

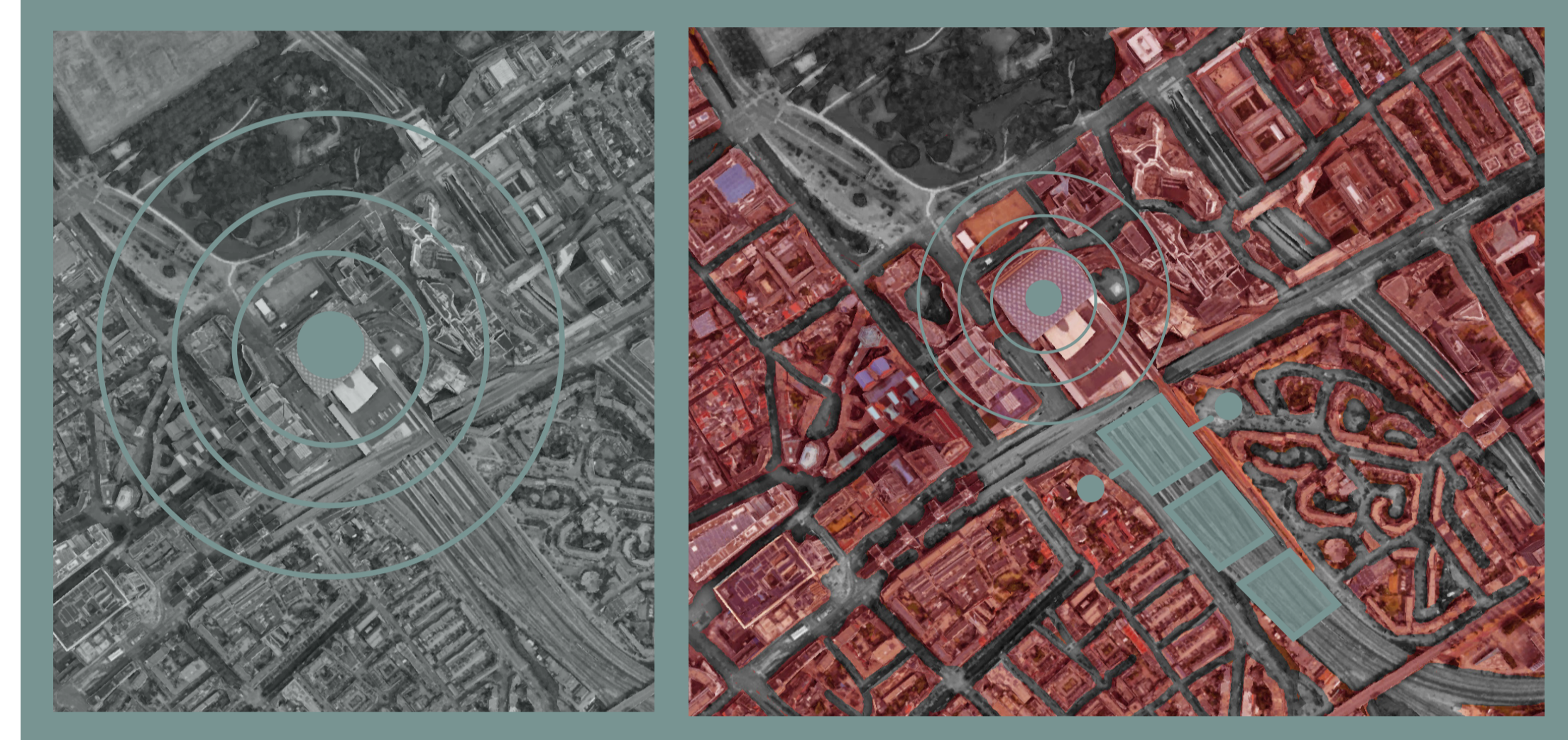
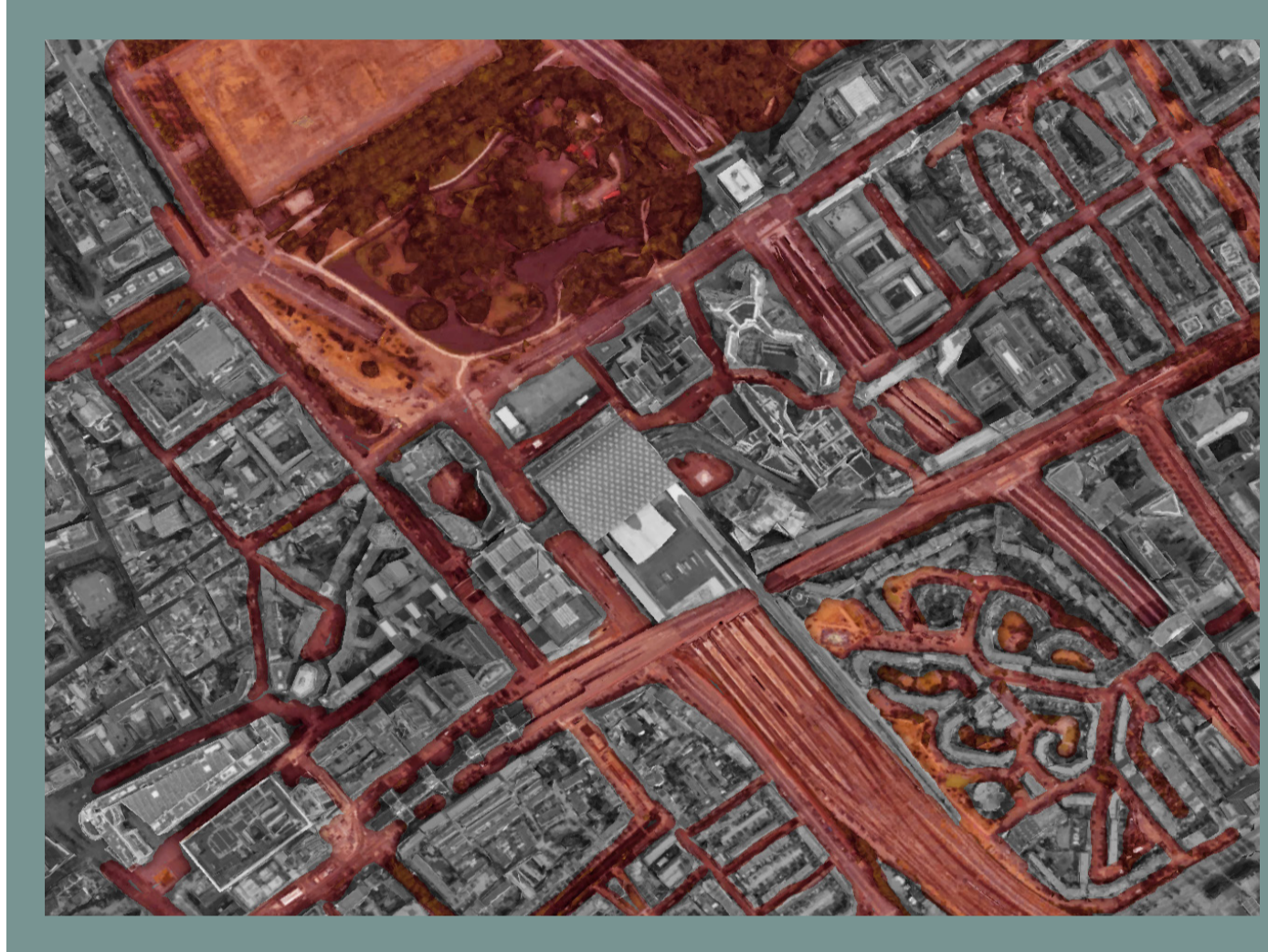
Urban Synergy: Merging Academic Focus and Organic Interaction

AR3AP100 Public Building Msc3 / Msc4
The Vertical Campus
A public hub of the future in The Hague

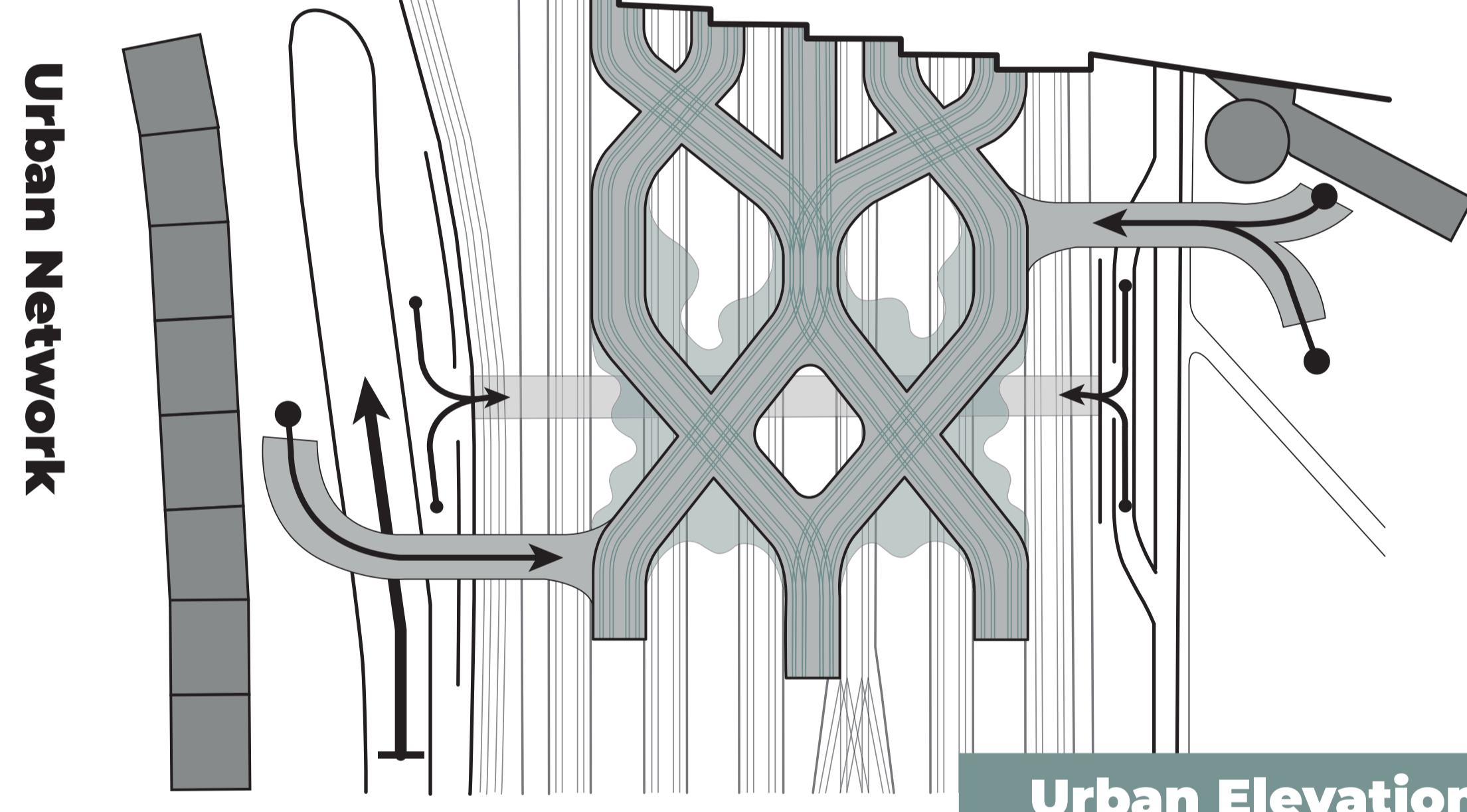
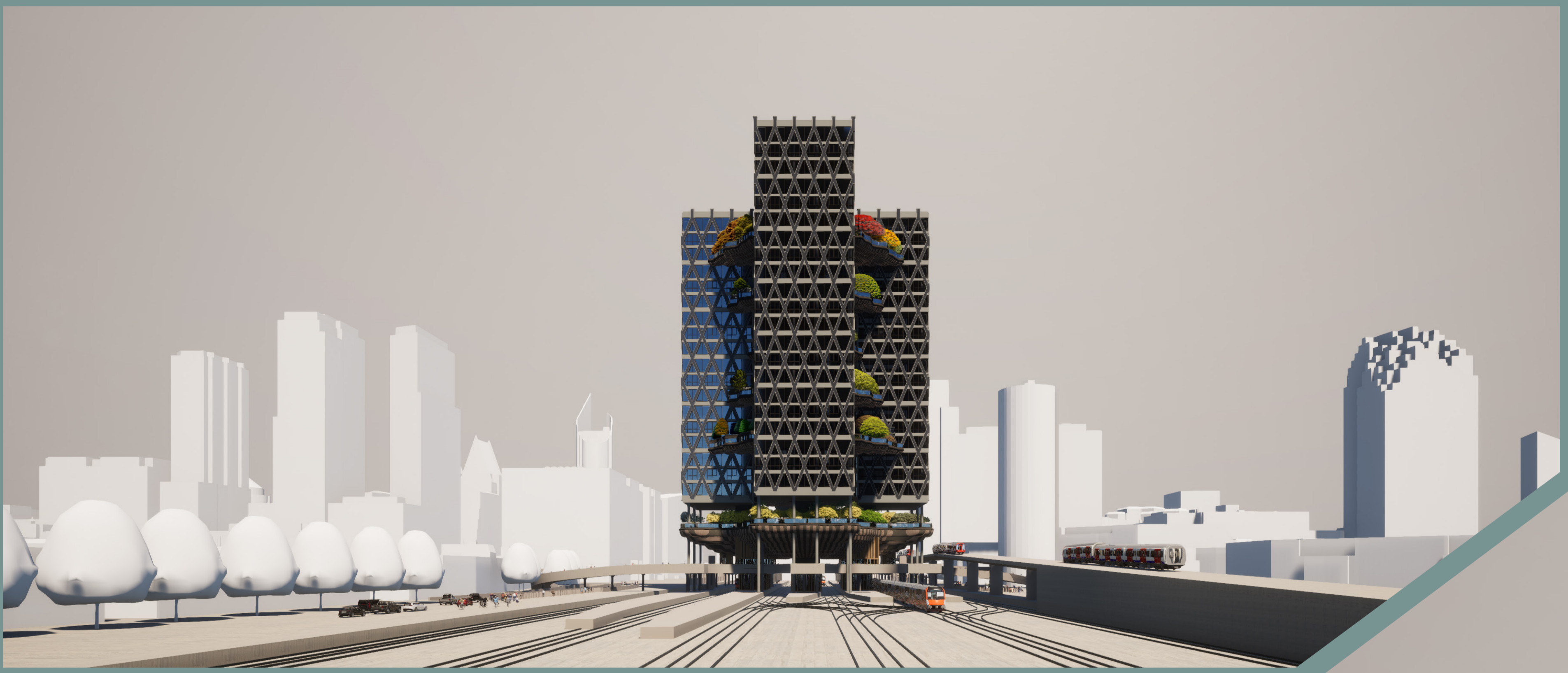
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04-07-2024



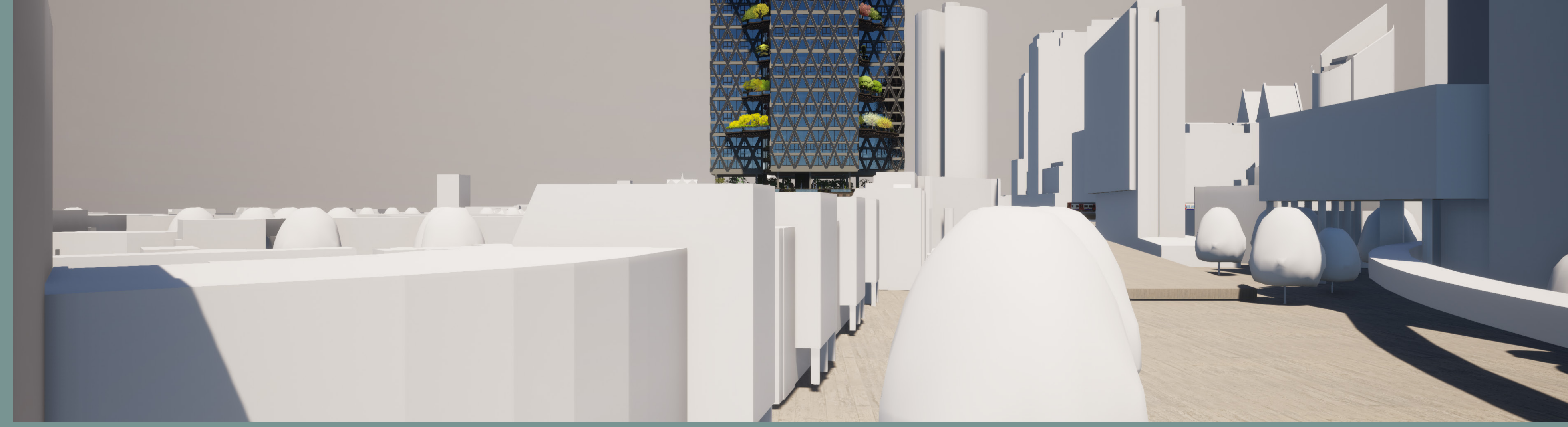
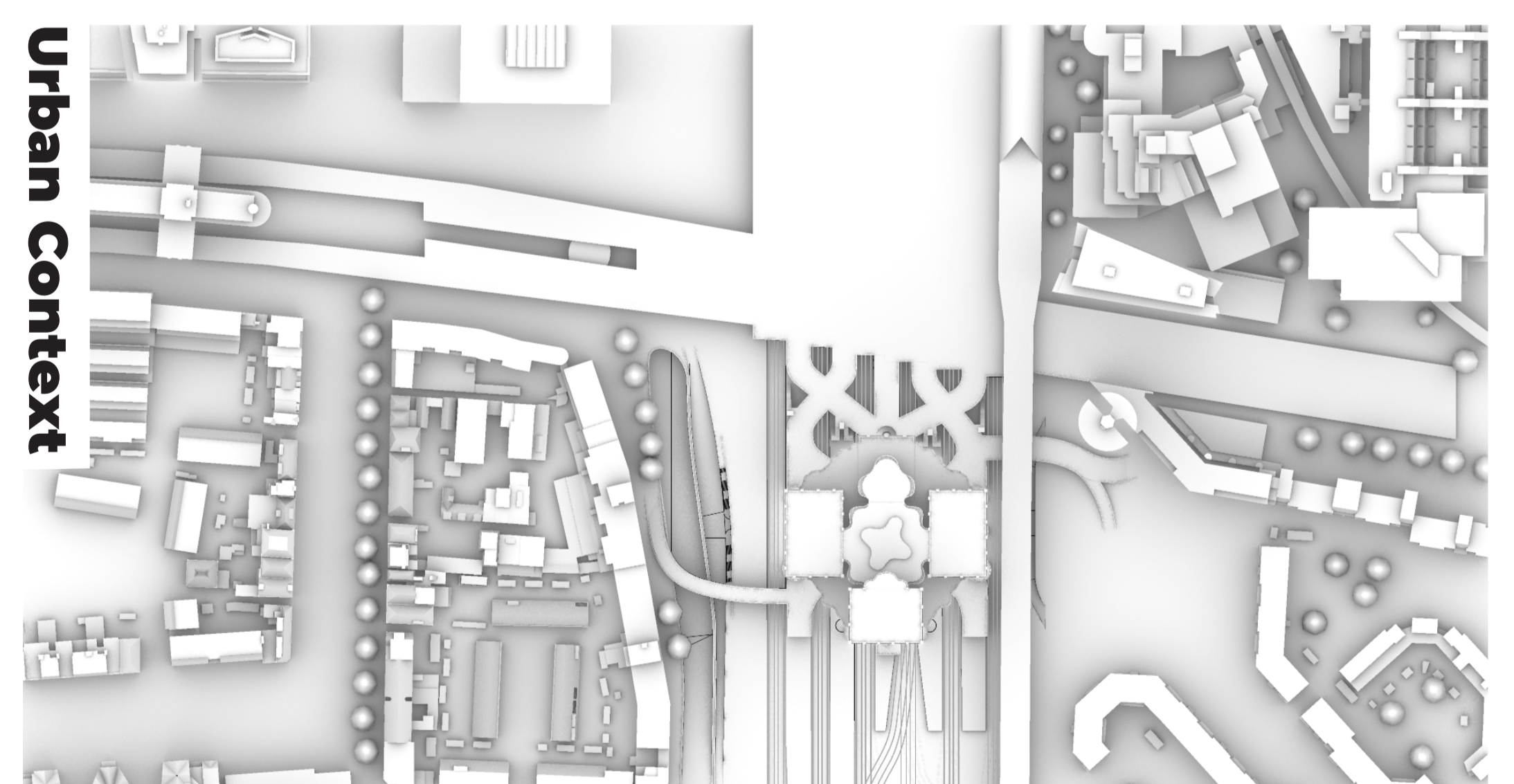
The Site



