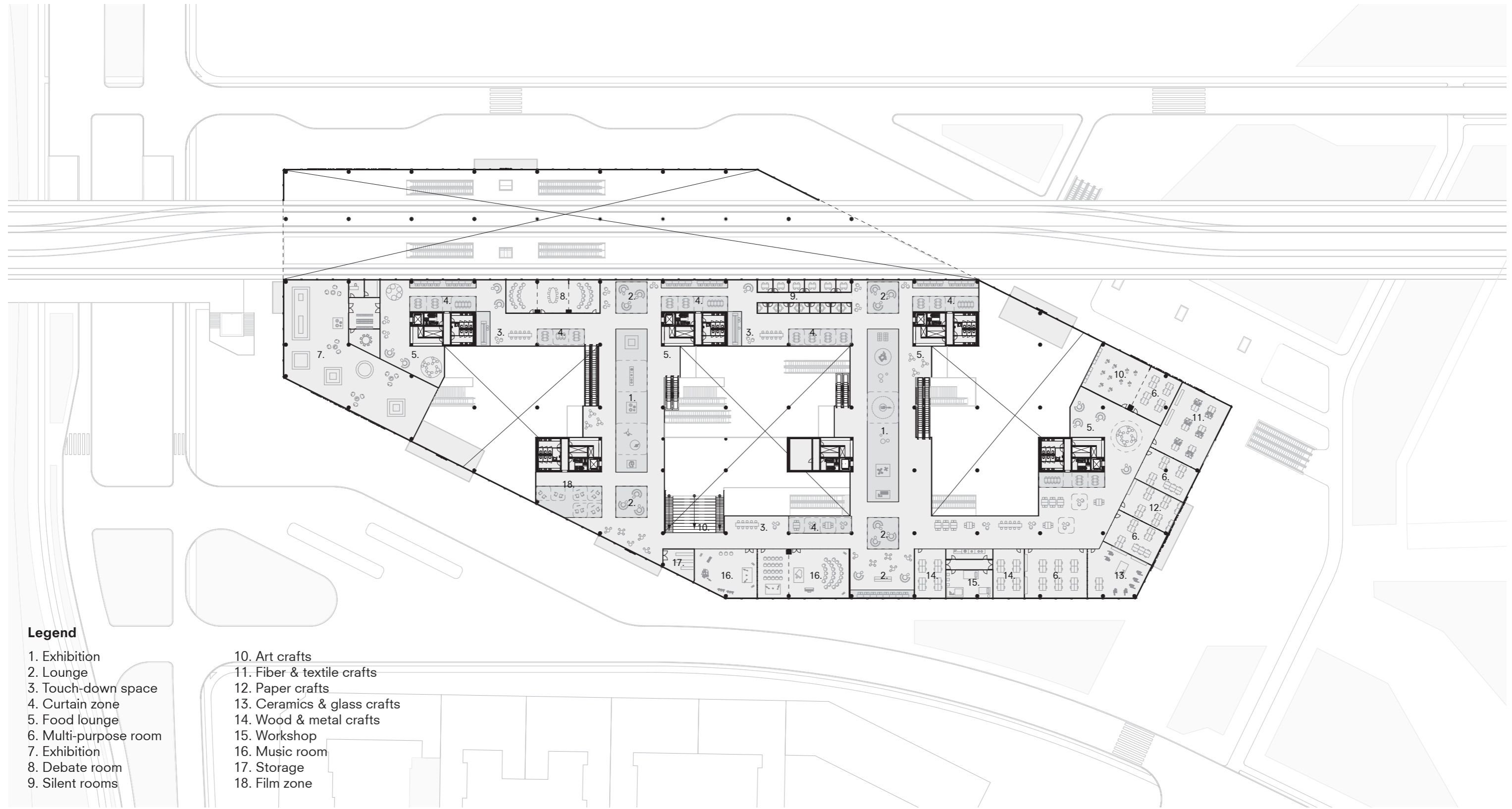
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North



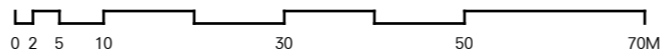
# MULTIMODALITY JUNGFERNHEIDE FLOOR PLANS



## Legend

- 1. Exhibition
- 2. Lounge
- 3. Touch-down space
- 4. Curtain zone
- 5. Food lounge
- 6. Multi-purpose room
- 7. Exhibition
- 8. Debate room
- 9. Silent rooms
- 10. Art crafts
- 11. Fiber & textile crafts
- 12. Paper crafts
- 13. Ceramics & glass crafts
- 14. Wood & metal crafts
- 15. Workshop
- 16. Music room
- 17. Storage
- 18. Film zone

Second floor plan  
+9.500 Peil

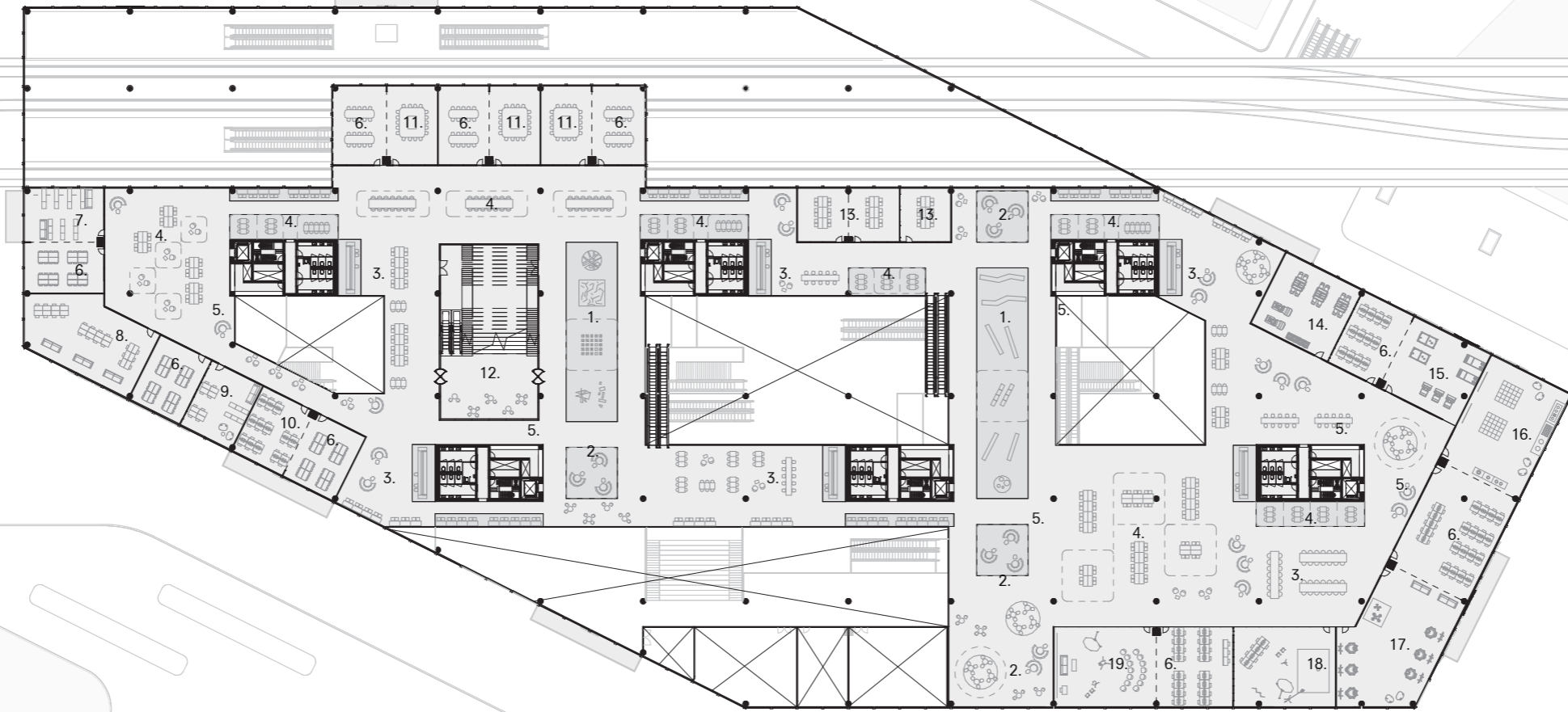


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North

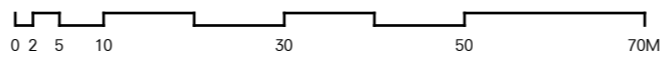
# MULTIMODALITY JUNGFERNHEIDE FLOOR PLANS



### Legend

- 1. Exhibition
- 2. Lounge
- 3. Touch-down space
- 4. Curtain zone
- 5. Food lounge
- 6. Multi-purpose room
- 7. Reading lab
- 8. E-reader lab
- 9. Audio lab
- 10. Multi-media lab
- 11. Conference room
- 12. Roof entrance / open cinema
- 13. General workshop
- 14. Game lab
- 15. Play lab
- 16. Active media lab
- 17. VR & drone lab
- 18. Photo lab
- 19. Film lab

Third floor plan  
+14.000 Peil

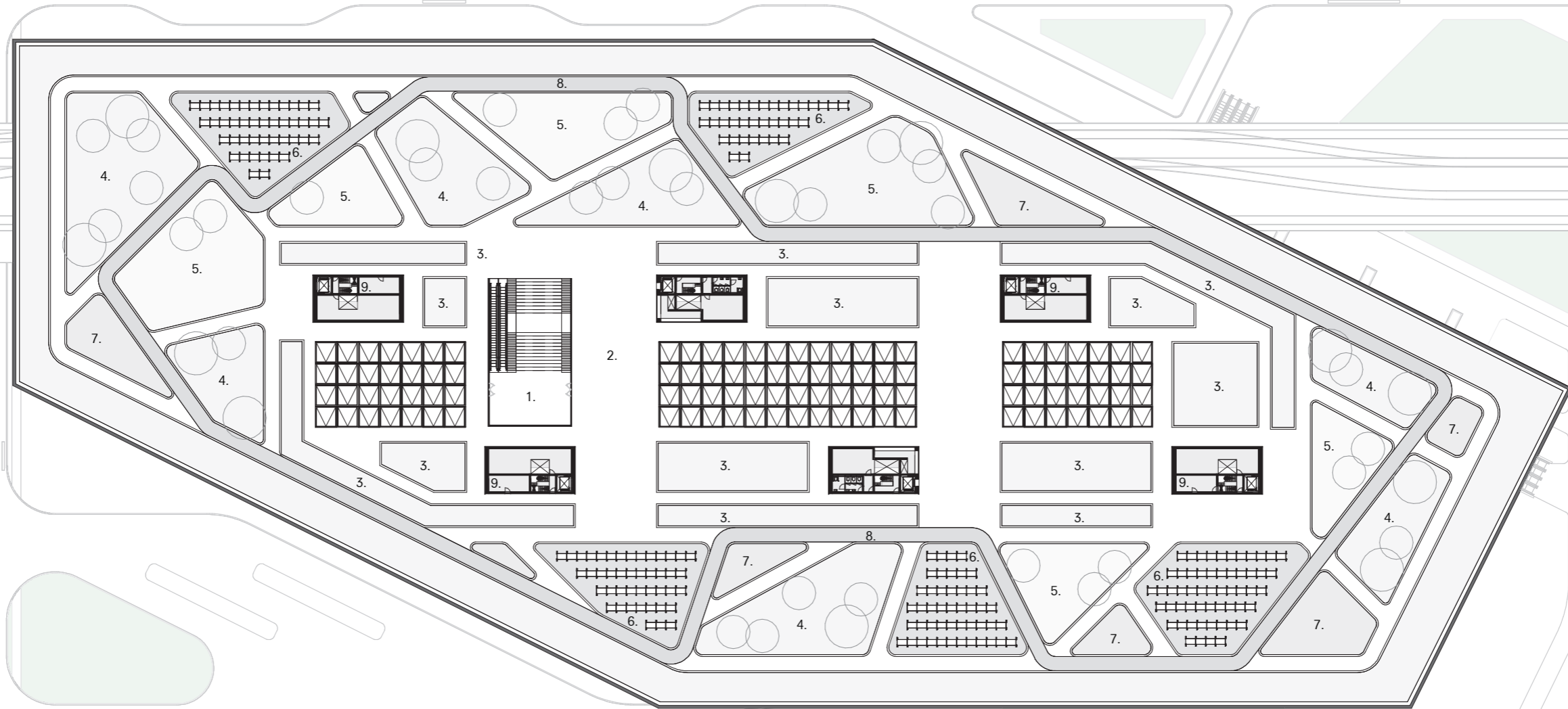


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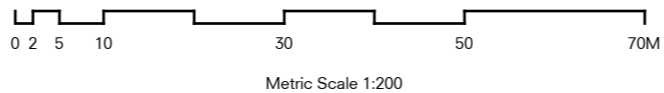
North

