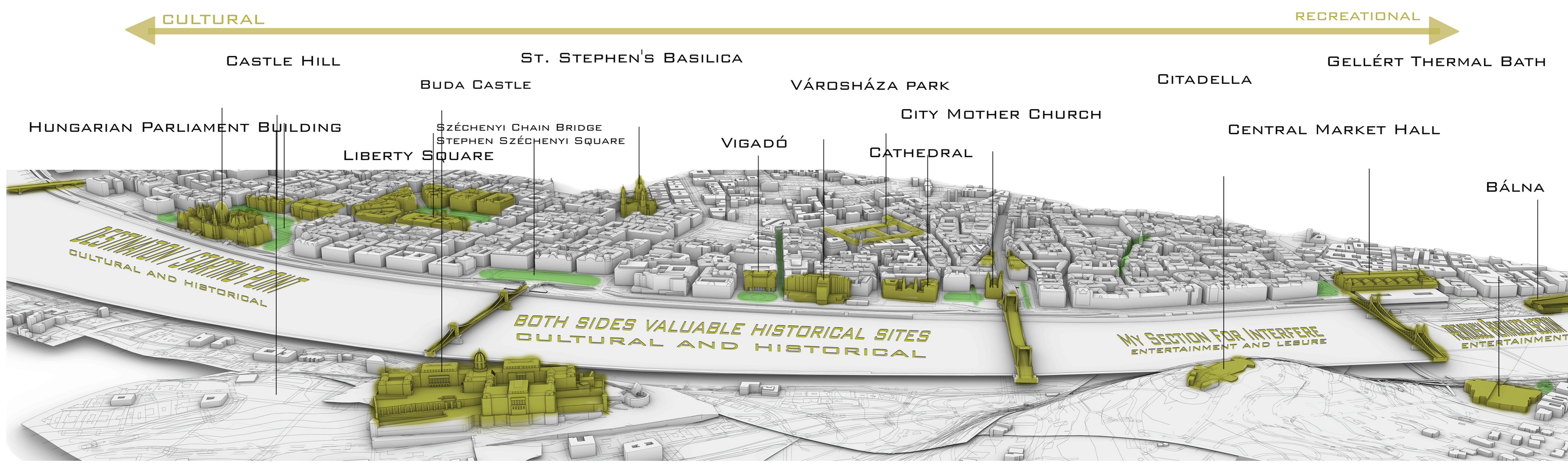


DIPLOMA PEST LOWER EMBANKMENT (BELGRÁD RKP.) REVITALIZATION

SUPERVISURE : DR. SZABÓ ÁRPÁD

2024



URBAN ANALYSIS - LEVEL 3



