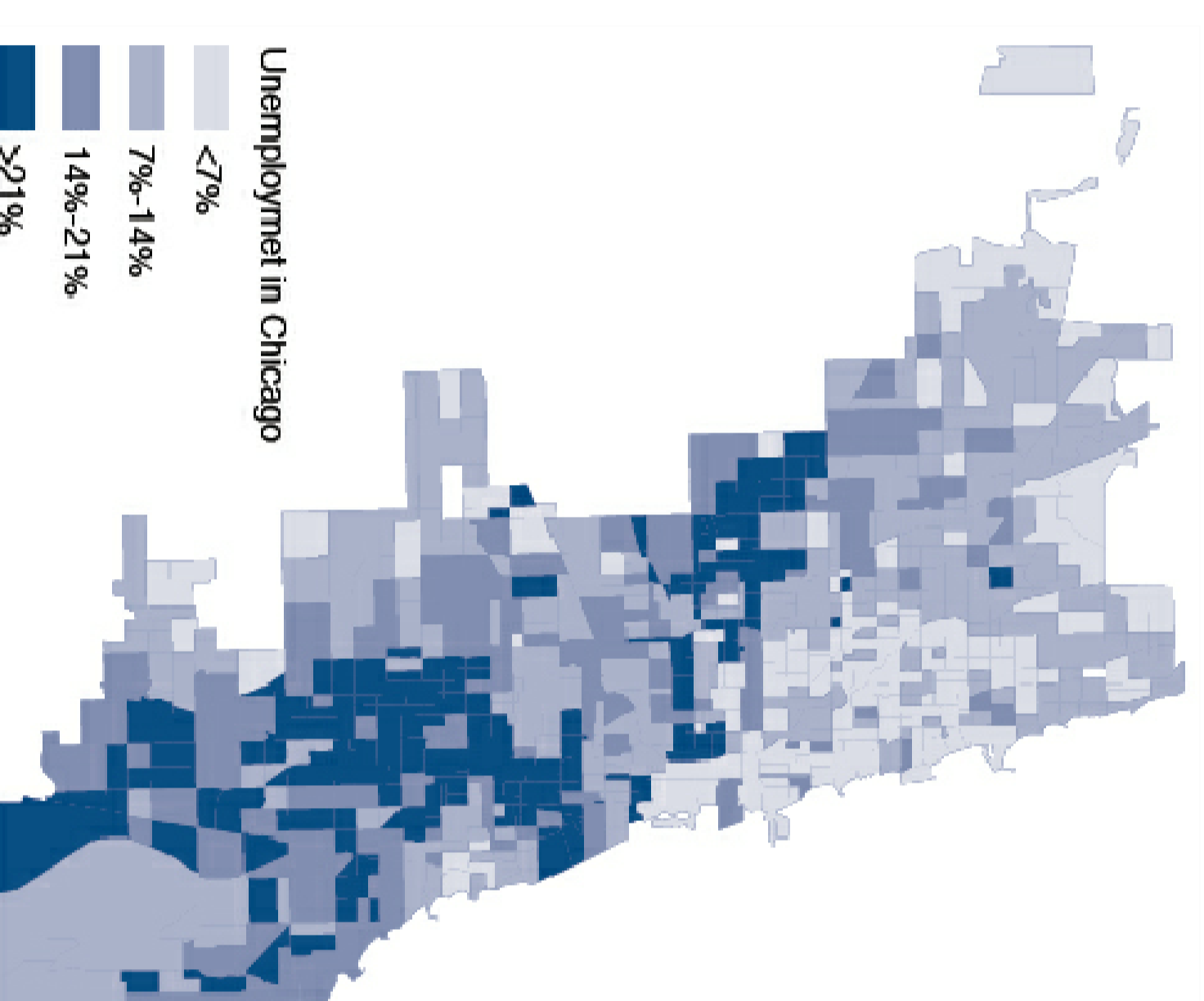
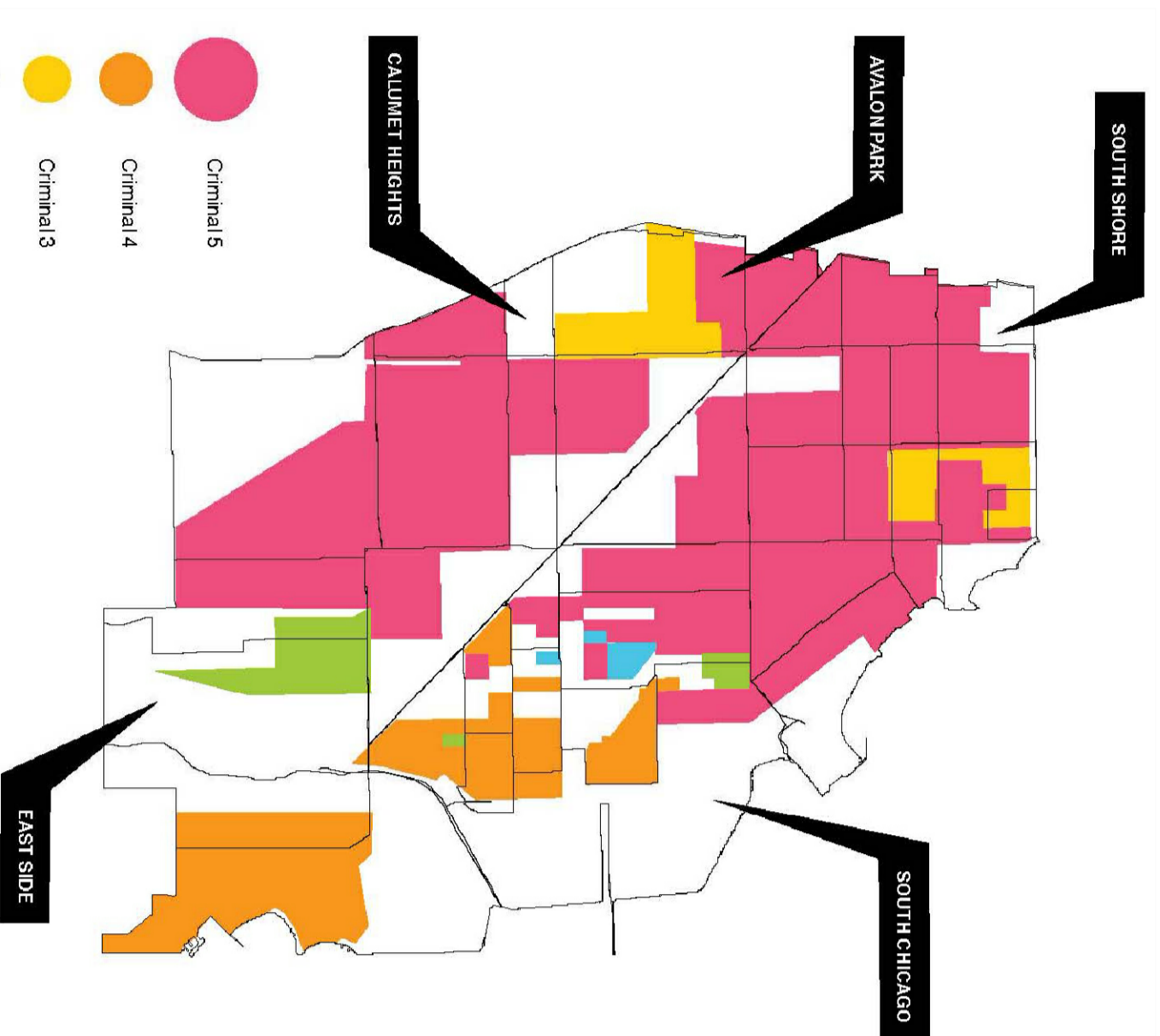
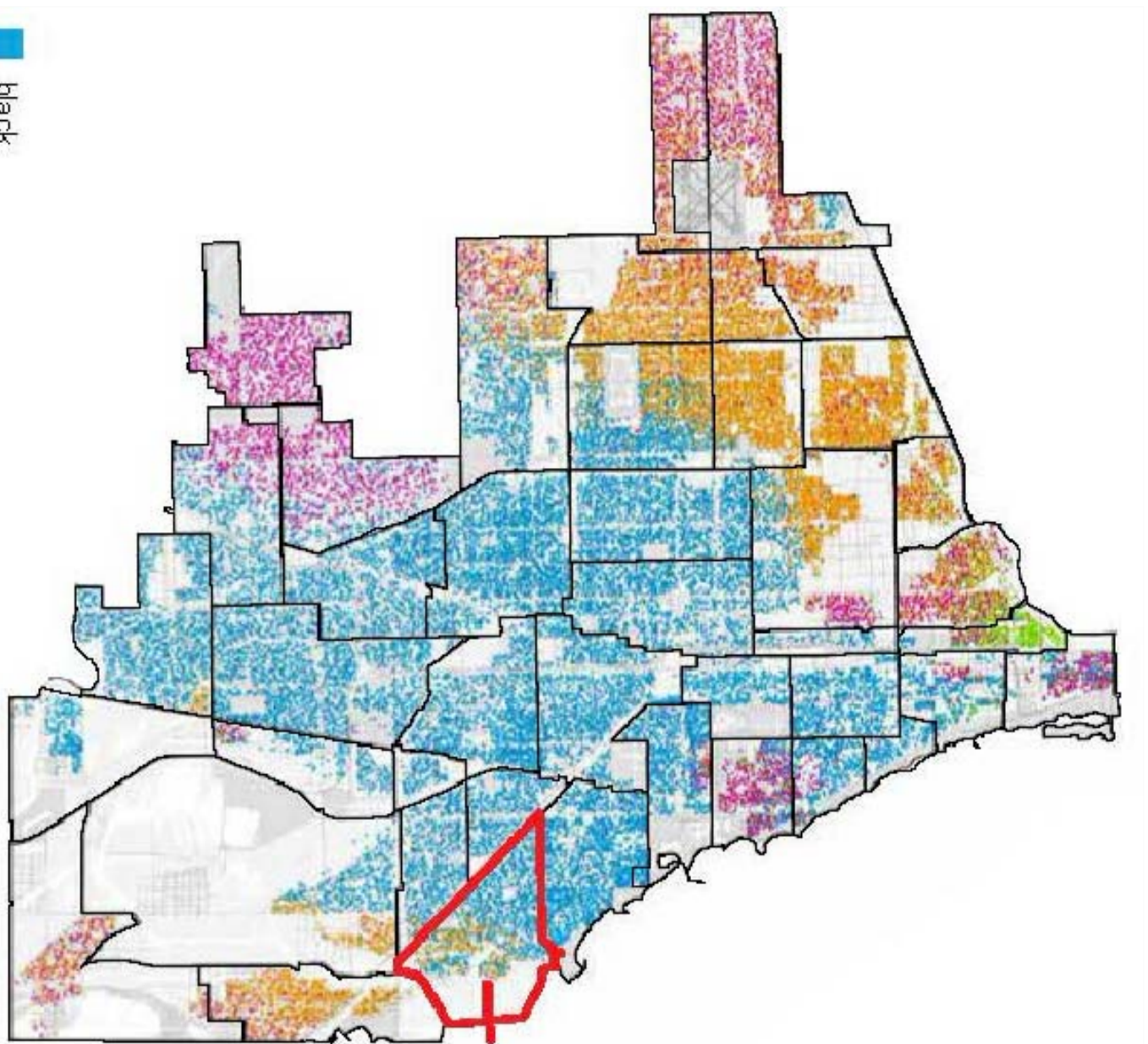
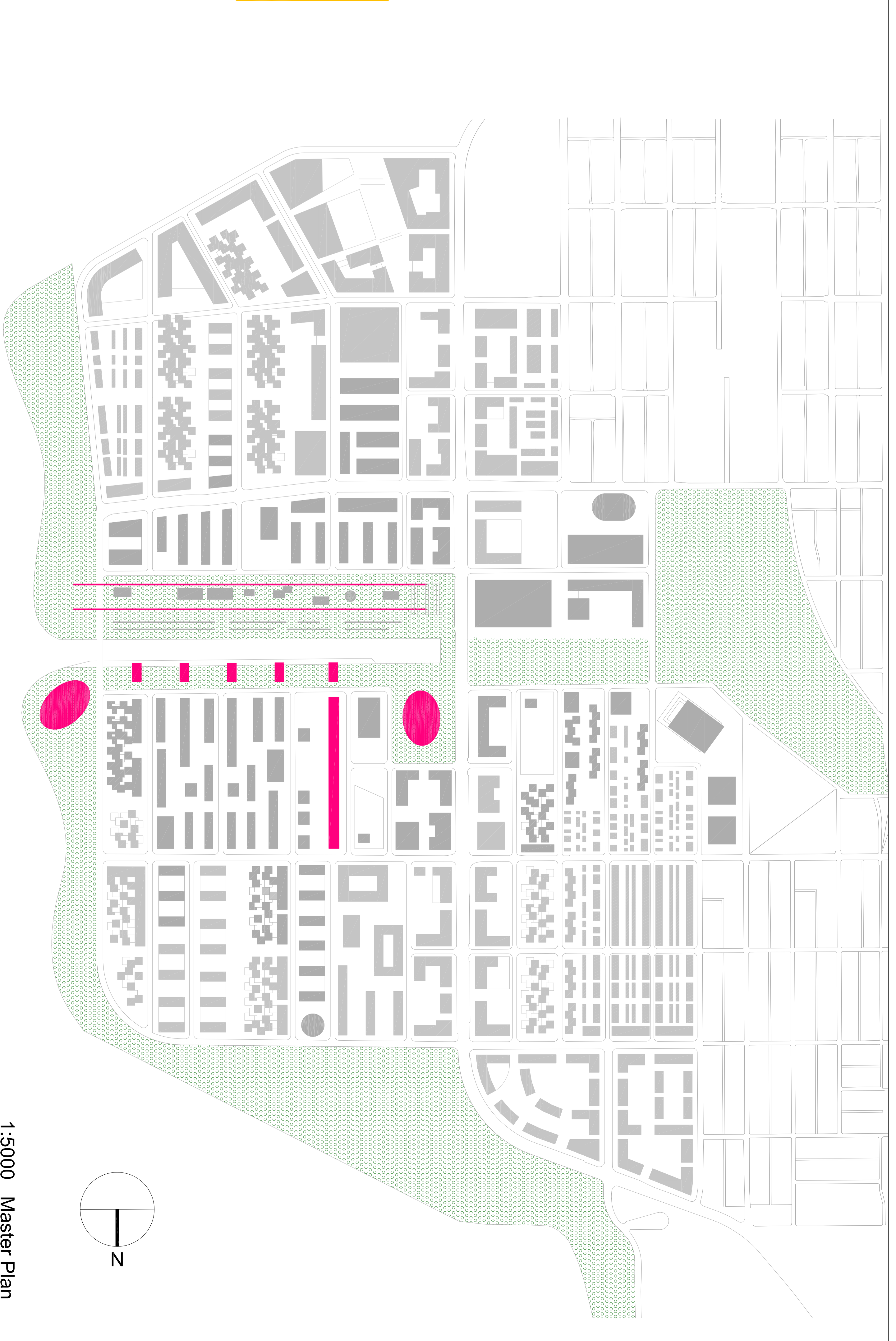