# MULTIMODALITY JUNGFERNHEIDE FLOOR PLANS



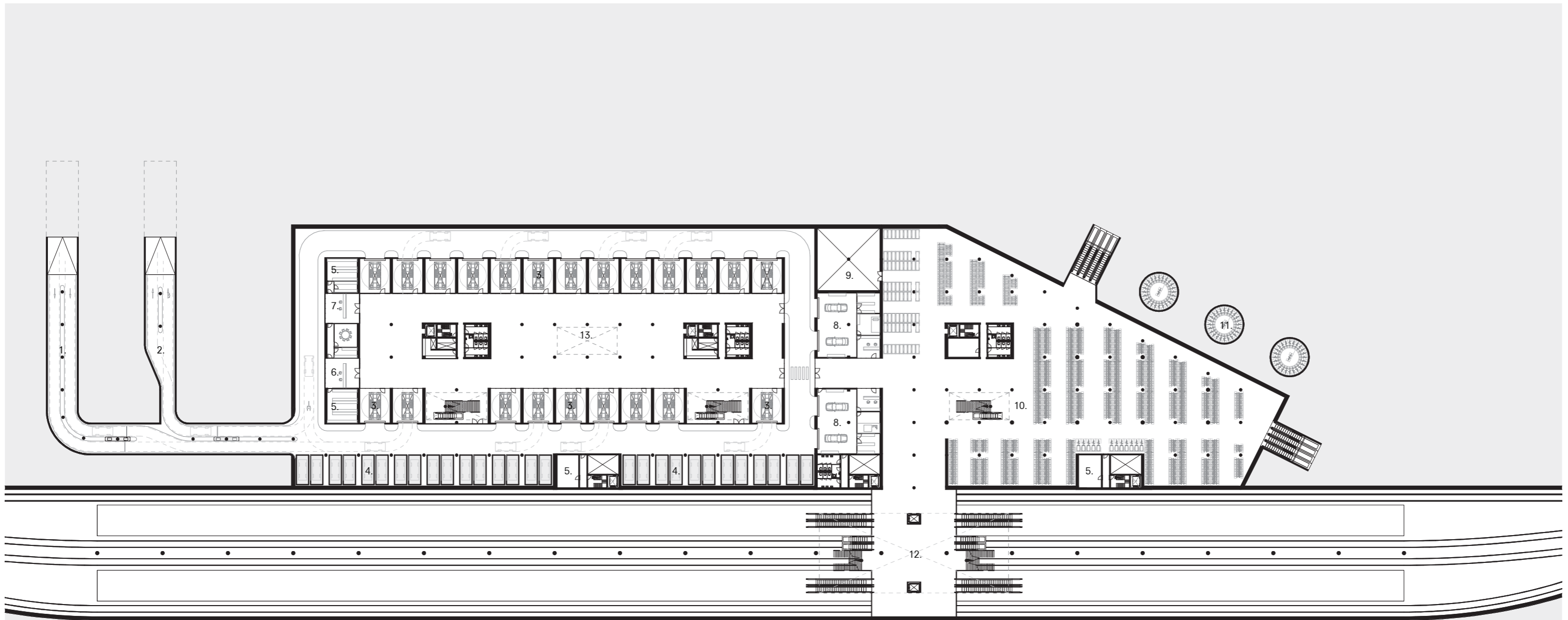
- Legend**
- 1. Entrance / open cinema
  - 2. Public roof
  - 3. Community garden
  - 4. Urban lounge
  - 5. Play zone
  - 6. Solar farm
  - 7. Flower garden
  - 8. Experience path
  - 9. Garden storage

Roof plan  
+21.000 Peil



North

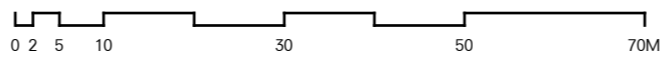
MULTIMODALITY JUNGFERNHEIDE  
**FLOOR PLANS**



**Legend**

- |                               |                                 |
|-------------------------------|---------------------------------|
| 1. Parking entrance           | 8. Car maintenance center       |
| 2. Parking                    | 9. E-scooter parking            |
| 3. Car drop-off point         | 10. Stacked bike parking        |
| 4. Off size parking spaces    | 11. Automated bike parking      |
| 5. Storage                    | 12. Mezzanine to train platform |
| 6. Car sharing office         | 13. 3D media exhibition         |
| 7. Parking maintenance office |                                 |

Basement  
 -4.500 Peil

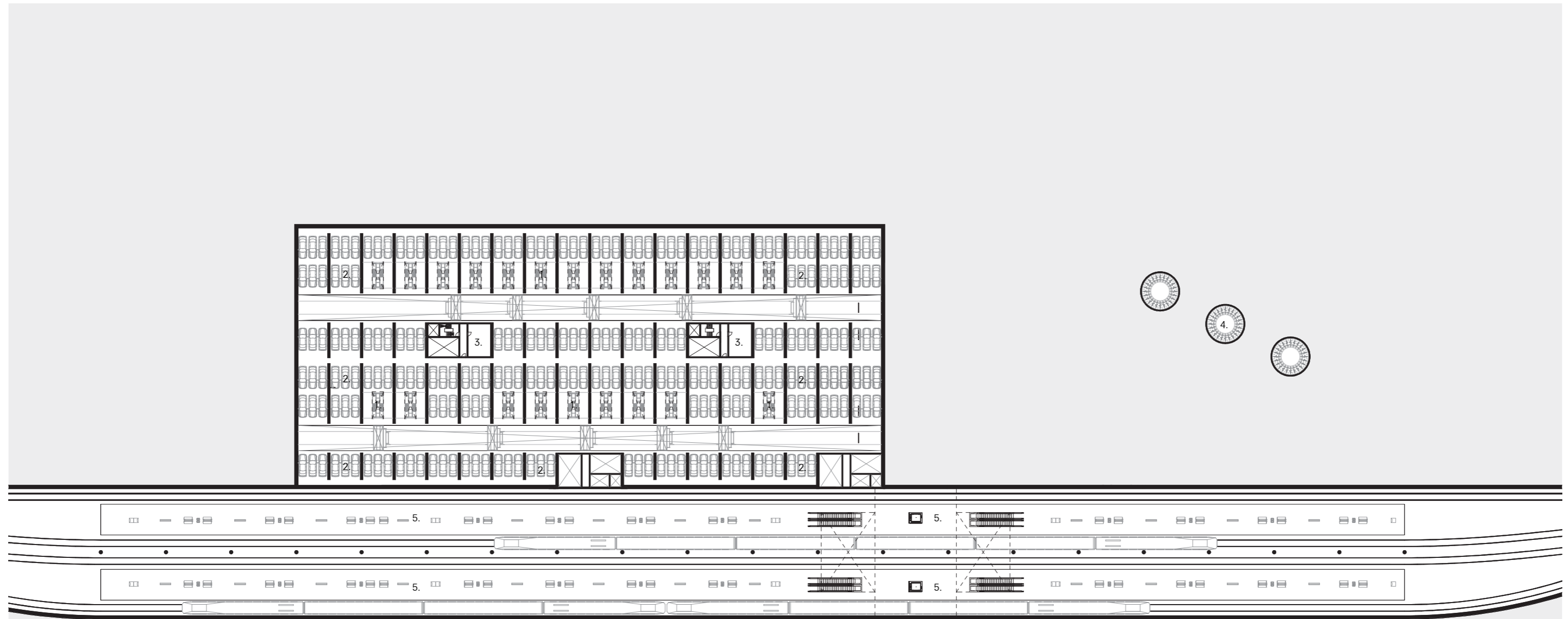


Metric Scale 1:200



North

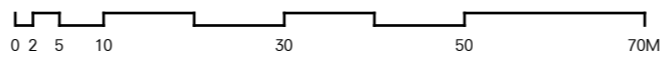
# MULTIMODALITY JUNGFERNHEIDE FLOOR PLANS



## Legend

- 1. Car elevator
- 2. Automated car parking
- 3. Storage
- 4. Automated bike parking
- 5. Train platform

Basement  
-11.000 Peil

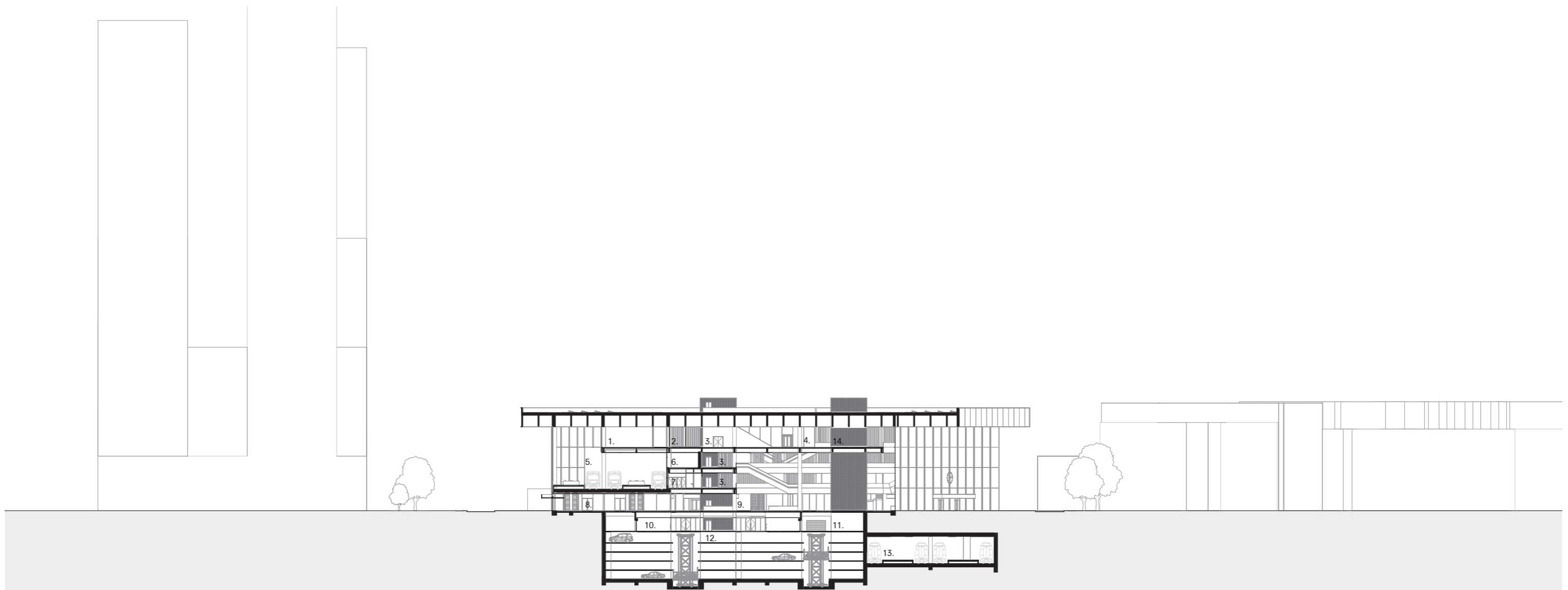


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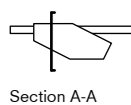
North