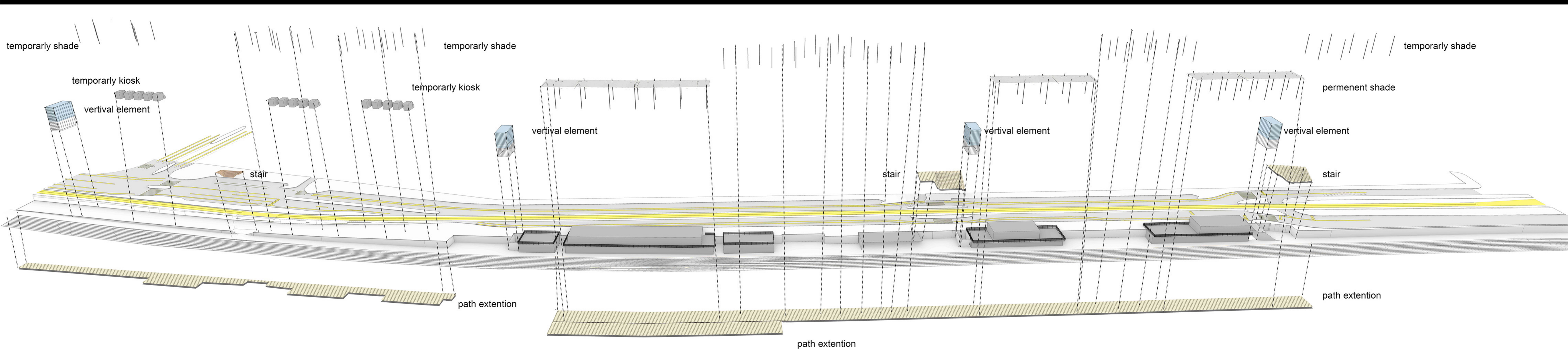
URBAN ANALYSIS - LEVEL 2



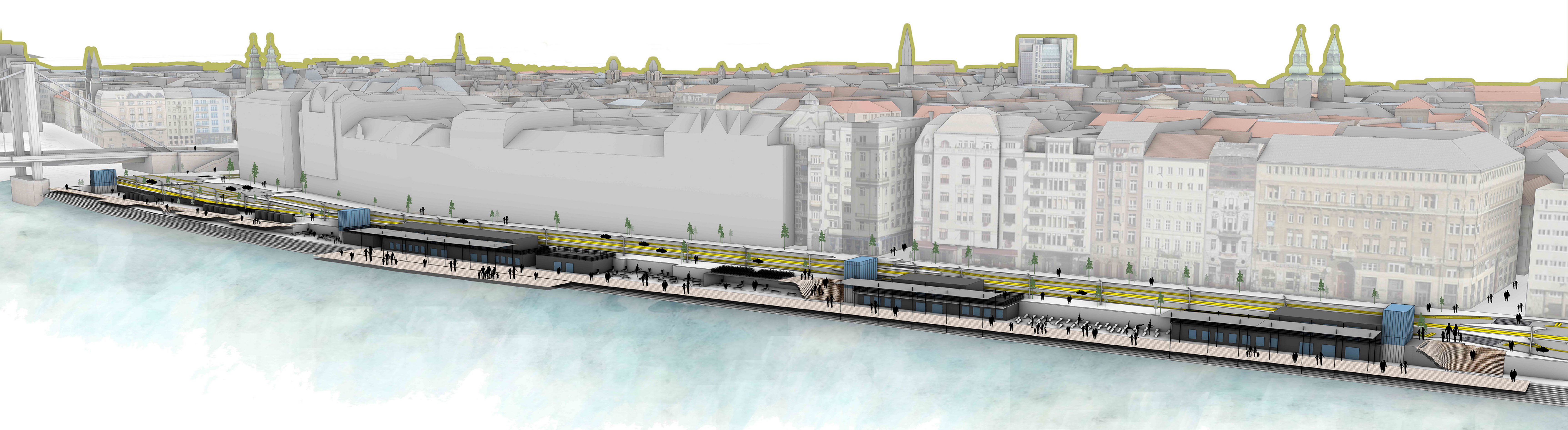
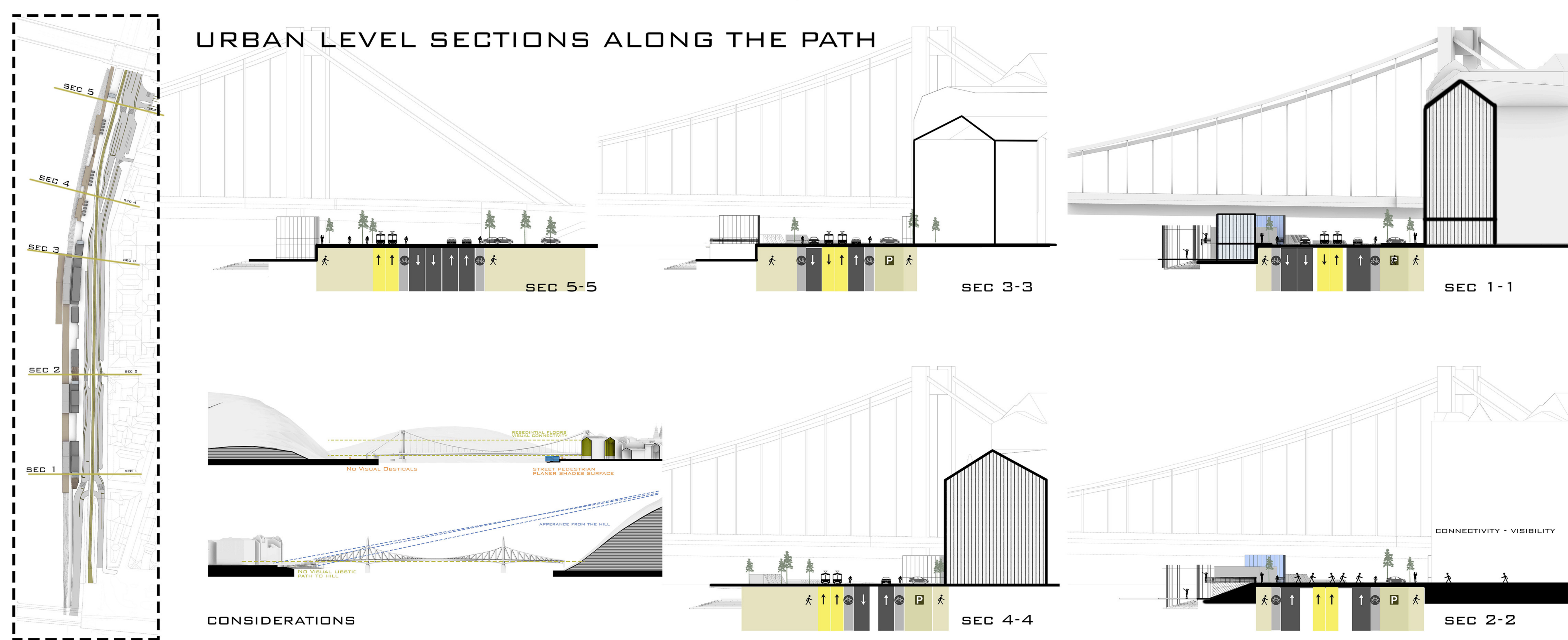
STUDENT : SUKKAR RAND