# THE WALL

Complex Project Chicago Graduation Studio  
Wenjia Wang 4244826

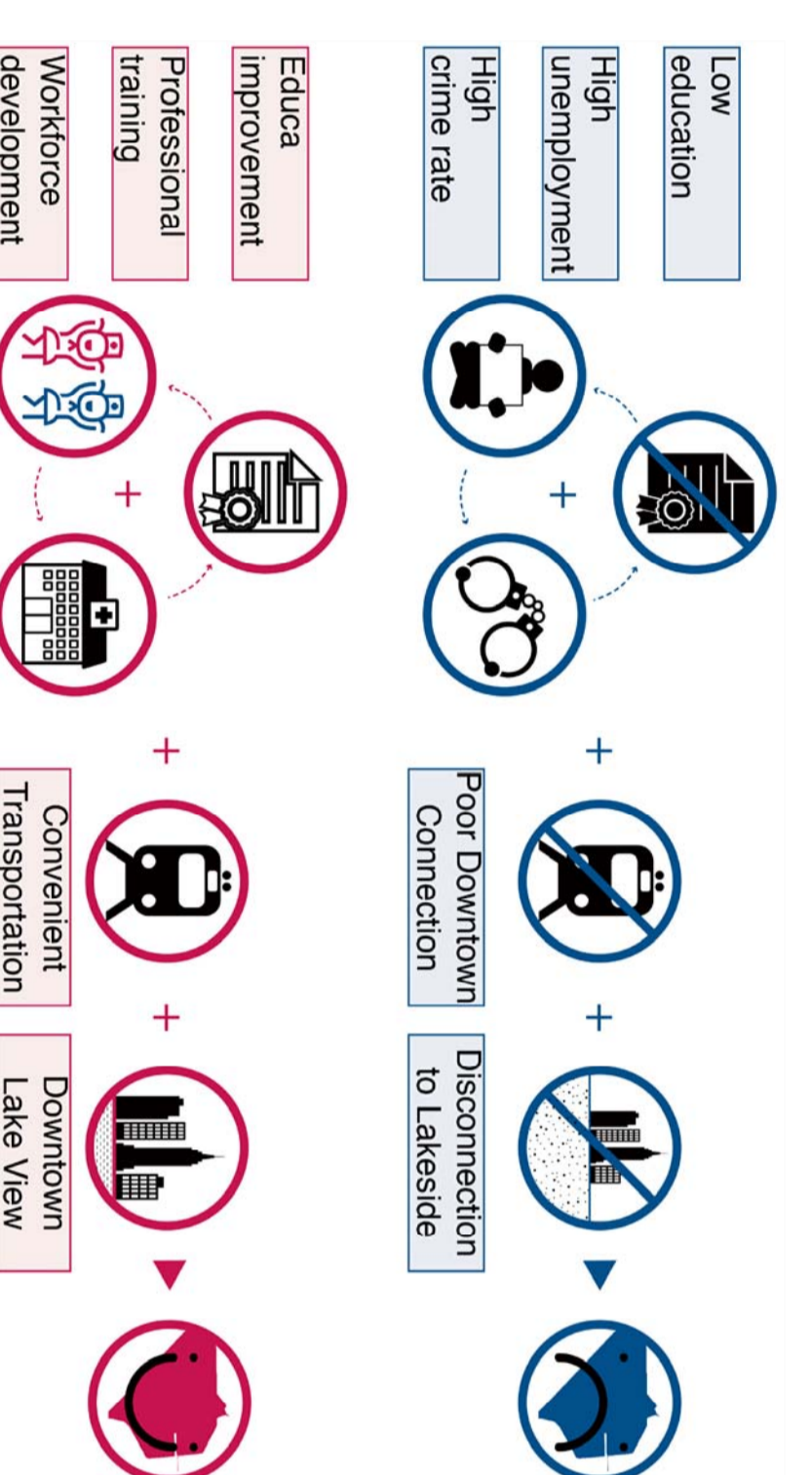
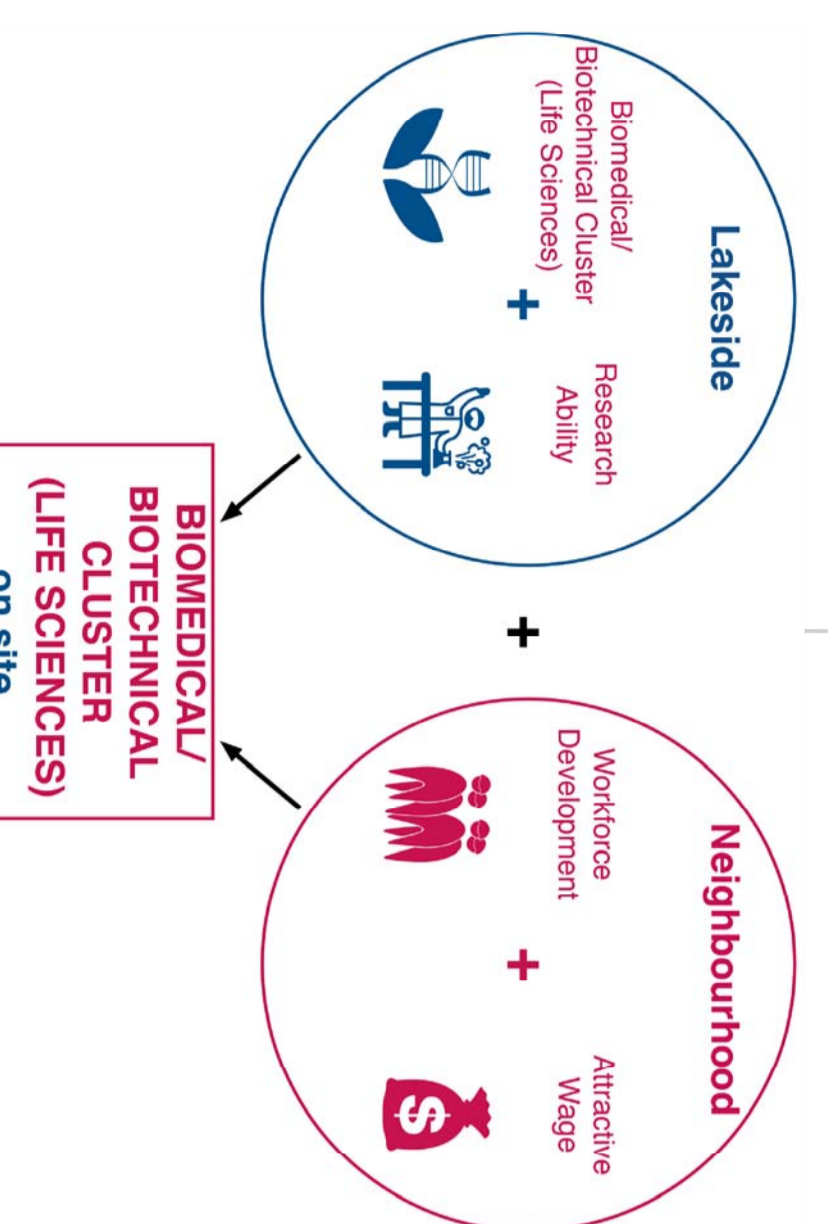
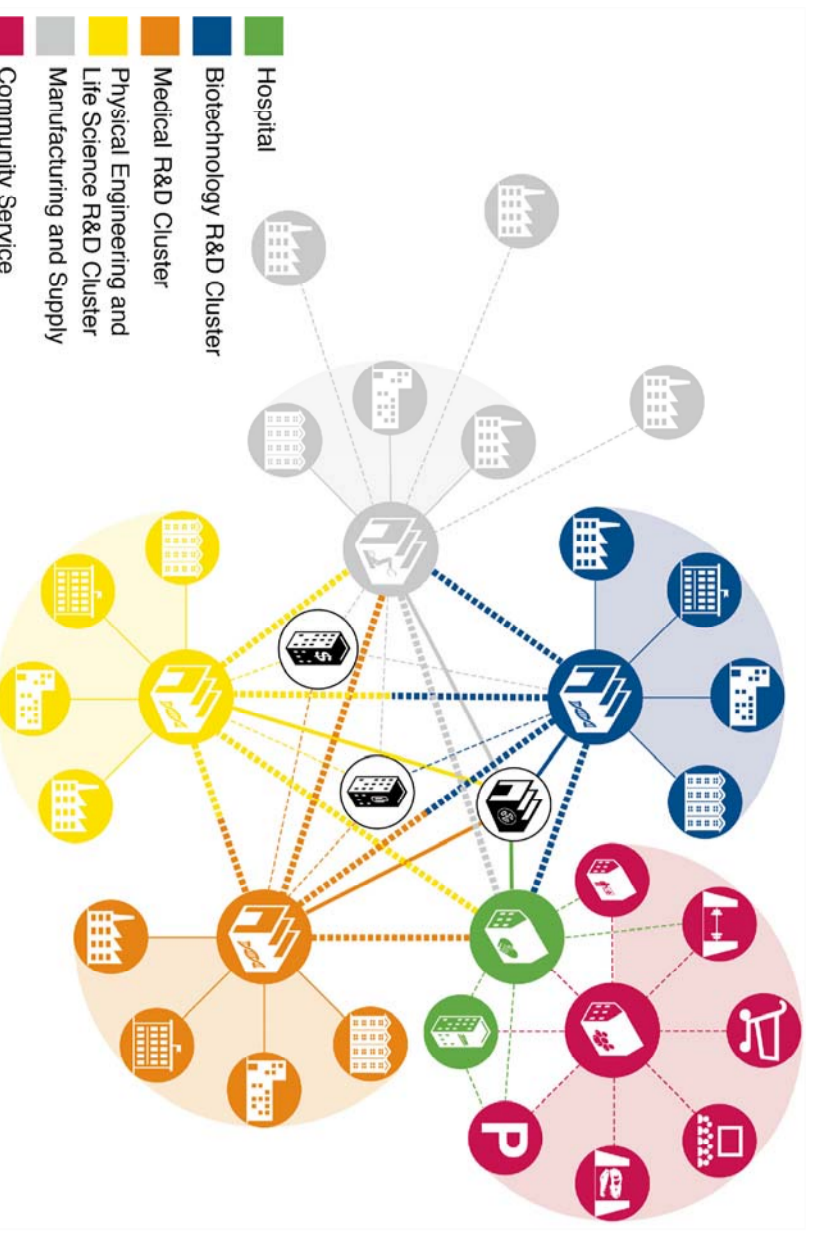


## Segregation

## Crime

## Unemployment

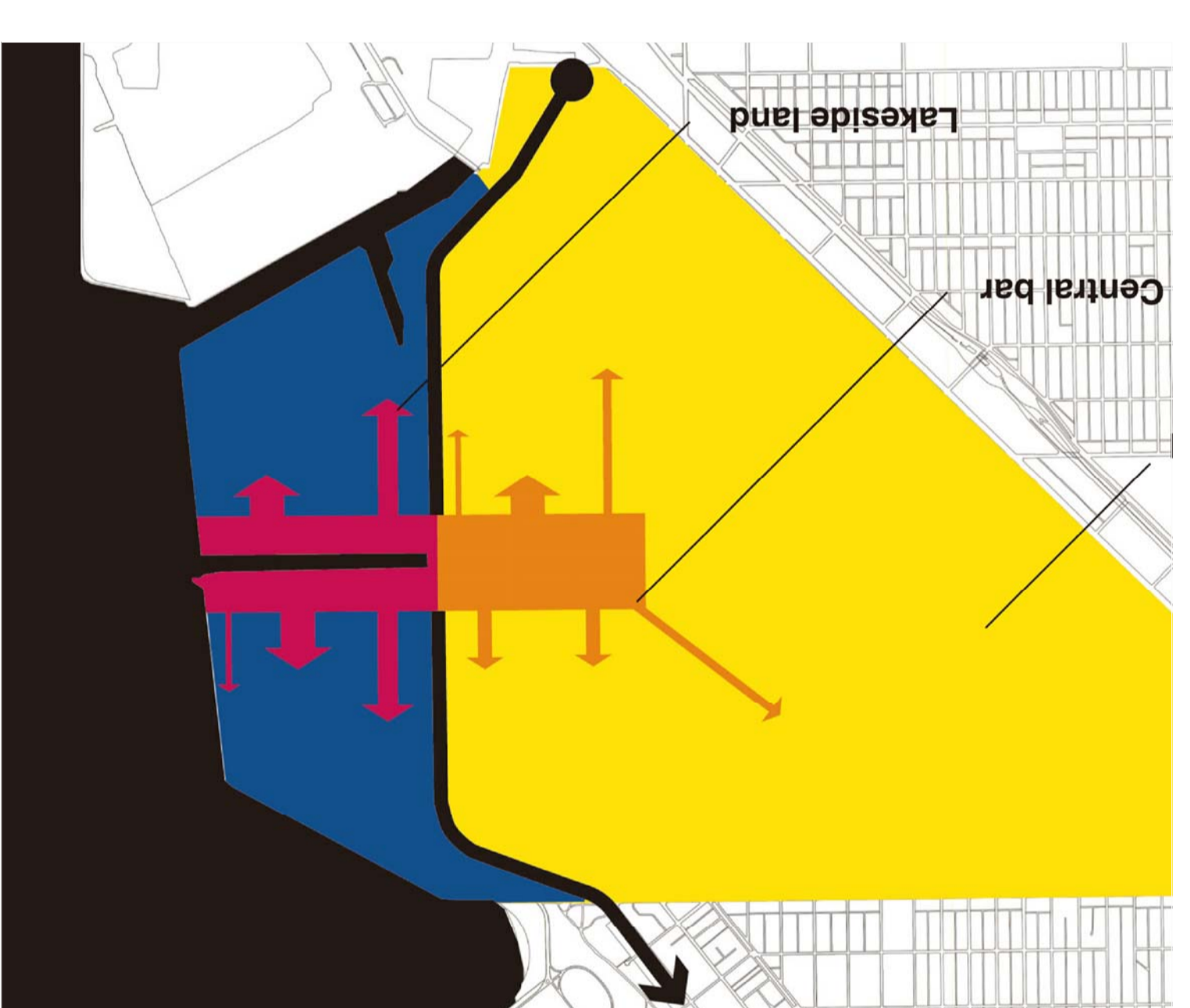
We need a clear cut from the old path.



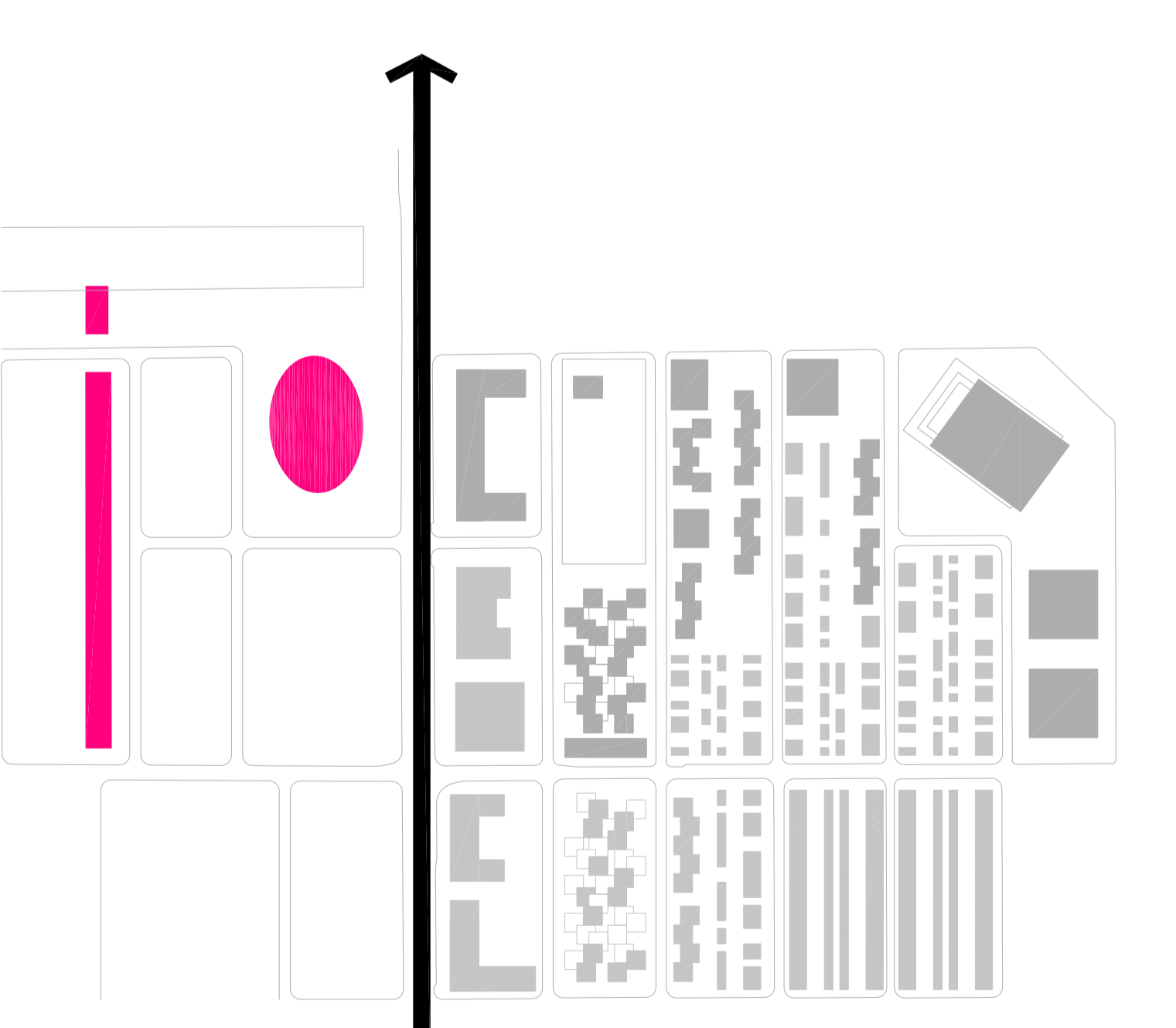
## A new industry cluster

## Ambition

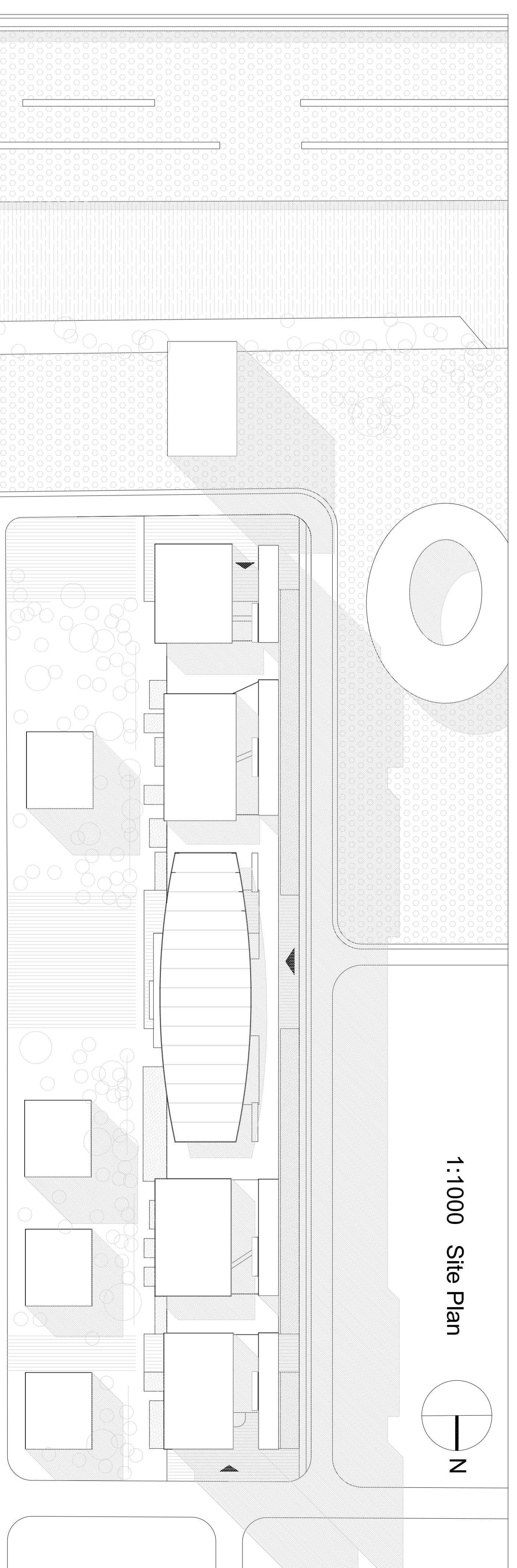
## Through Education

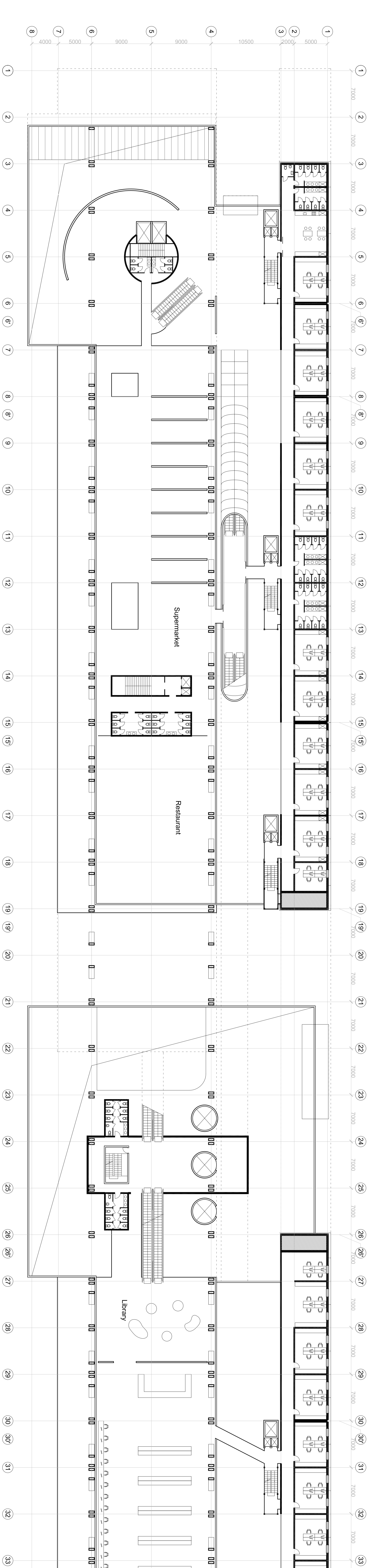
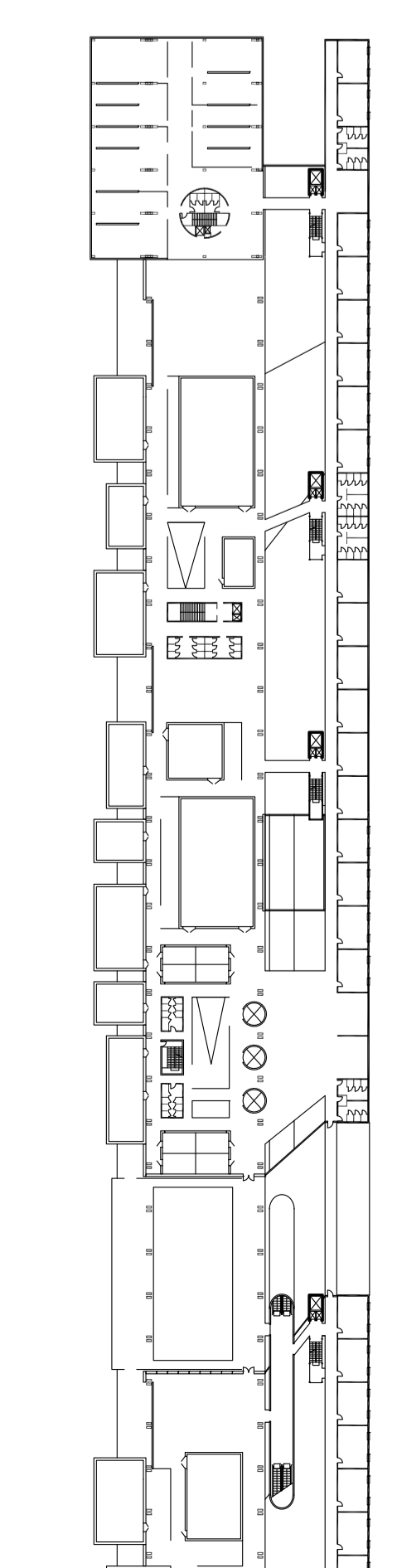
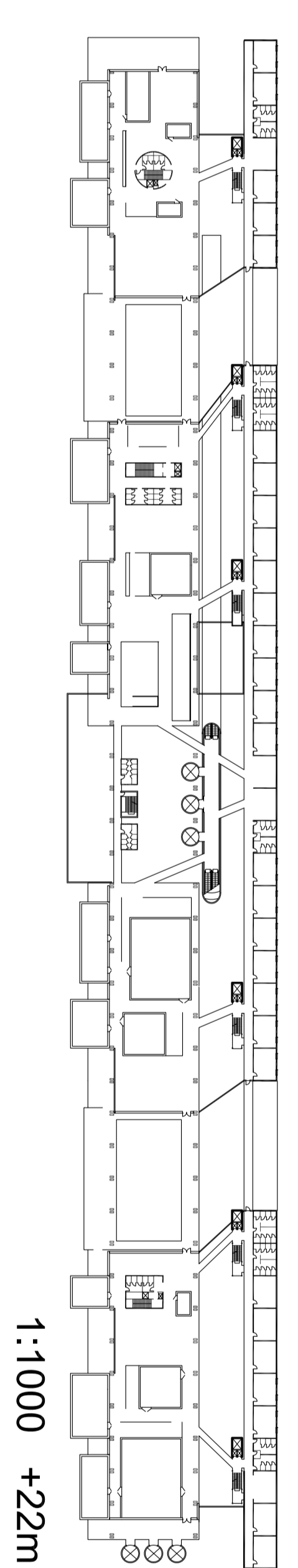
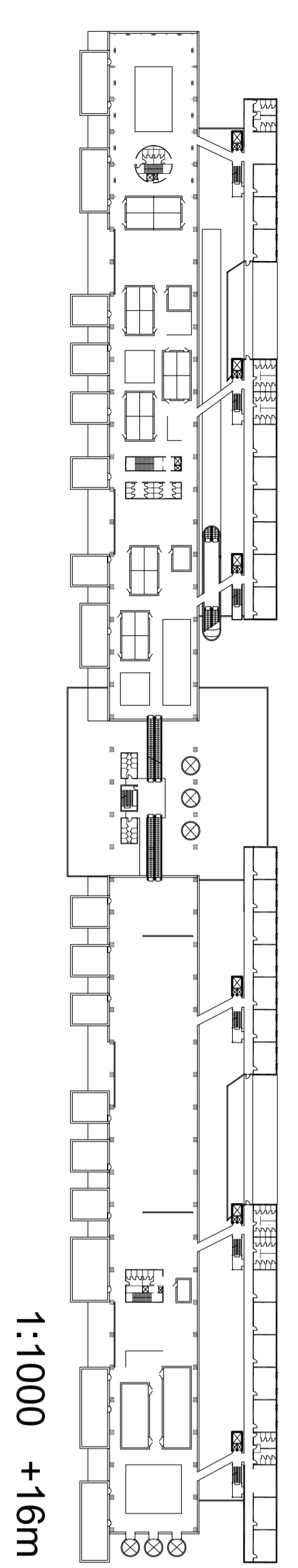
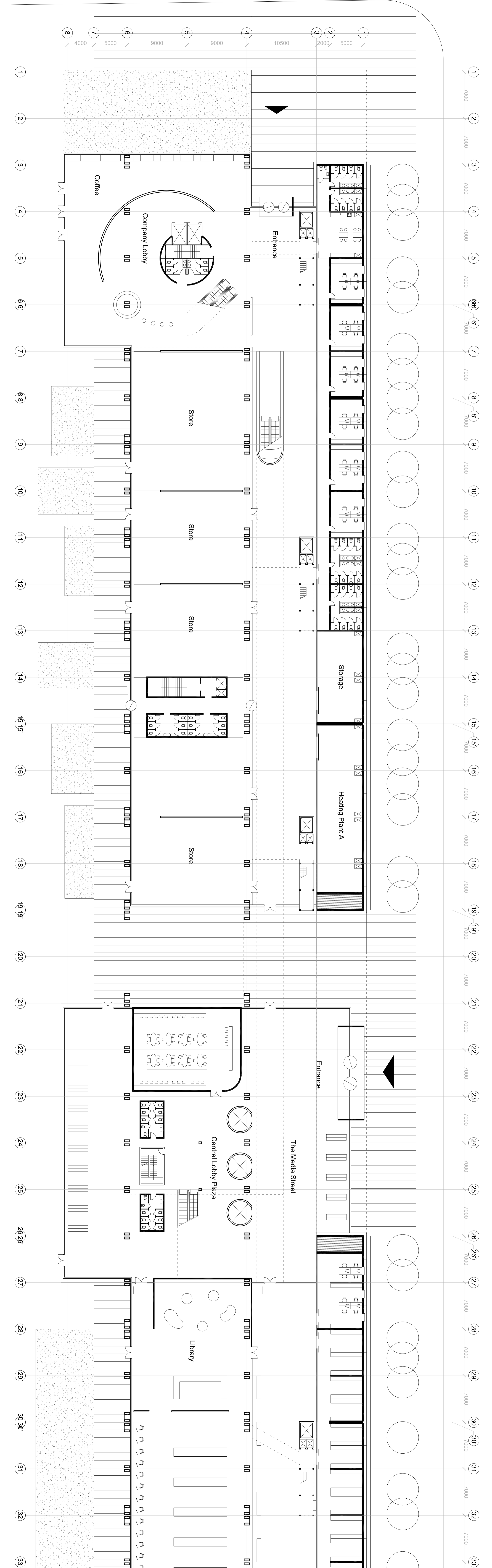