MULTIMODALITY JUNGFERNHEIDE  
**SECTIONS**



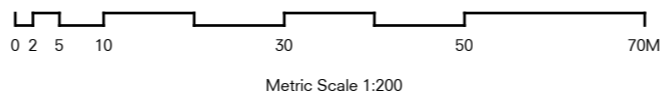
**Legend**

- |                     |                             |
|---------------------|-----------------------------|
| 1. Convention room  | 8. Metro concourse          |
| 2. Curtain space    | 9. Station hall             |
| 3. Touch down space | 10. Car drop-off point      |
| 4. Exhibition       | 11. Off-size parking spaces |
| 5. Metro platform   | 12. Automated parking       |
| 6. Debate room      | 13. Train platform          |
| 7. Refreshment room | 14. Service core            |



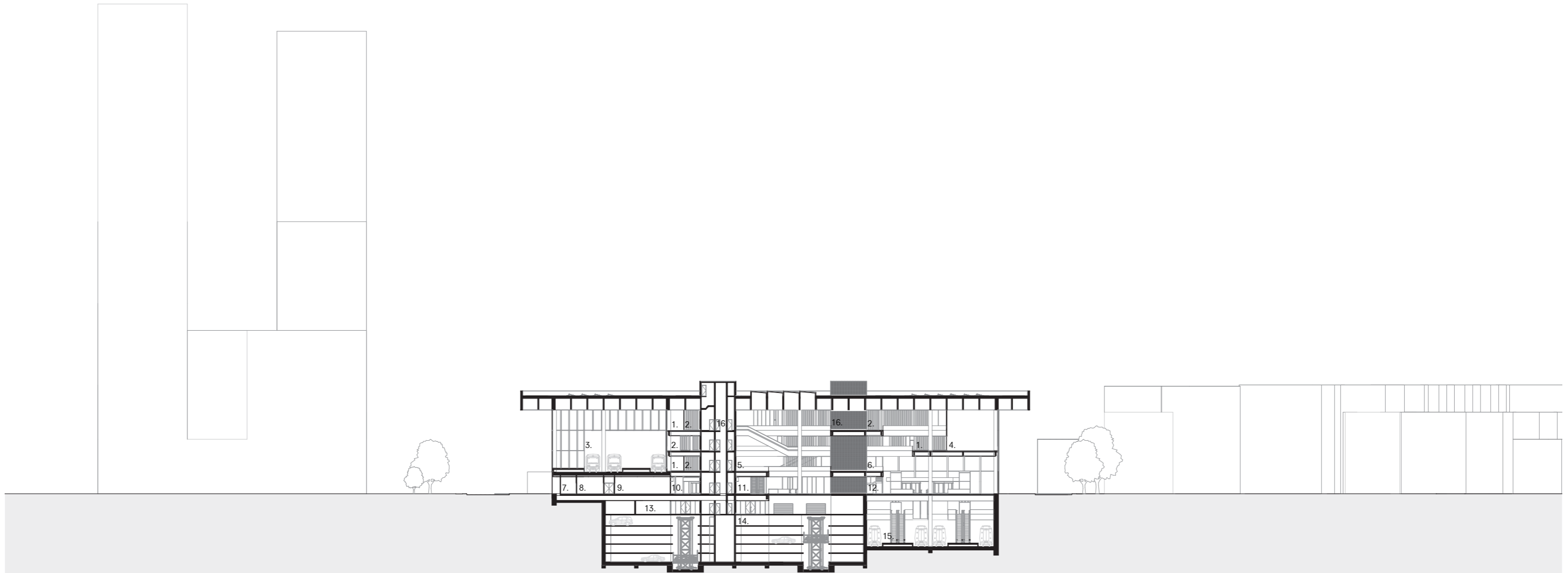
Section A-A

Cross section  
A-A



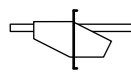
# MULTIMODALITY JUNGFERNHEIDE

## SECTIONS



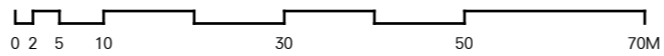
### Legend

- |                       |                          |
|-----------------------|--------------------------|
| 1. Touch down space   | 9. Supermarket           |
| 2. Curtain space      | 10. Commercial concourse |
| 3. Metro platform     | 11. Exhibition           |
| 4. Music room         | 12. Train concourse      |
| 5. Lounge             | 13. Car drop-off point   |
| 6. Office hallway     | 14. Automated parking    |
| 7. Supermarket office | 15. Train platform       |
| 8. Storage            | 16. Service core         |



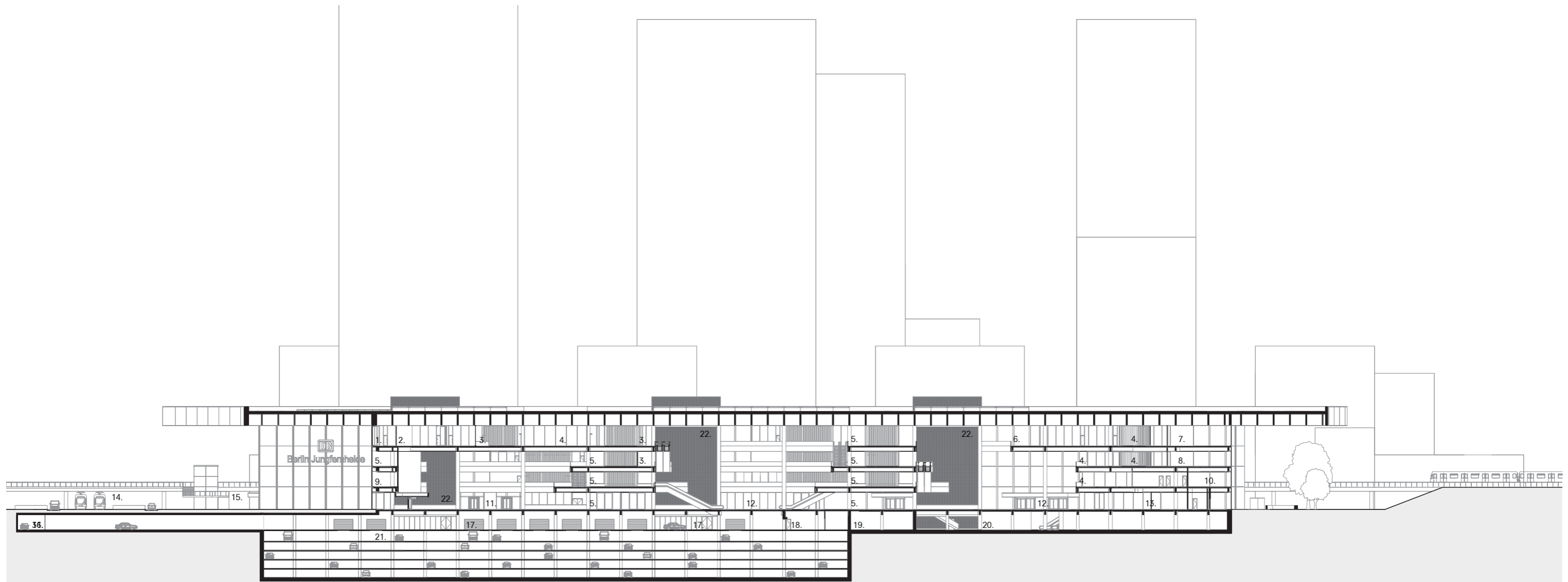
Section B-B

Cross section  
B-B



Metric Scale 1:200

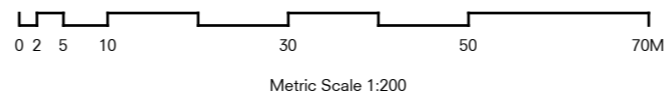
MULTIMODALITY JUNGFERNHEIDE  
**SECTIONS**



**Legend**

- |                           |                            |
|---------------------------|----------------------------|
| 1. Multi-media lab        | 12. Station hall           |
| 2. Multi-purpose room     | 13. Bike repair shop       |
| 3. Touch-down space       | 14. Tram stop              |
| 4. Food lounge            | 15. Park bridge            |
| 5. Exhibition             | 16. Parking entrance       |
| 6. Curtain zone           | 17. Car drop-off point     |
| 7. Active media lab       | 18. Car maintenance center |
| 8. Fiber & textile crafts | 19. Train concourse        |
| 9. Gym                    | 20. Bike parking           |
| 10. Offices               | 21. Automated parking      |
| 11. Metro concourse       | 22. Service core           |

Longitudinal section  
C-C



Section C-C



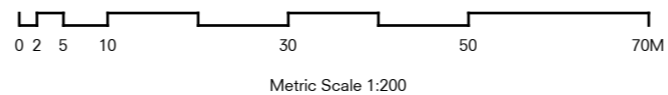
MULTIMODALITY JUNGFERNHEIDE  
**SECTIONS**



**Legend**

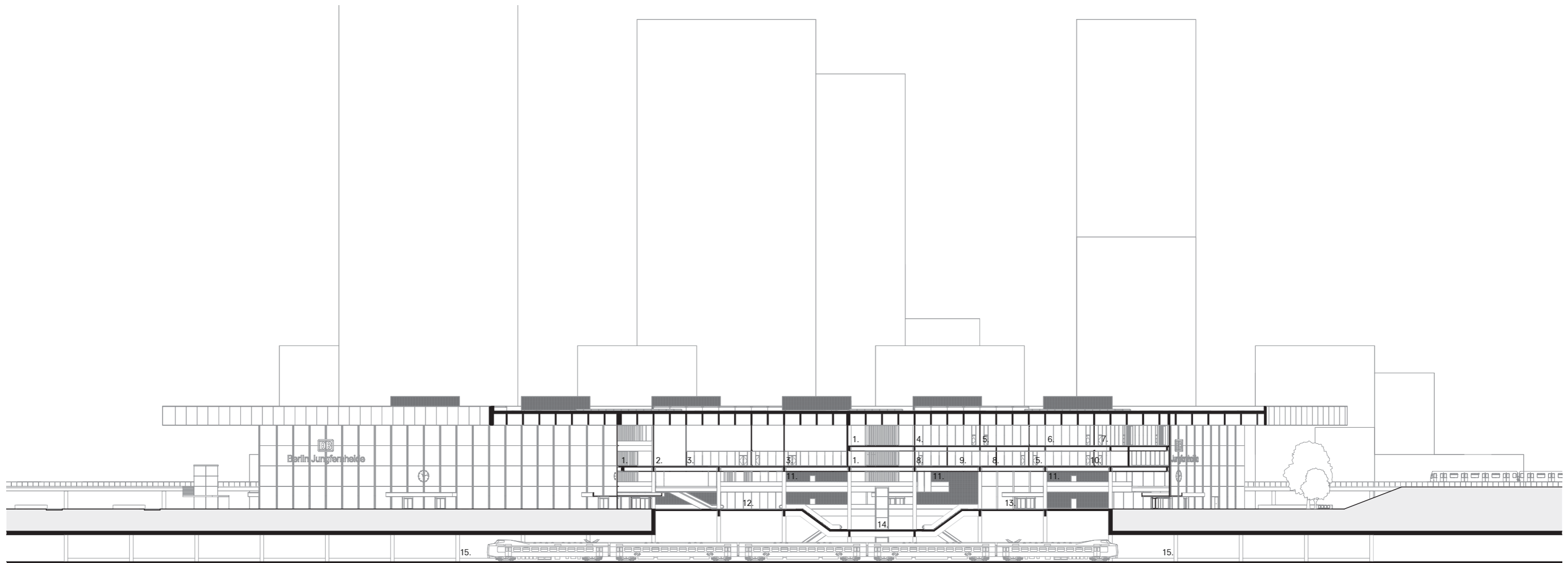
- |                       |                             |                            |
|-----------------------|-----------------------------|----------------------------|
| 1. E-reader lab       | 10. Fiber & textile crafts  | 19. Bike repair shop       |
| 2. Multi-purpose room | 11. Gym                     | 20. Parking entrance       |
| 3. Food lounge        | 12. Offices                 | 21. Car drop-off point     |
| 4. Service core       | 13. Tram stop               | 22. Car maintenance center |
| 5. Open cinema        | 14. Park bridge             | 23. Train concourse        |
| 6. Touch-down space   | 15. Guard & railway drivers | 24. Bike parking           |
| 7. Storage            | 16. Metro concourse         | 25. Automated parking      |
| 8. Exhibition         | 17. Station hal             |                            |
| 9. Active media lab   | 18. Locker room             |                            |