Urban Elevation

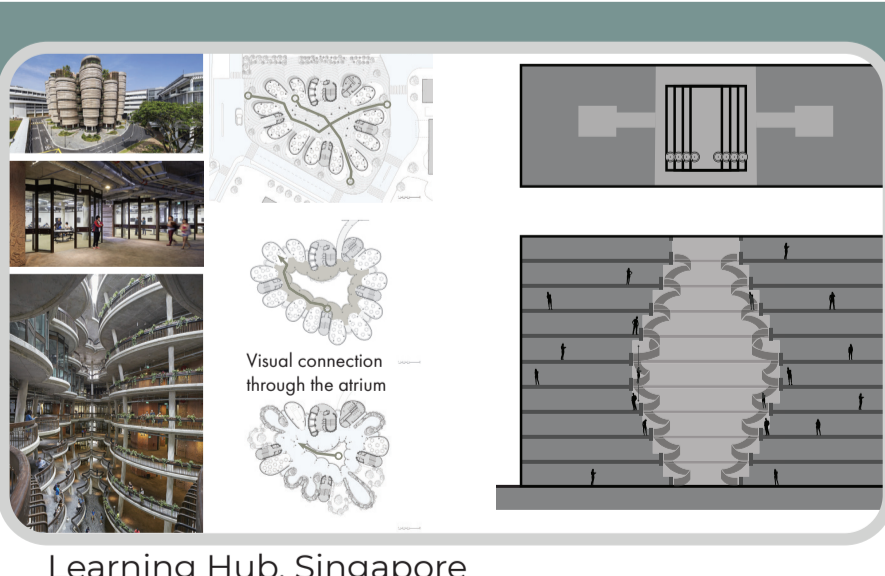


Urban Elevation

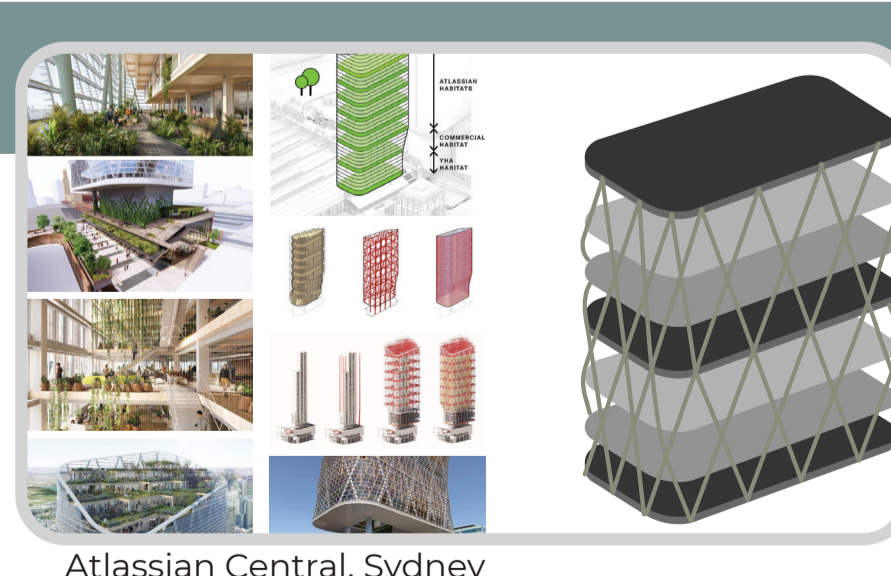


Urban Context

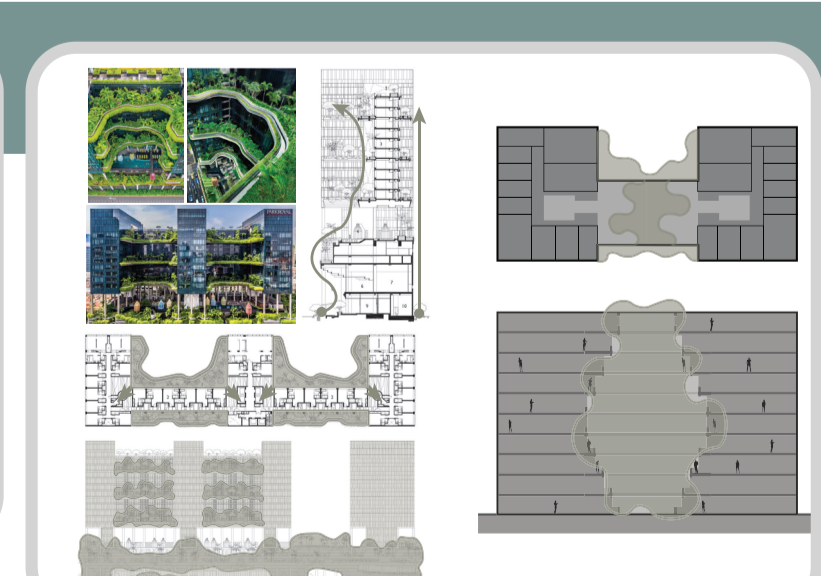
A Product



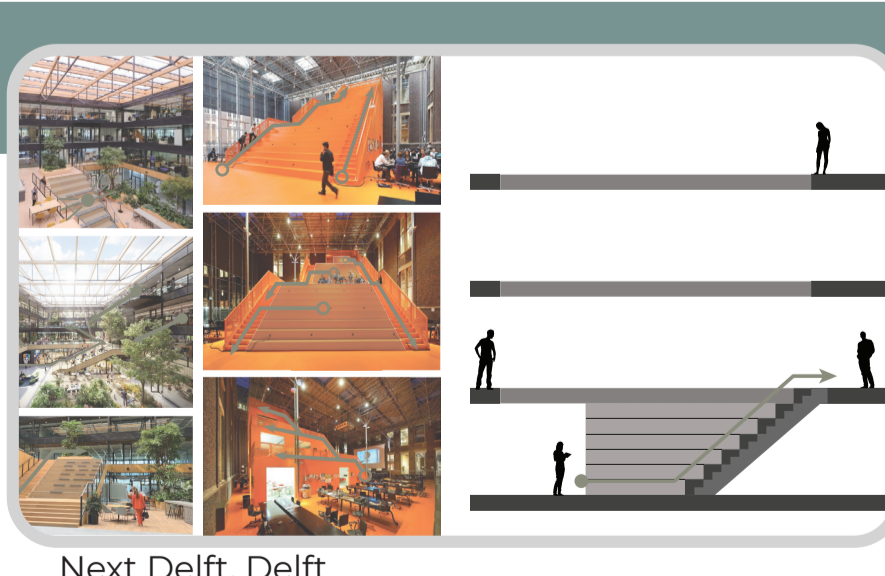
Learning Hub, Singapore



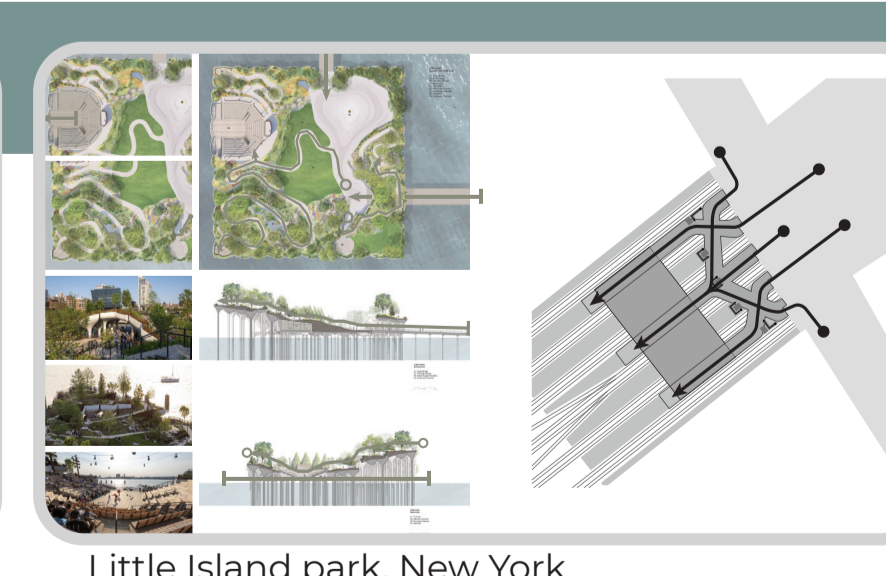
Atlassian Central, Sydney



ParkRoyal Hotel, Singapore



Next Delft, Delft



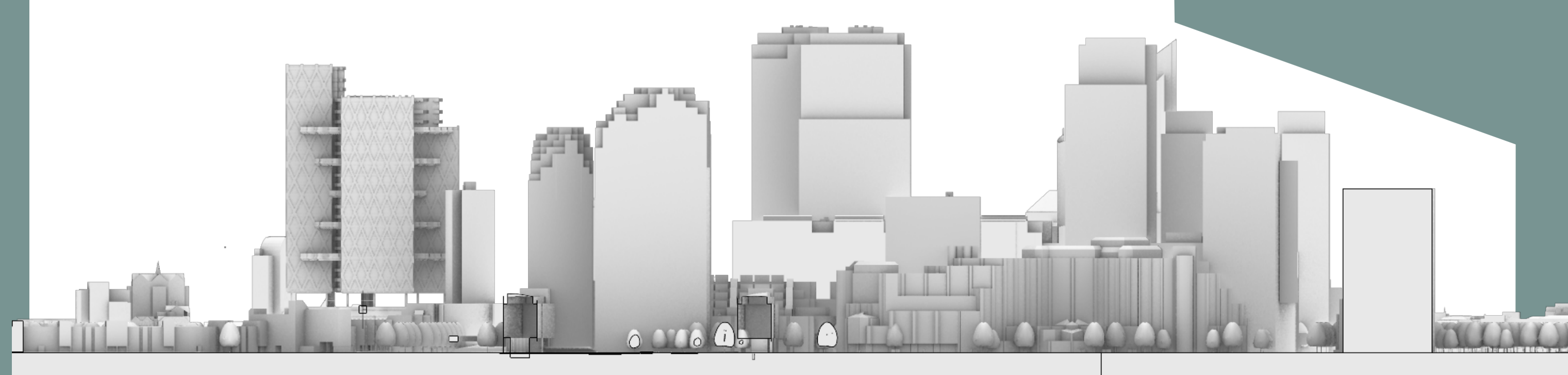
Little Island park, New York

Of Research

Urban Section



Urban Section



Building Layout: Programmatic Placement & Building Appearance

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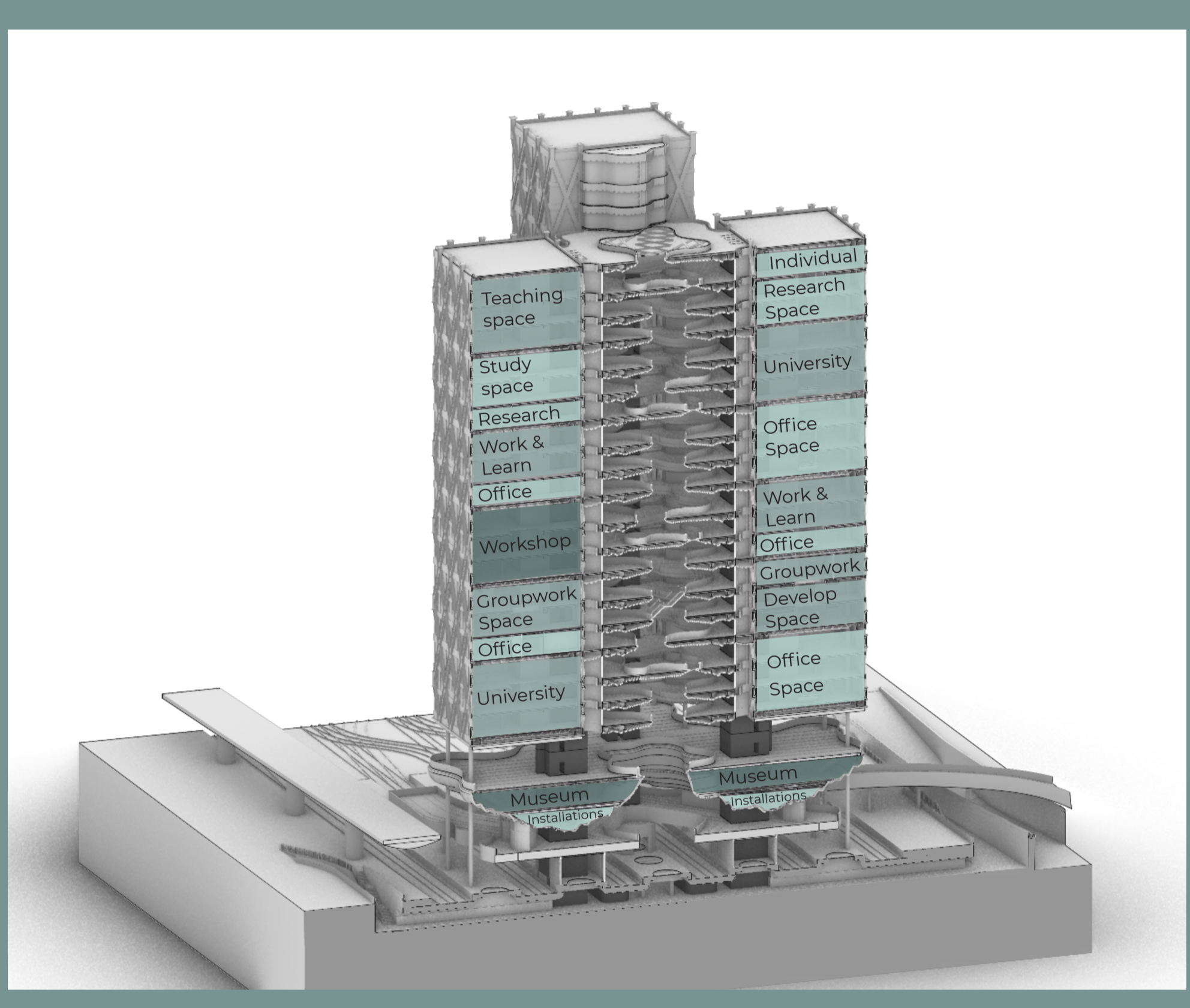
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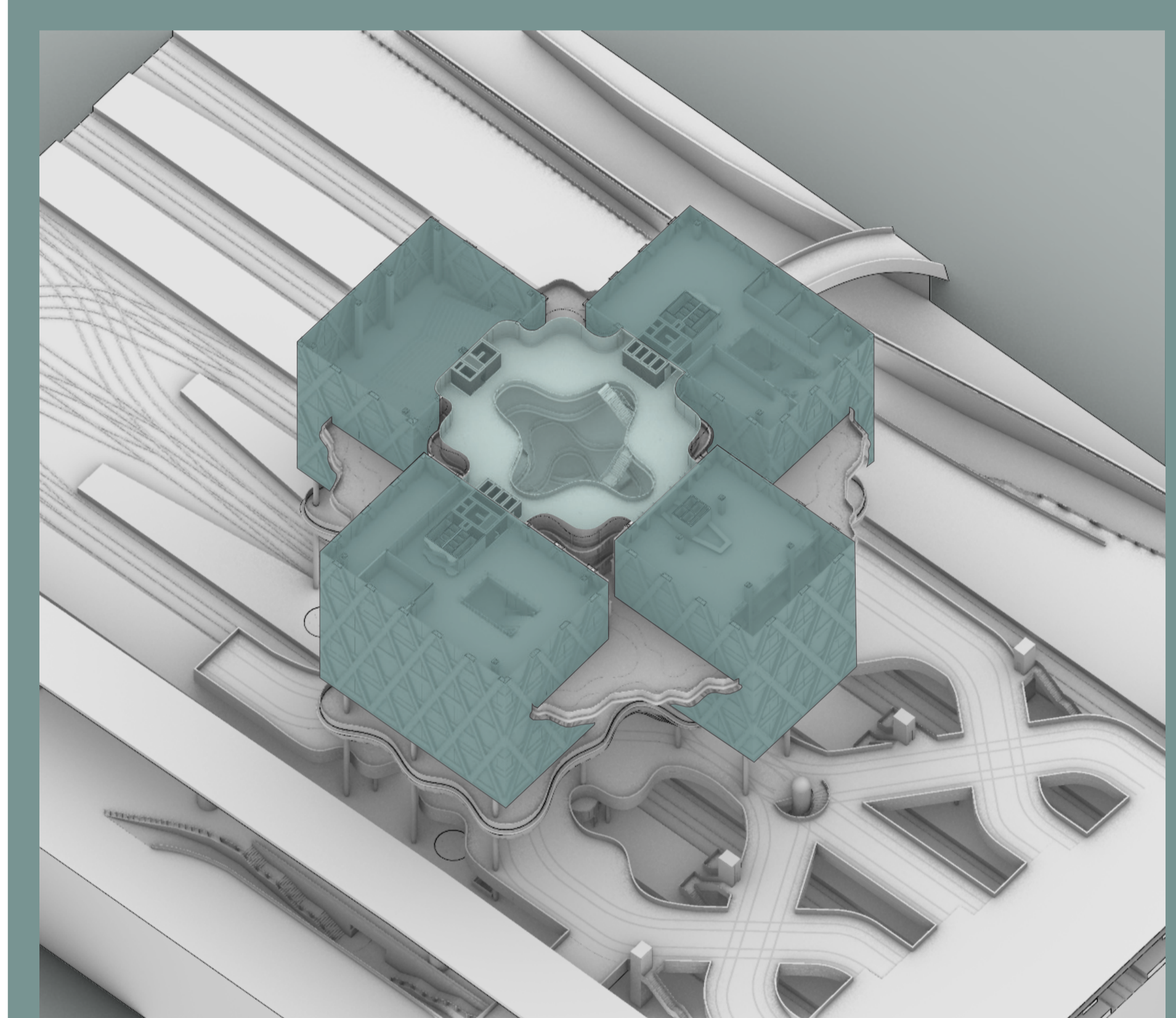
Layout