urb/bme





URBAN LEVEL SECTIONS ALONG THE PATH



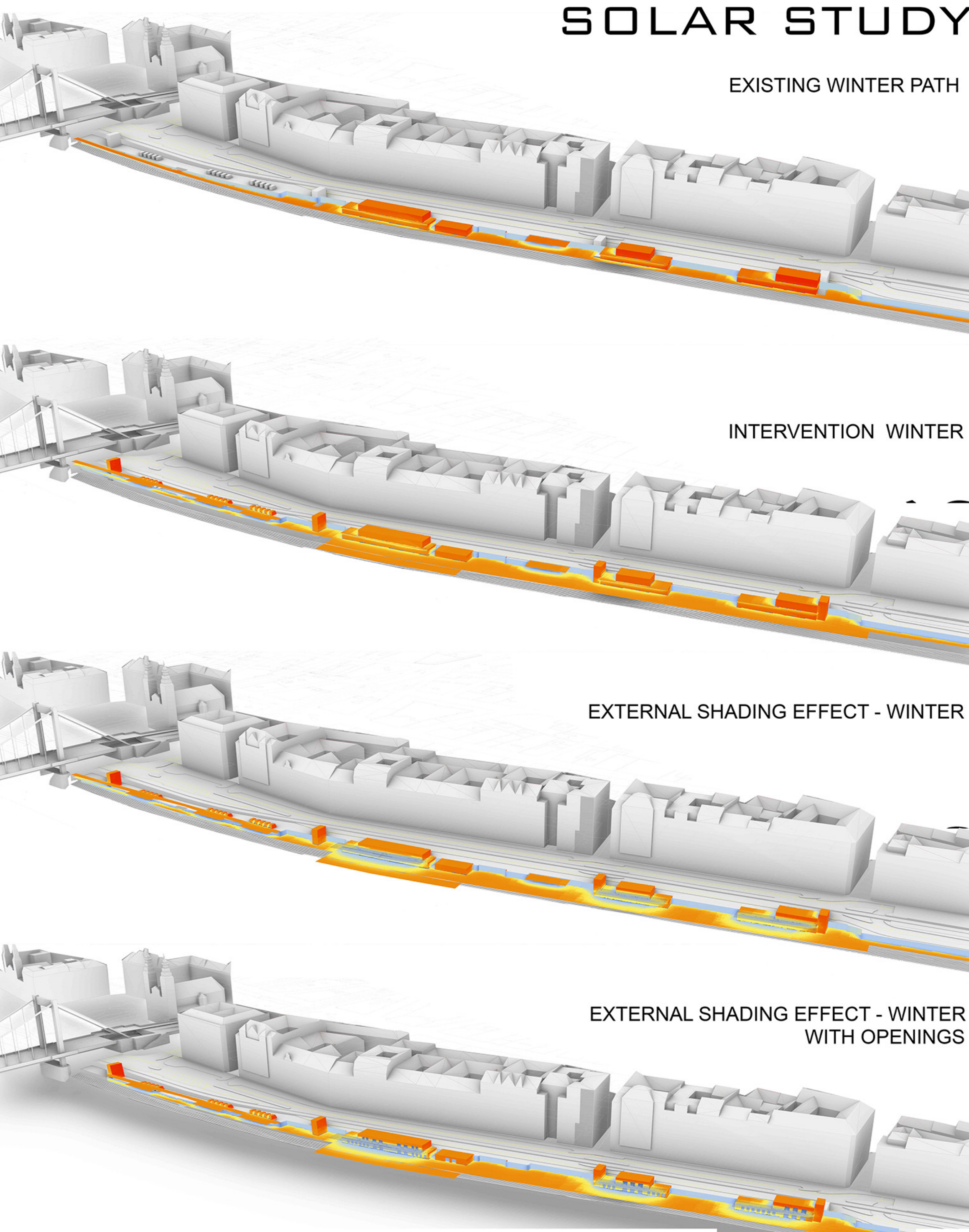
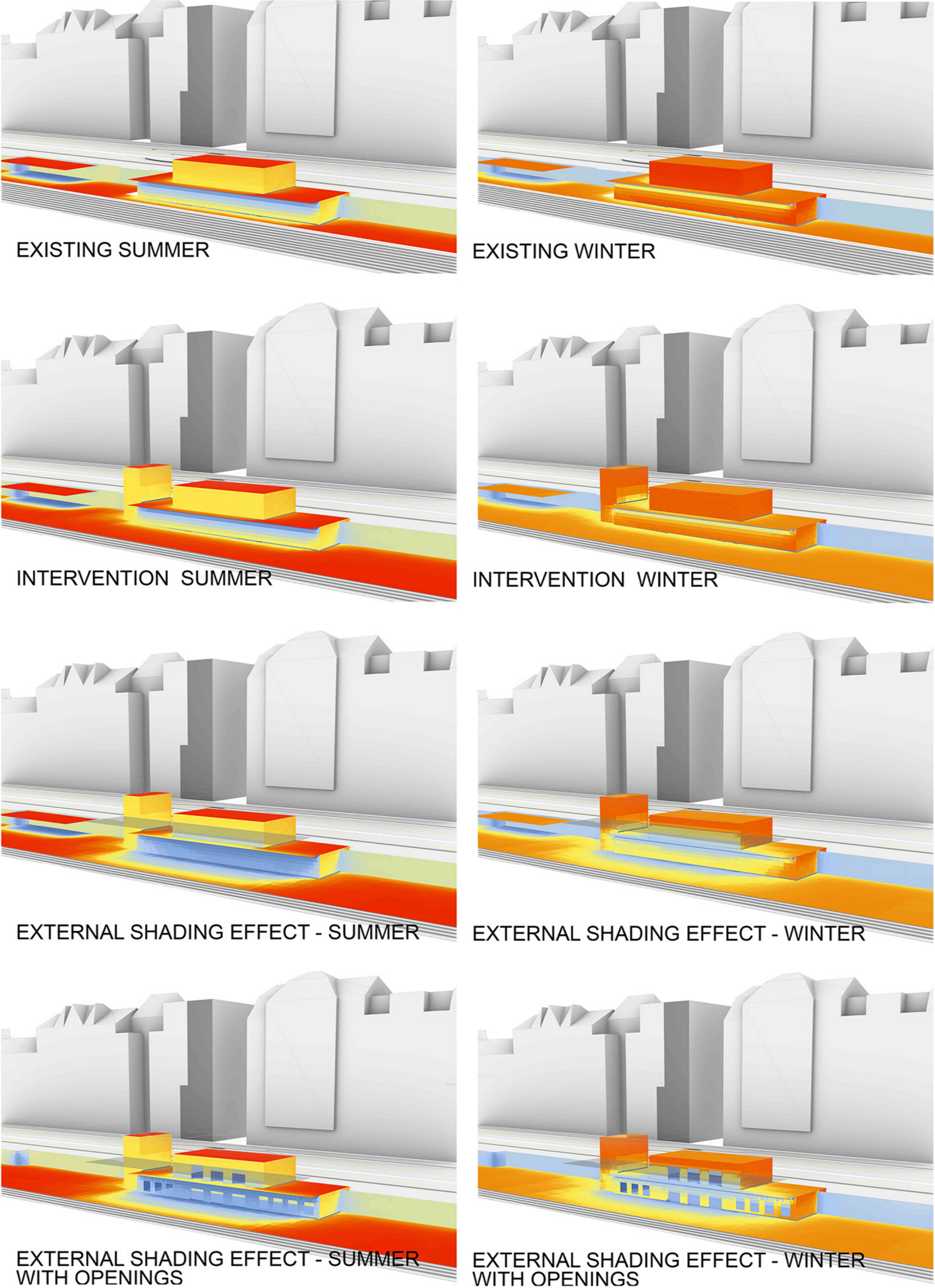