Longitudinal section  
 D-D



Section D-D

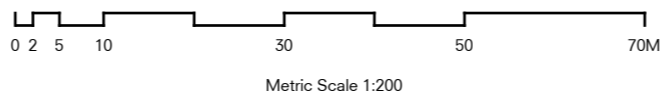
MULTIMODALITY JUNGFERNHEIDE  
**SECTIONS**



**Legend**

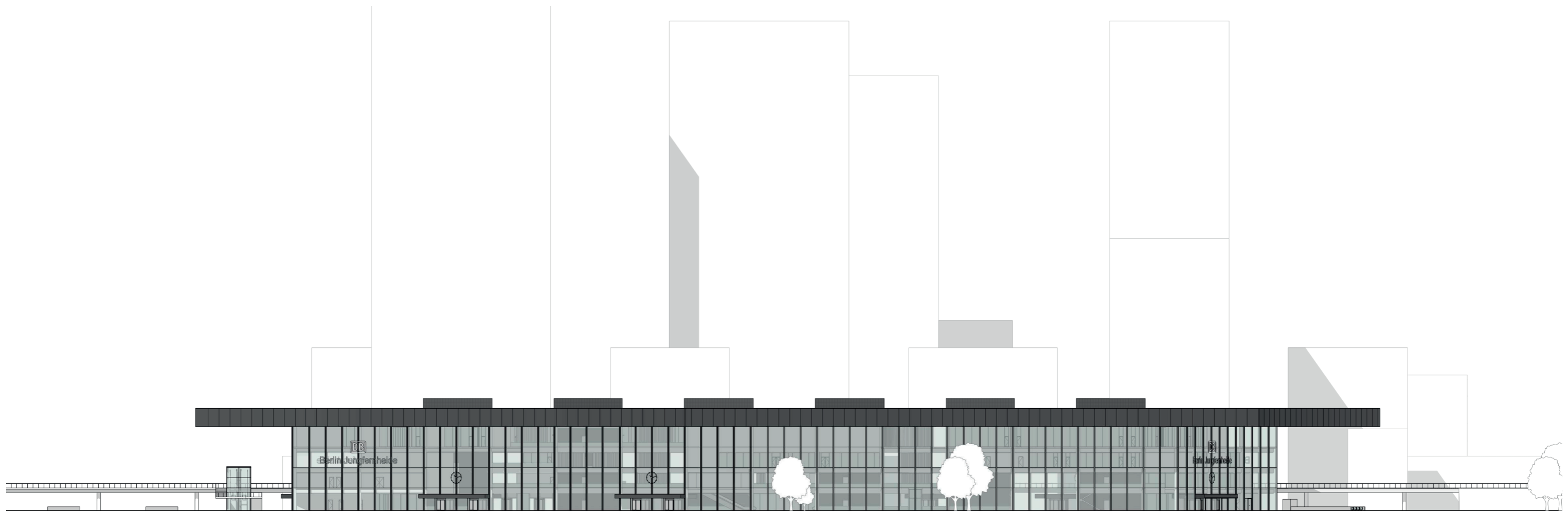
- |                        |                                 |
|------------------------|---------------------------------|
| 1. Lounge              | 9. Workshop                     |
| 2. Storage             | 10. Ceramics & glass craft      |
| 3. Music room          | 11. Service core                |
| 4. Film lab            | 12. Train entrance              |
| 5. Multi-purpose room  | 13. Taxi & cyclist entrance     |
| 6. Photo lab           | 14. Mezzanine to train platform |
| 7. VR & drone lab      | 15. Train platform              |
| 8. Wood & metal crafts |                                 |

Longitudinal section  
E-E

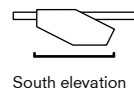
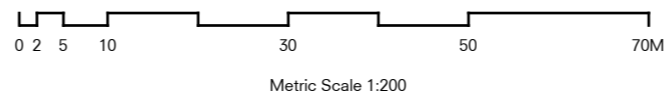


Section E-E

MULTIMODALITY JUNGFERNHEIDE  
**ELEVATIONS**

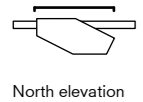


**South Facade**  
Elevation



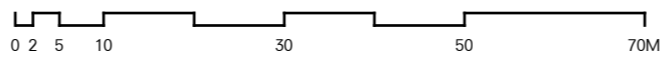
South elevation

MULTIMODALITY JUNGFERNHEIDE  
**ELEVATIONS**



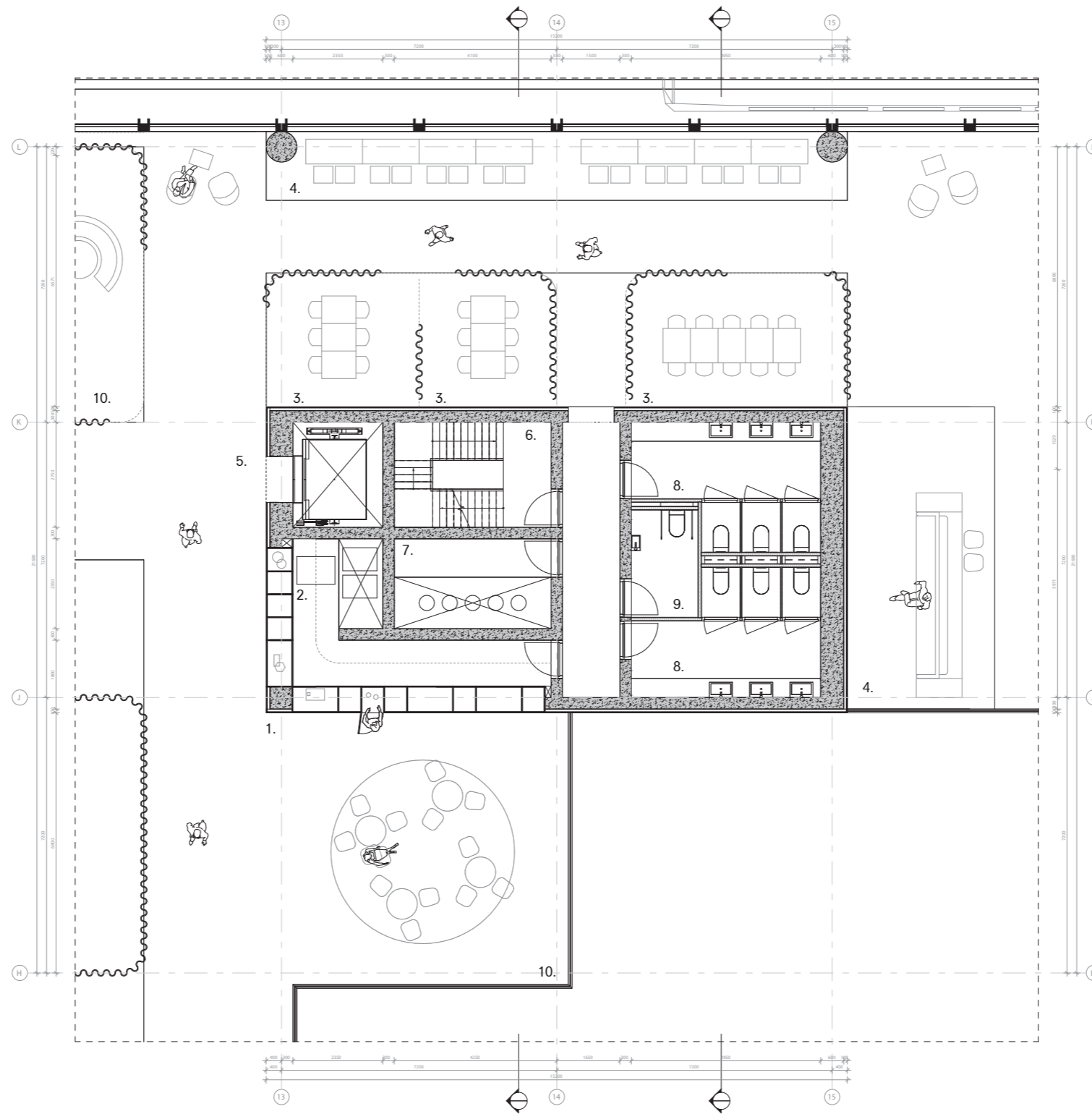
North elevation

**South Facade**  
Elevation



Metric Scale 1:200

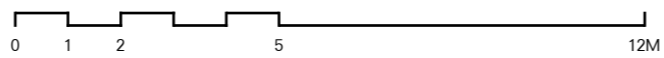
# MULTIMODALITY JUNGFERNHEIDE INTERIOR FRAGMENT



## Legend

- 1. Food / goods pick-up zone
- 2. Automated delivery system
- 3. Curtain zone
- 4. Touch-down spaces
- 5. Elevator
- 6. Fire-escape stairs
- 7. Shaft
- 8. Toilets
- 9. Disabled toilet
- 10. Food lounge

First floor fragment  
+5.000 Peil

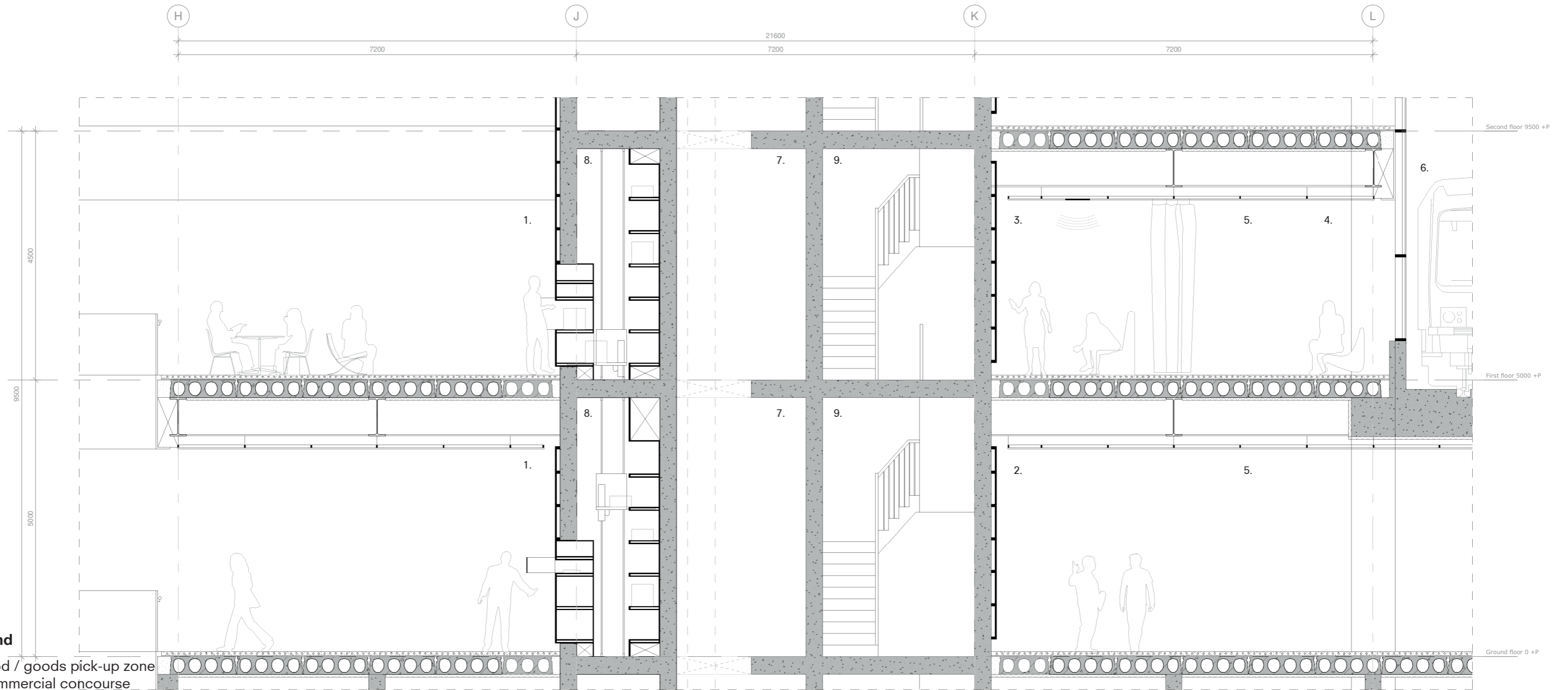


Metric Scale 1:50



North

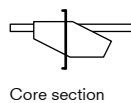
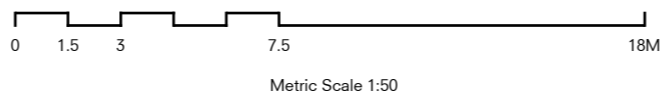
# MULTIMODALITY JUNGFERNHEIDE INTERIOR FRAGMENT