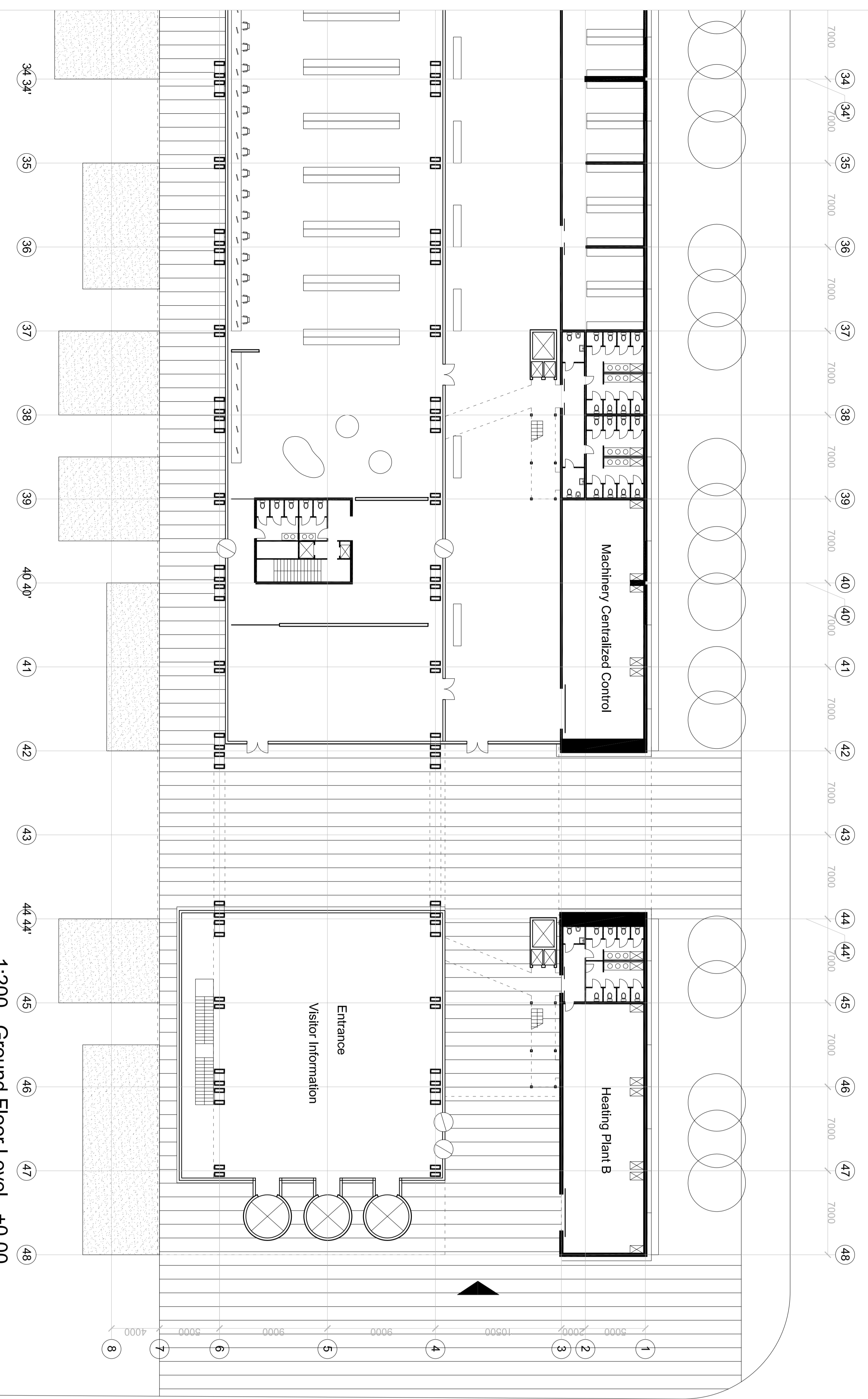
## Master plan Strategy



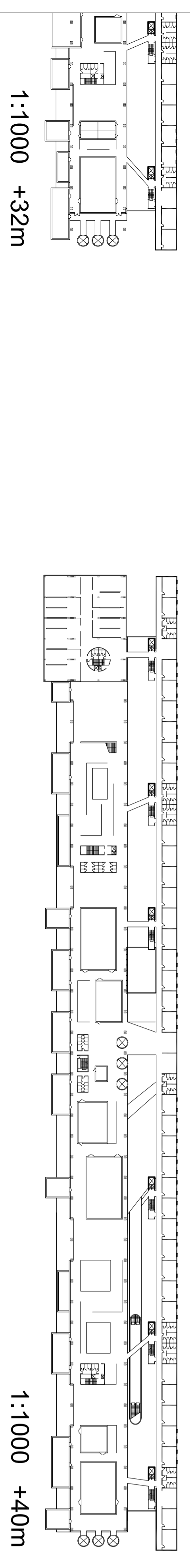
## A delimitation of the New



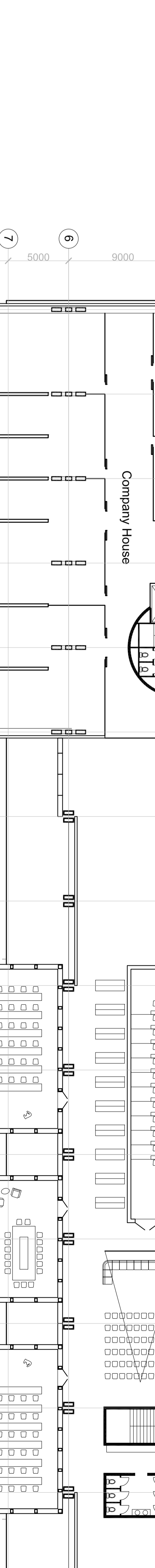




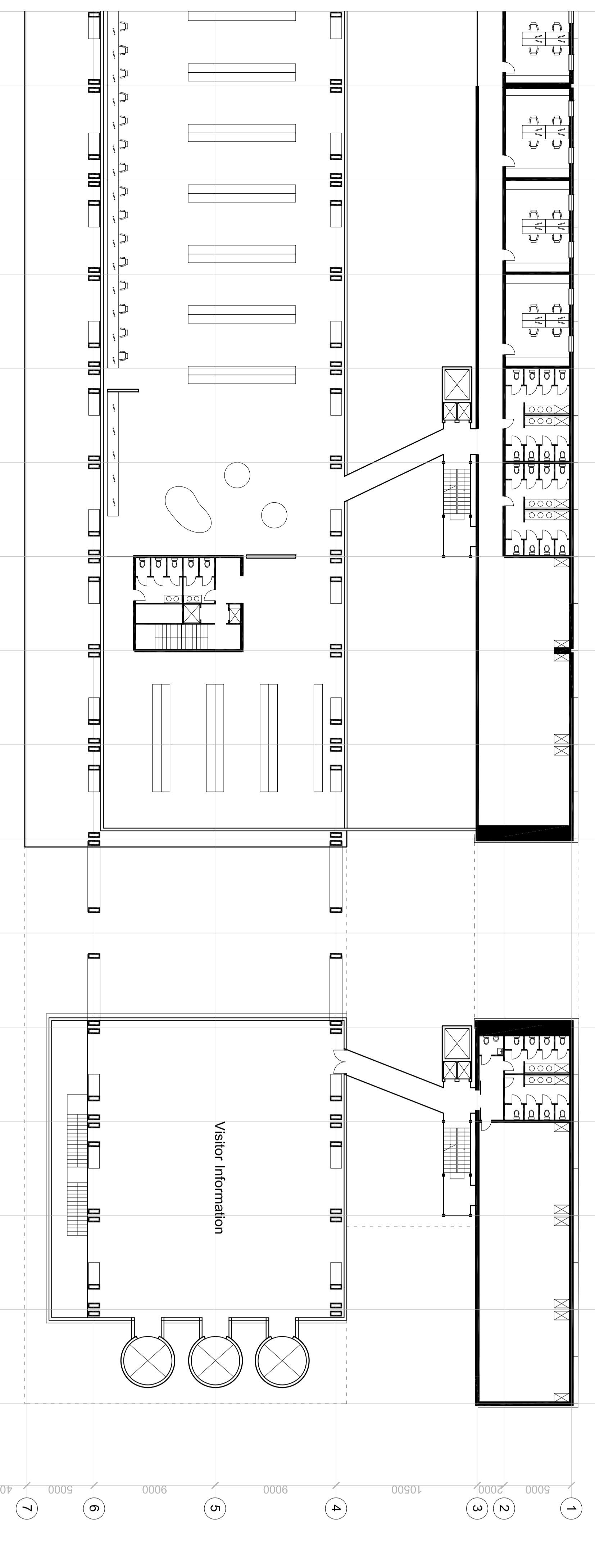
1:200 Ground Floor Level +0.00



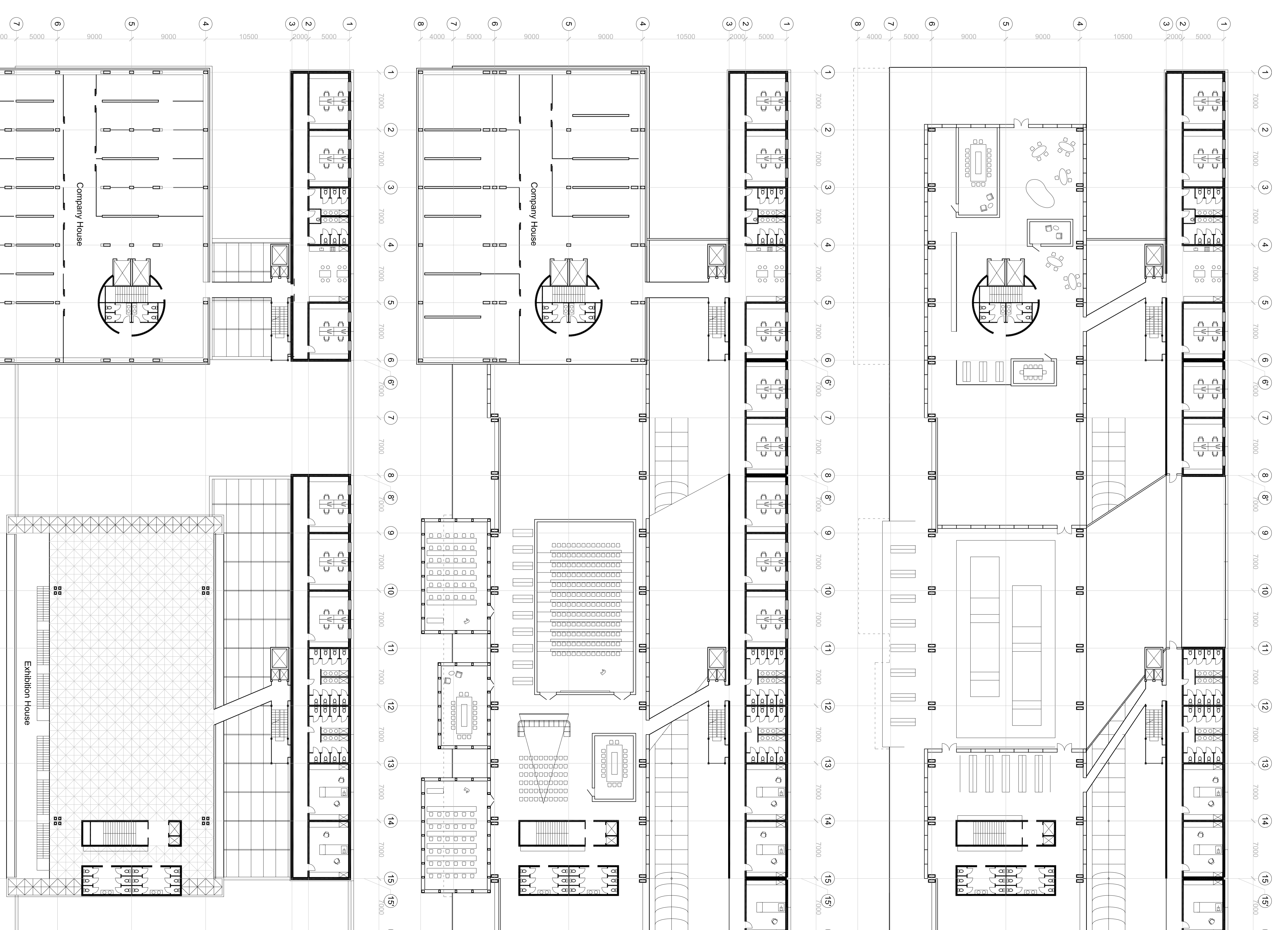
1:1000 +32m



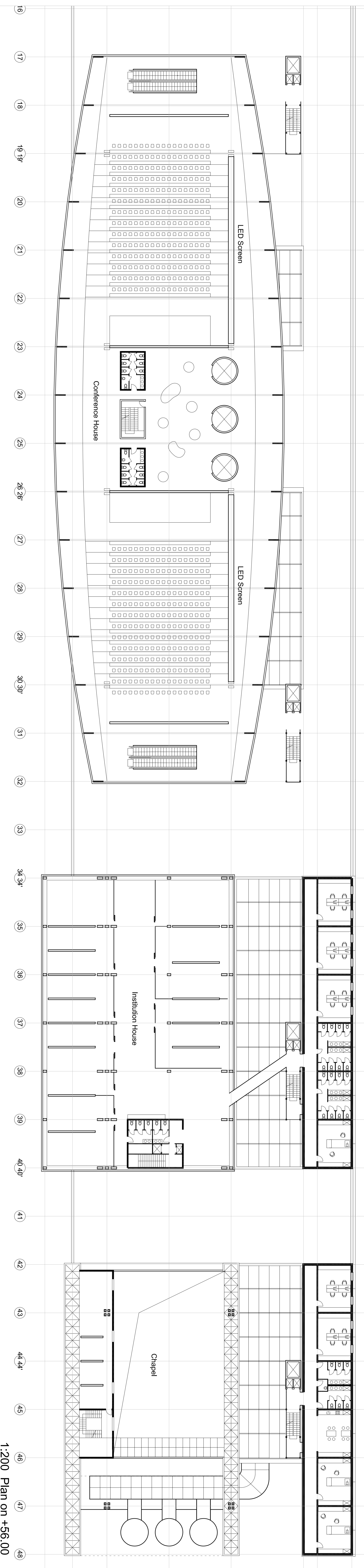
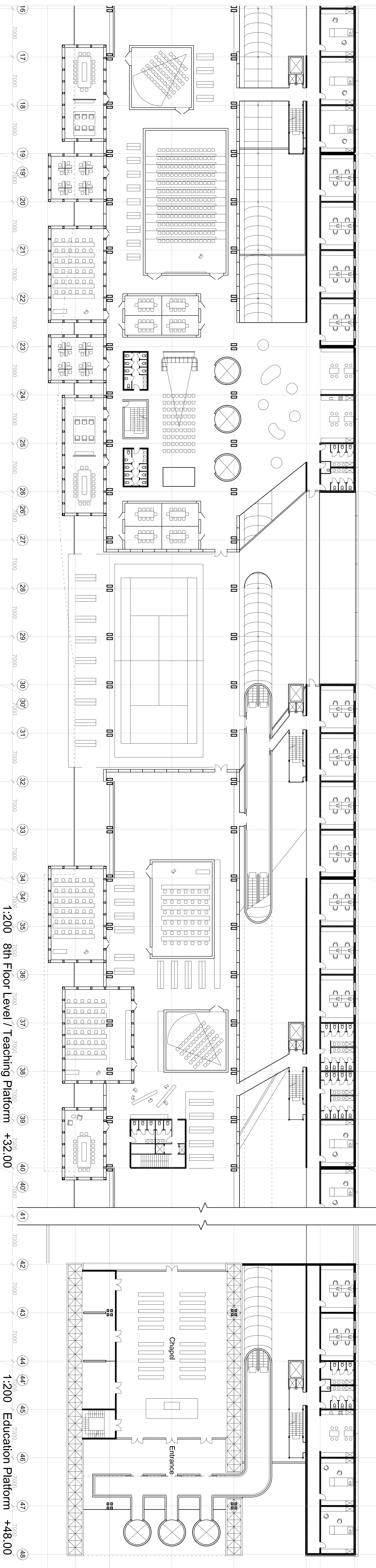
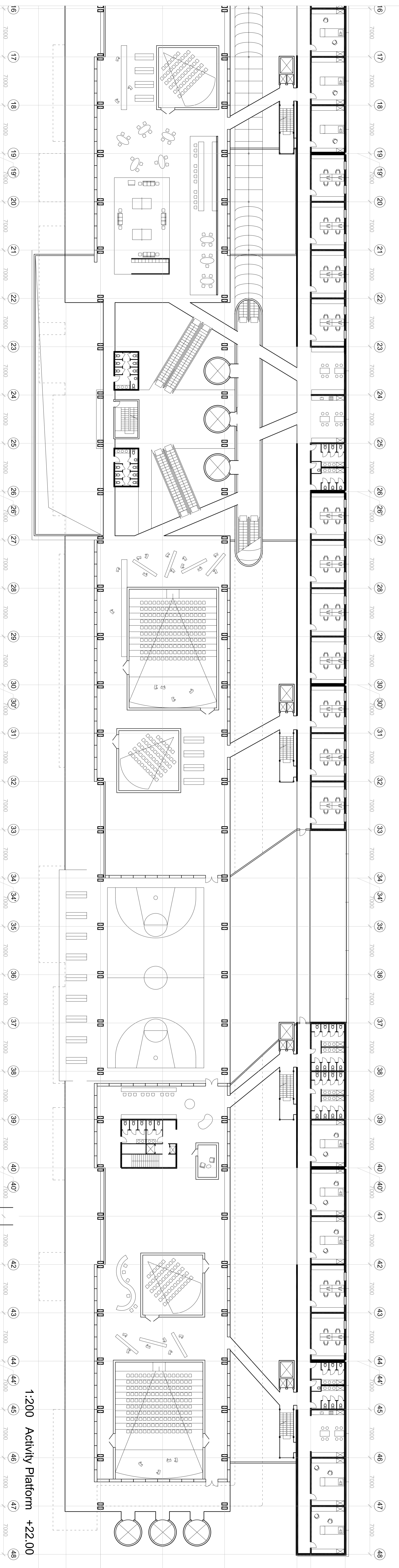
1:1000 +40m