Programmatic section



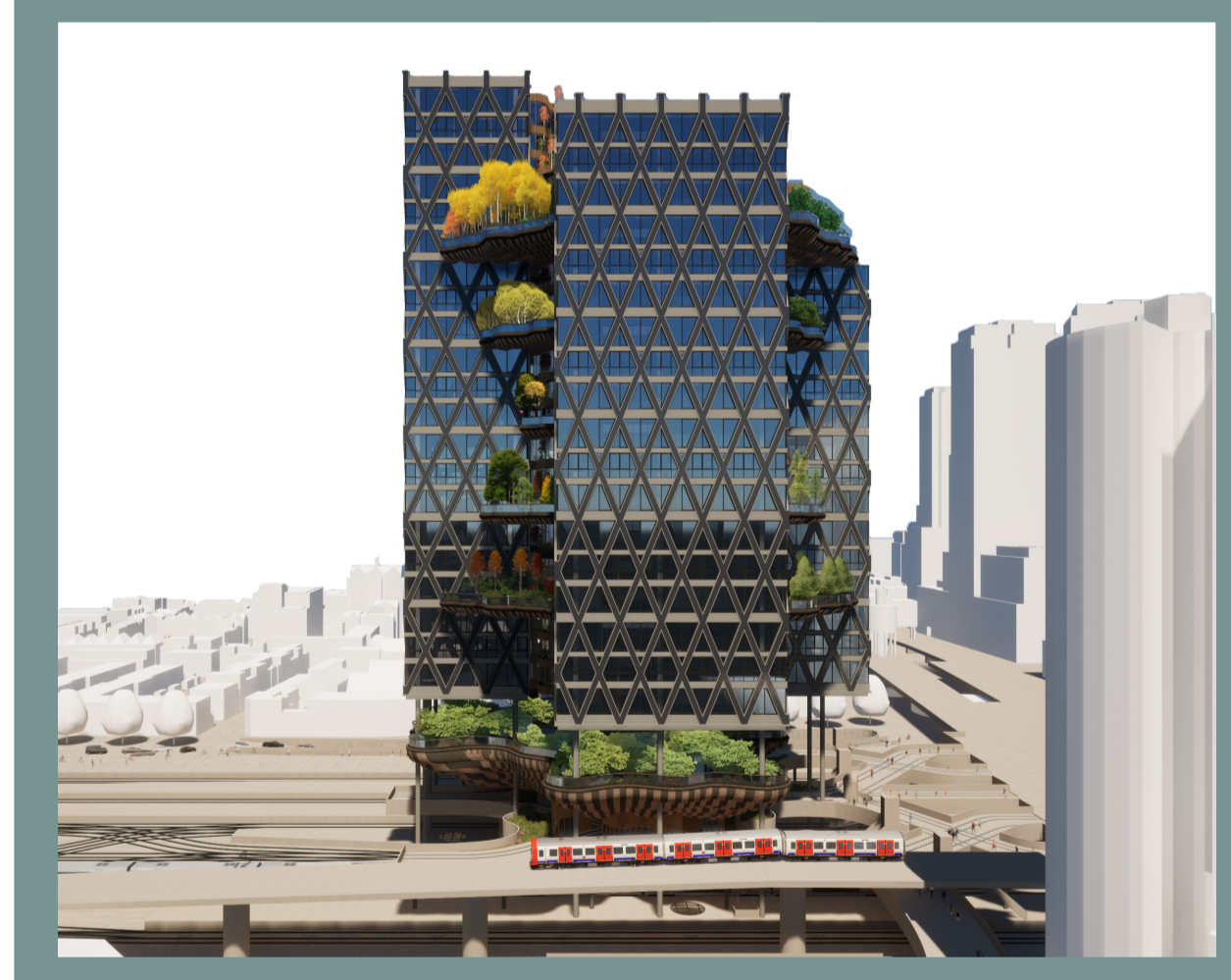
Elevation East



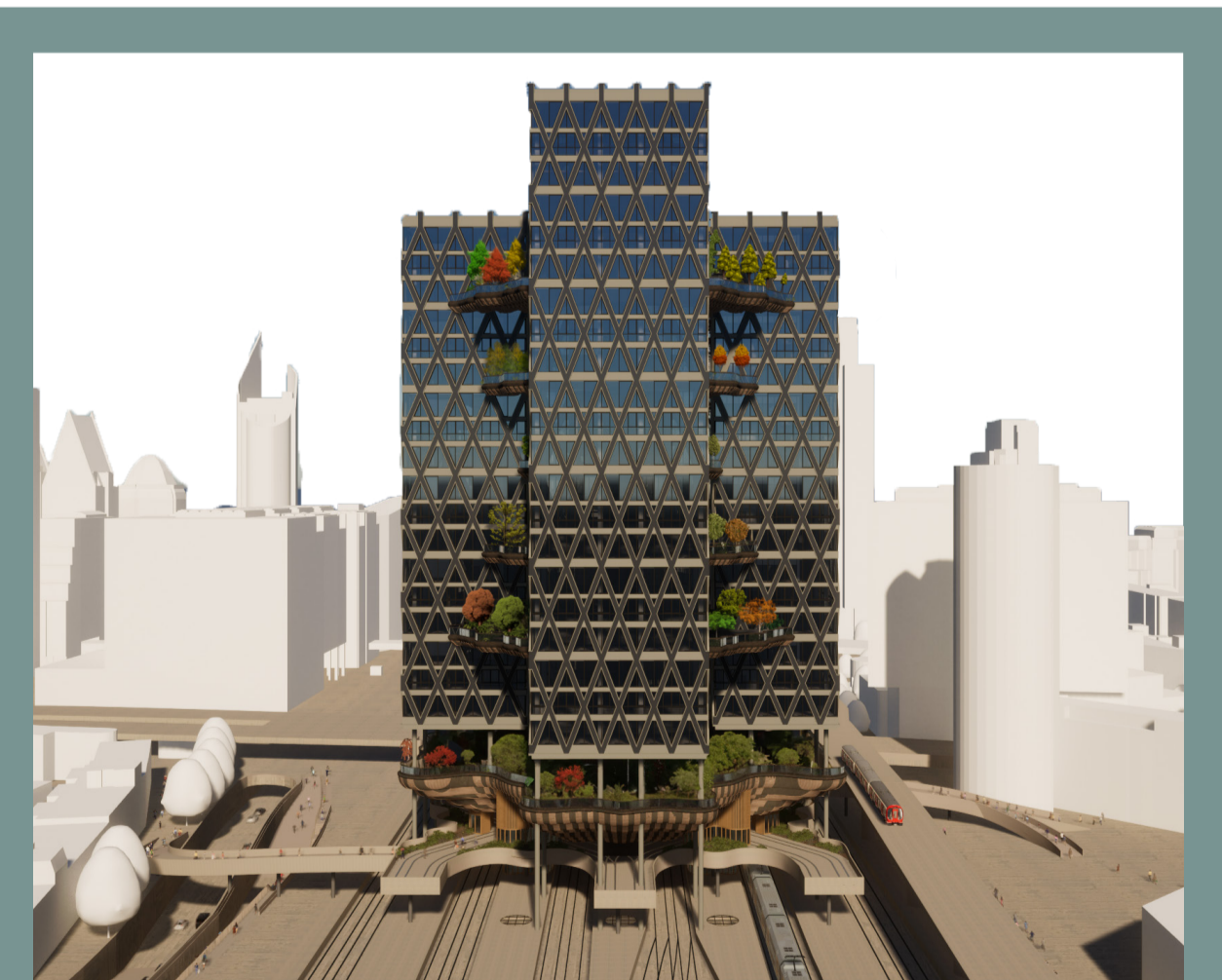
Elevation North



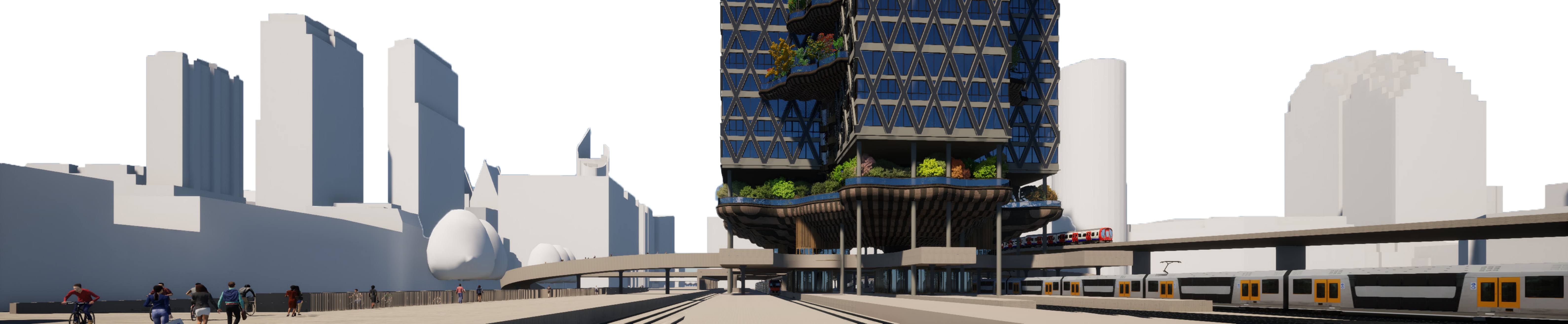
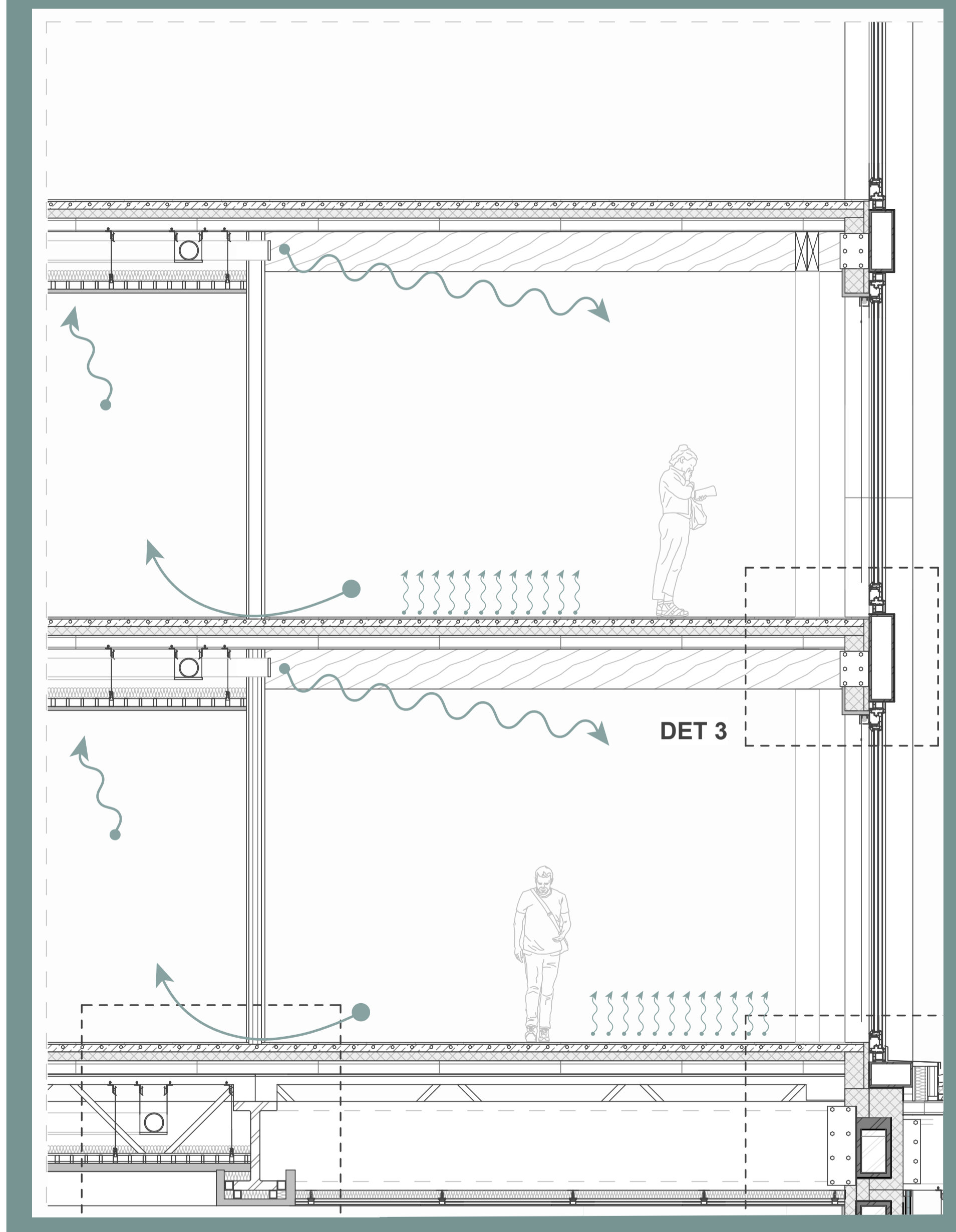
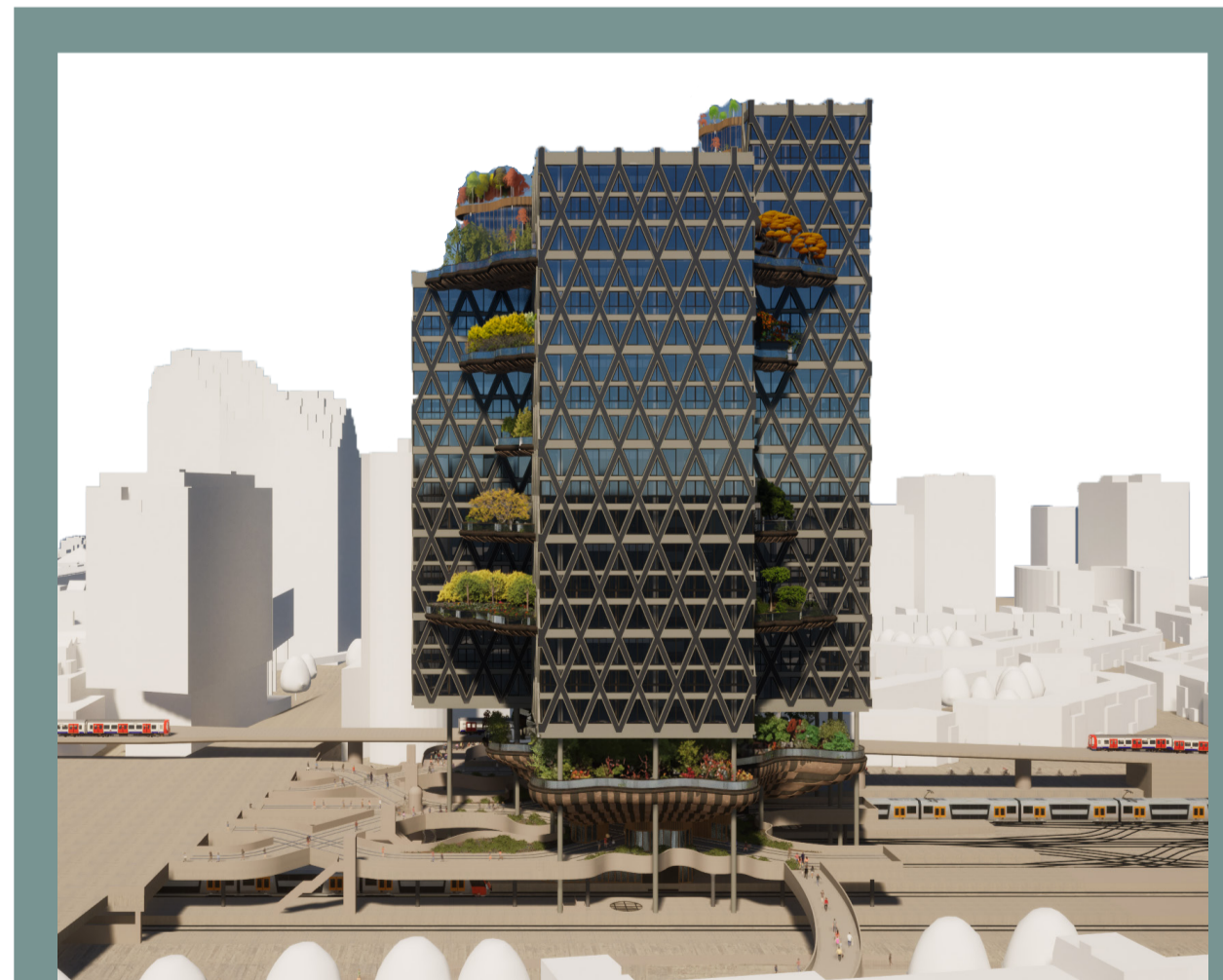
Elevation East