## Legend

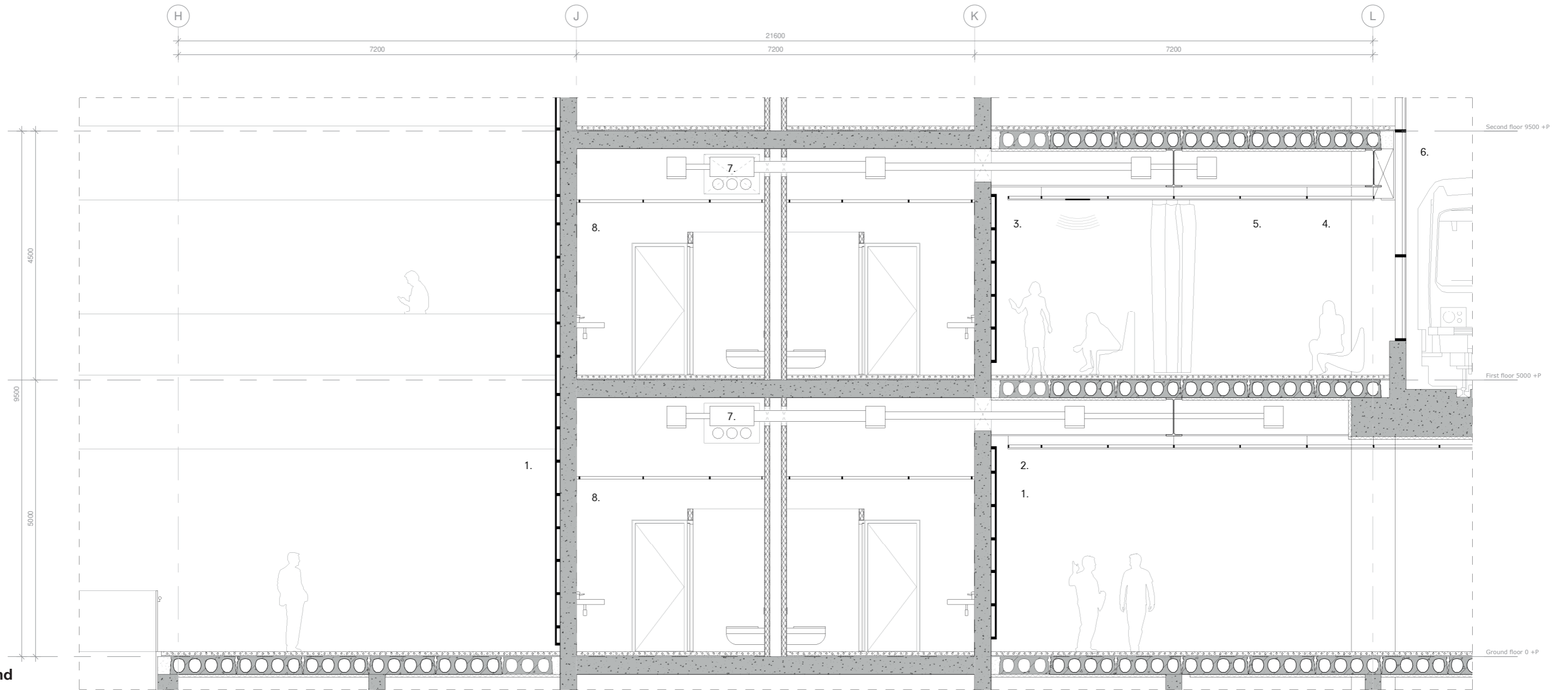
1. Food / goods pick-up zone
2. Commercial concourse
3. Curtain zone
4. Touch-down spaces
5. Suspended mesh ceiling
6. Metro platform
7. Shaft
8. Automated food fending
9. Fire-escape stair
10. LED screen mounted on service core

Core section  
Automation



Core section

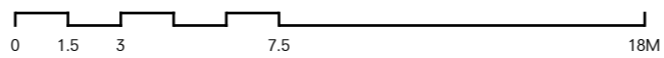
# MULTIMODALITY JUNGFERNHEIDE INTERIOR FRAGMENT



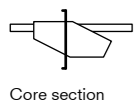
## Legend

1. LED screen mounted on service core
2. Commercial concourse
3. Curtain zone
4. Touch-down spaces
5. Suspended mesh ceiling
6. Metro platform
7. Ventilation shaft
8. Toilets

Core section  
Screen

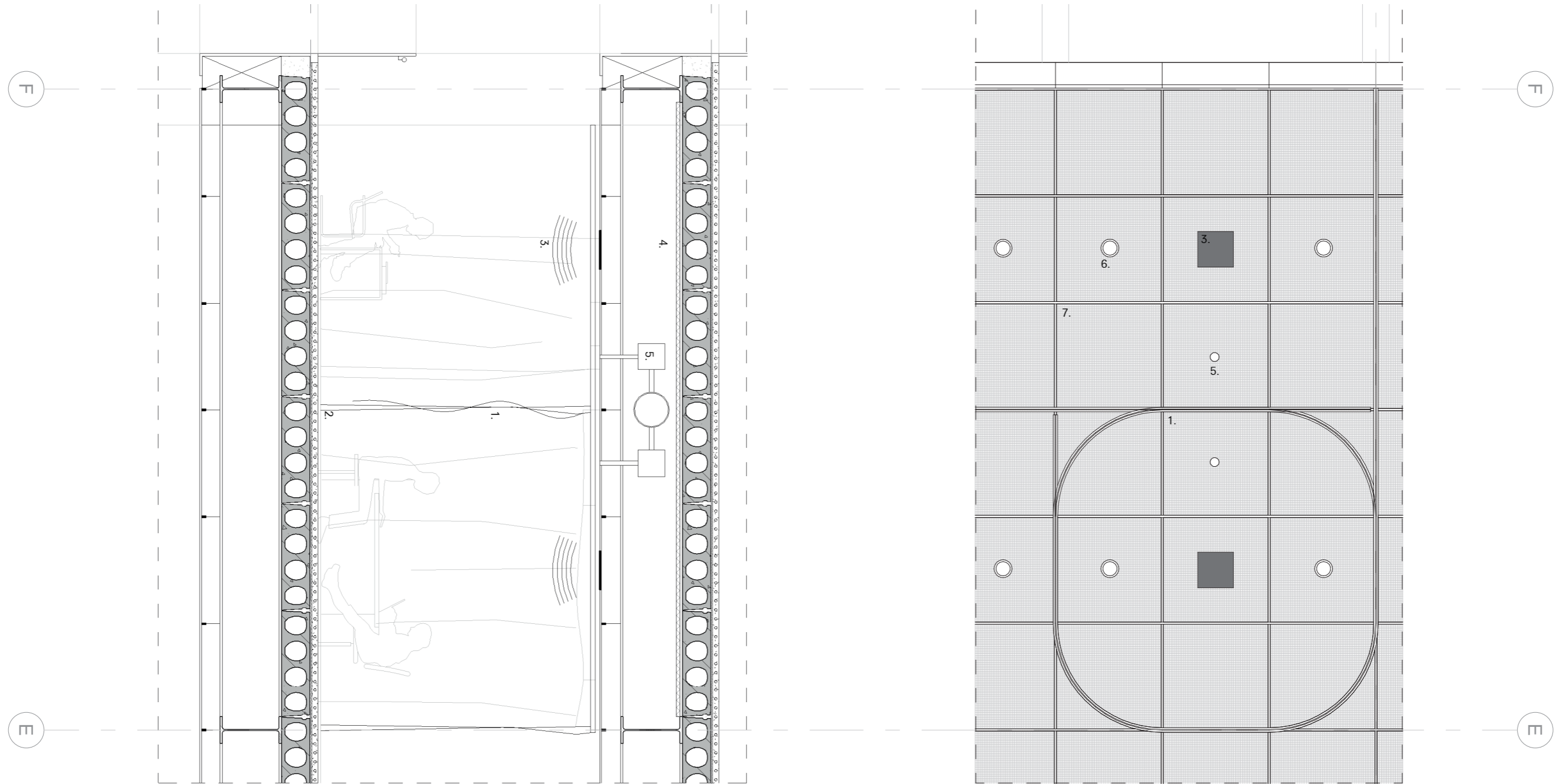


Metric Scale 1:50



Core section

MULTIMODALITY JUNGFERNHEIDE  
**CEILING PLAN**



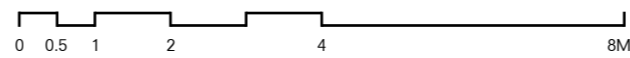
**Legend**

- 1. Demountable curtain
- 2. Floor heating and cooling
- 3. Shower speakers
- 4. Acoustic film
- 5. Ventilation outlet
- 6. Light fixtures
- 7. Mesh ceiling