1:200 Plan on +8.00

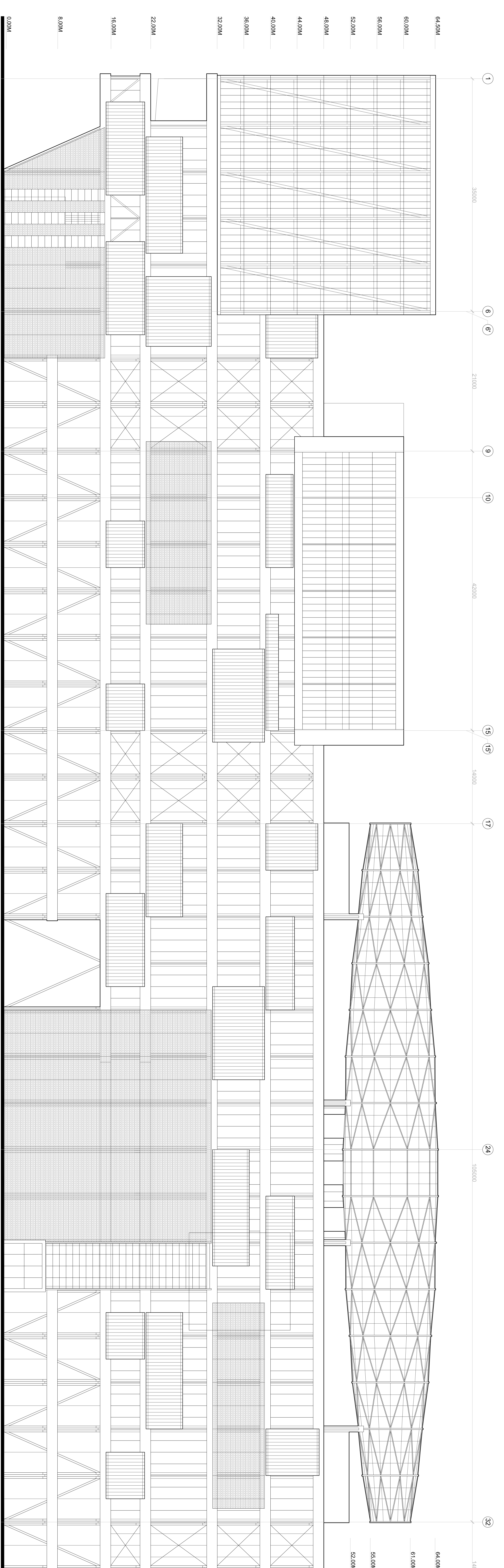
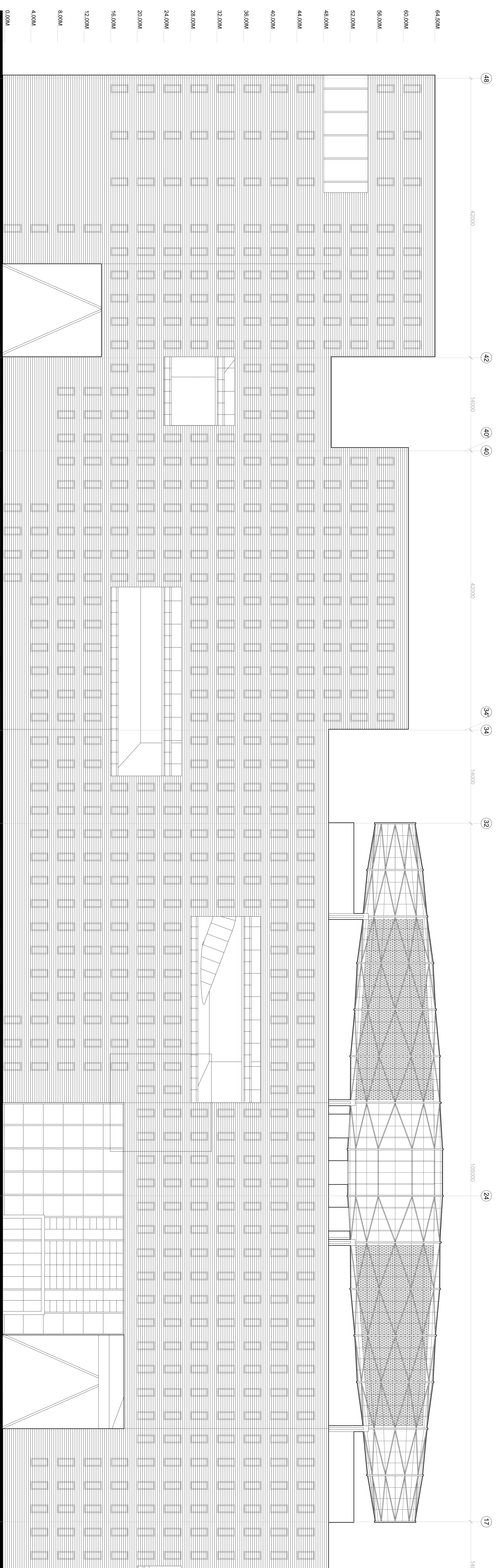


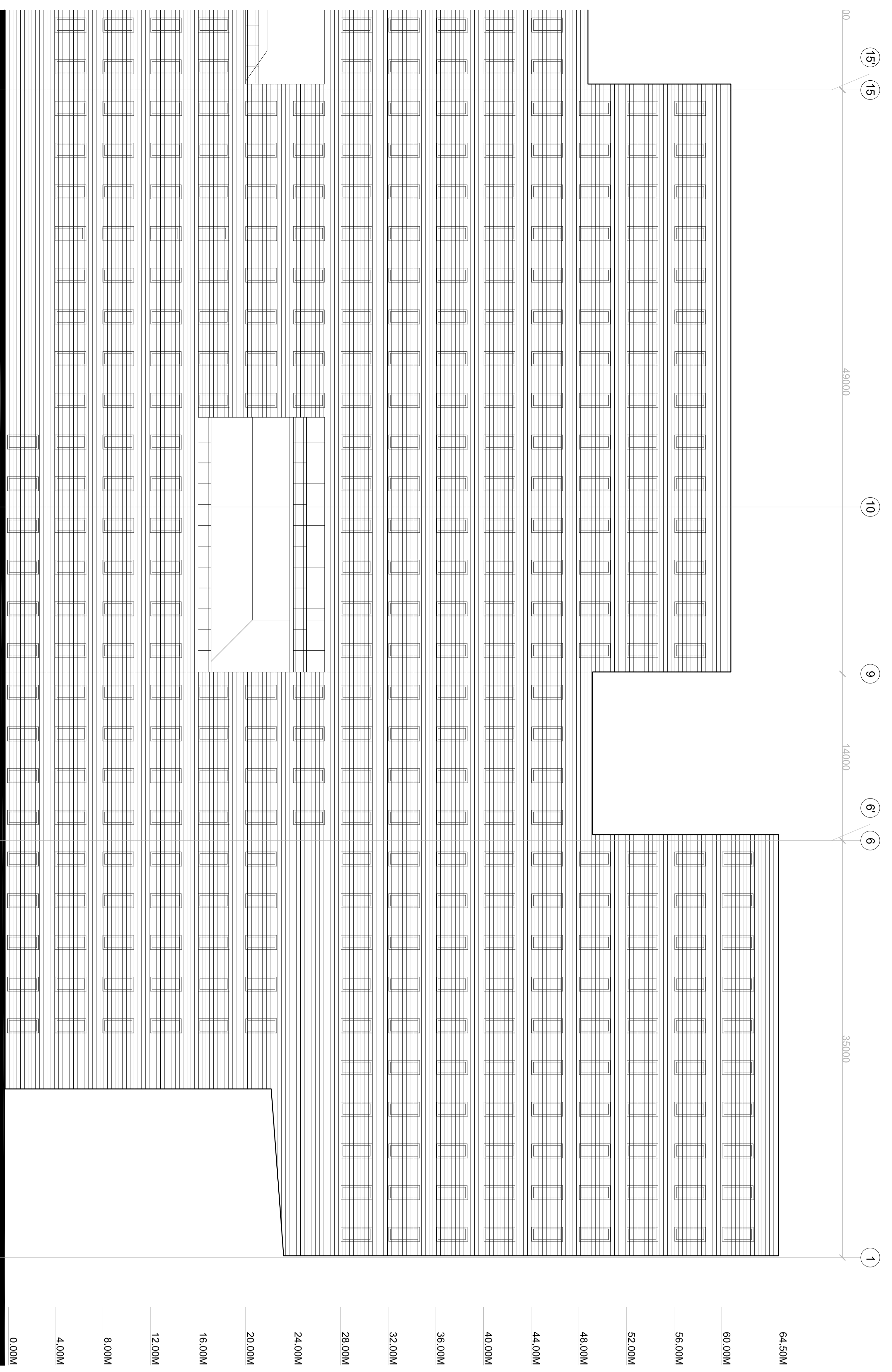
1:200 Plan on +8.00



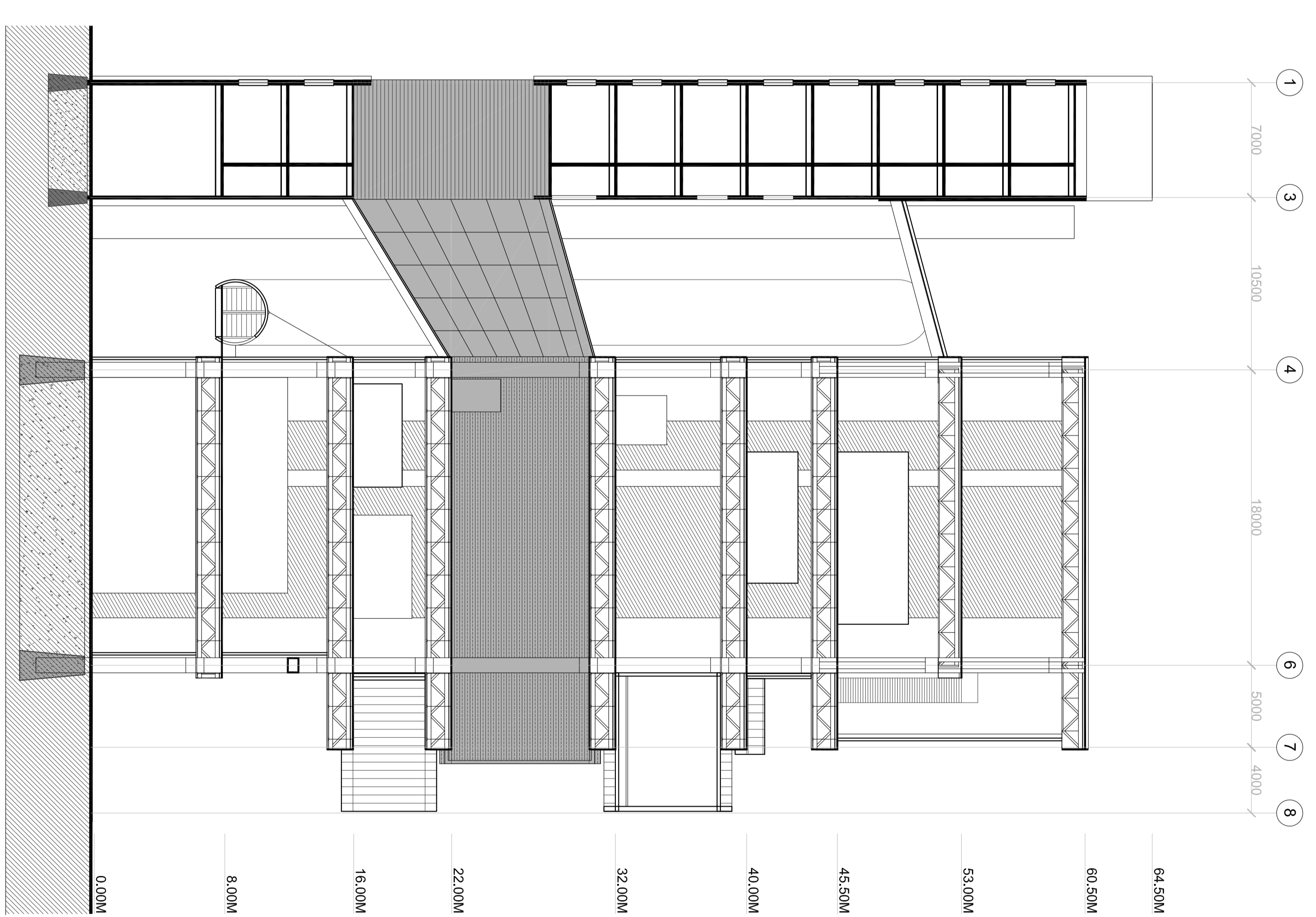
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Grid labels: 1, 2, 3, 4, 5, 6, 7, 8