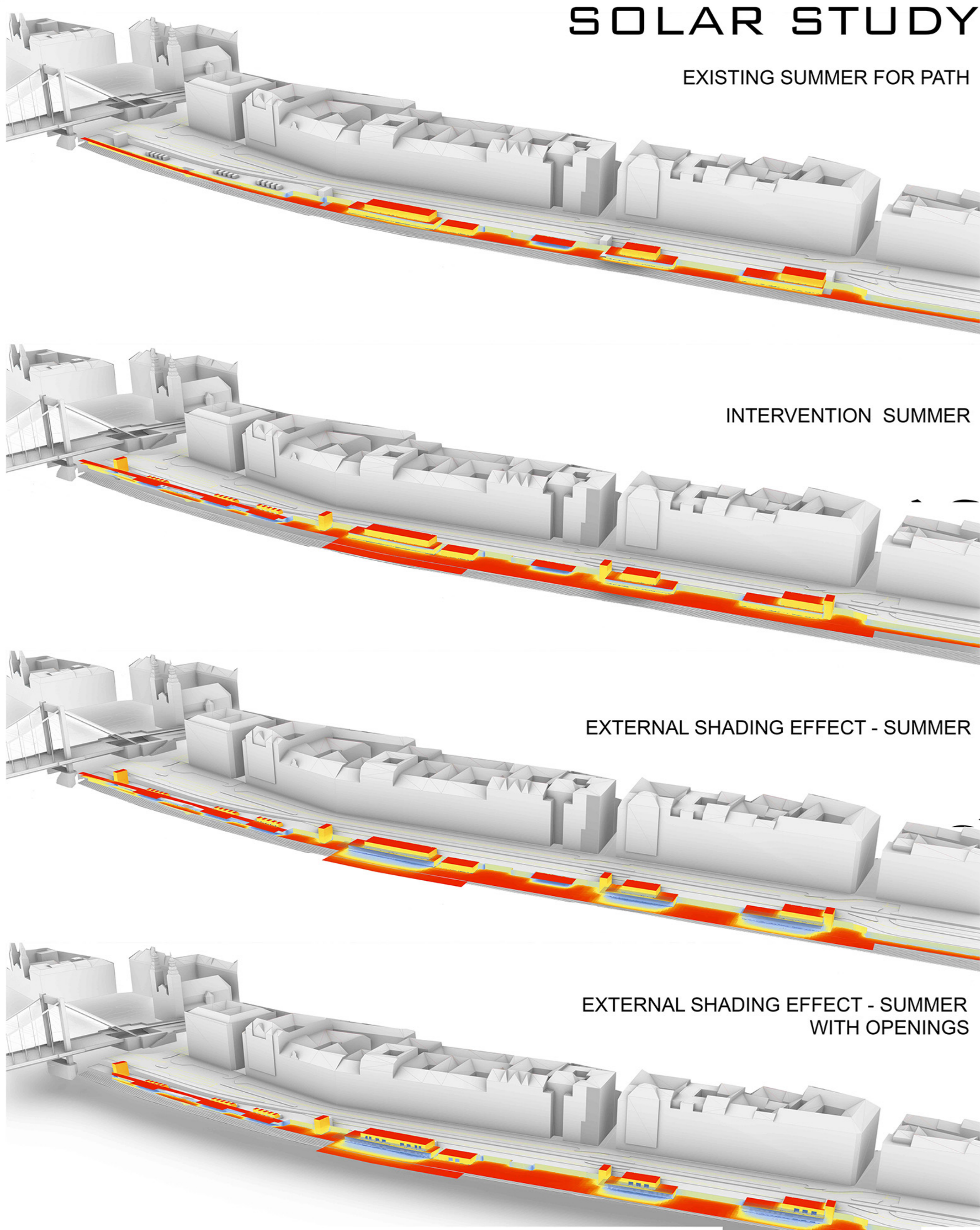
DIPLOMA PEST LOWER EMBANKMENT(BELGRÁD RKP.) REVITALIZATION