First floor 5000 +P

Second floor 9500 +P

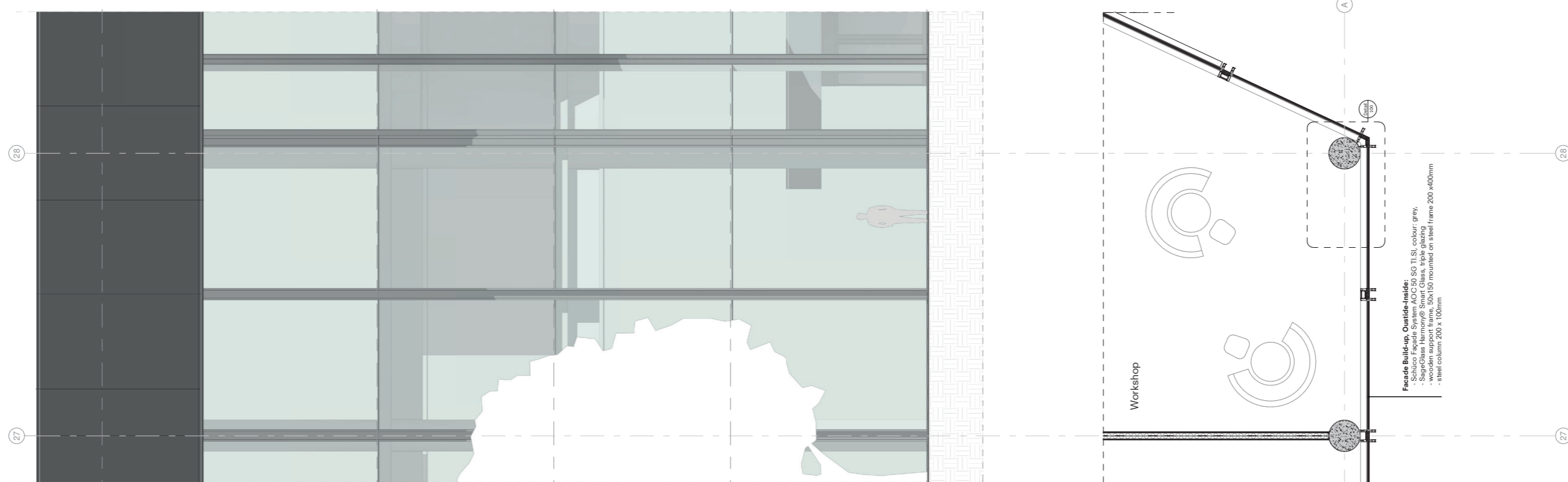
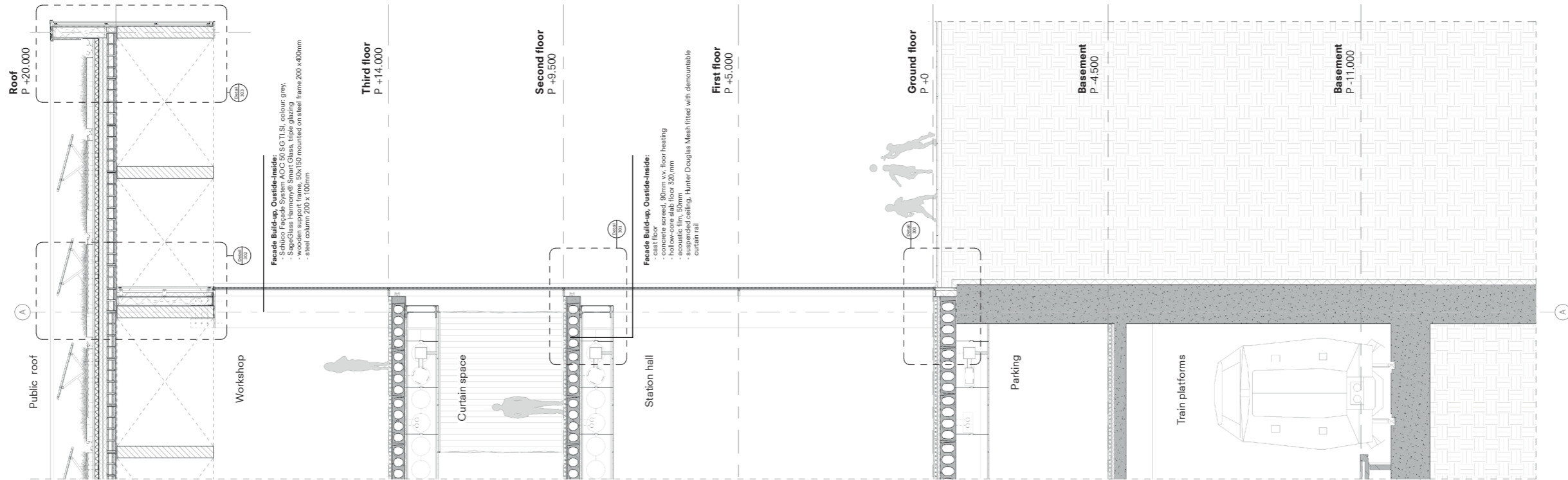
Reflected ceiling  
 Curtain space



Metric Scale 1:50



# MULTIMODALITY JUNGFERNHEIDE ENVELOPE FRAGMENT

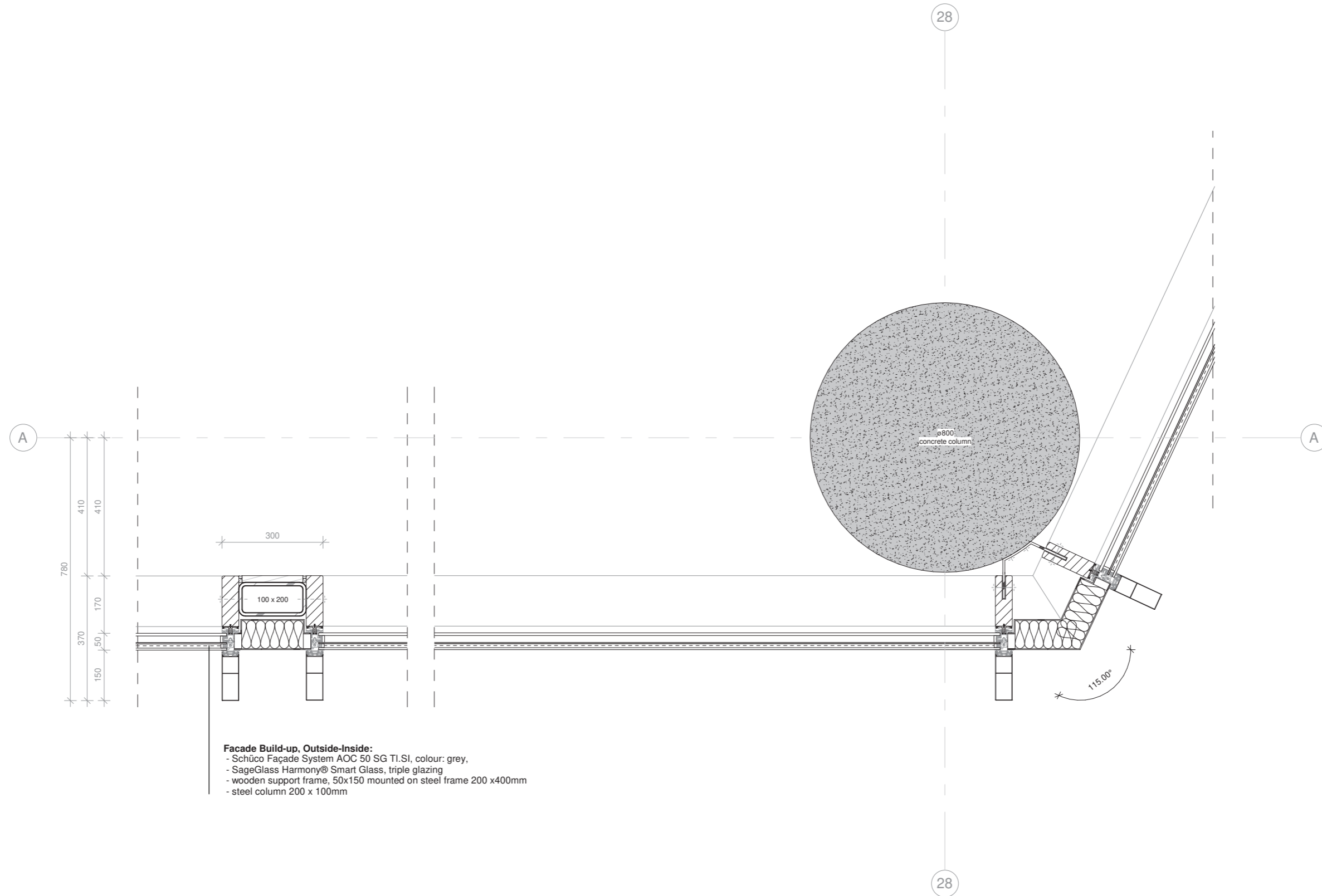


South facade  
Corner fragment



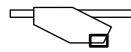
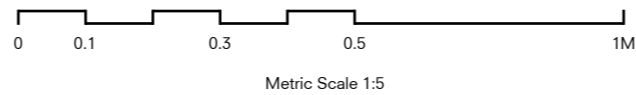
Metric Scale 1:25

MULTIMODALITY JUNGFERNHEIDE  
**DETAILS**



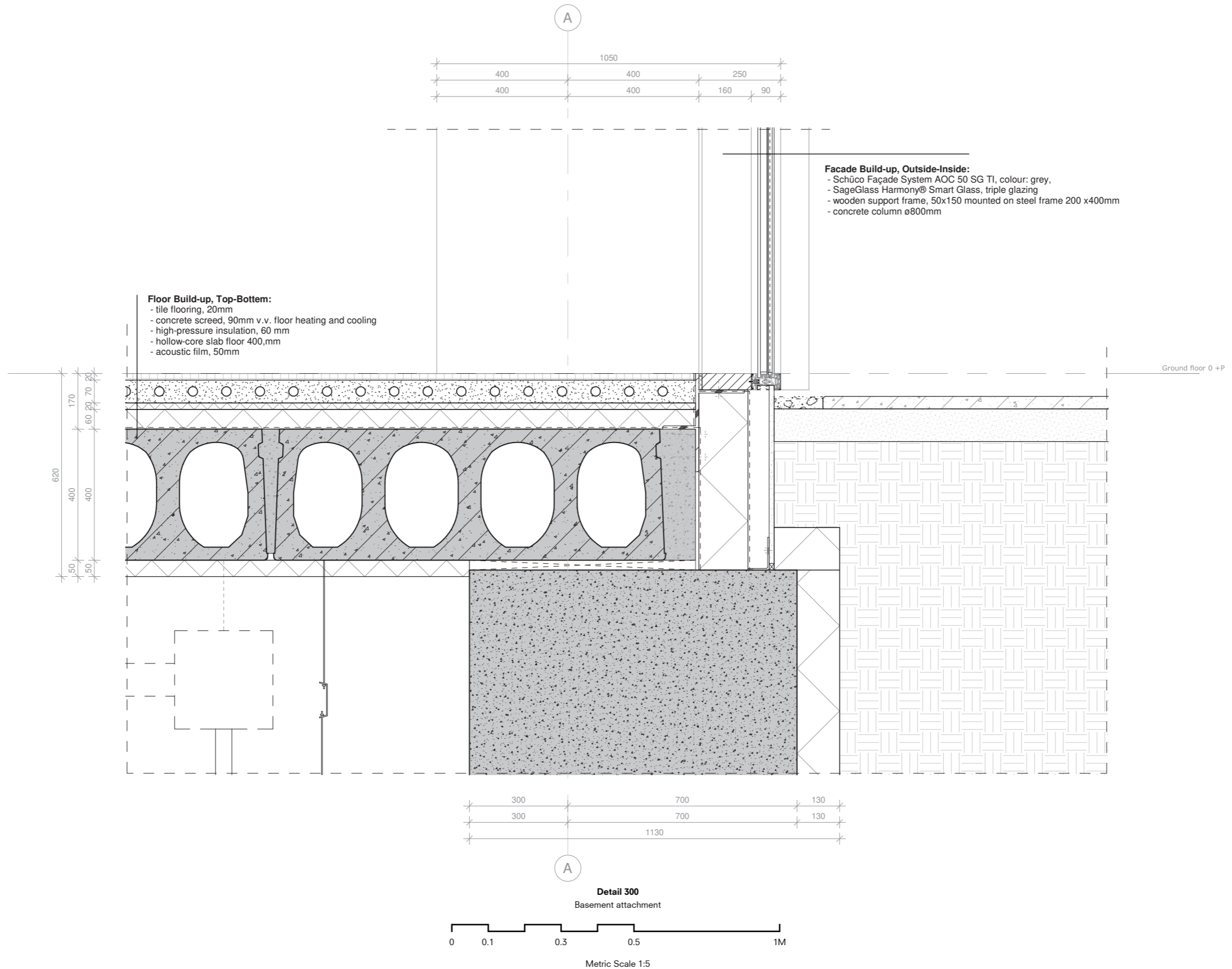
**Facade Build-up, Outside-Inside:**  
- Schüco Façade System AOC 50 SG TI.SI, colour: grey,  
- SageGlass Harmony® Smart Glass, triple glazing  
- wooden support frame, 50x150 mounted on steel frame 200 x400mm  
- steel column 200 x 100mm