Elevation South



Elevation West

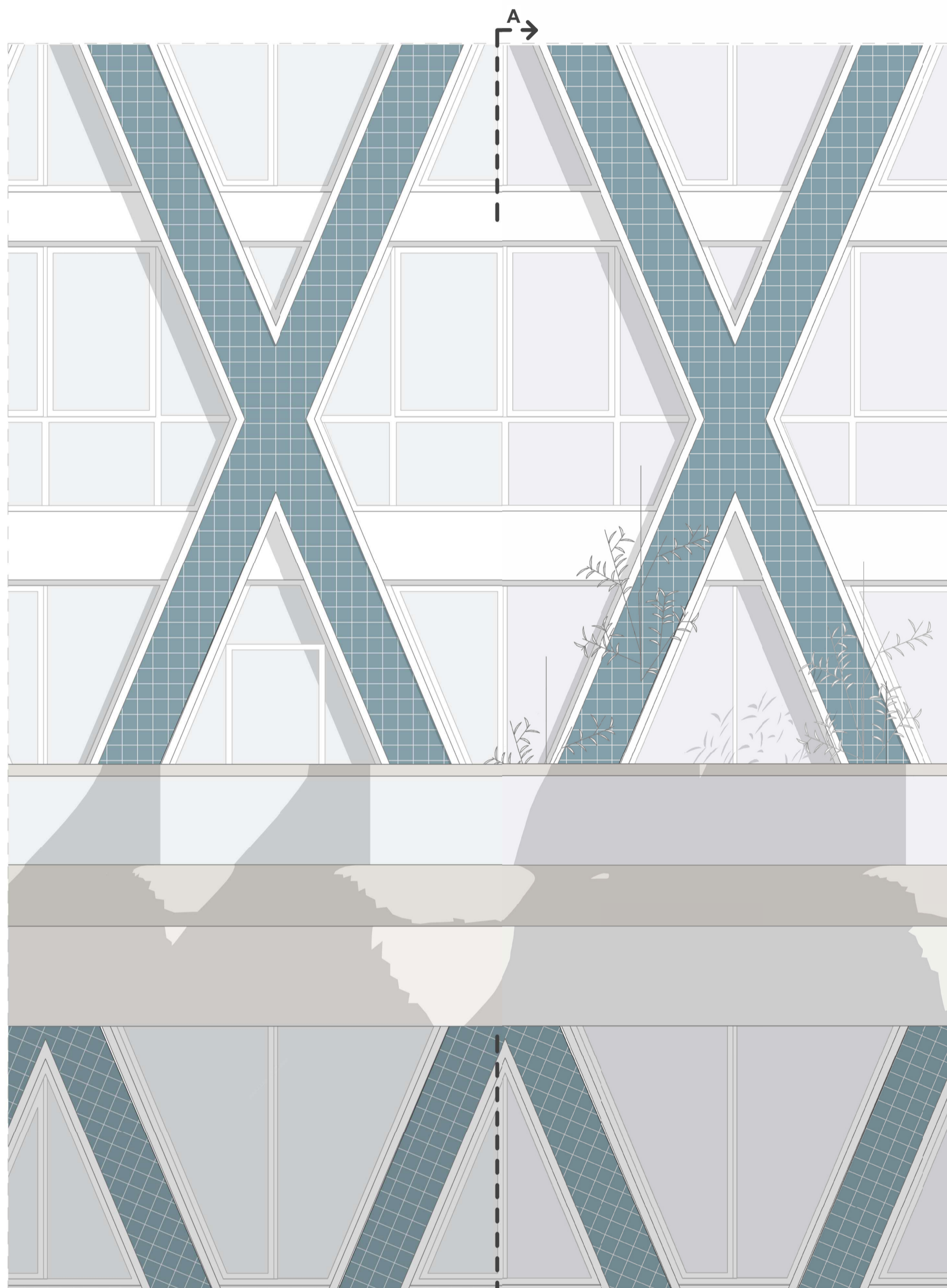
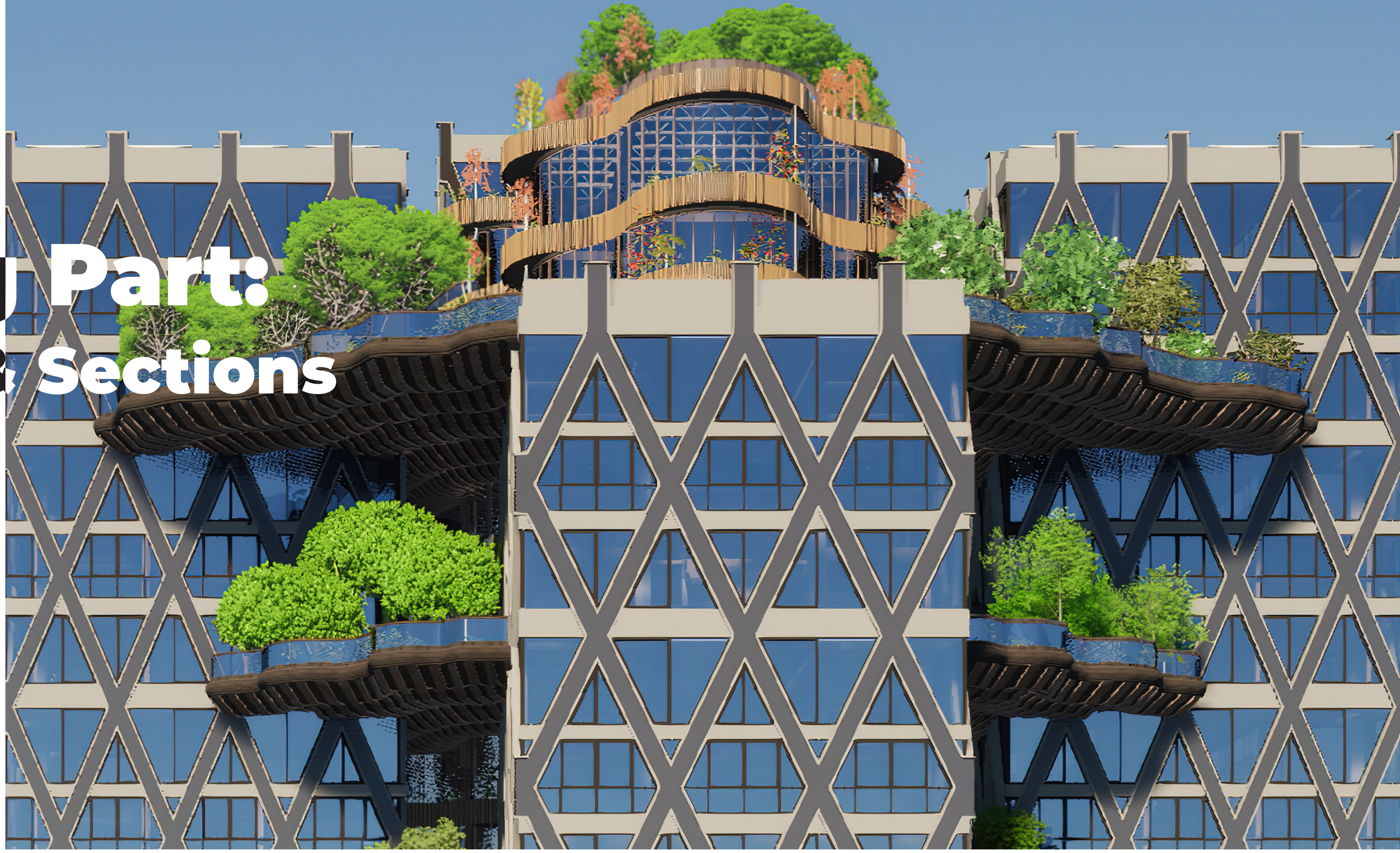


Building Part: Detailing & Sections

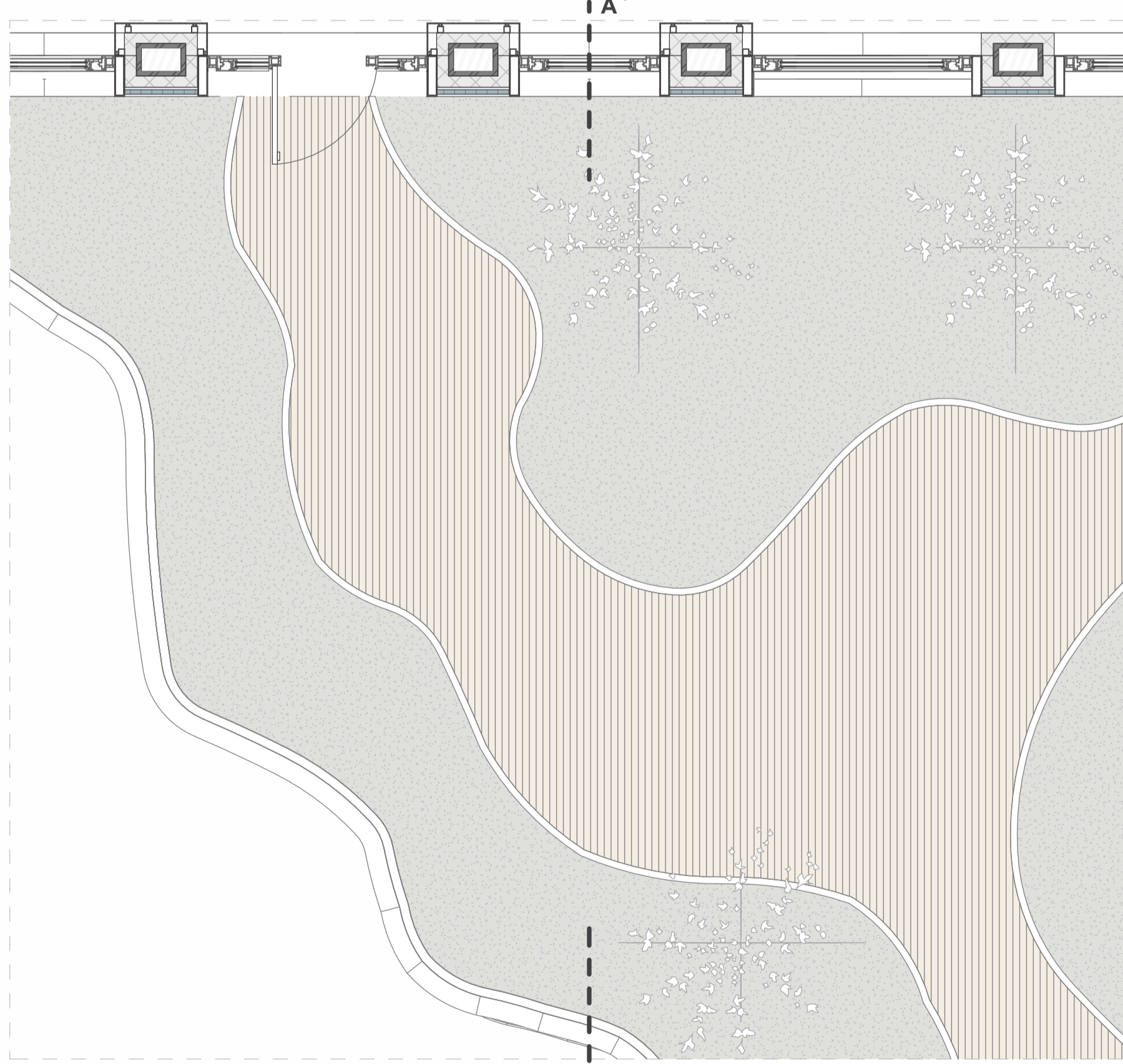
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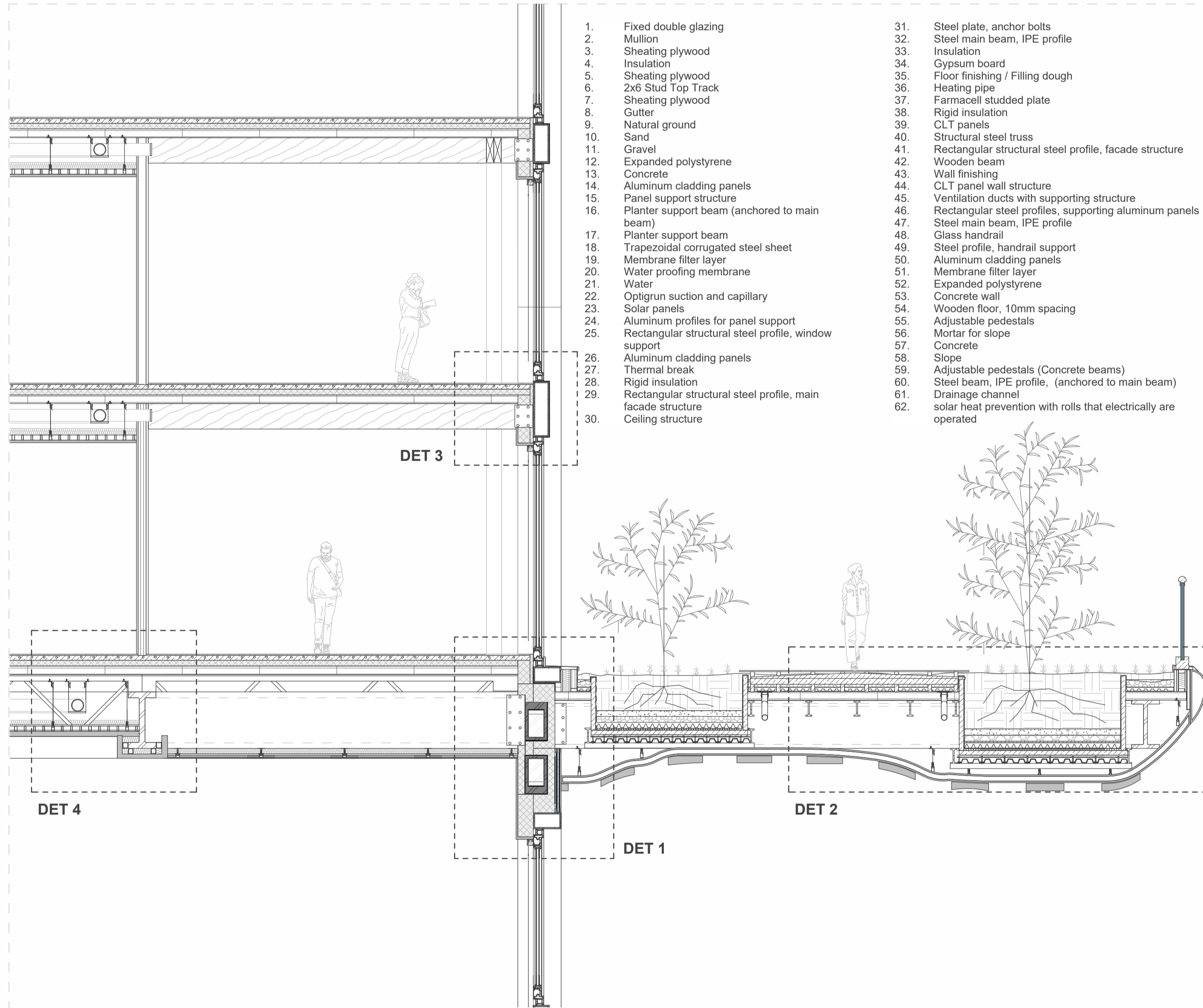
Elevation