2024

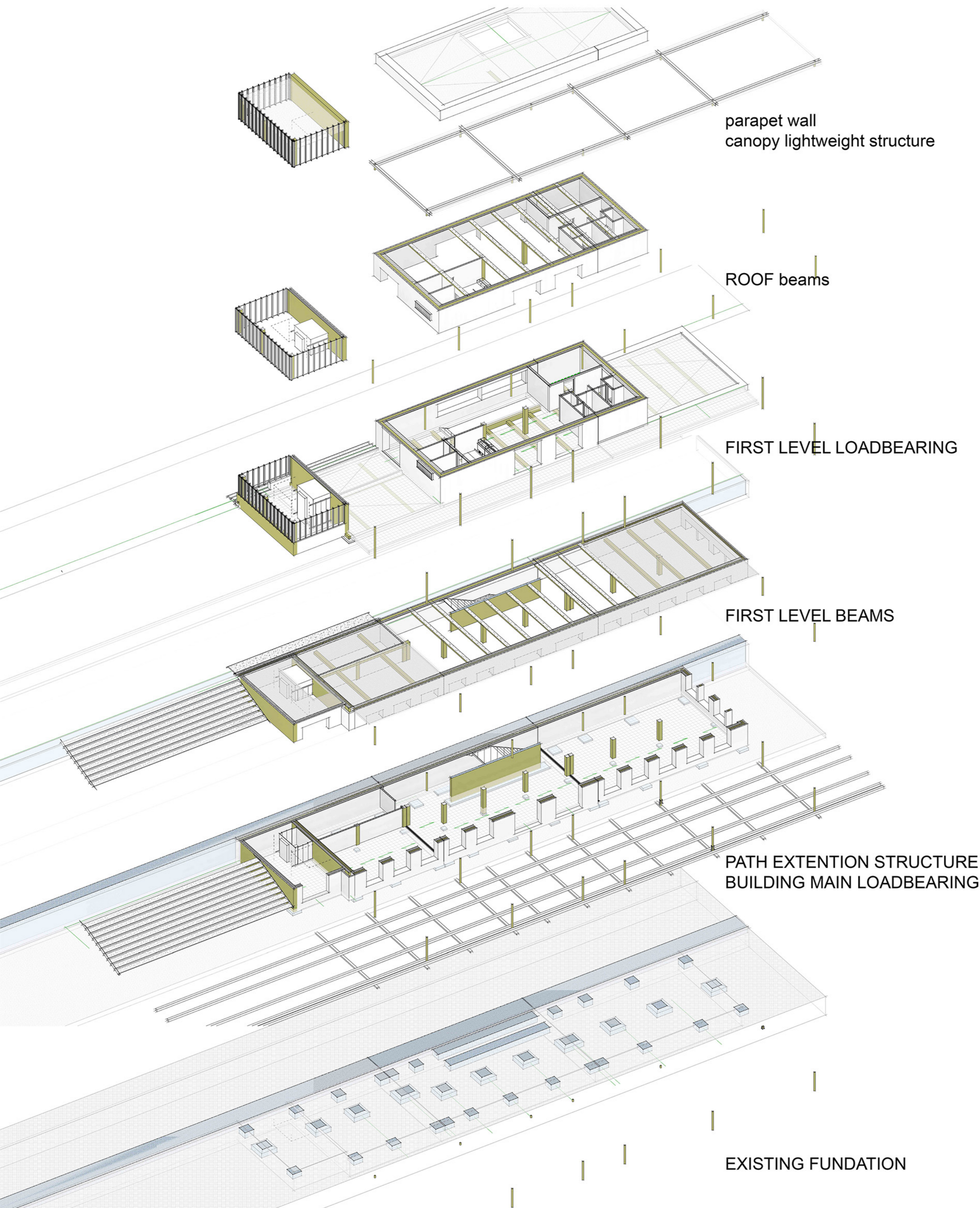
SUPERVISURE : DR. SZABÓ ÁRPÁD

SOLAR STUDY

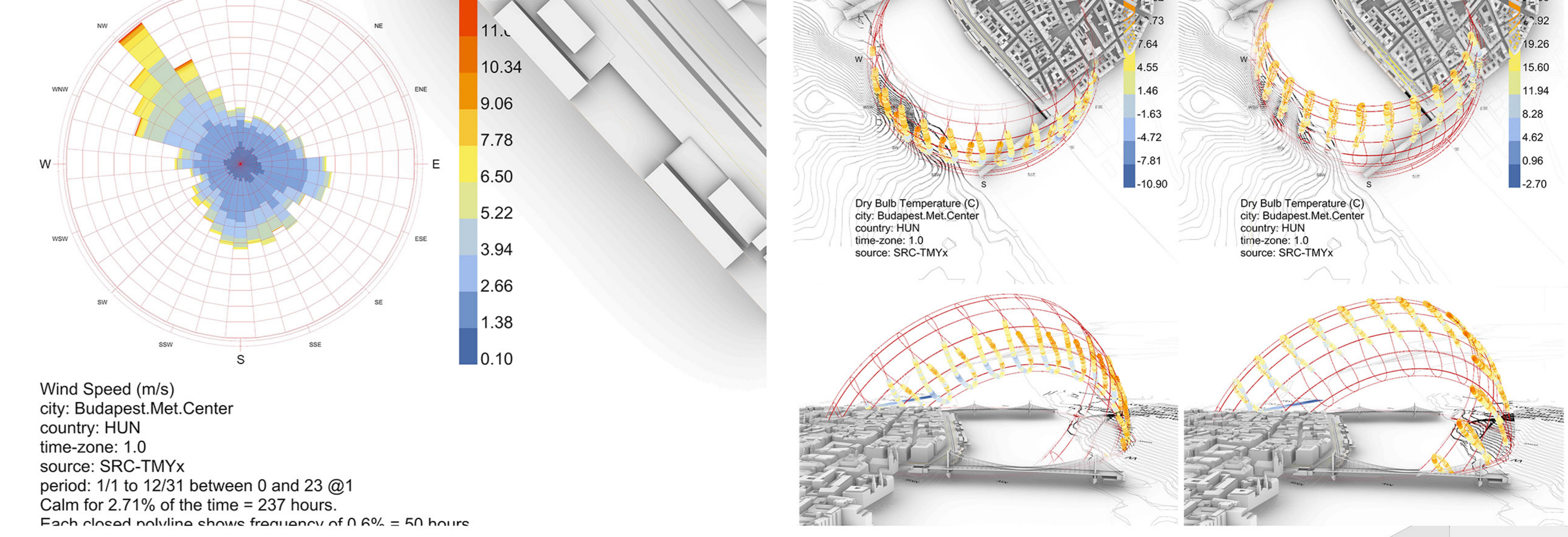