**Detail 100**  
Corner solution

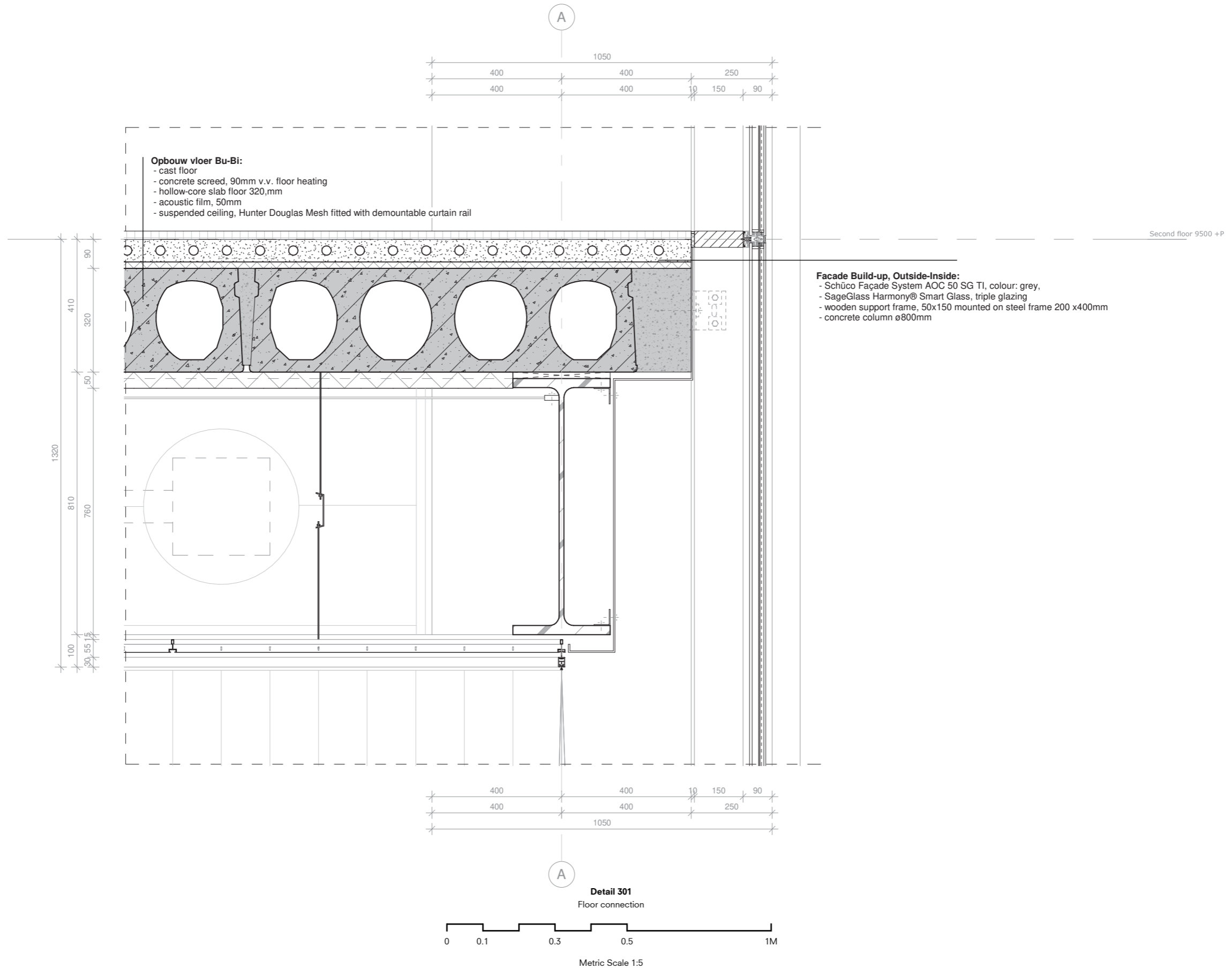


Detail 100

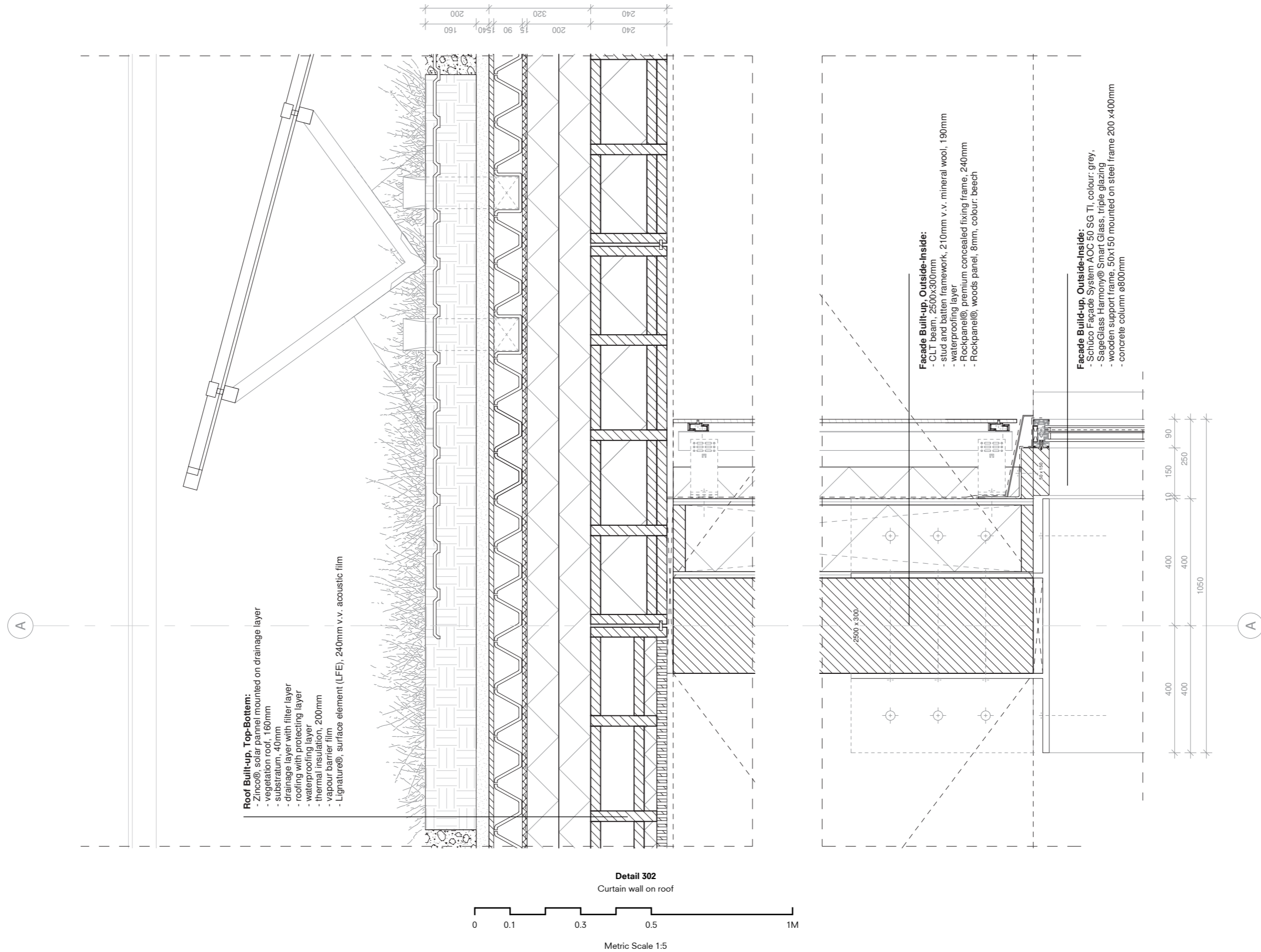
MULTIMODALITY JUNGFERNHEIDE  
**DETAILS**



MULTIMODALITY JUNGFERNHEIDE  
**DETAILS**

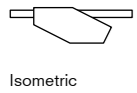
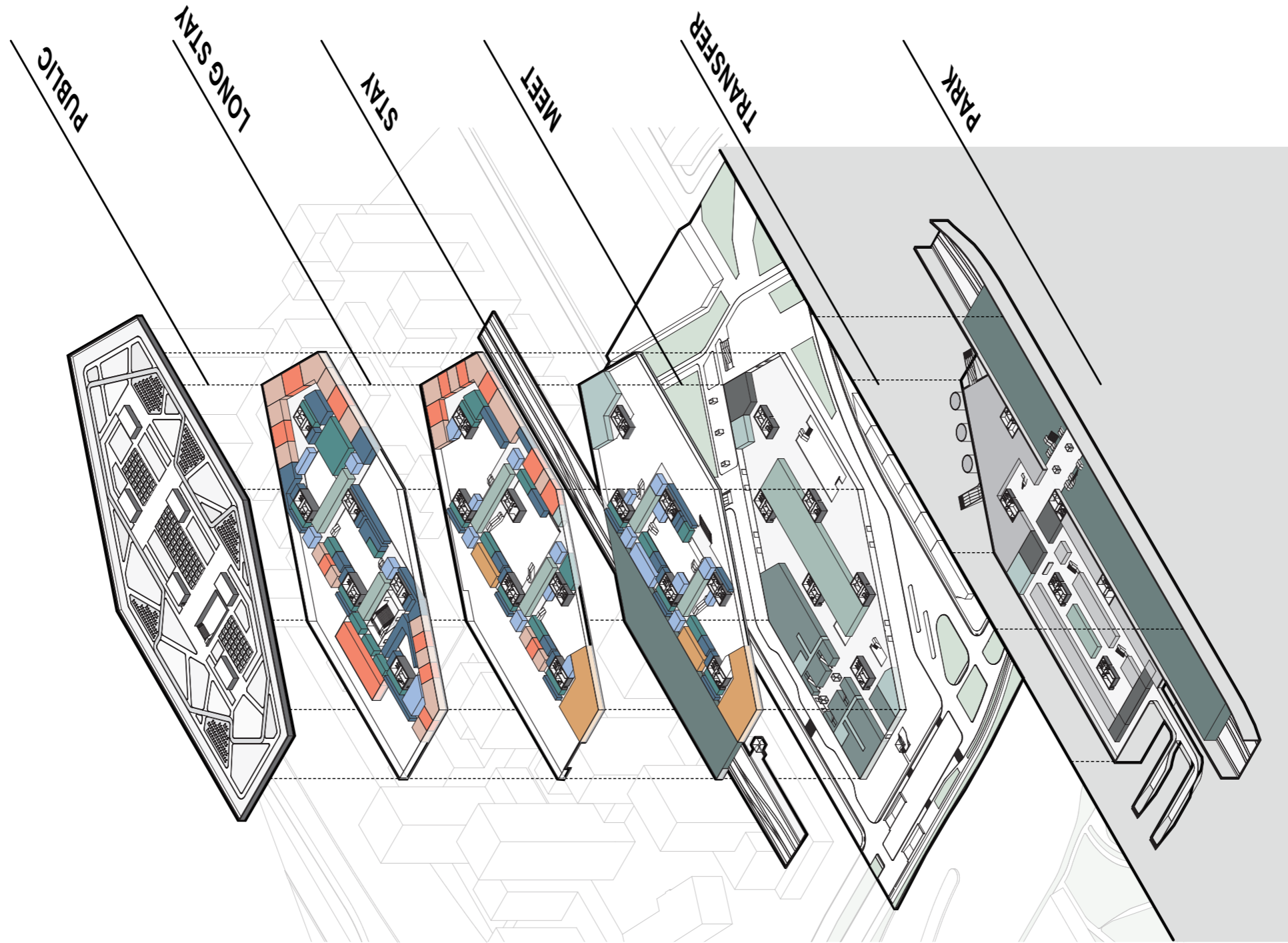