ELEVATION 1:50

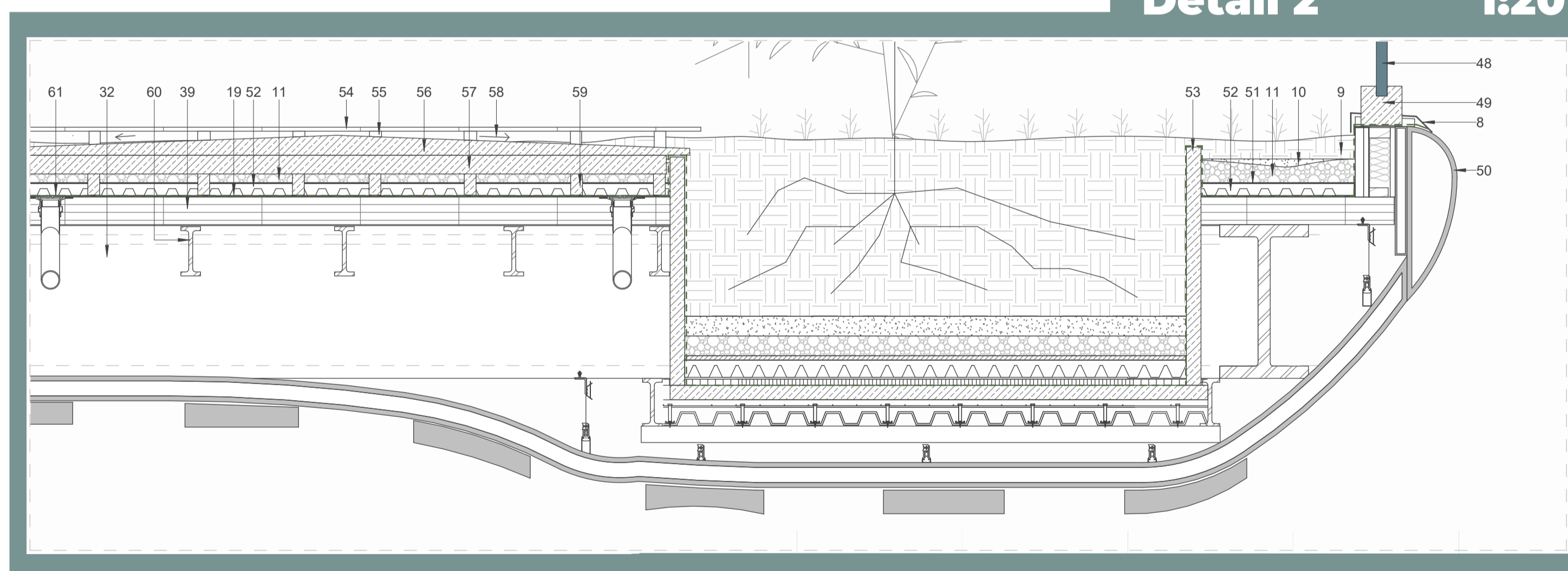


PLAN 1:50

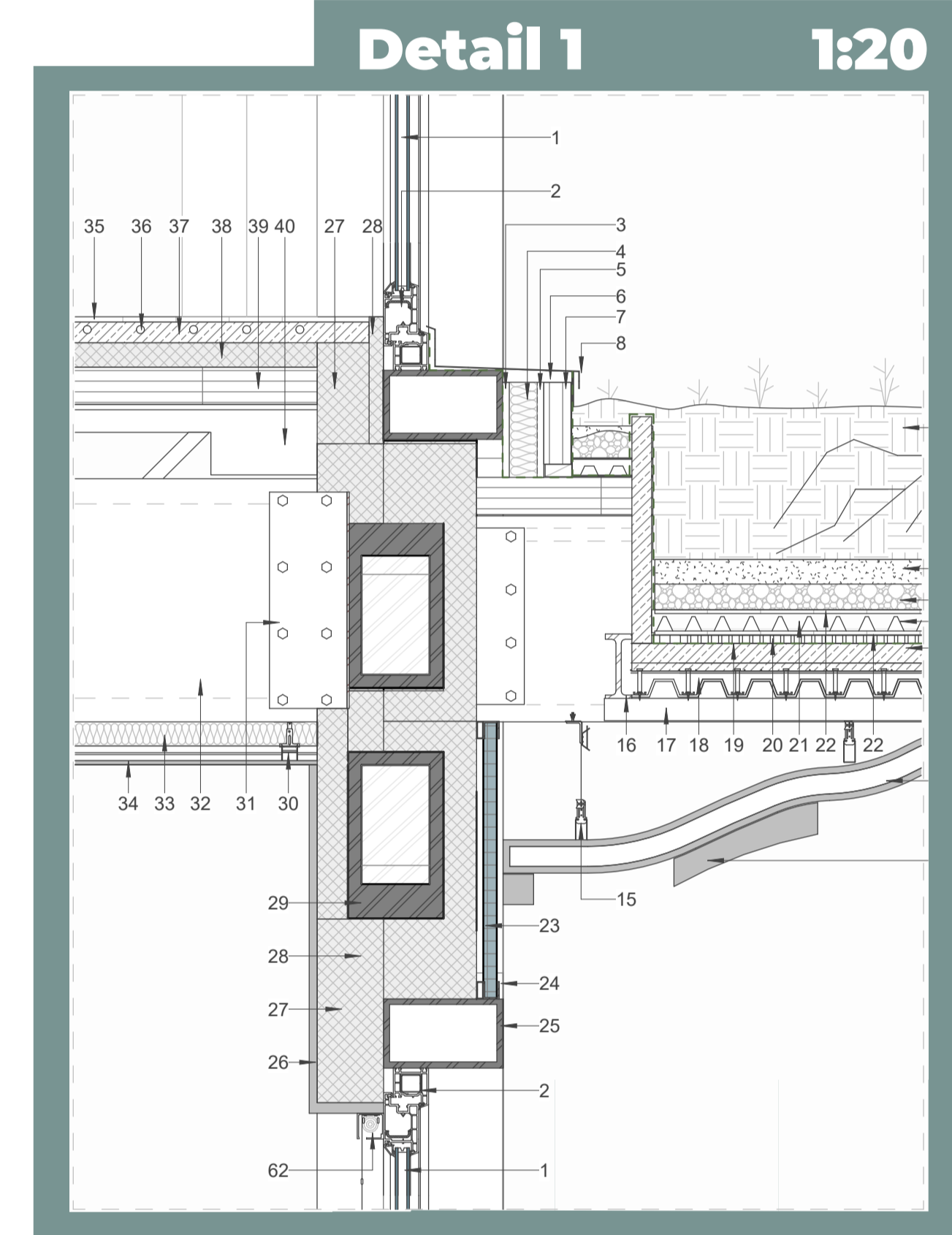


SECTION A-A 1:50

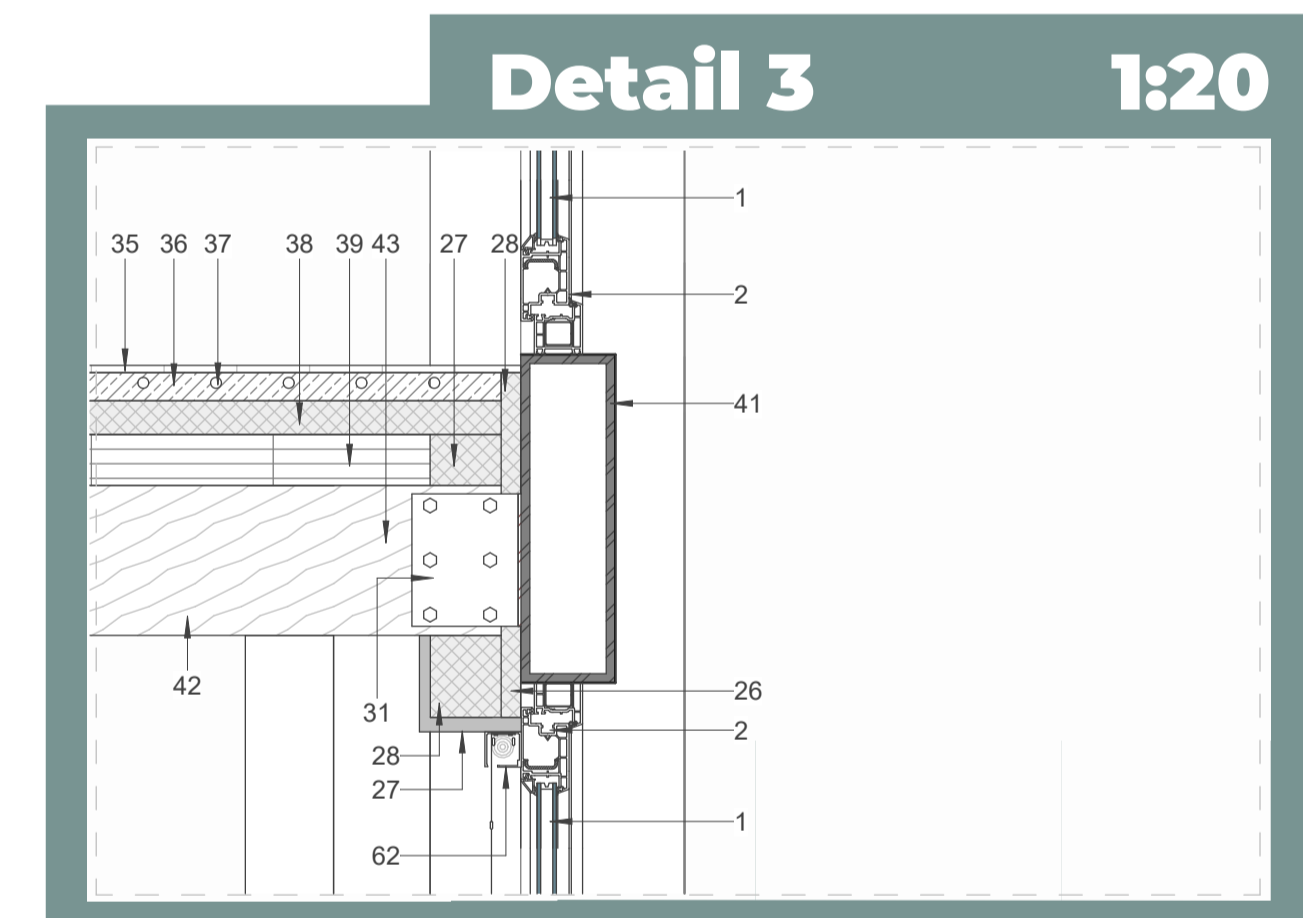
Detailing



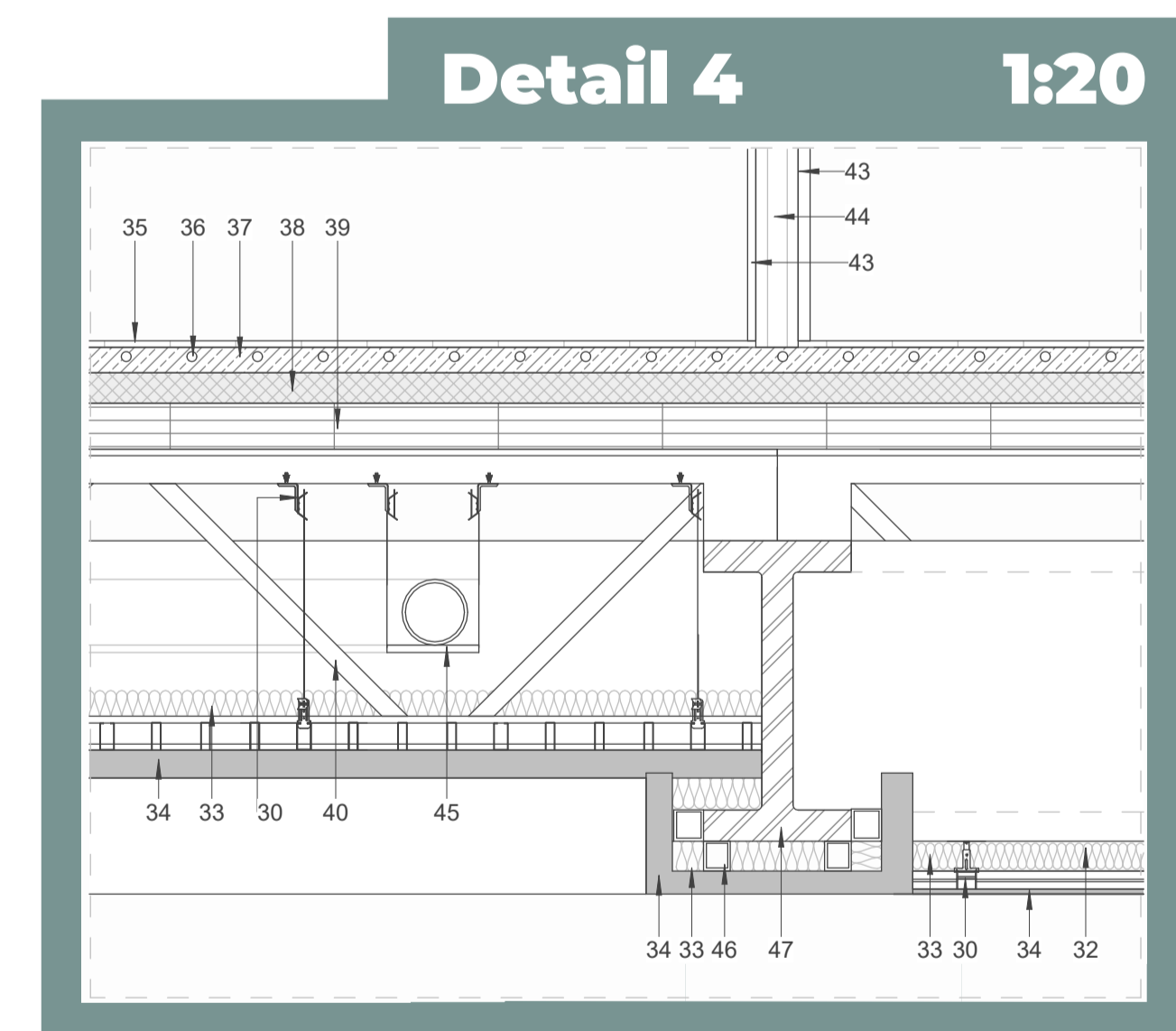
Detail 2 1:20



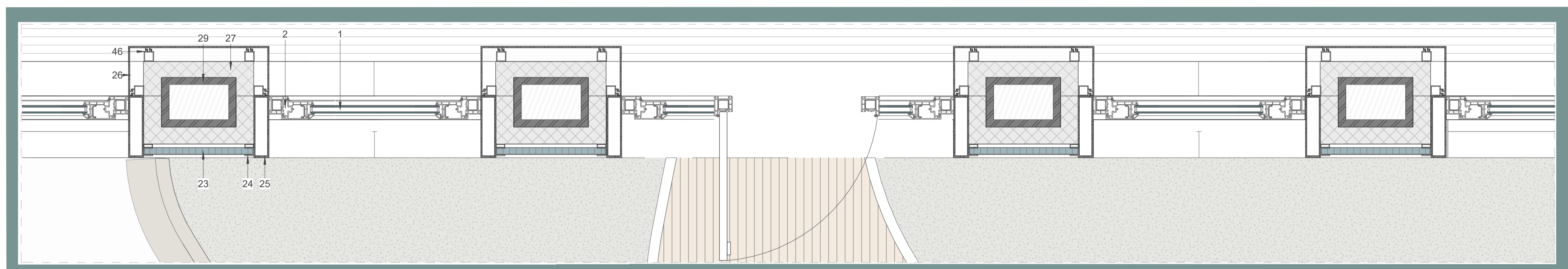
Detail 1 1:20



Detail 3 1:20



Detail 4 1:20

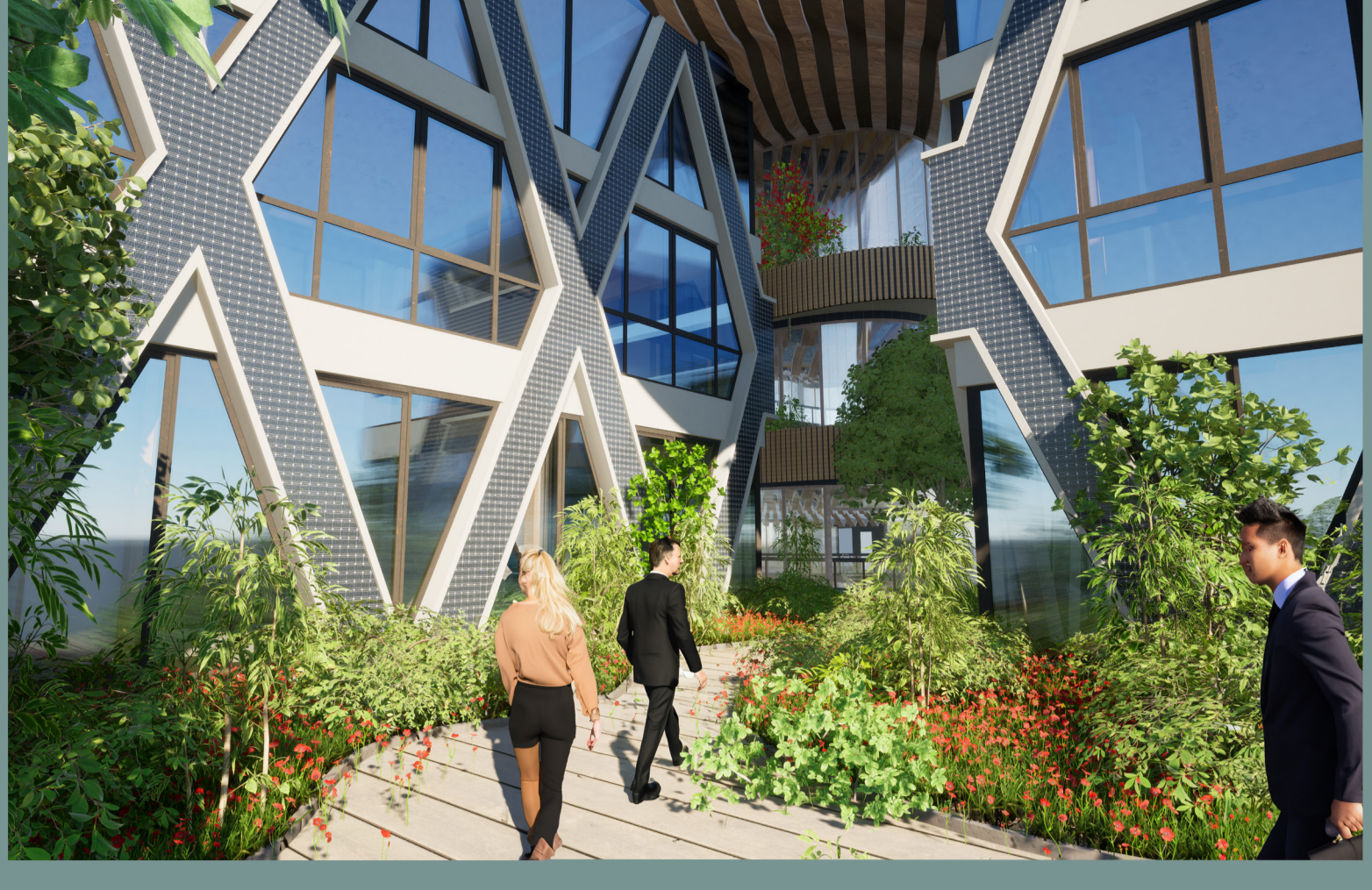


Detail plan 1:20

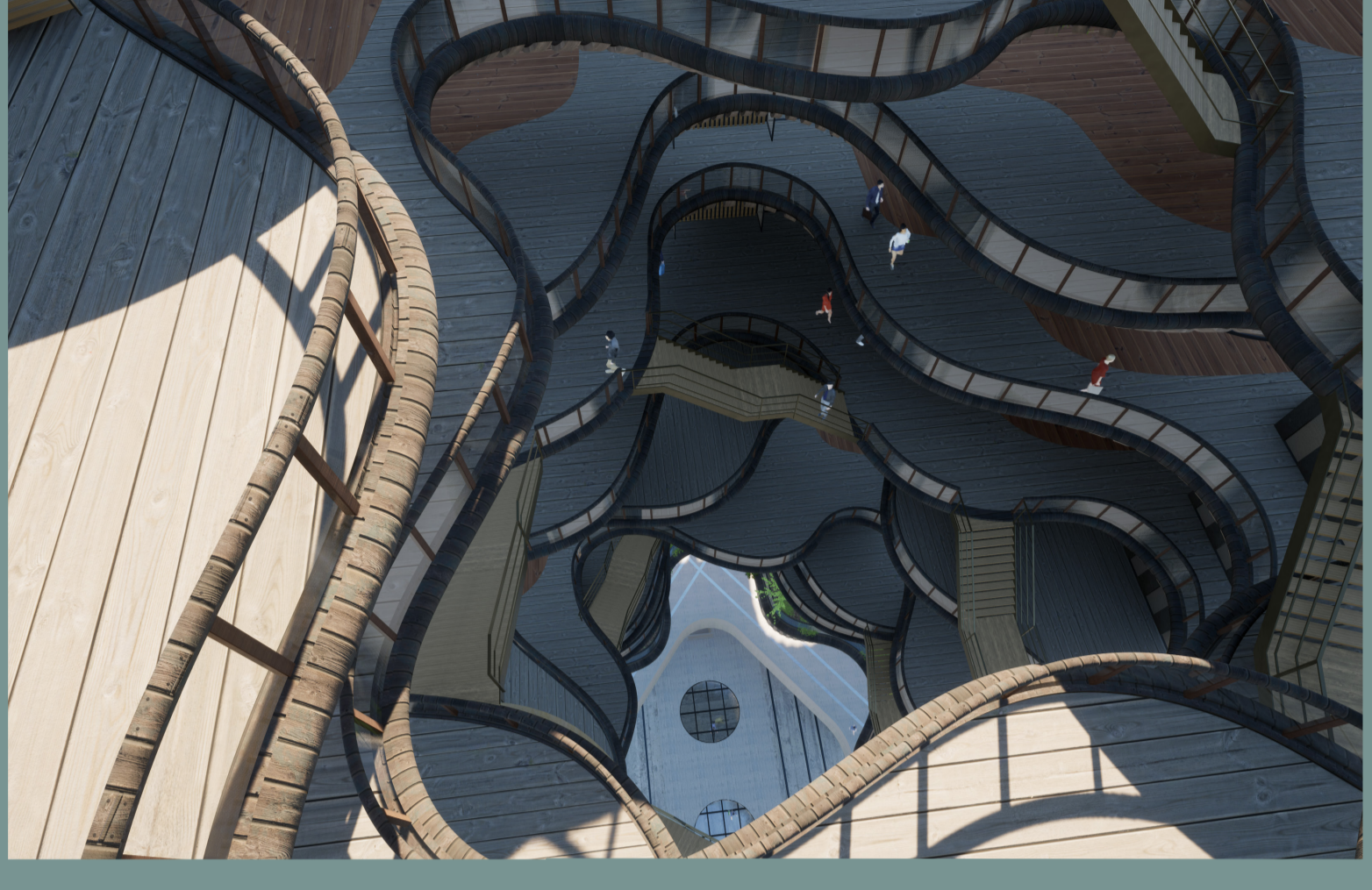
Legend

- | | | | | | |
|-------------------------|--|--|-------------------------------------|-------------------------------------|--|
| 1. Fixed double glazing | 12. Expanded polystyrene | 21. Water | 31. Steel plate, anchor bolts | 42. Wooden beam | 53. Concrete wall |
| 2. Mullion | 13. Concrete | 22. Optigrün suction and capillary | 32. Steel main beam, HEA profile | 43. Wall finishing | 54. Wooden floor, 10 mm spacing |
| 3. Sheeting plywood | 14. Aluminium cladding panels | 23. Solar panels | 33. Insulation | 44. CLT panel wall structure | 55. Adjustable pedestals |
| 4. Insulation | 15. Panel support structure | 24. Aluminium profiles for panel support | 34. Gypsum board | 45. Ventilation ducts | 56. Mortar for slope |
| 5. Sheeting plywood | 16. Planter support beam (anchored to main beam) | 25. Steel profile, window support | 35. Floor finish carpet | 46. Support aluminium panels | 57. Concrete |
| 6. 2x6 Stud Top Track | 17. Planter support beam | 26. Aluminium cladding panels | 36. Heating pipe | 47. Steel main beam, HEA profile | 58. Slope |
| 7. Sheeting plywood | 18. Trapezoidal corrugated steel sheet | 27. Thermal break | 37. Farmacell studded plate | 48. Glass handrail | 59. Adjustable pedestals concrete |
| 8. Gutter | 19. Membrane filter layer | 28. Rigid insulation | 38. Rigid insulation | 49. Steel profile, handrail support | 60. Steel beam HEA profile (anchored to main beam) |
| 9. Natural ground | 20. Water proofing membrane | 29. Steel main facade structure | 39. CLT panels | 50. Aluminium cladding panels | 61. Drainage channel |
| 10. Sand | | 30. Ceiling structure | 40. Structural steel truss | 51. Membrane filter layer | 62. Electric solar heat prevention |
| 11. Gravel | | | 41. Steel profile, facade structure | 52. Expanded polystyrene | |