SOLAR STUDY



STRUCTURAL SYSTEM



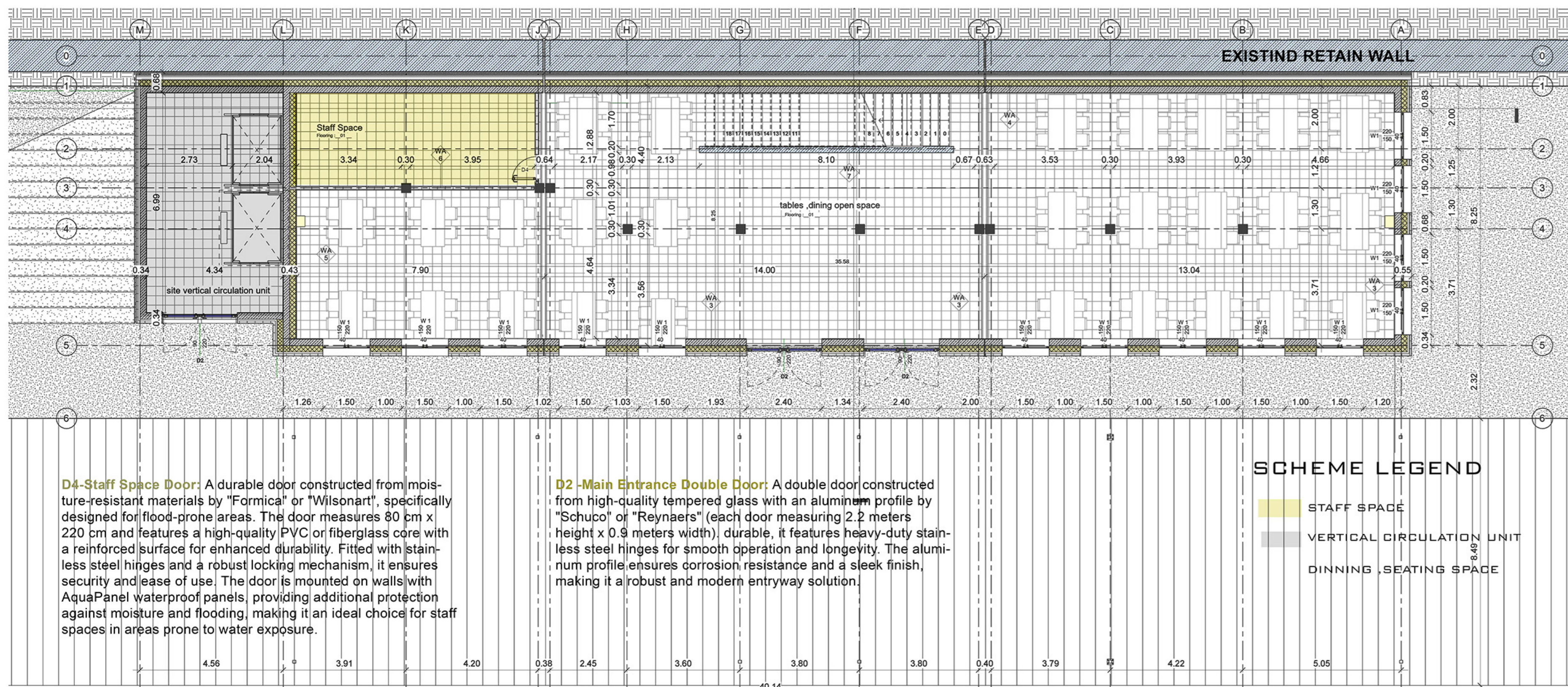
WIND STUDY



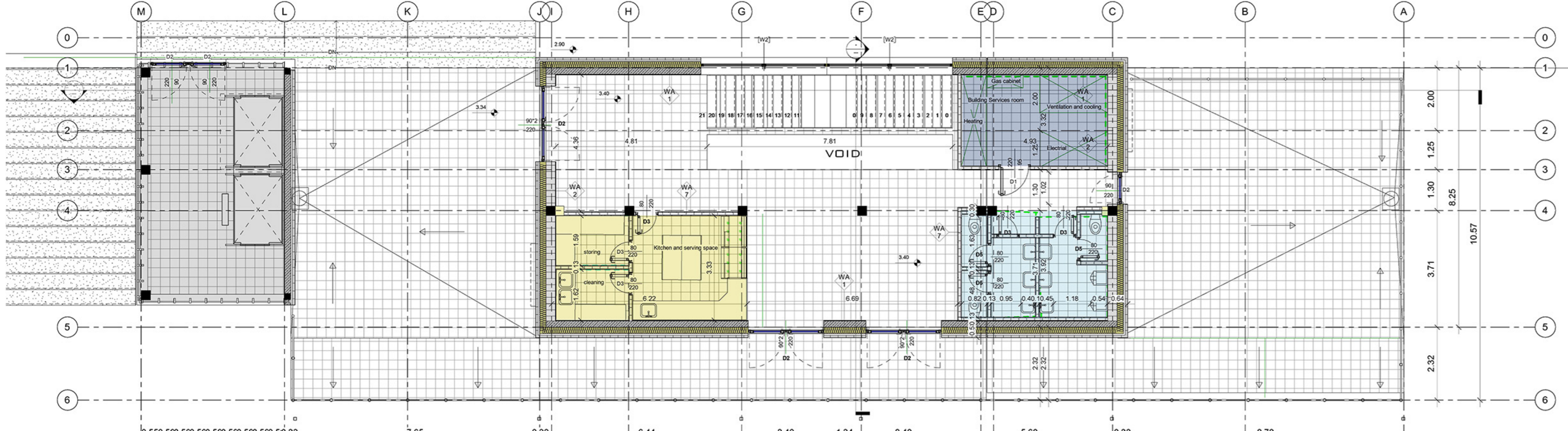