MULTIMODALITY JUNGFERNHEIDE  
**DETAILS**





MULTIMODALITY JUNGFERNHEIDE  
**BUILDING ISOMETRIC**

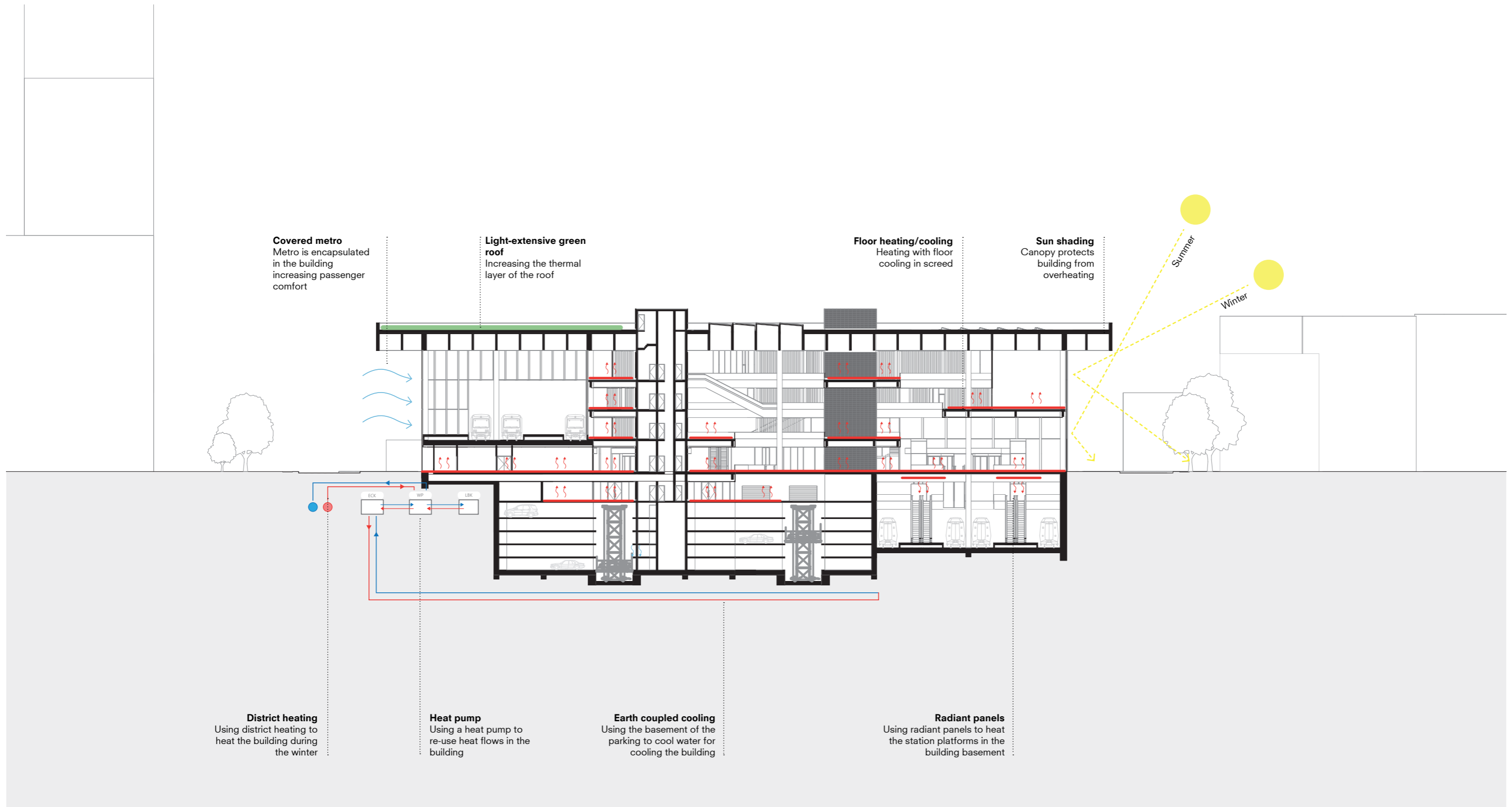


Isometric

Isometric  
Program  
No scale

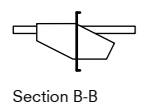
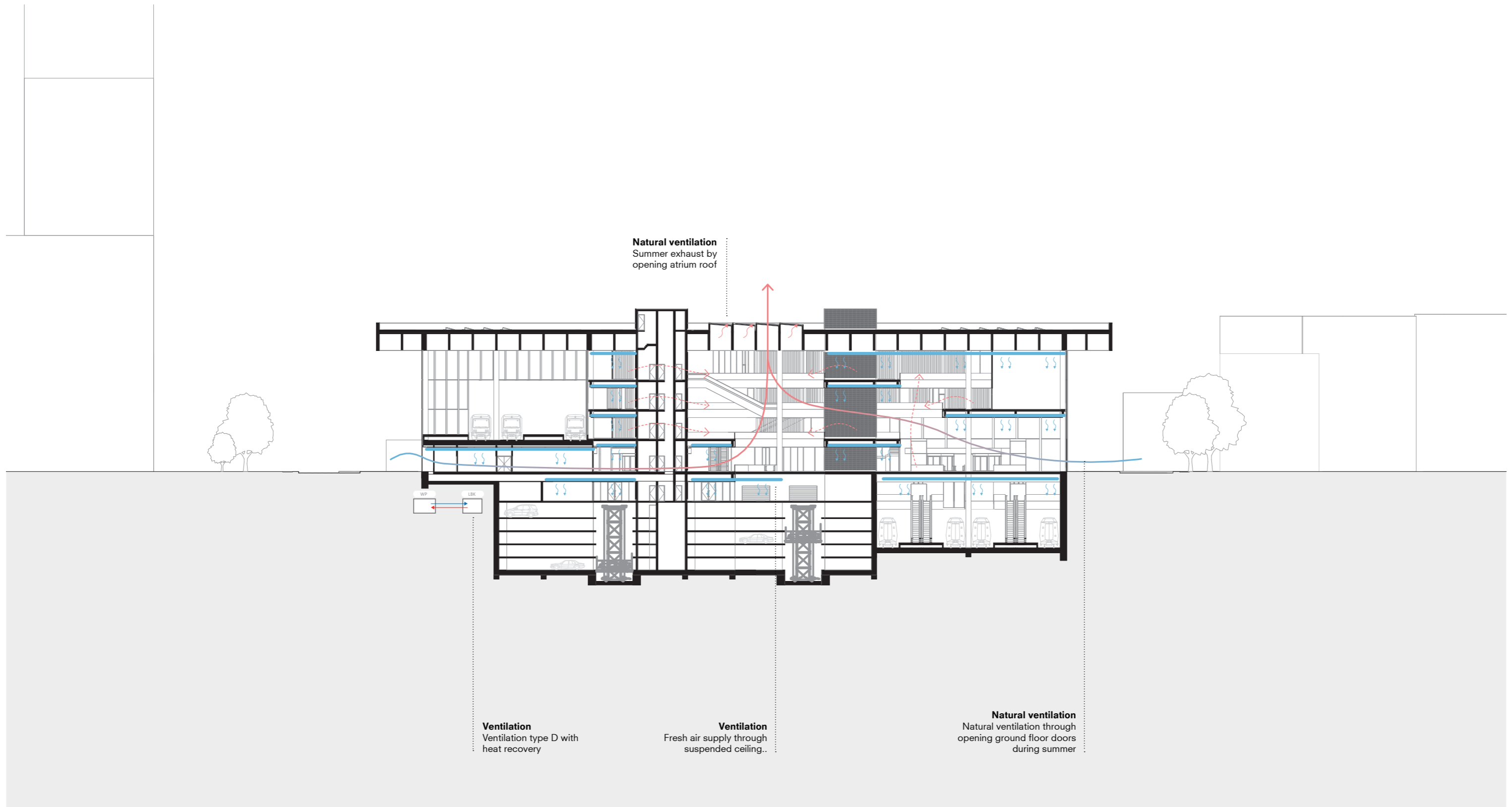
- Station**
- Offices and services
  - Parking
  - Bike parking
  - Service mobility
  - Station elements
  - Commercial
- Forum:**
- Service fixed
  - Workshops
  - Multi-purpose rooms
  - Touch down spaces
  - Lounge
  - Curtain zones
  - Exhibition

# MULTIMODALITY JUNGFERNHEIDE CLIMATE



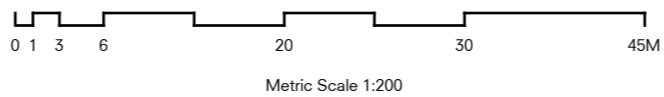


# MULTIMODALITY JUNGFERNHEIDE VENTILATION

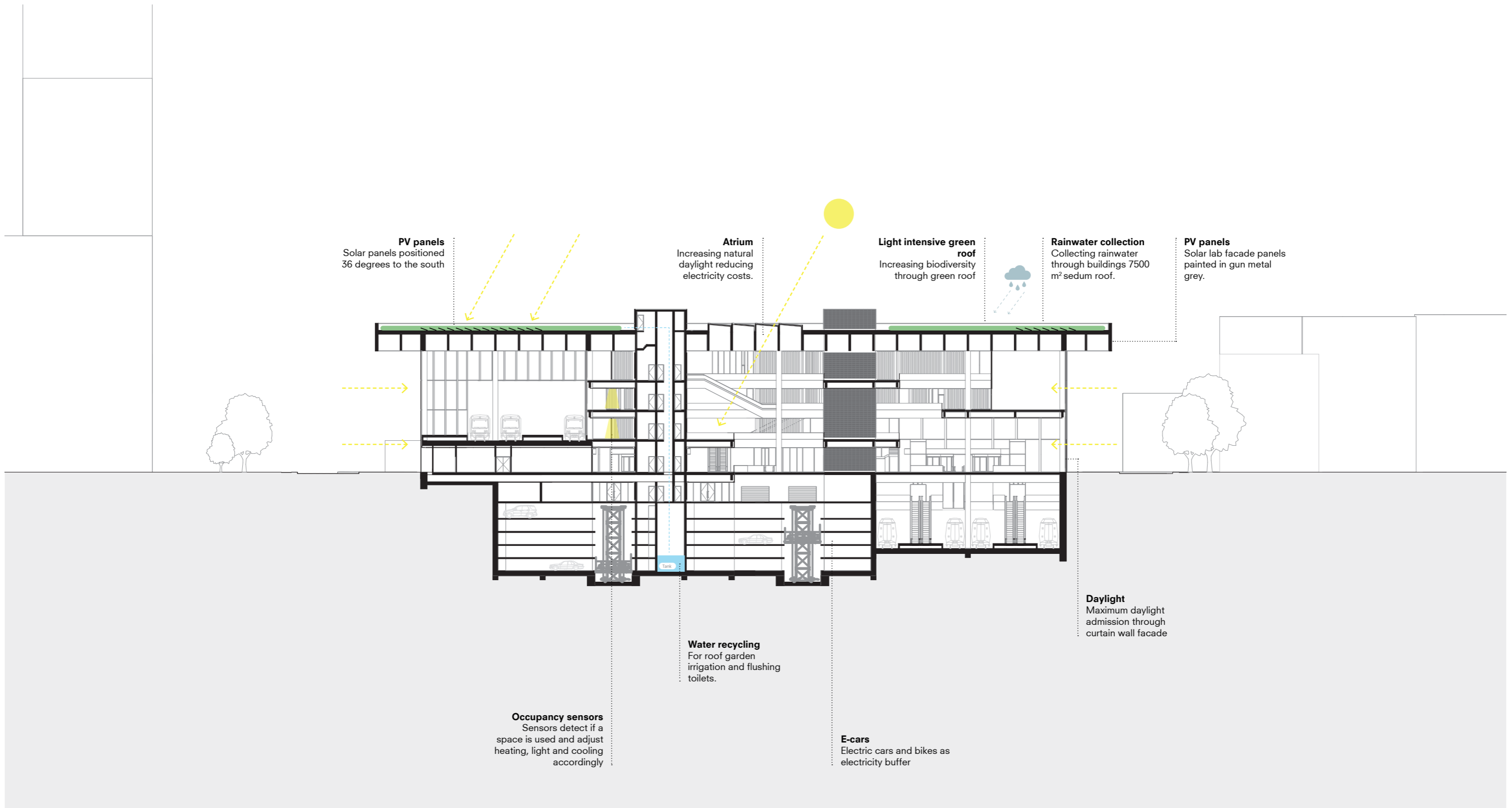


Section B-B

Cross section  
B-B



# MULTIMODALITY JUNGFERNHEIDE WATER AND ENERGY



Section B-B