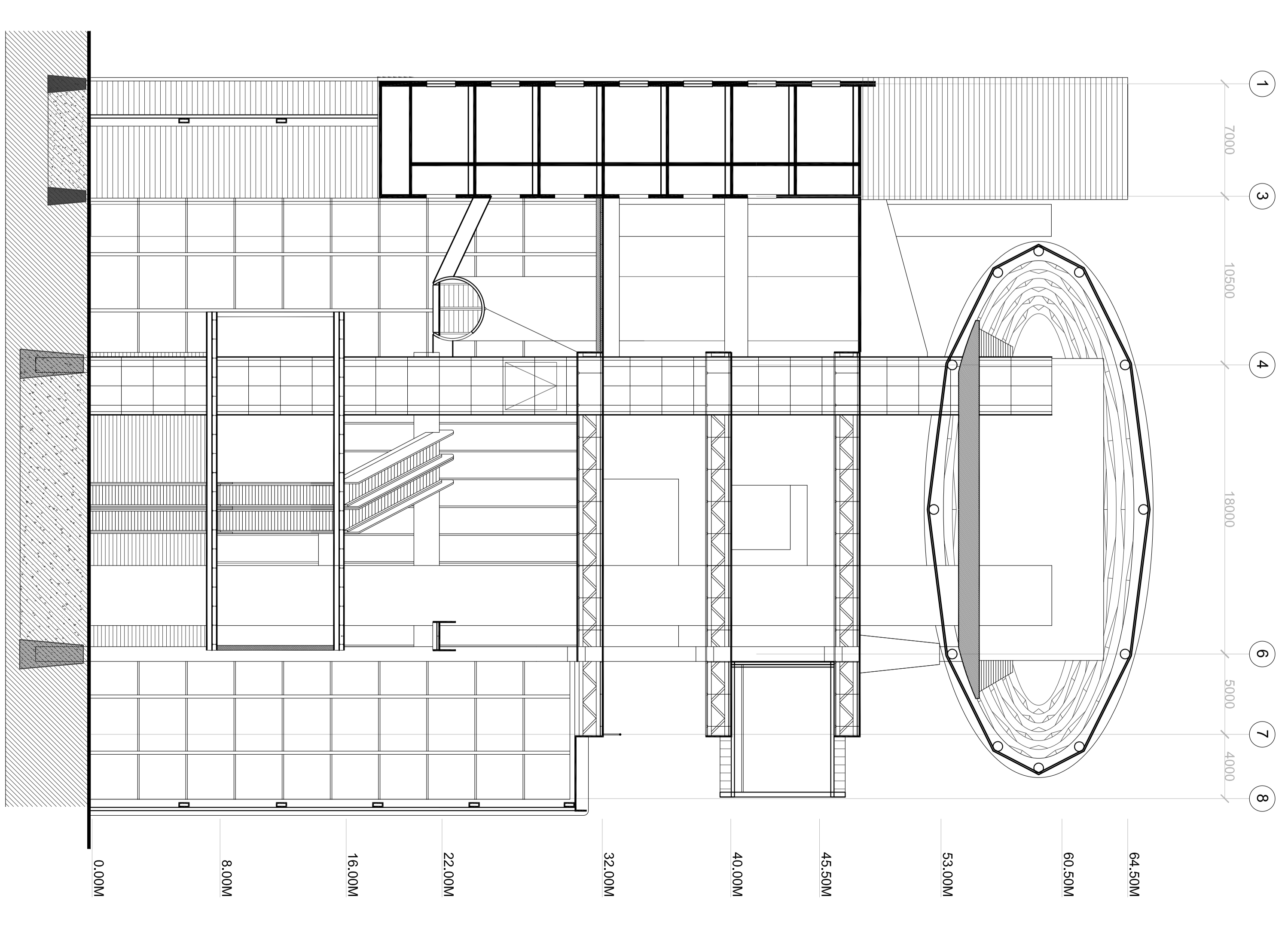




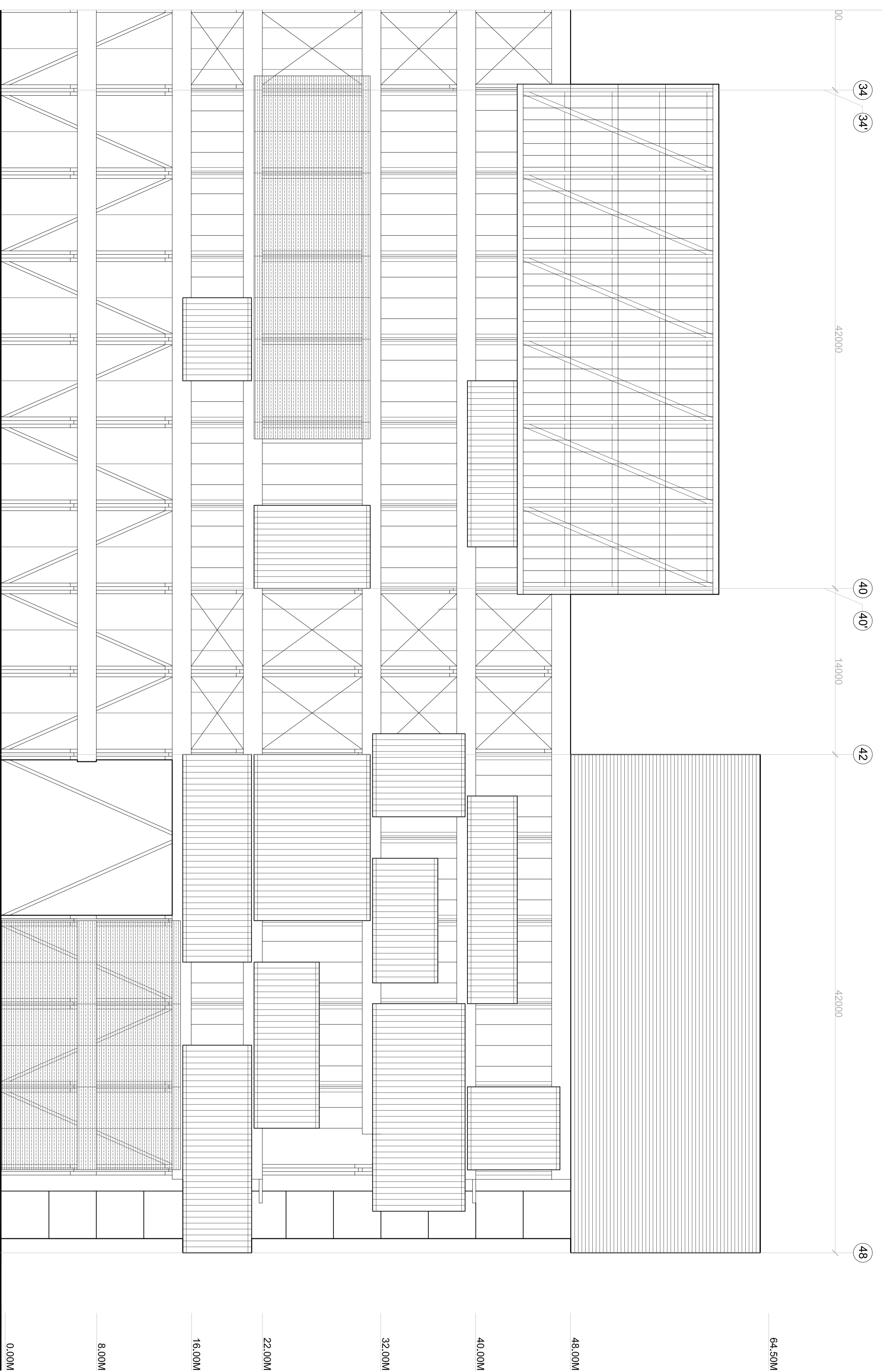
1:200 West Facade - The Wall



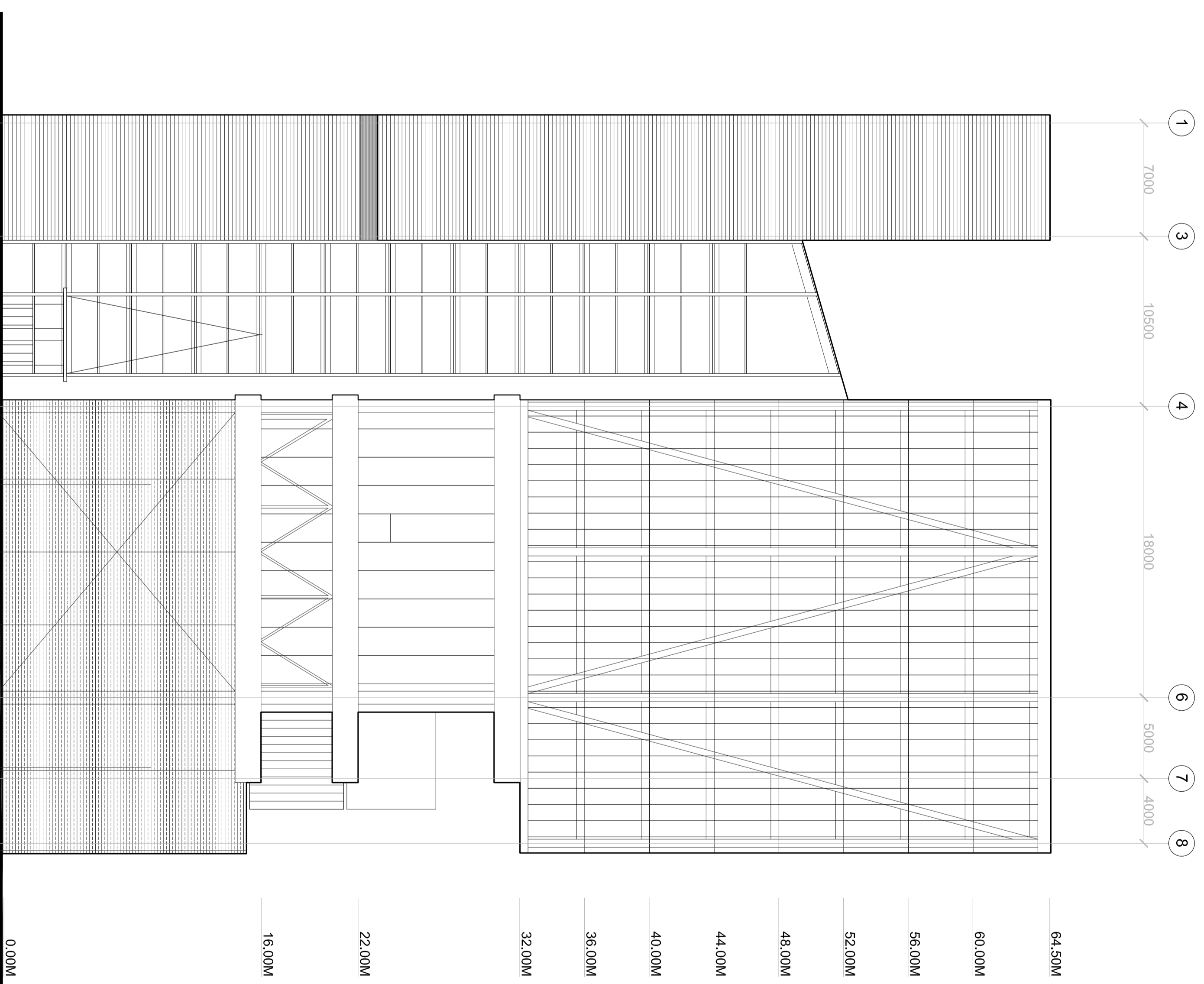
1:200 10-10 Section



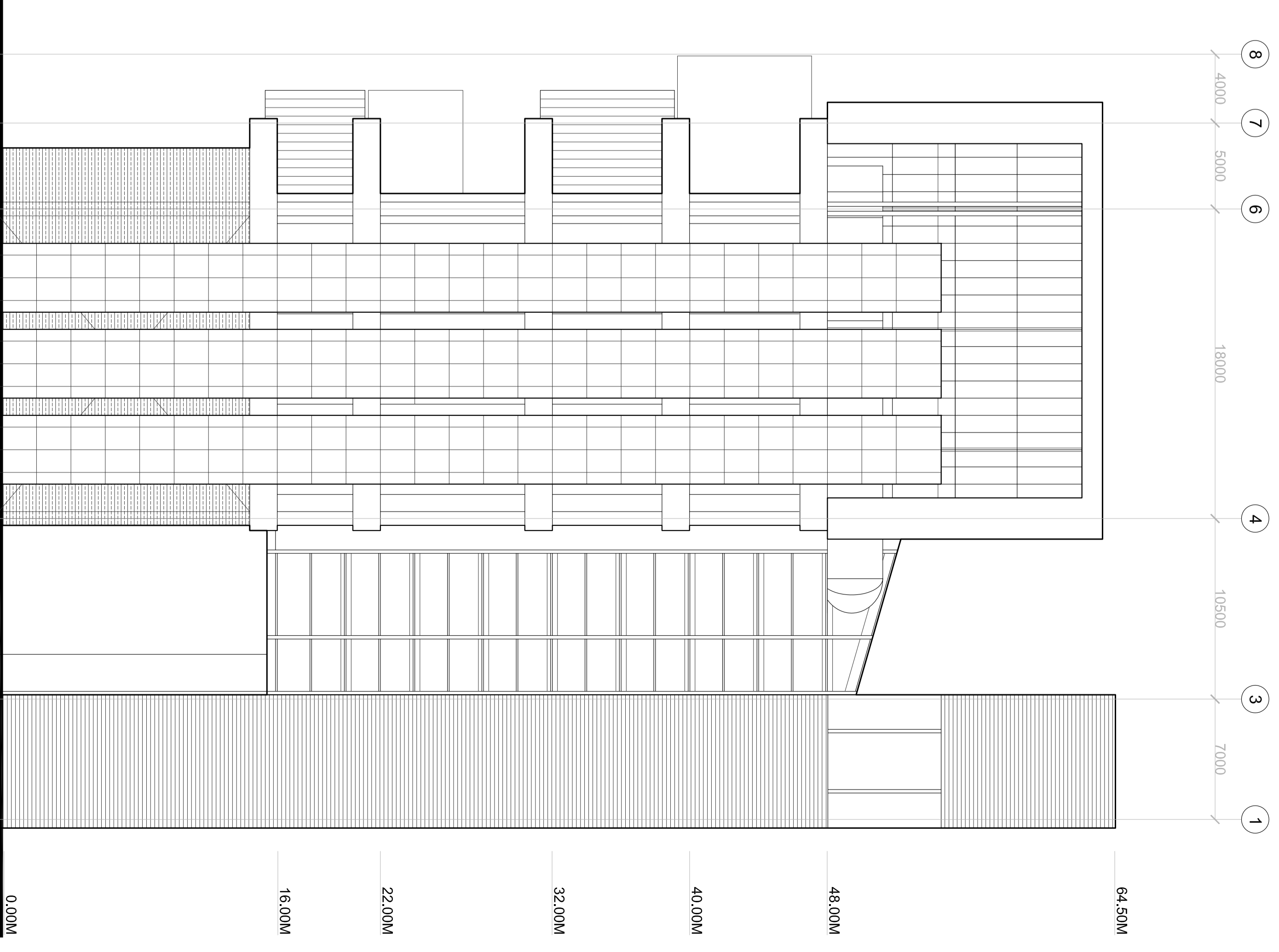
1:200 24-24 Section



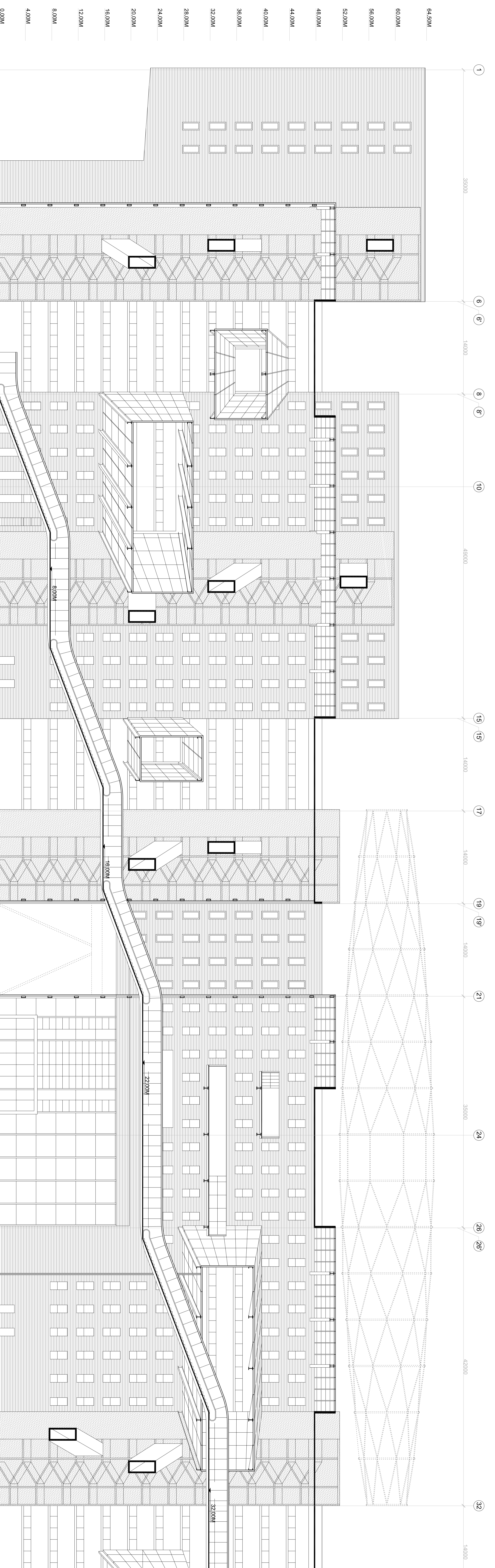
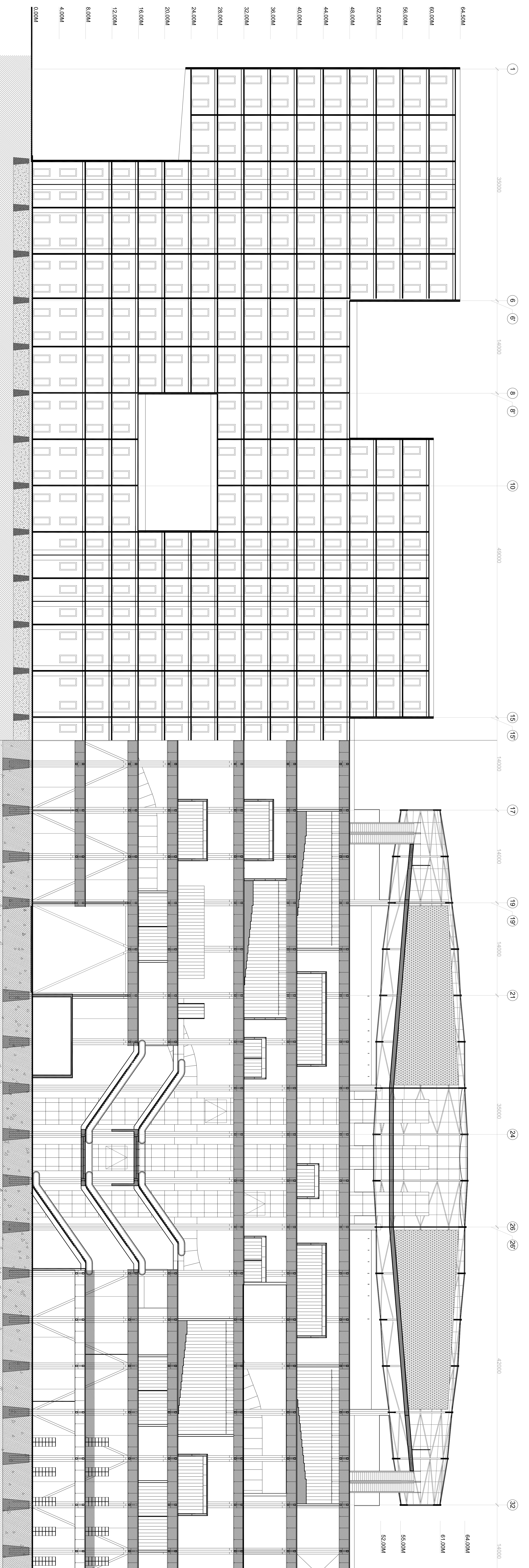
1:200 East Facade - Adaptation