STUDENT : SUKKAR RAND

urb/bme

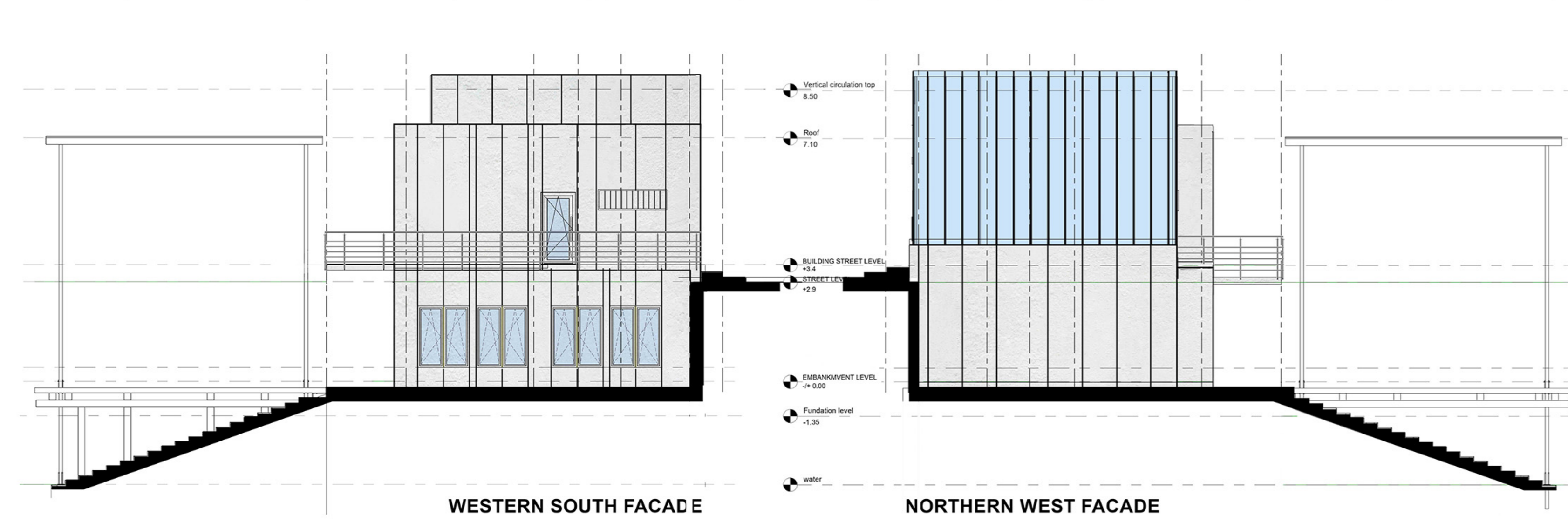
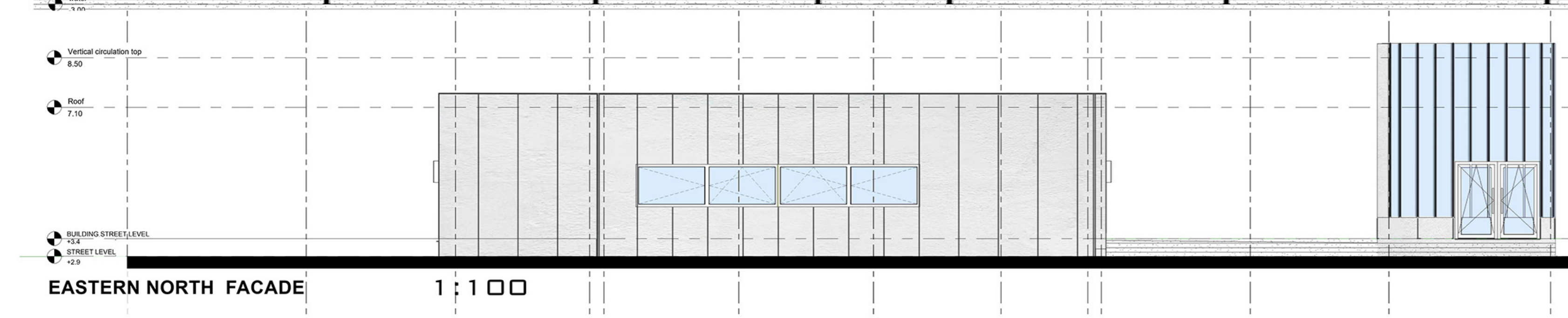
MŰEGYETEM 1782