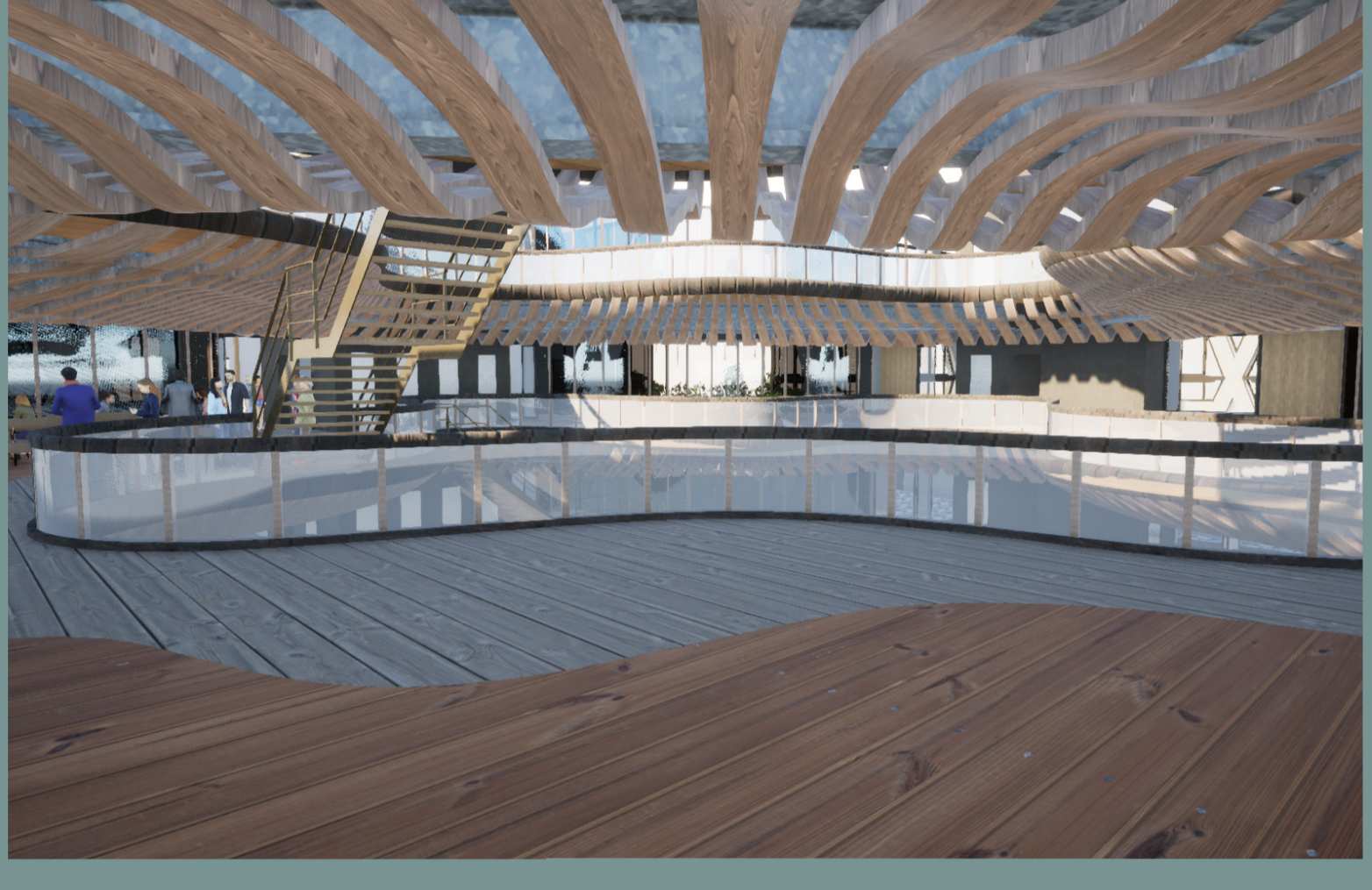
Impression 1



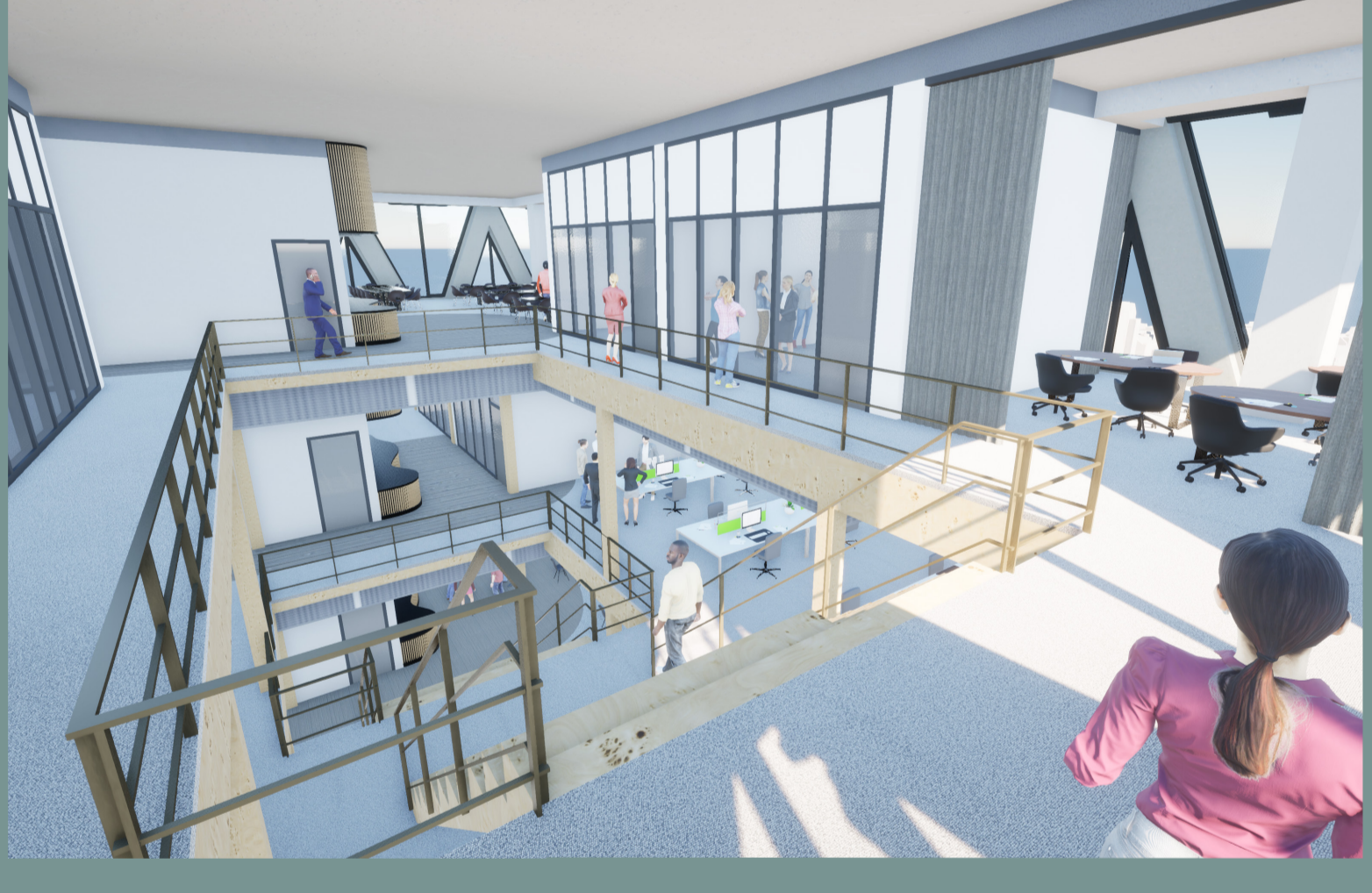
Impression 2



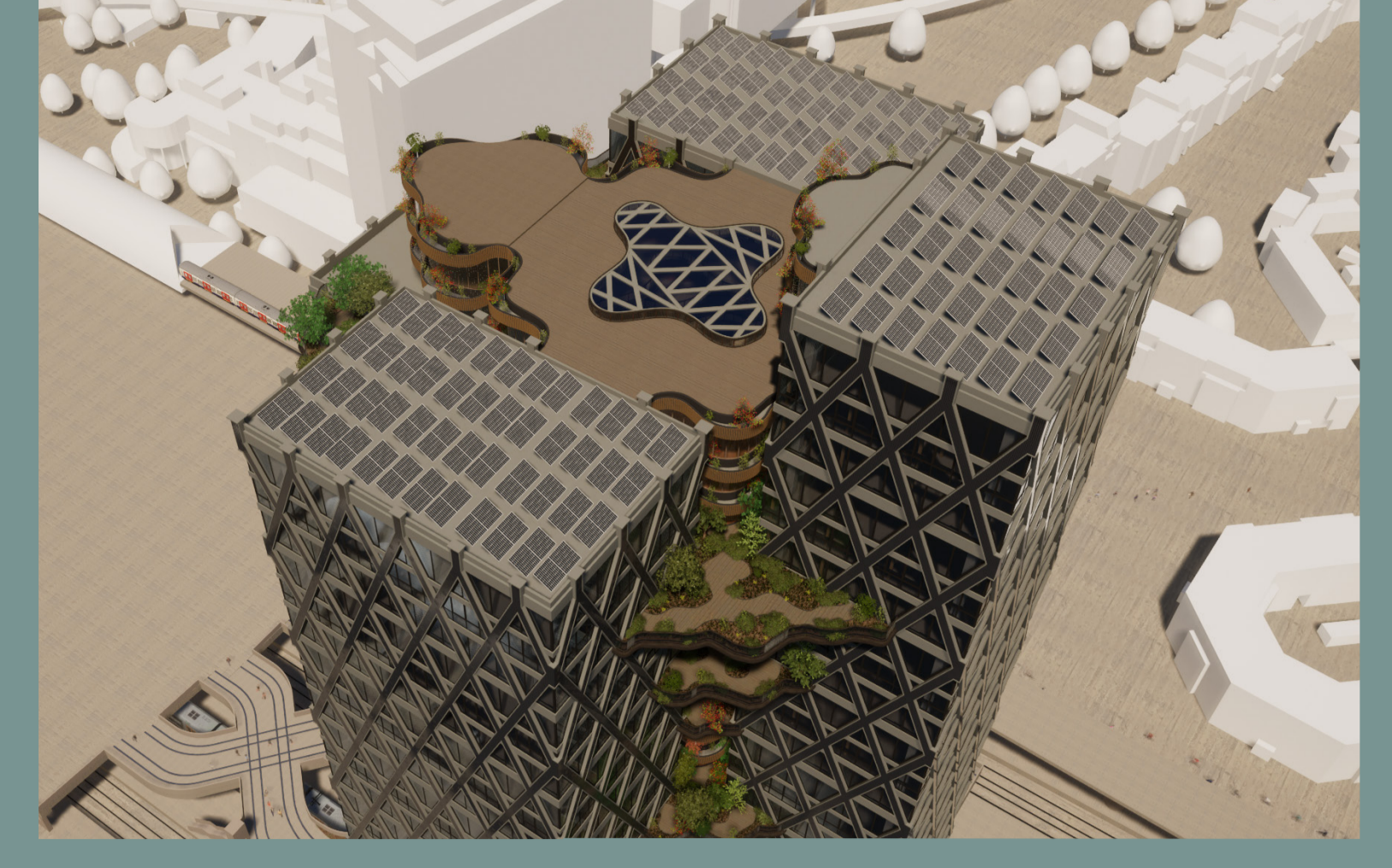
Impression 3



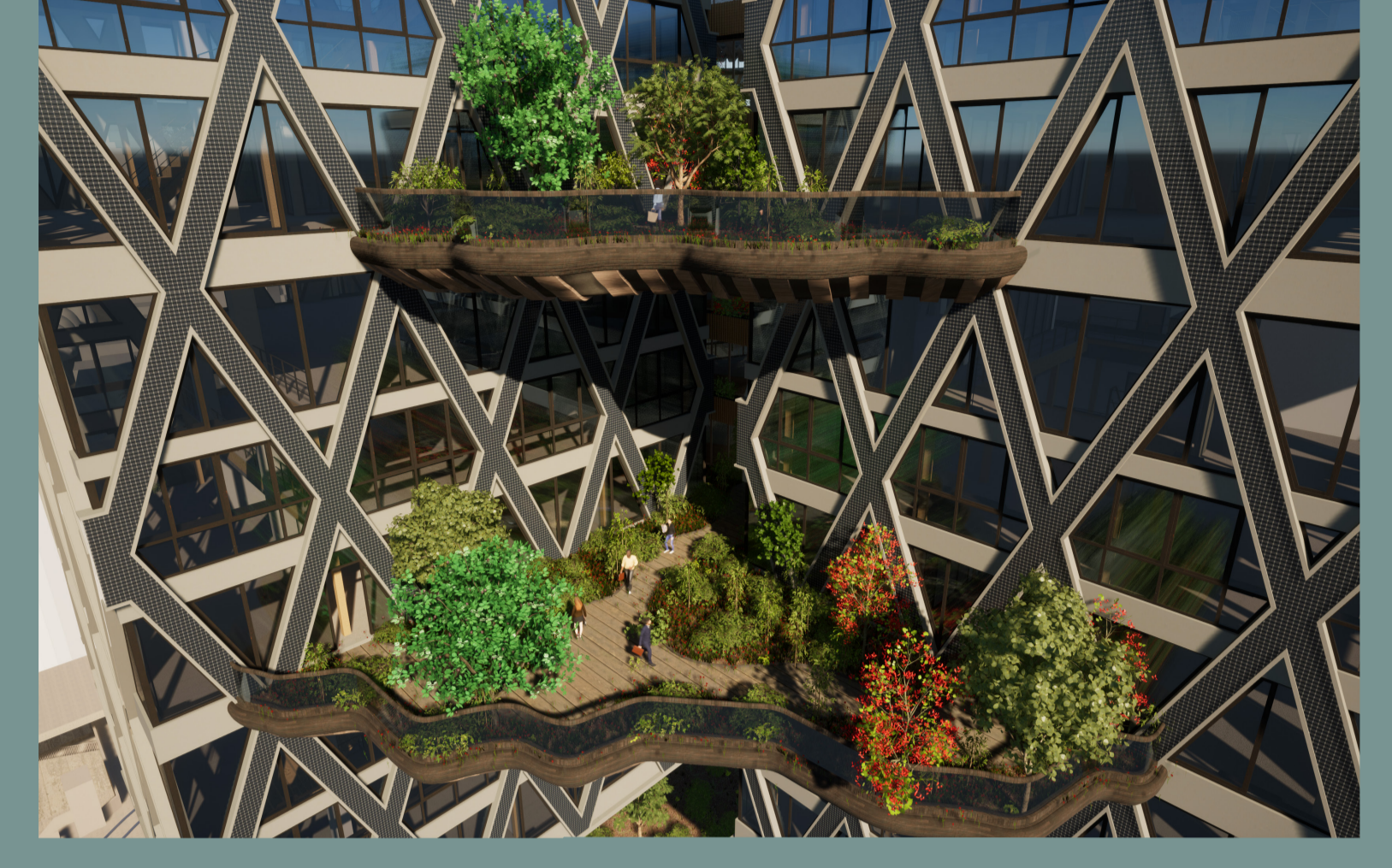
Impression 4



Impression 5