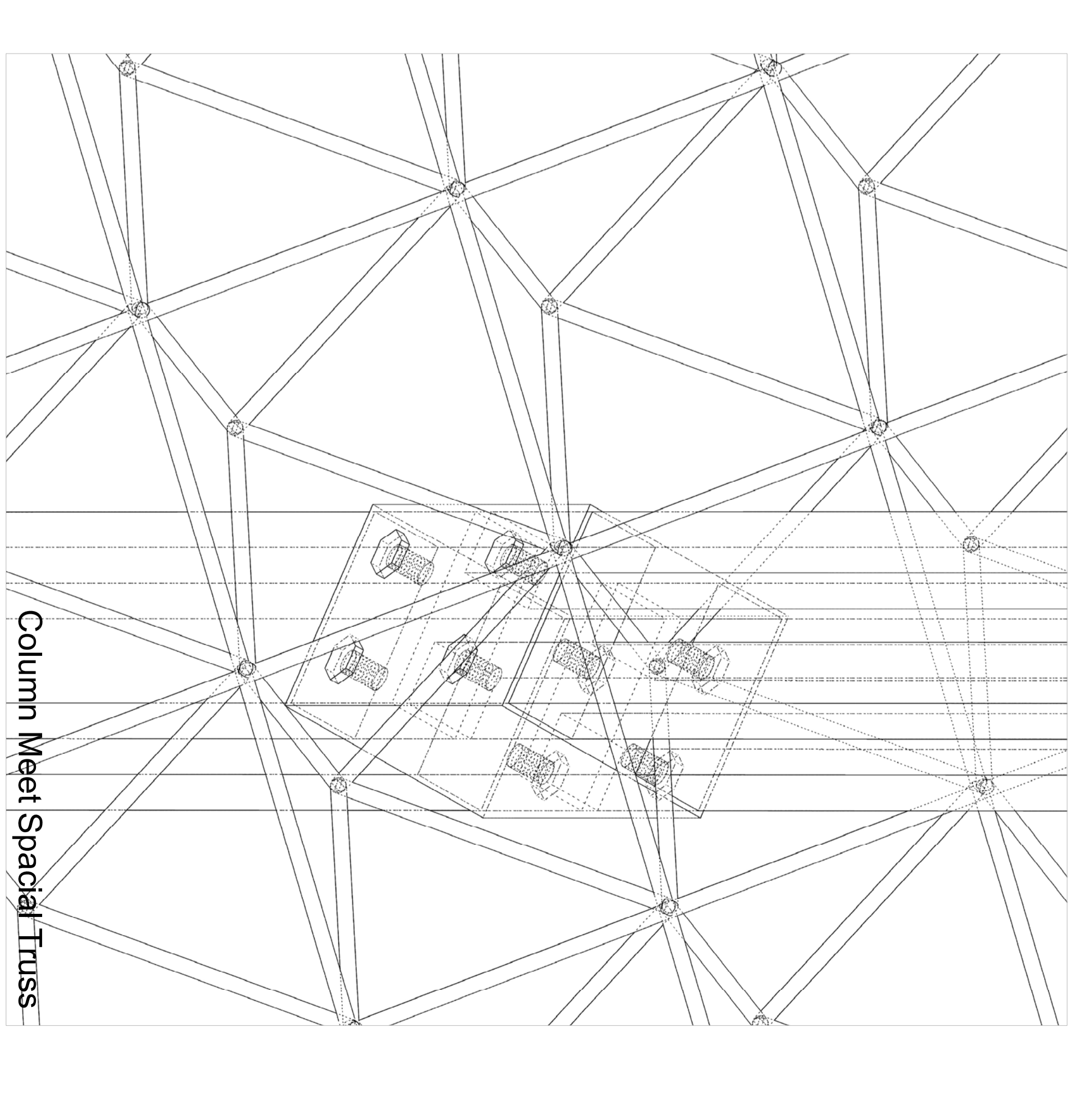
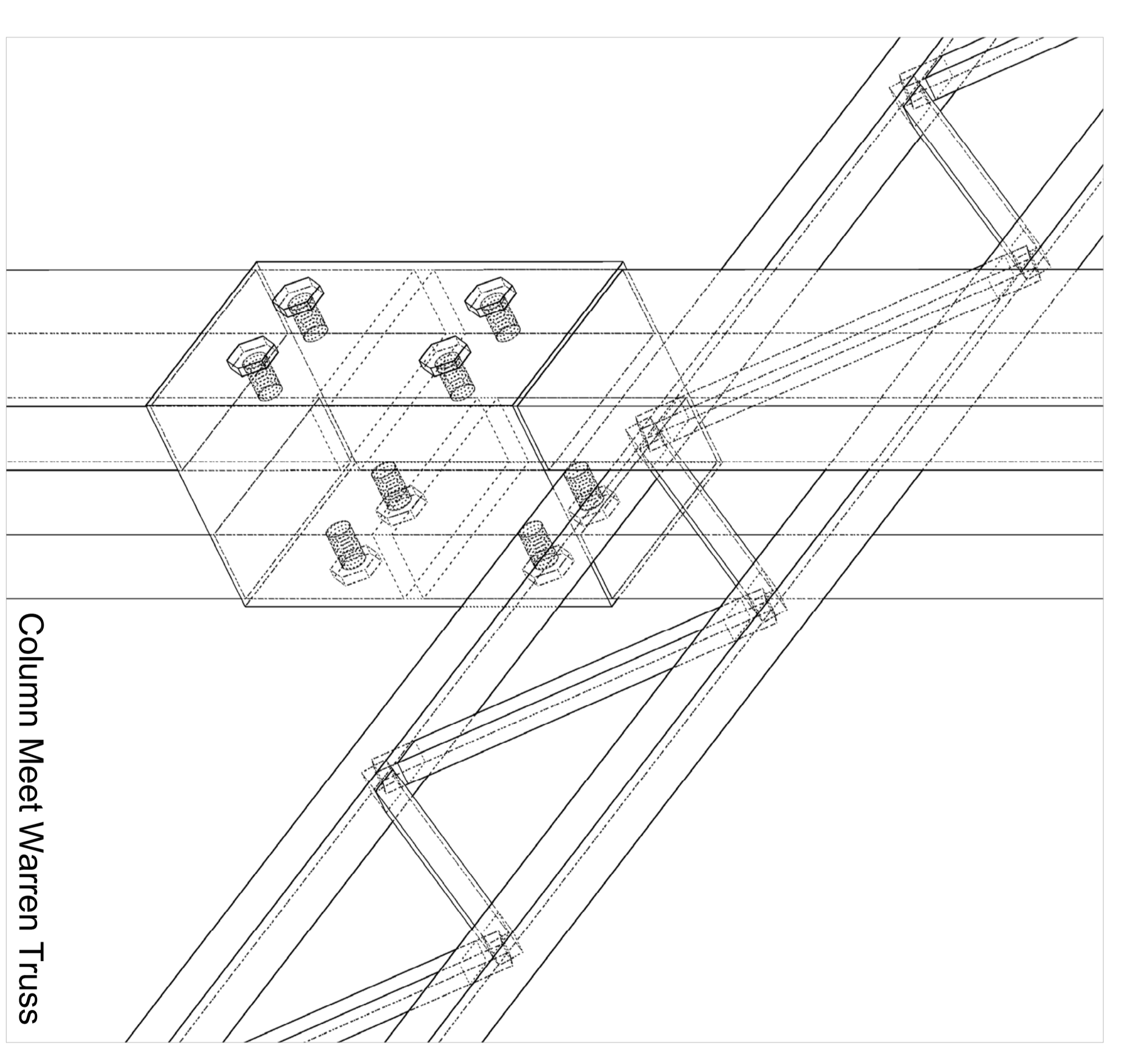
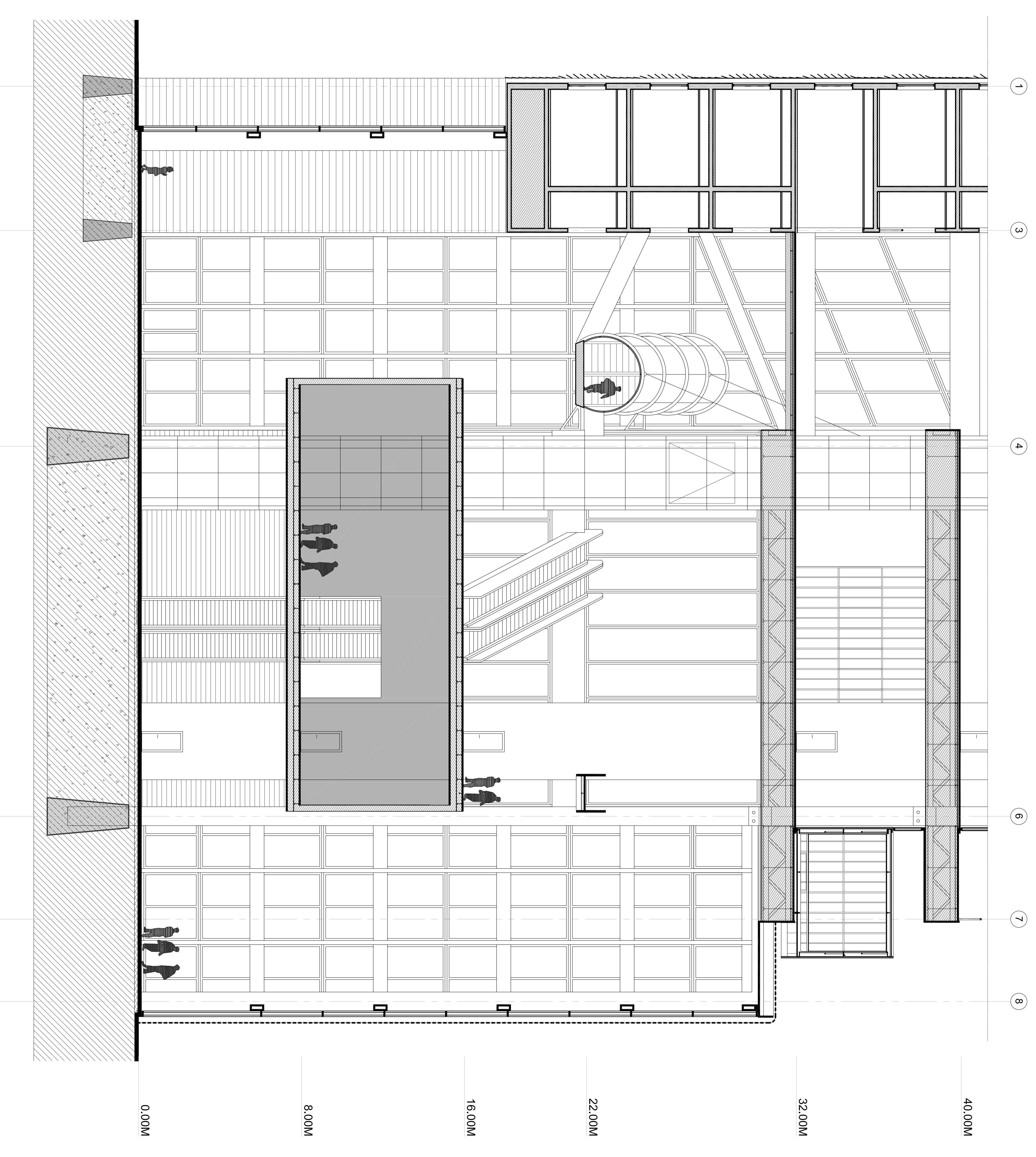
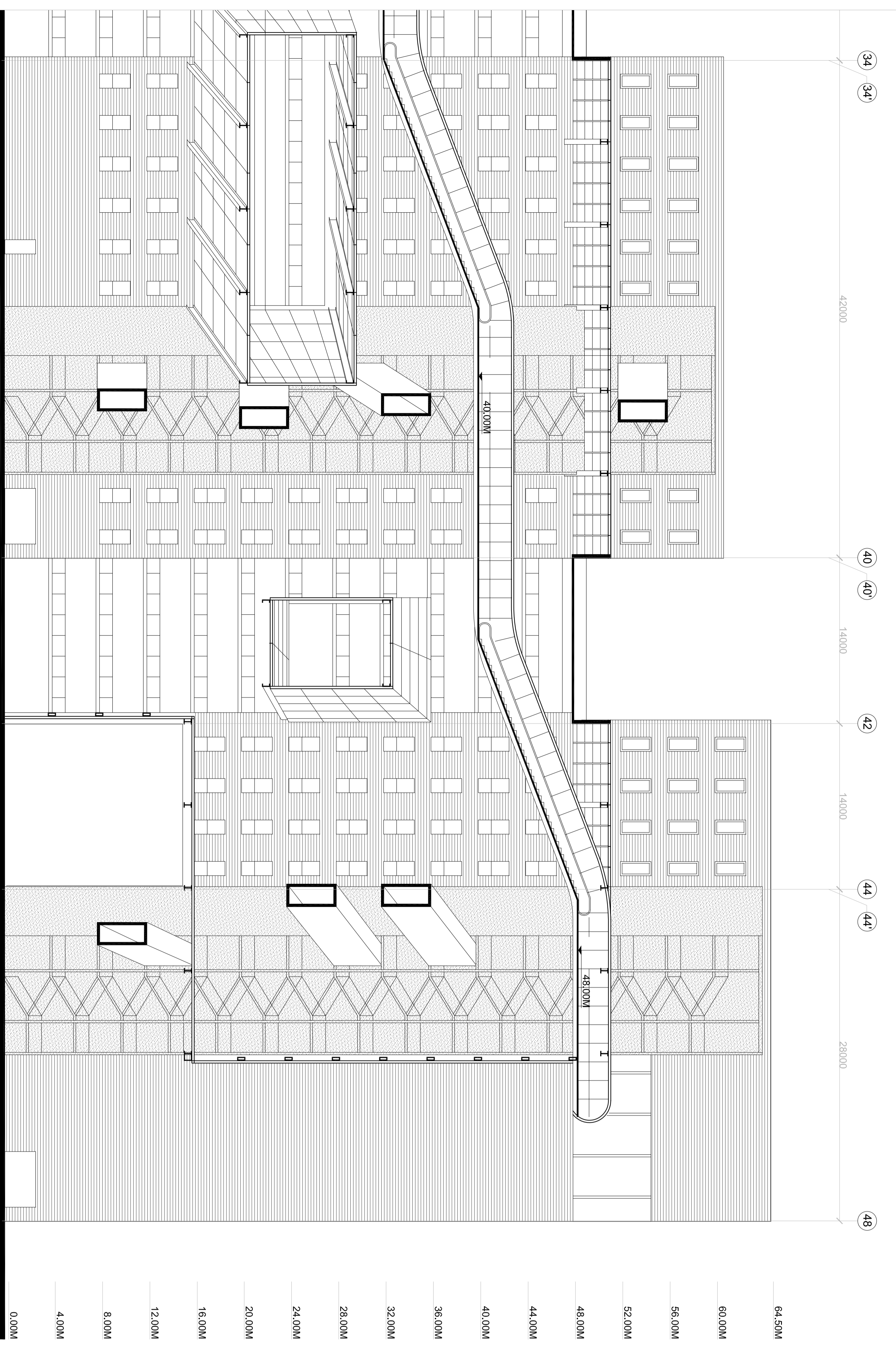
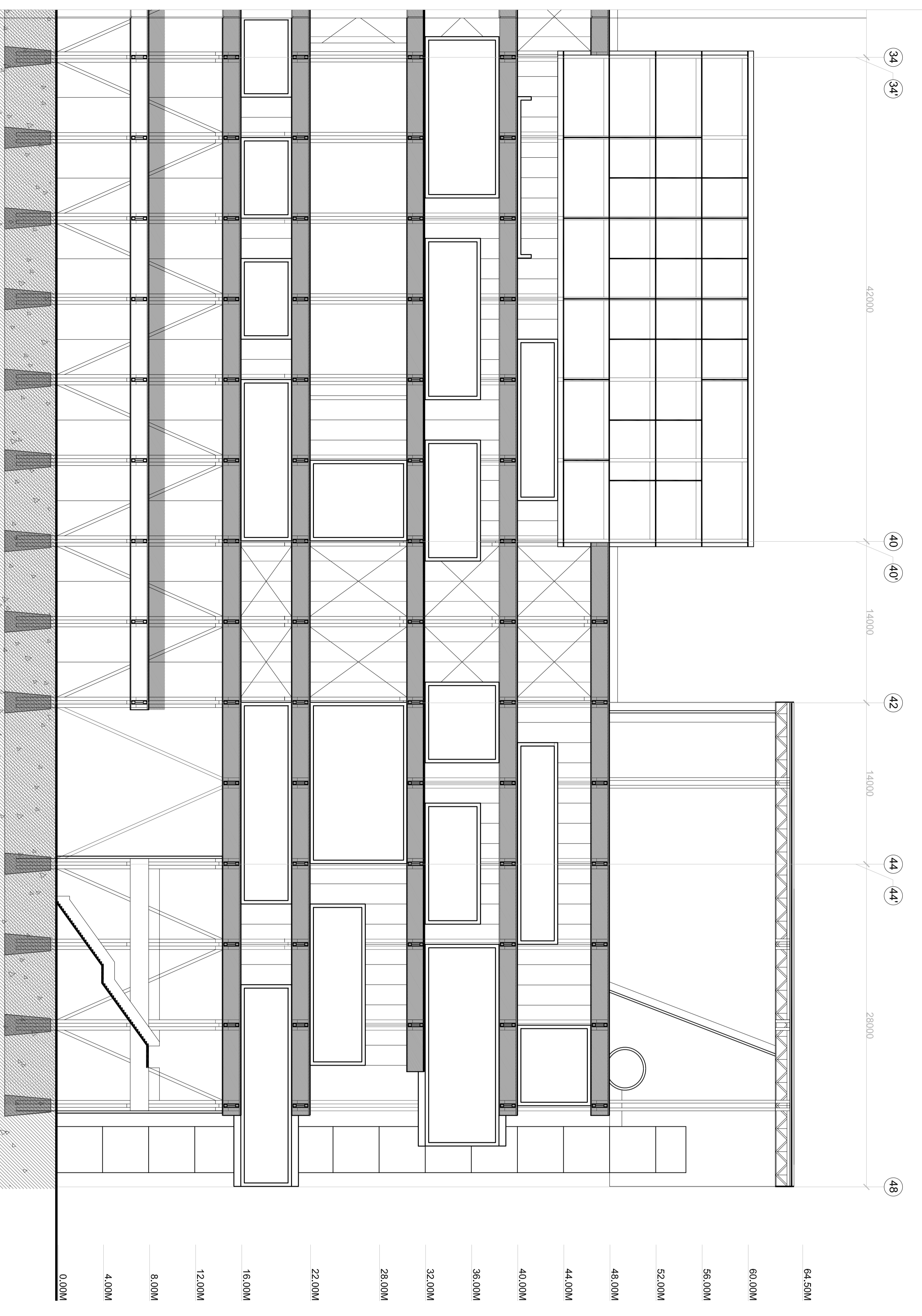


1:200 South Facade

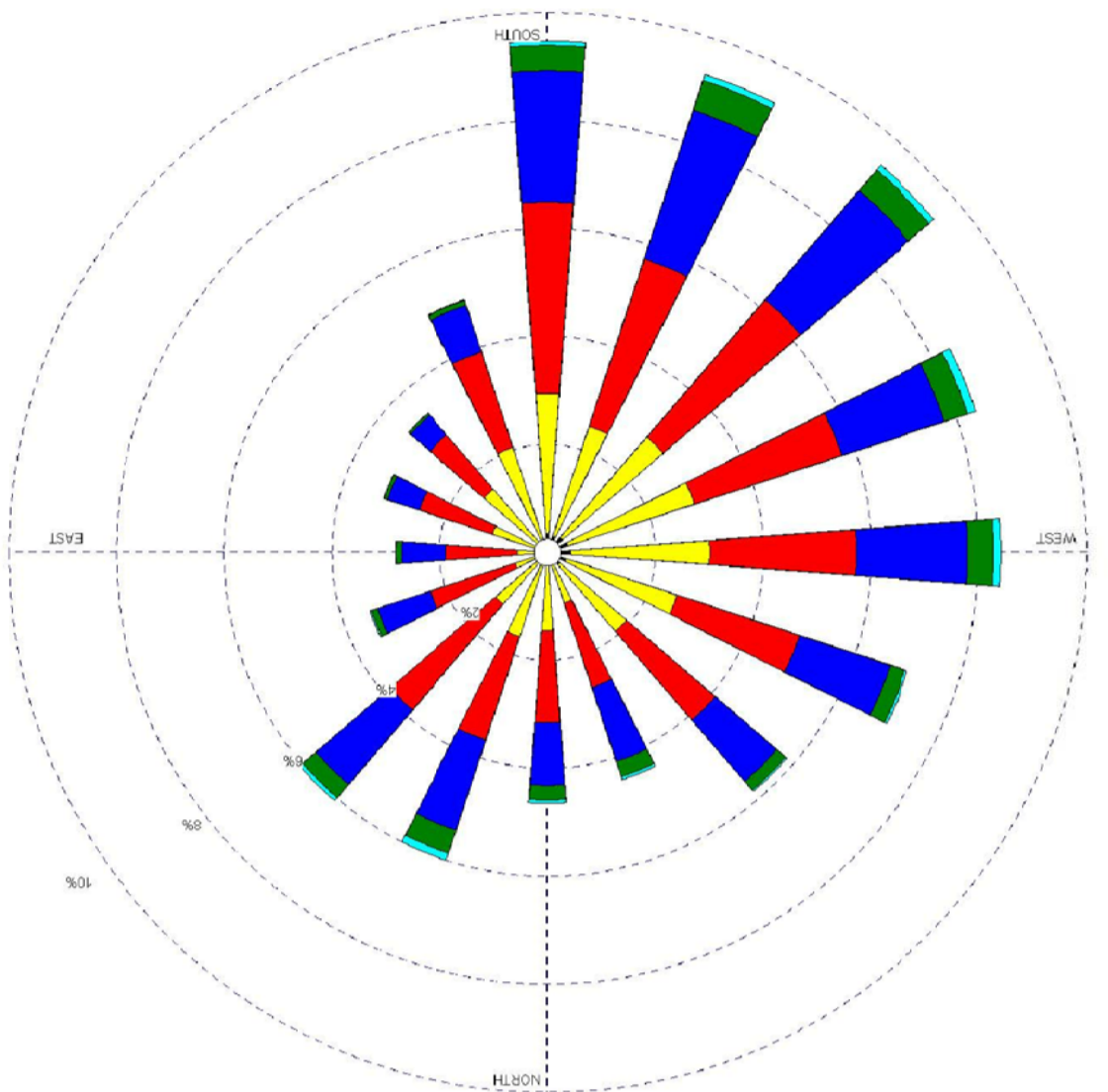


1:200 North Facade



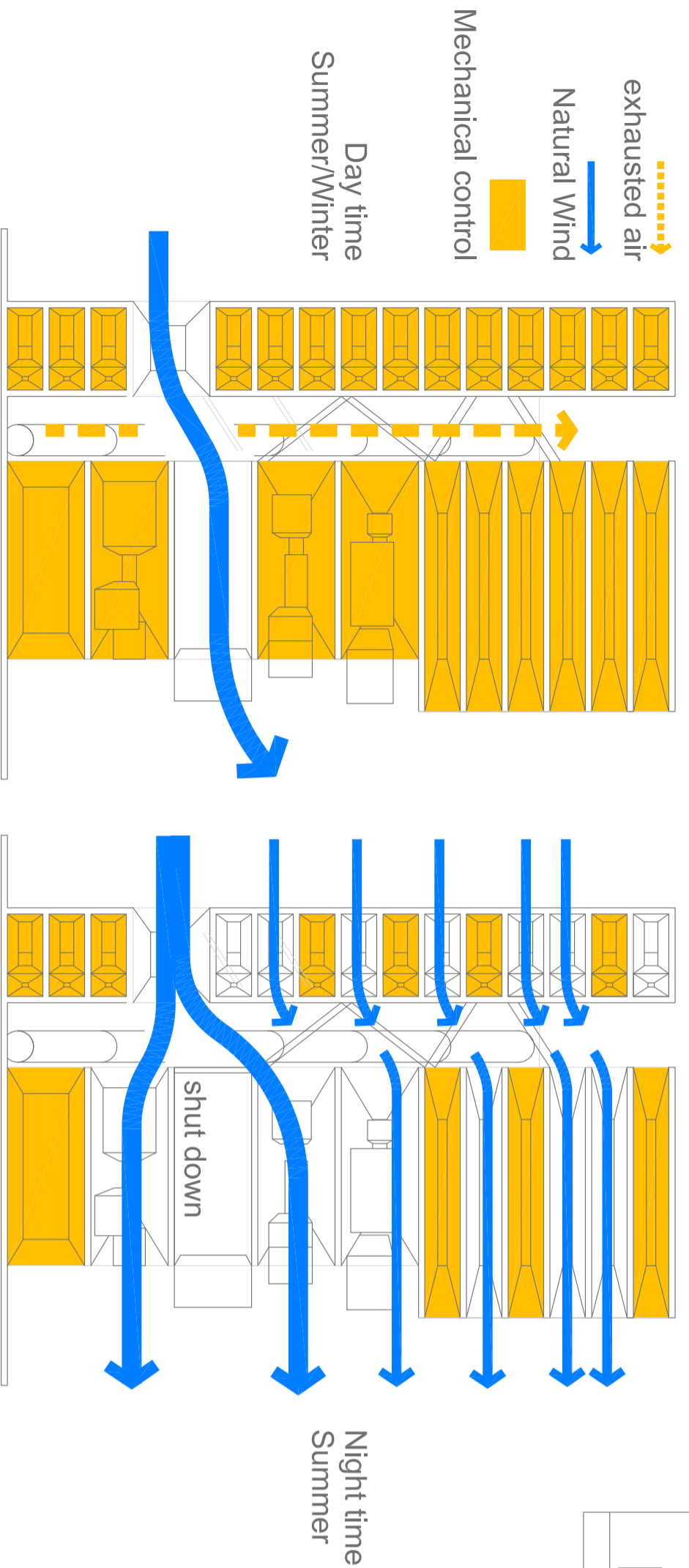




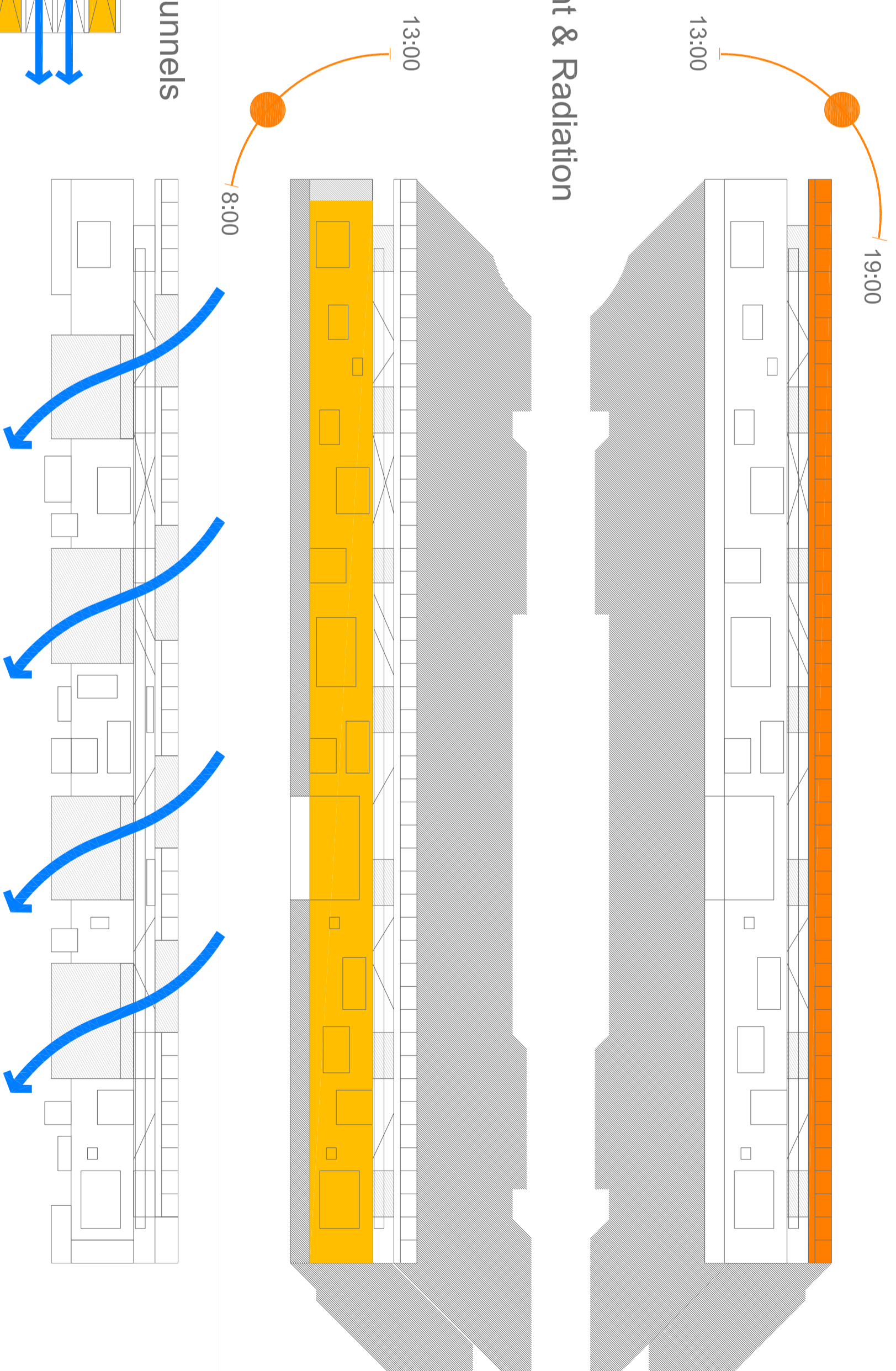


Wind Rose of Chicago

Wind Tunnels

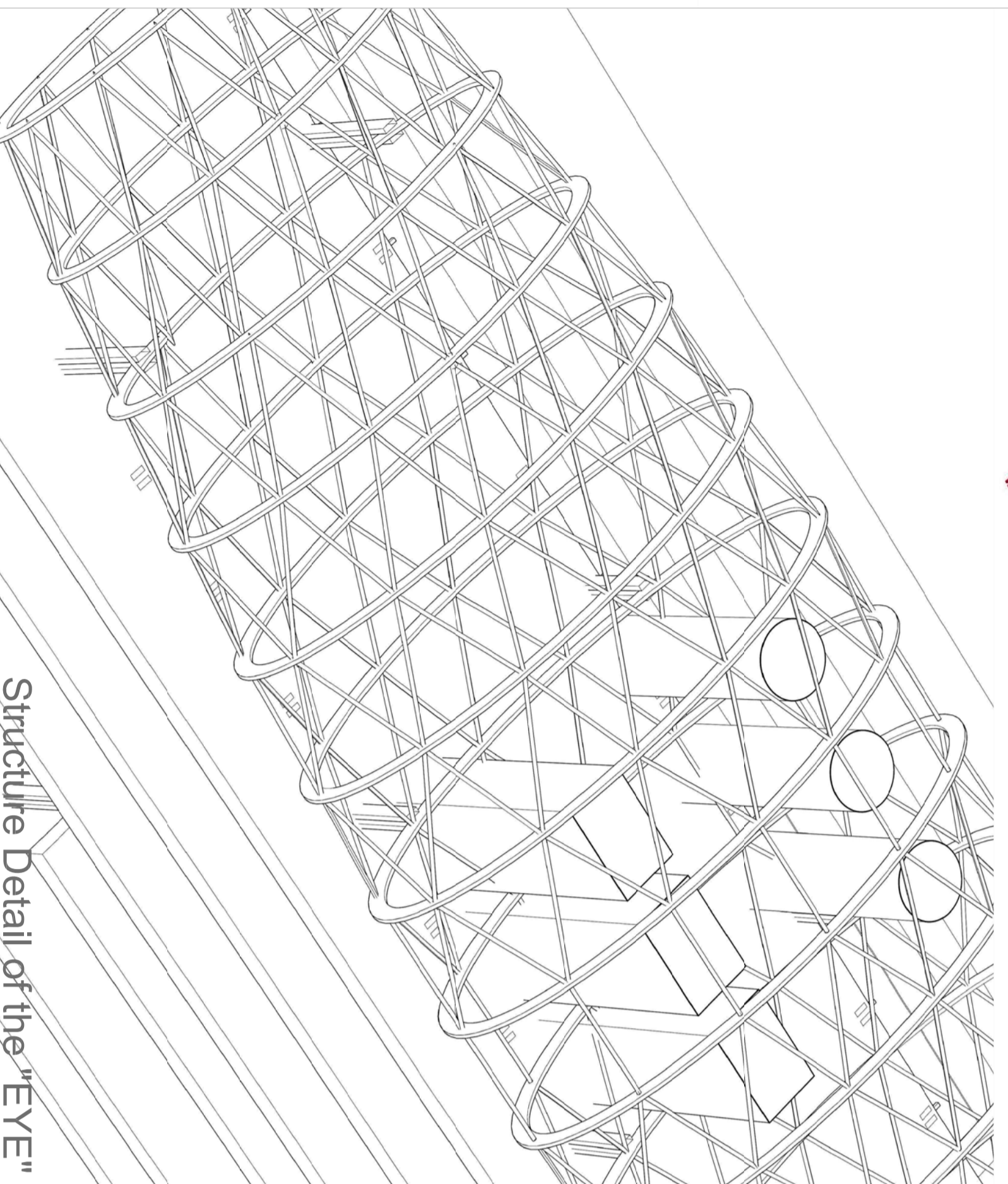
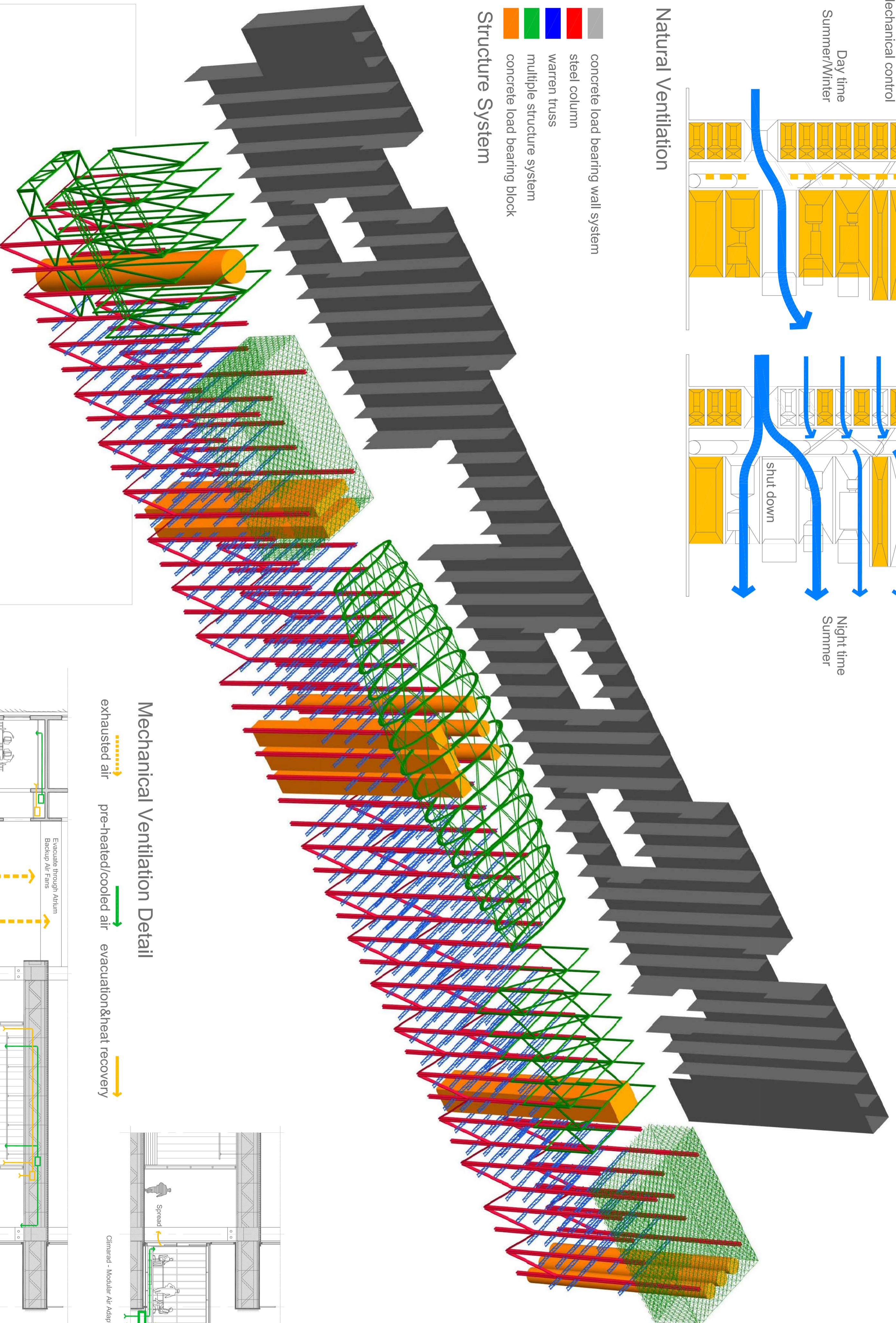


Sunlight & Radiation

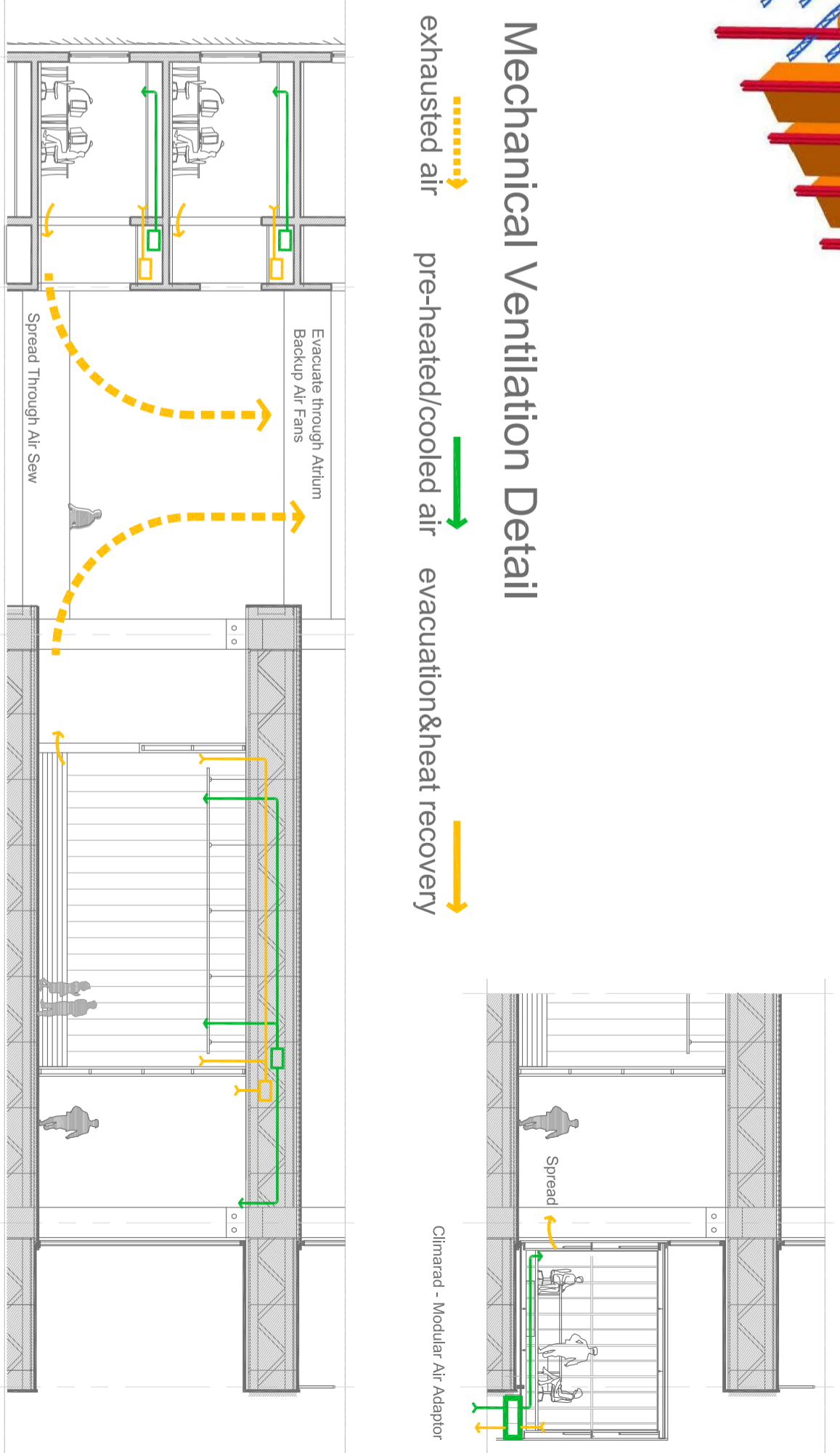


Natural Ventilation

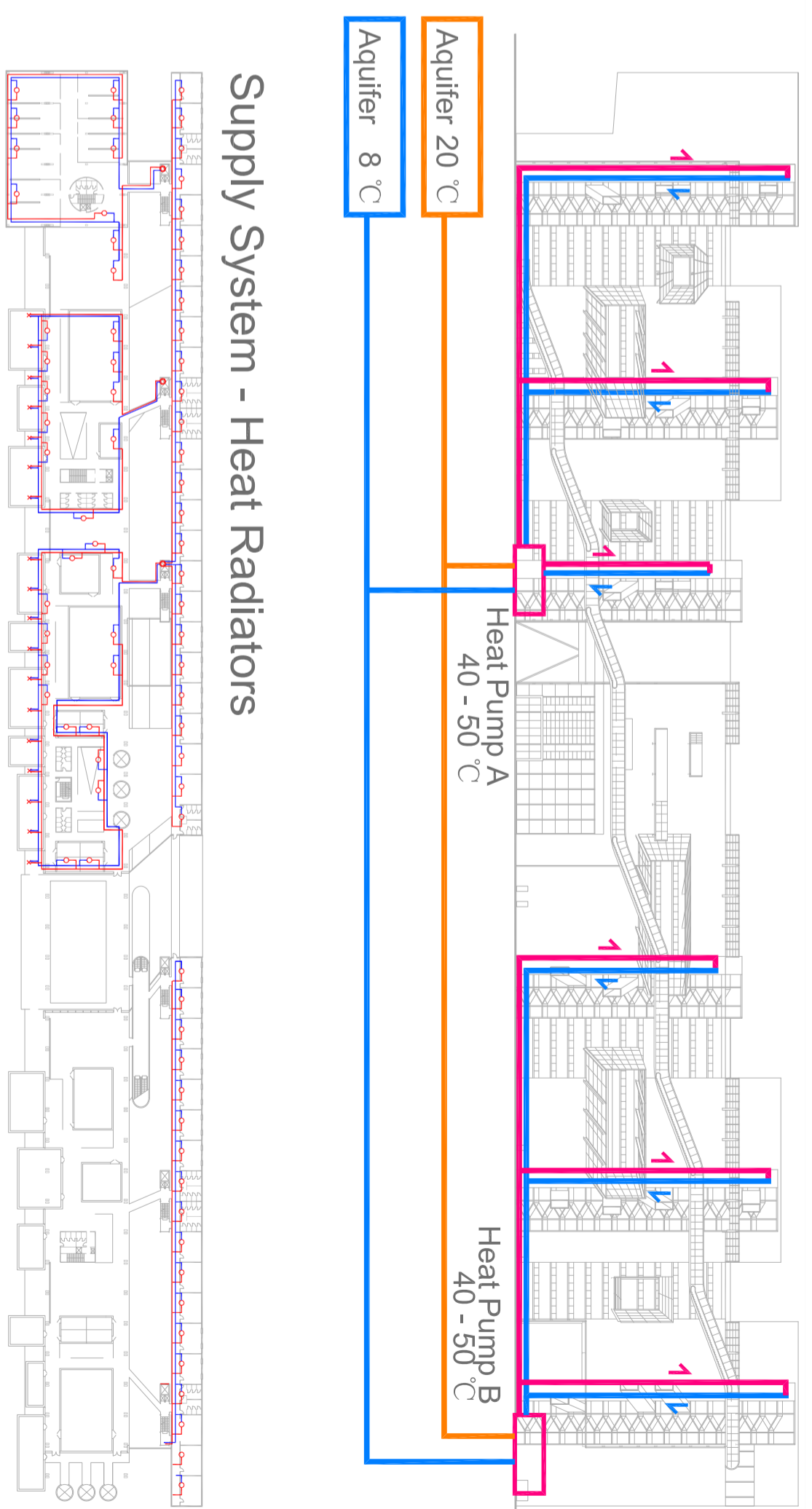
- grey concrete load bearing wall system
  - red steel column
  - blue warren truss
  - green multiple structure system
  - orange concrete load bearing block
- Structure System