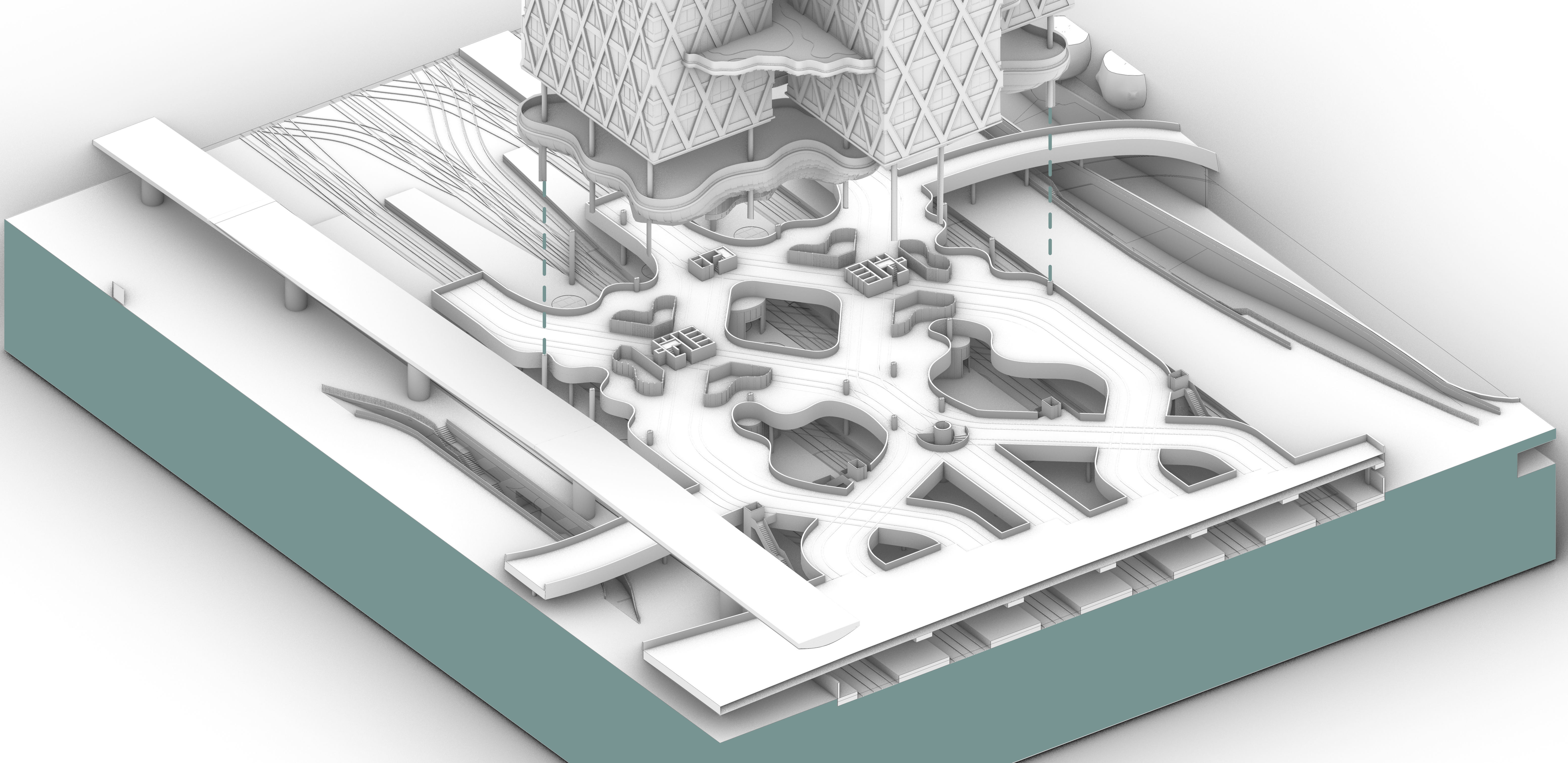
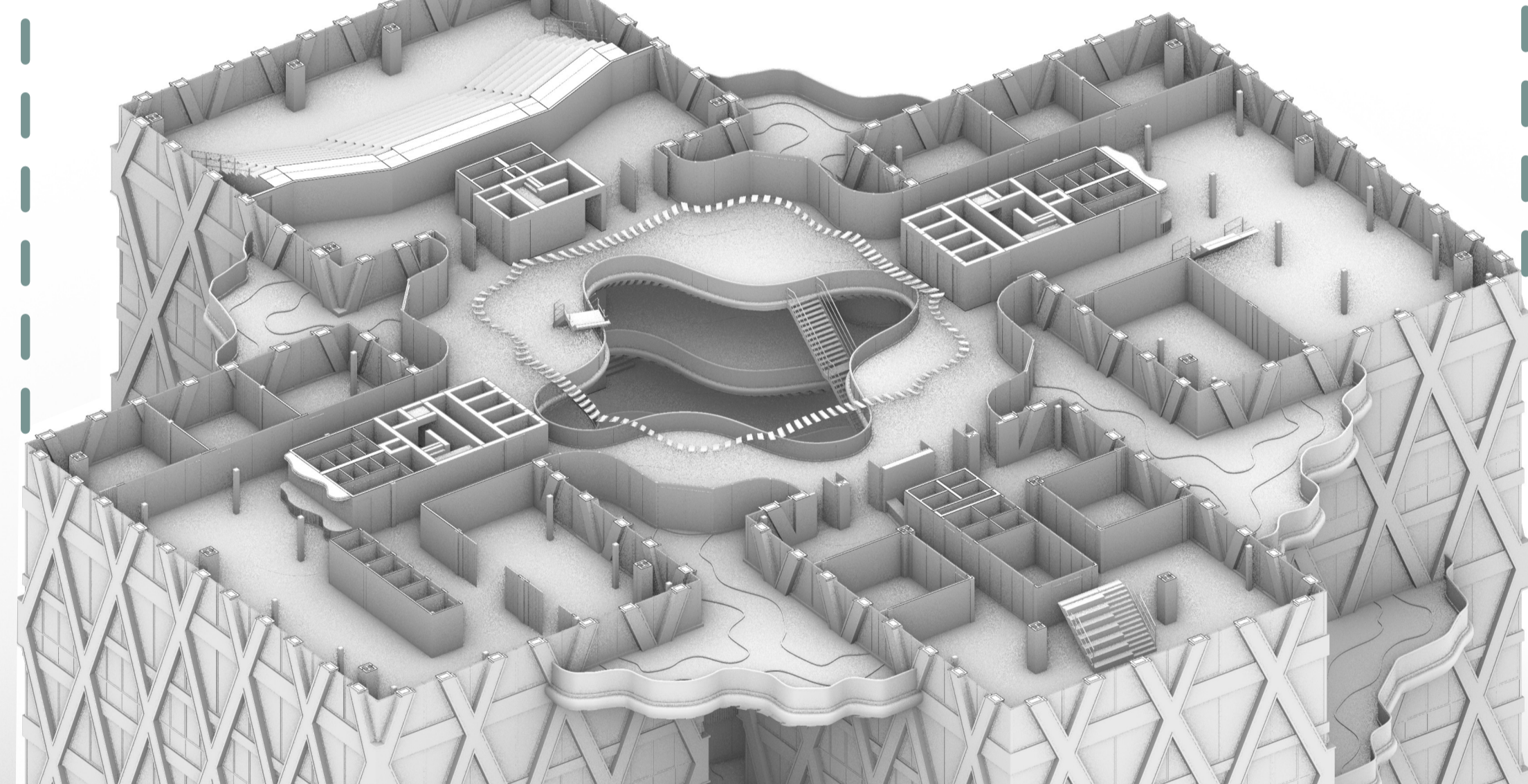
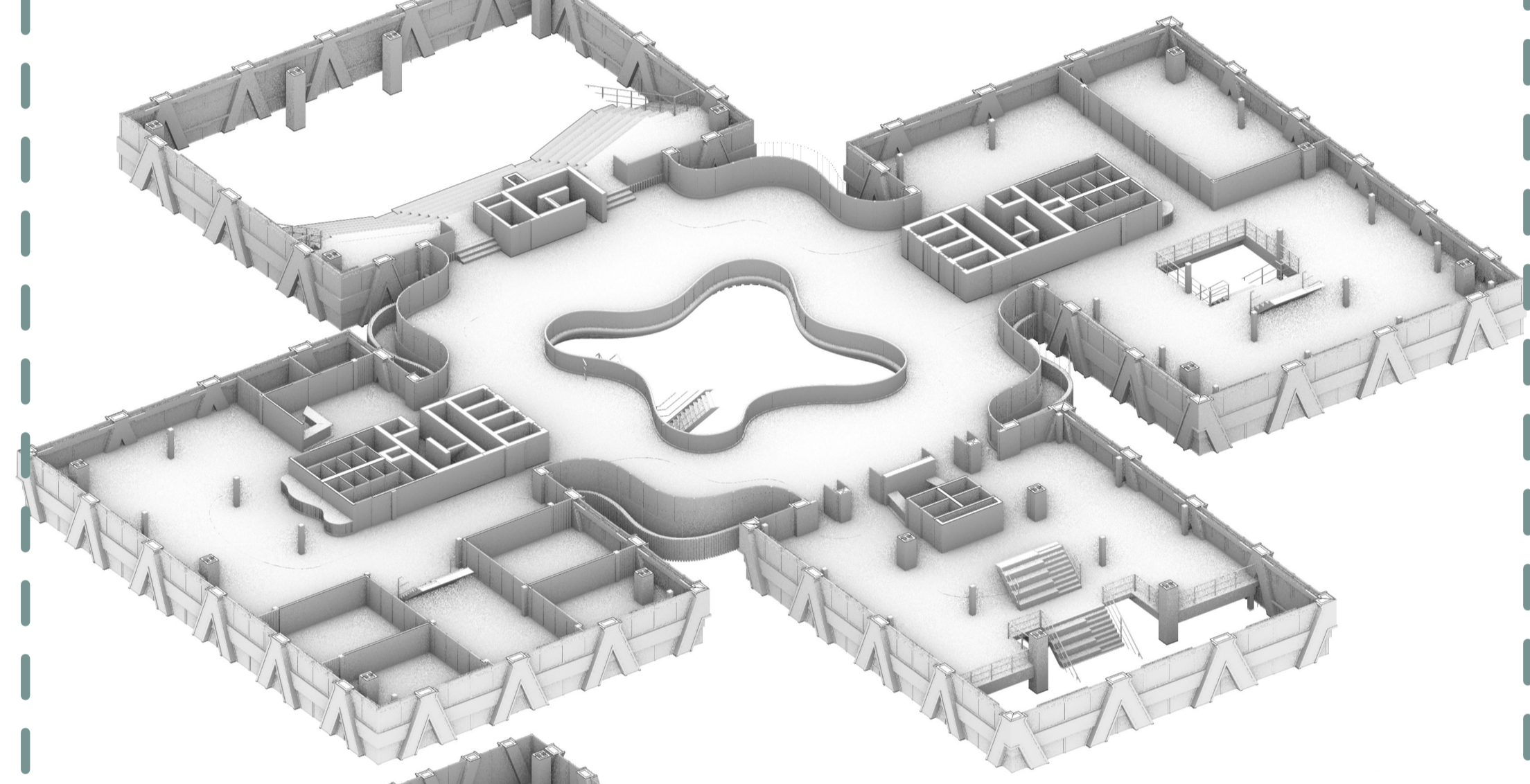
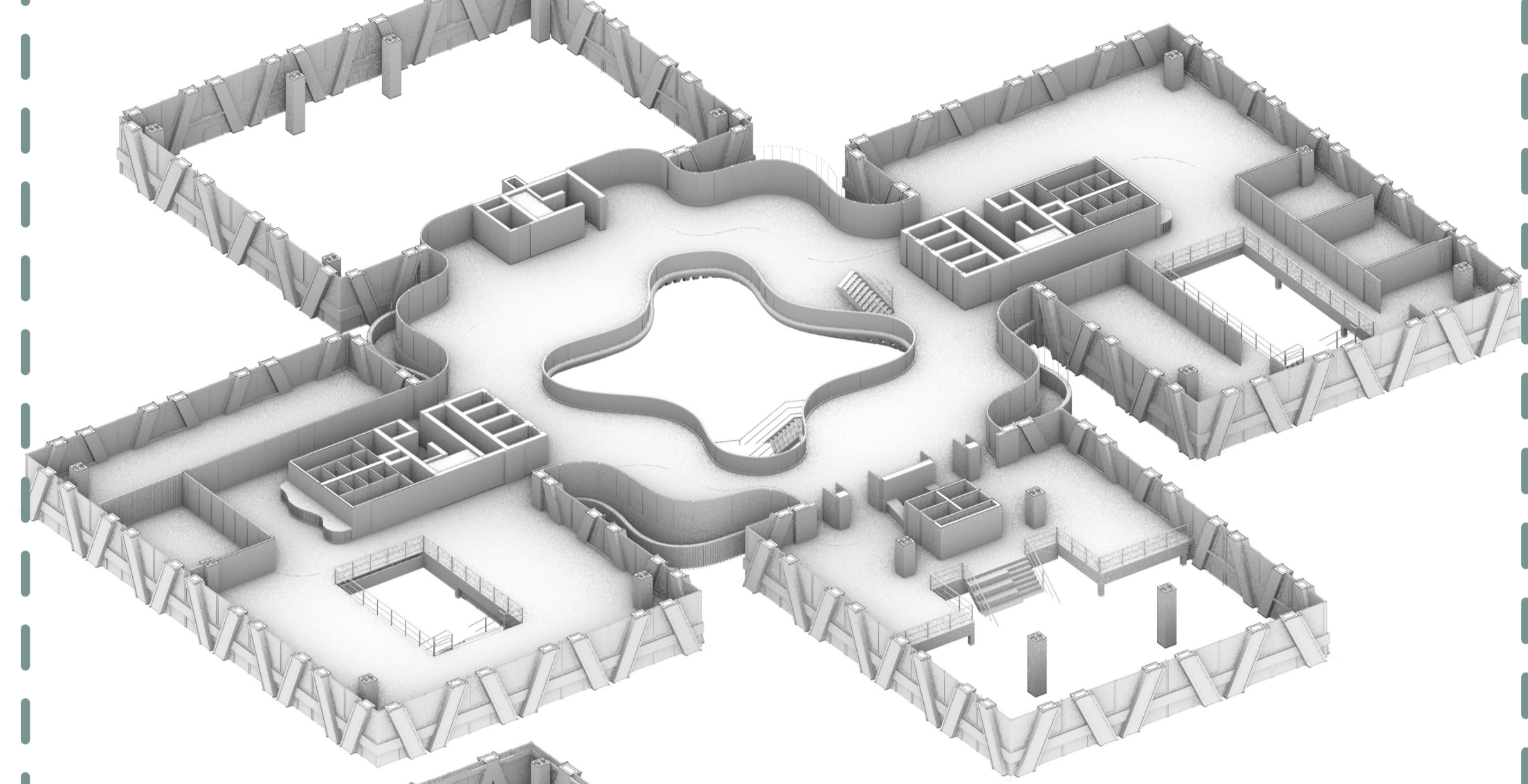
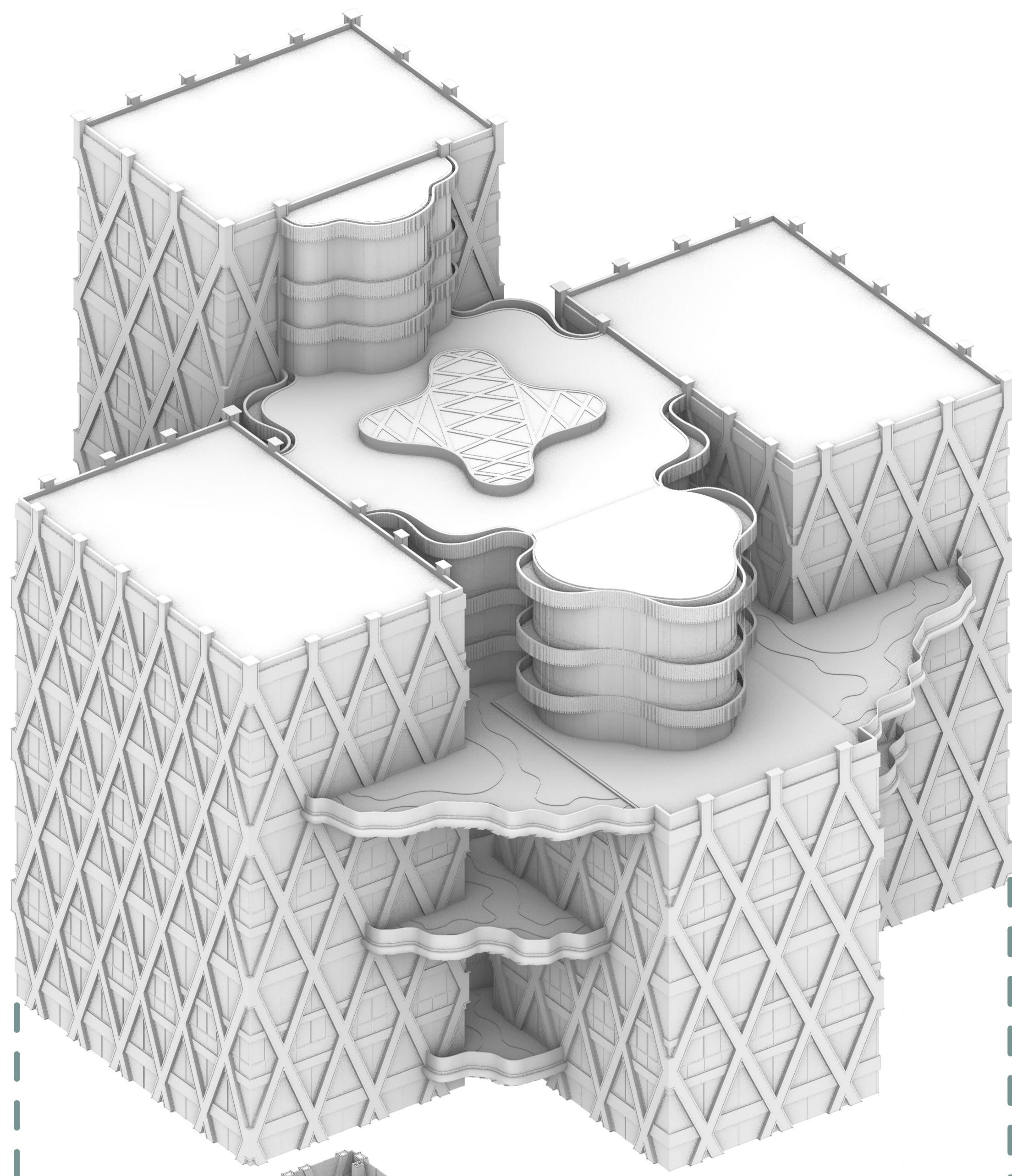
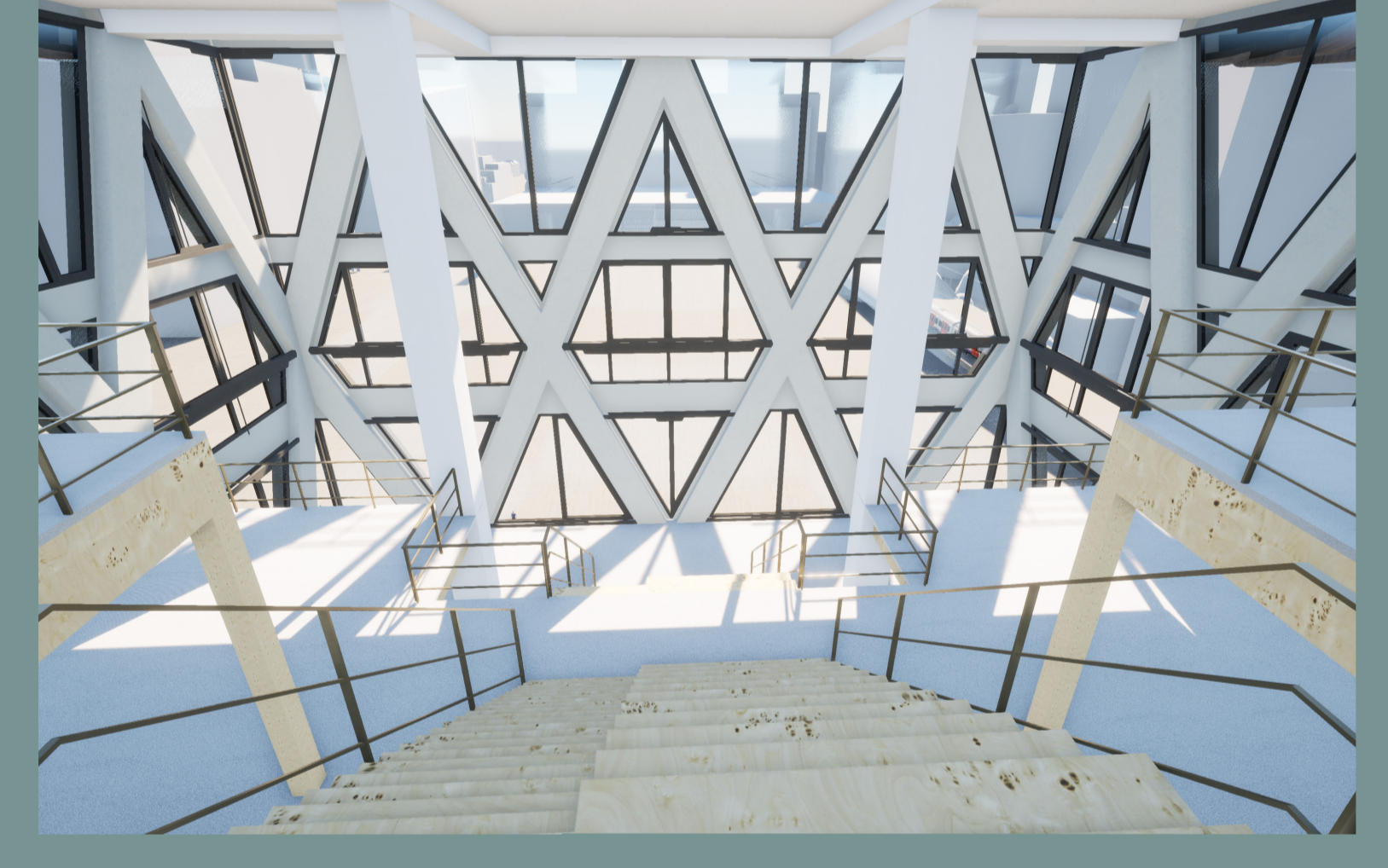
Impression 6



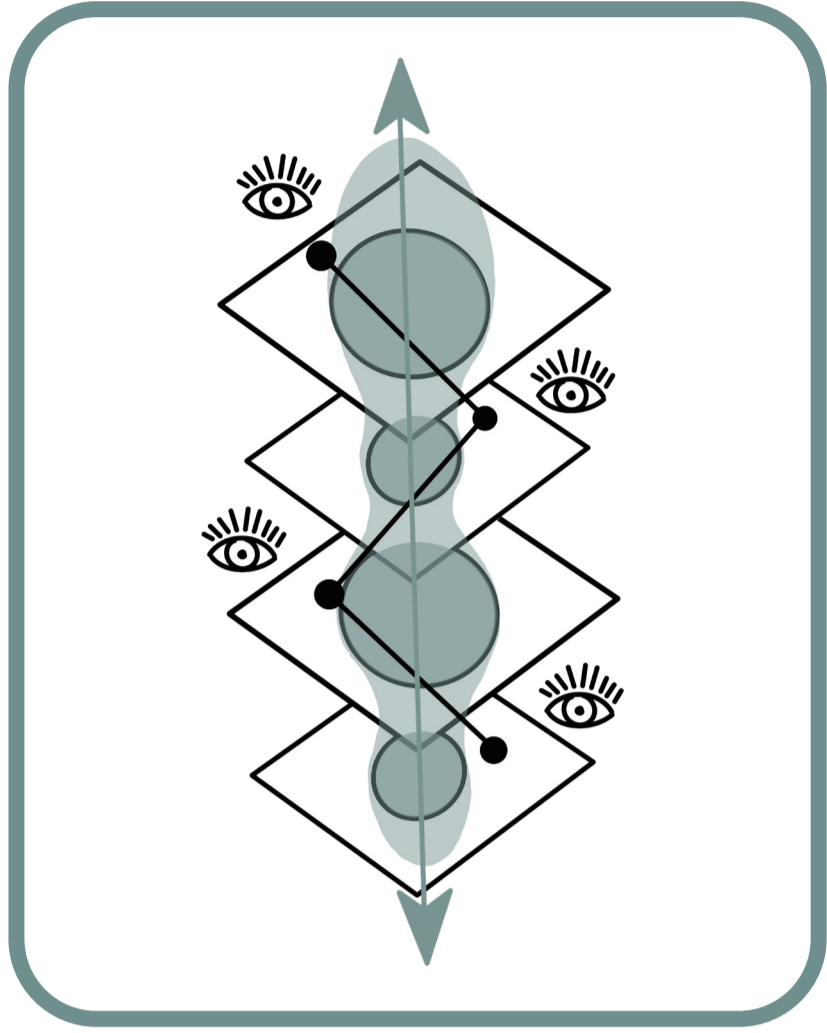
Impression 7



Impression 8

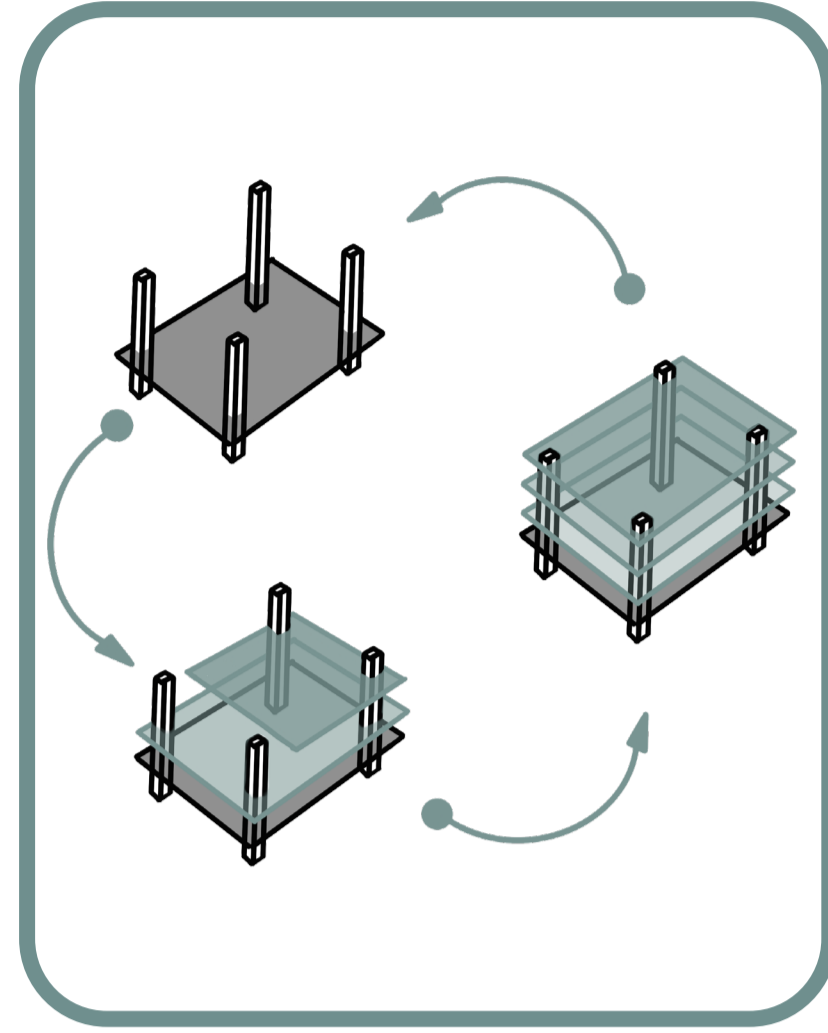


The Design Staples



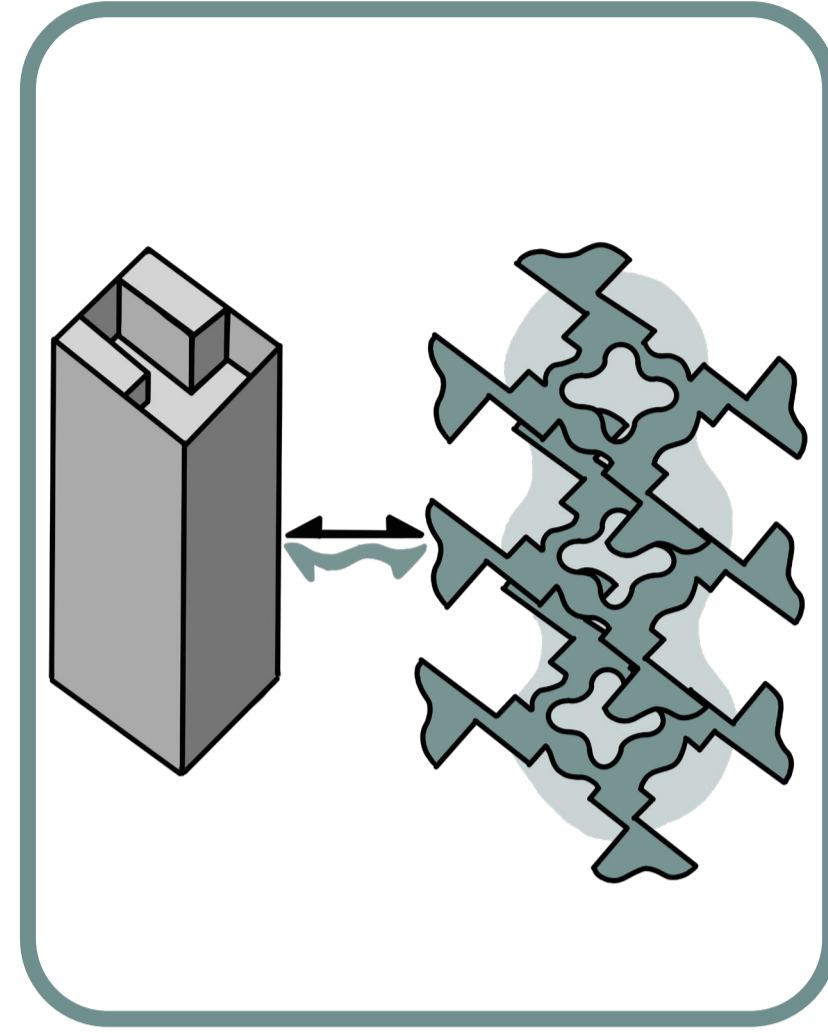
INTERACTION BY
CONNECTION

The basis



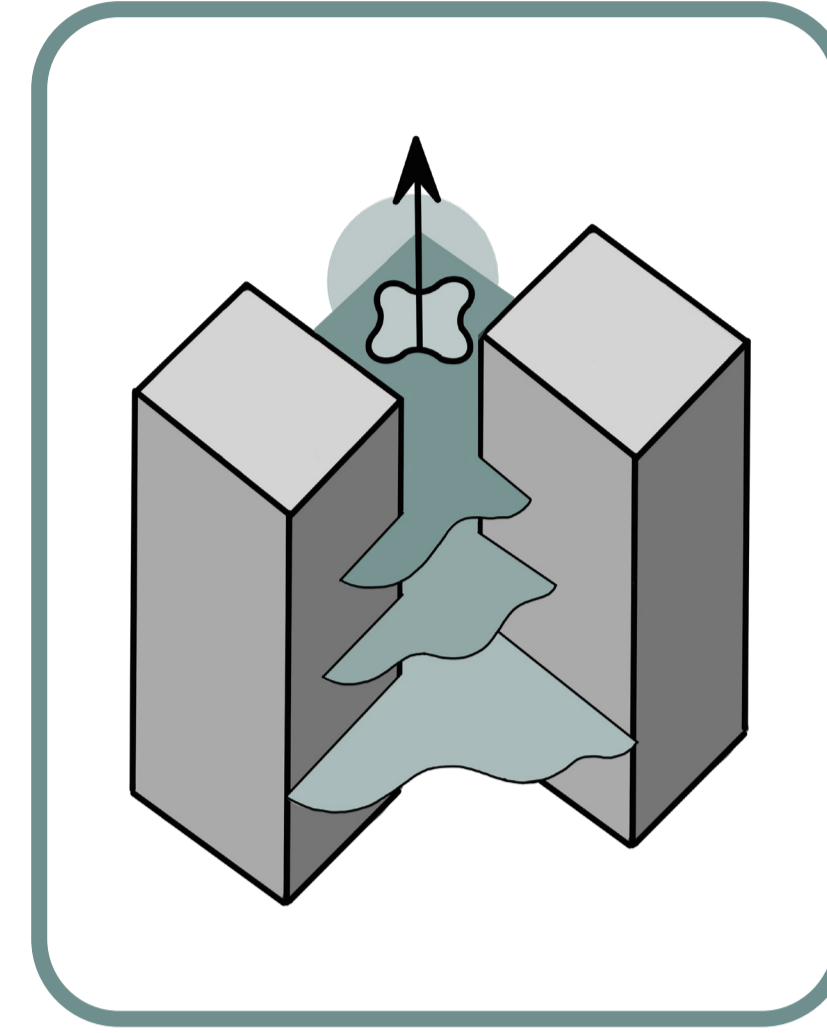
INTERACTION BY
FLEXIBILITY

The backbone



INTERACTION BY
CONTRAST

The concept



INTERACTION BY
NATURE

The experience