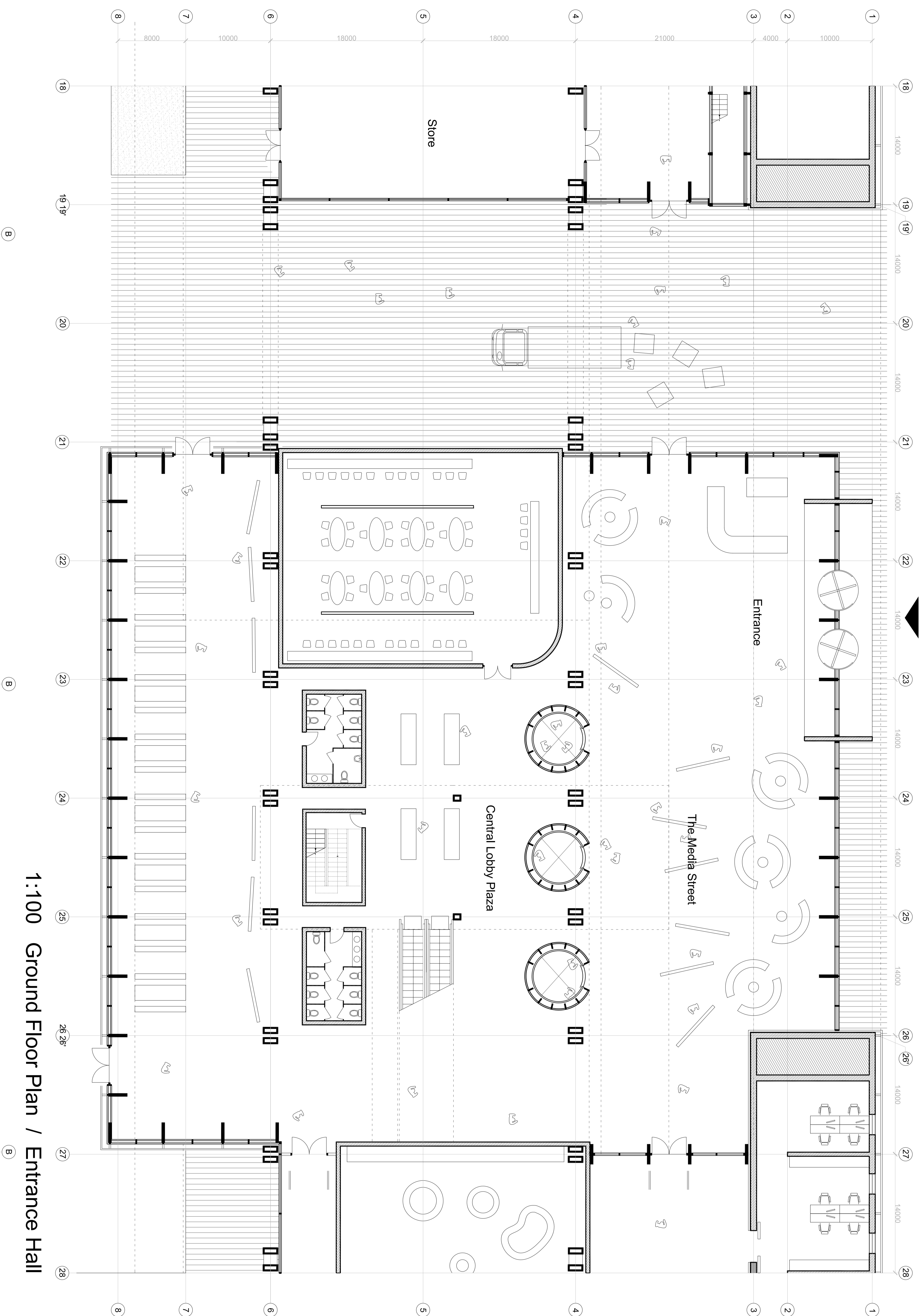


Mechanical Ventilation Detail

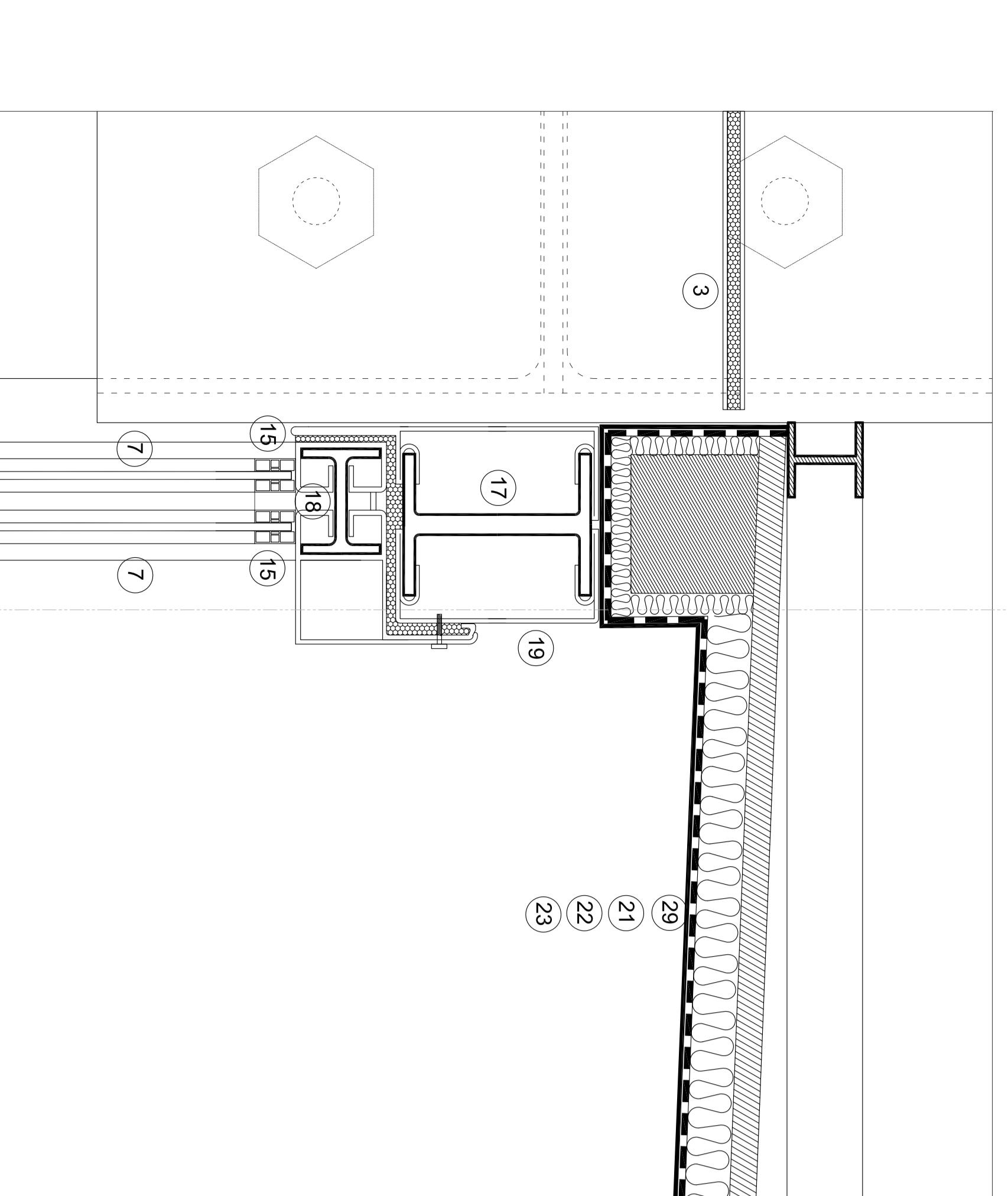


Generation & Transport System

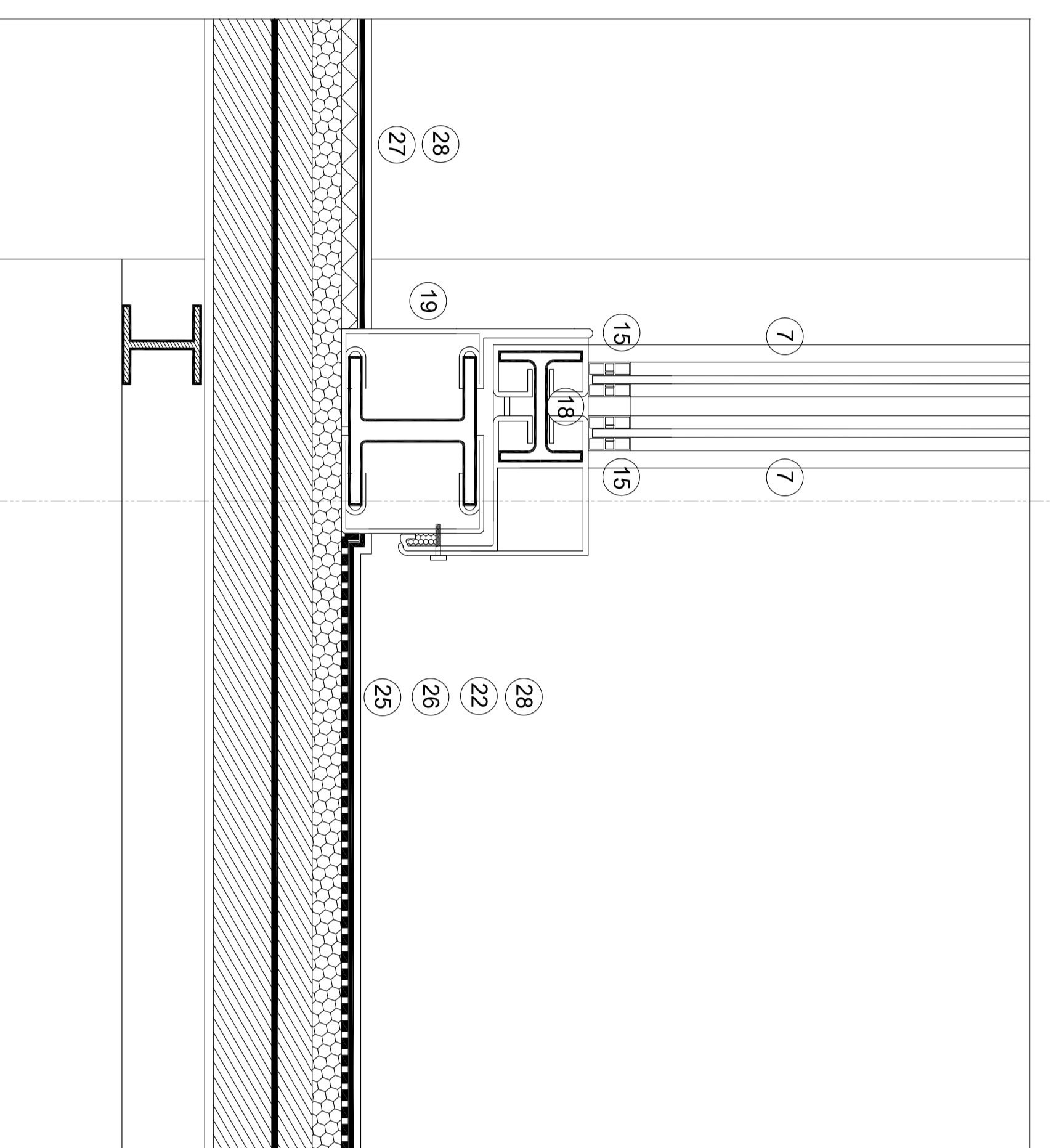




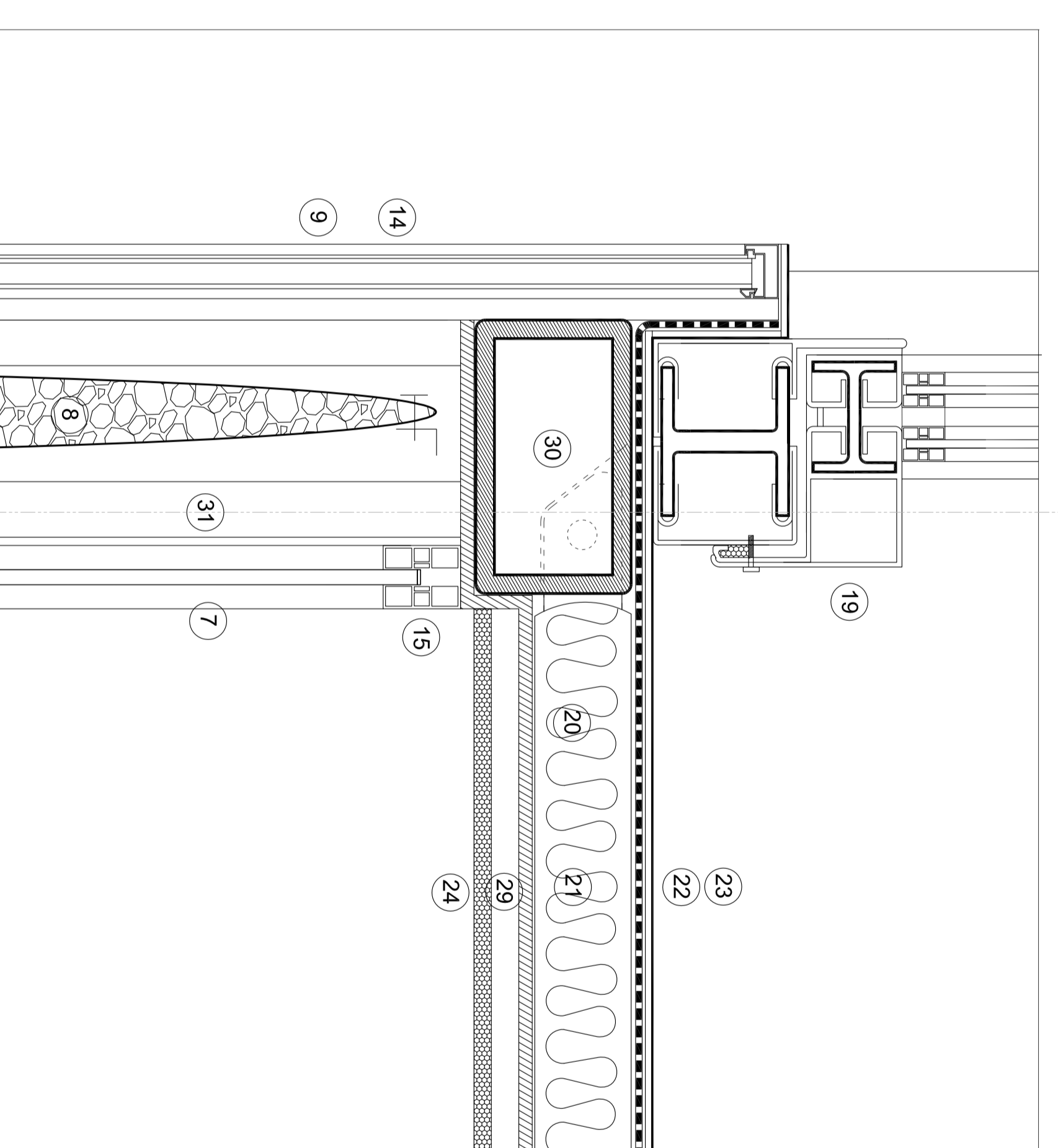
1:100 Ground Floor Plan / Entrance Hall



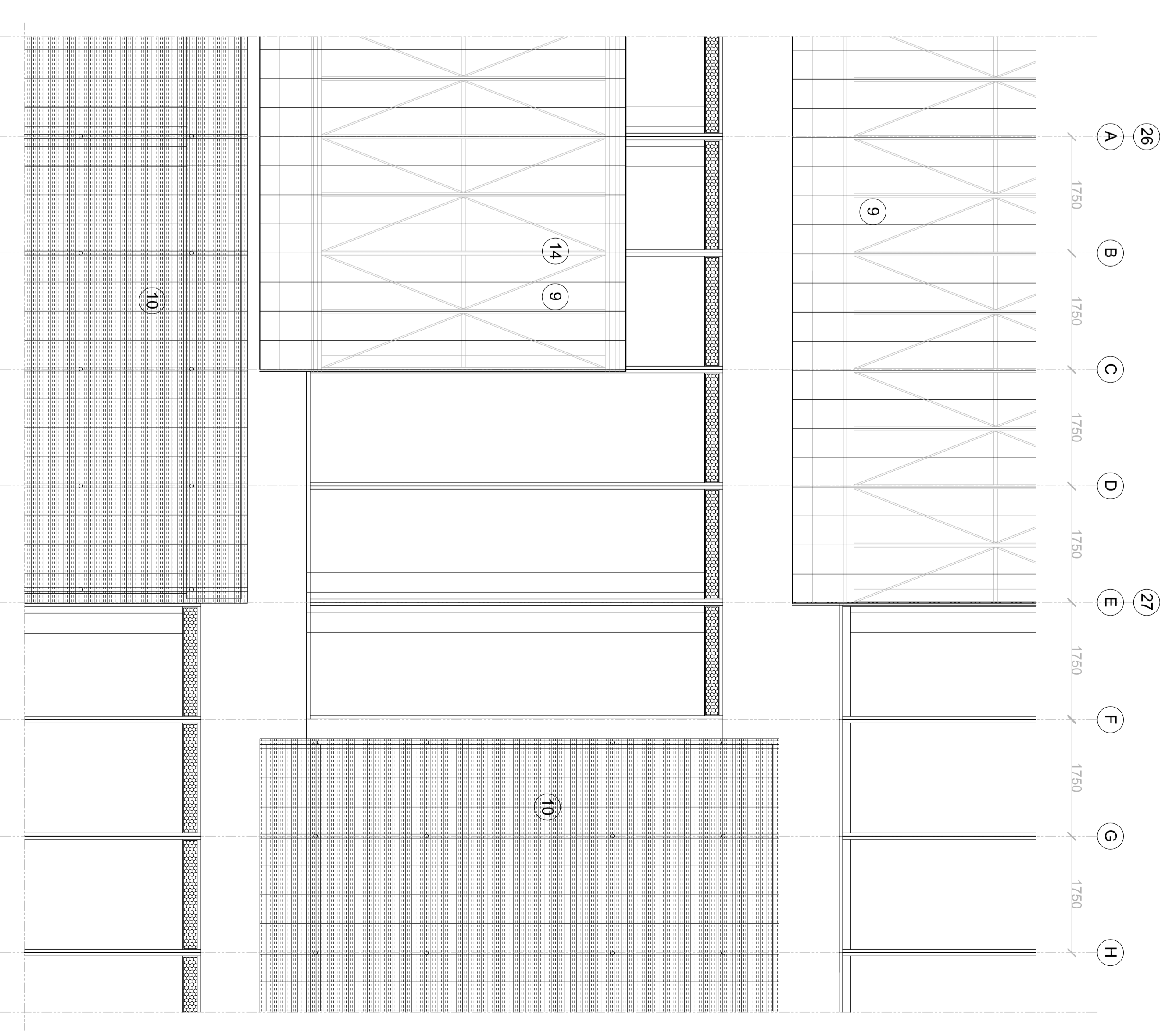
1:5 Detail A



1:5 Detail B



1:5 Detail C



1:50 East Facade Fragment

- |                              |                             |
|------------------------------|-----------------------------|
| 1 steel column               | 18 I beam steel 125X150     |
| 2 warren truss               | 19 steel veneer             |
| 3 gypsum ceiling board       | 20 round steel d 100        |
| 4 column joint               | 21 insulation foam          |
| 5 drain pipe                 | 22 water proof layer        |
| 6 floor drain                | 23 surface layer            |
| 7 tempered glass             | 24 plastic ceiling panel    |
| 8 polymer insulation filling | 25 preshaped steel panel    |
| 9 polyester board            | 26 self-leveling insulation |
| 10 wire netting              | 27 damping layer            |
| 11 preshaped steel panel     | 28 floor surface layer      |
| 12 steel beam                | 29 plywood board            |
| 13 secondary plywood deck    | 30 rectangular steel beam   |
| 14 aluminum panel track      | 240X150                     |
| 15 aluminum glazing frame    | 31 diagonal bracing beam    |
| 16 rectangular steel beam    | 60X60                       |
| 240X240                      |                             |
| 17 I beam steel 195X165      |                             |

1:5 Detail Plan