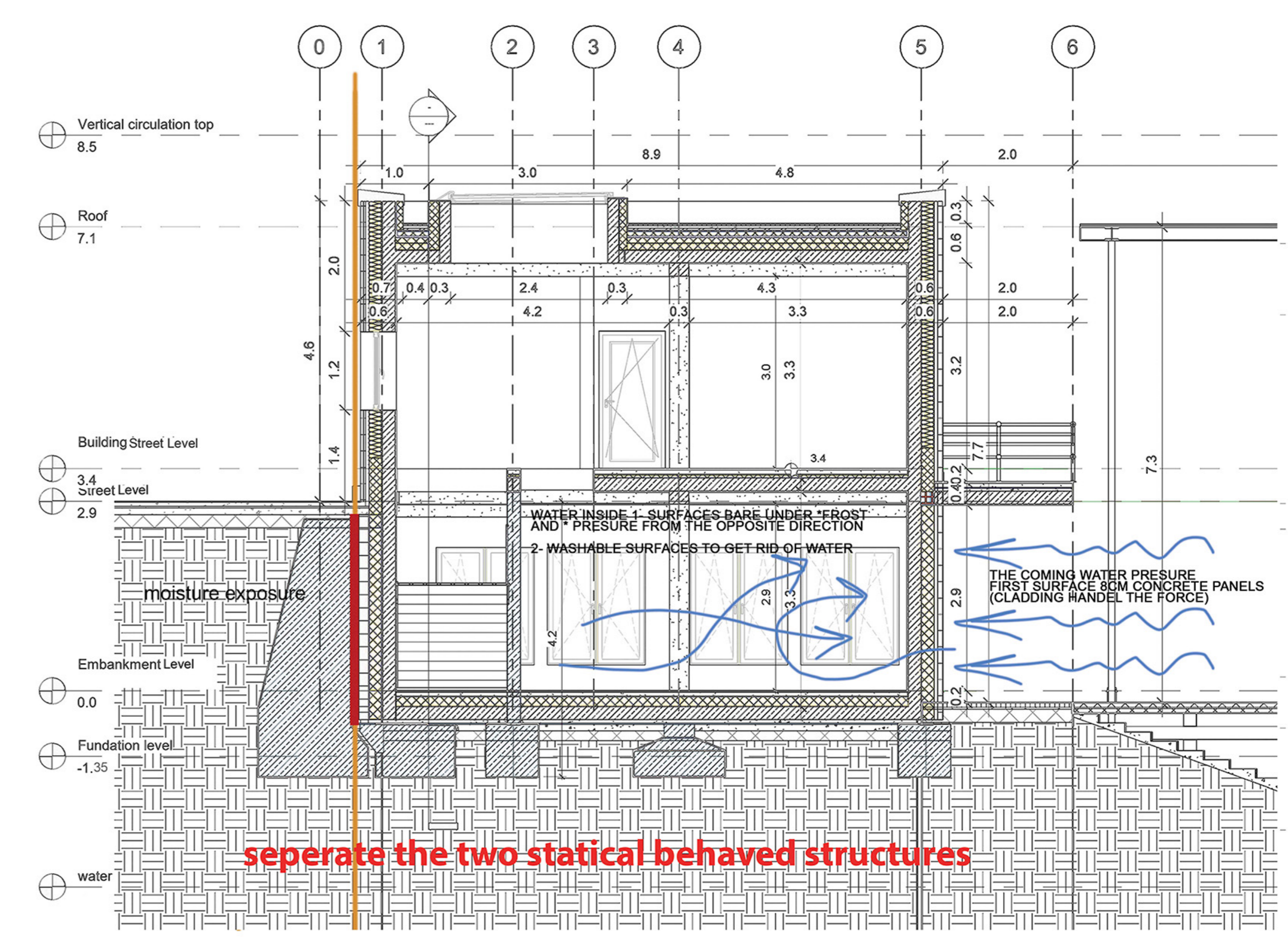
GROUND FLOOR PLAN 1:100



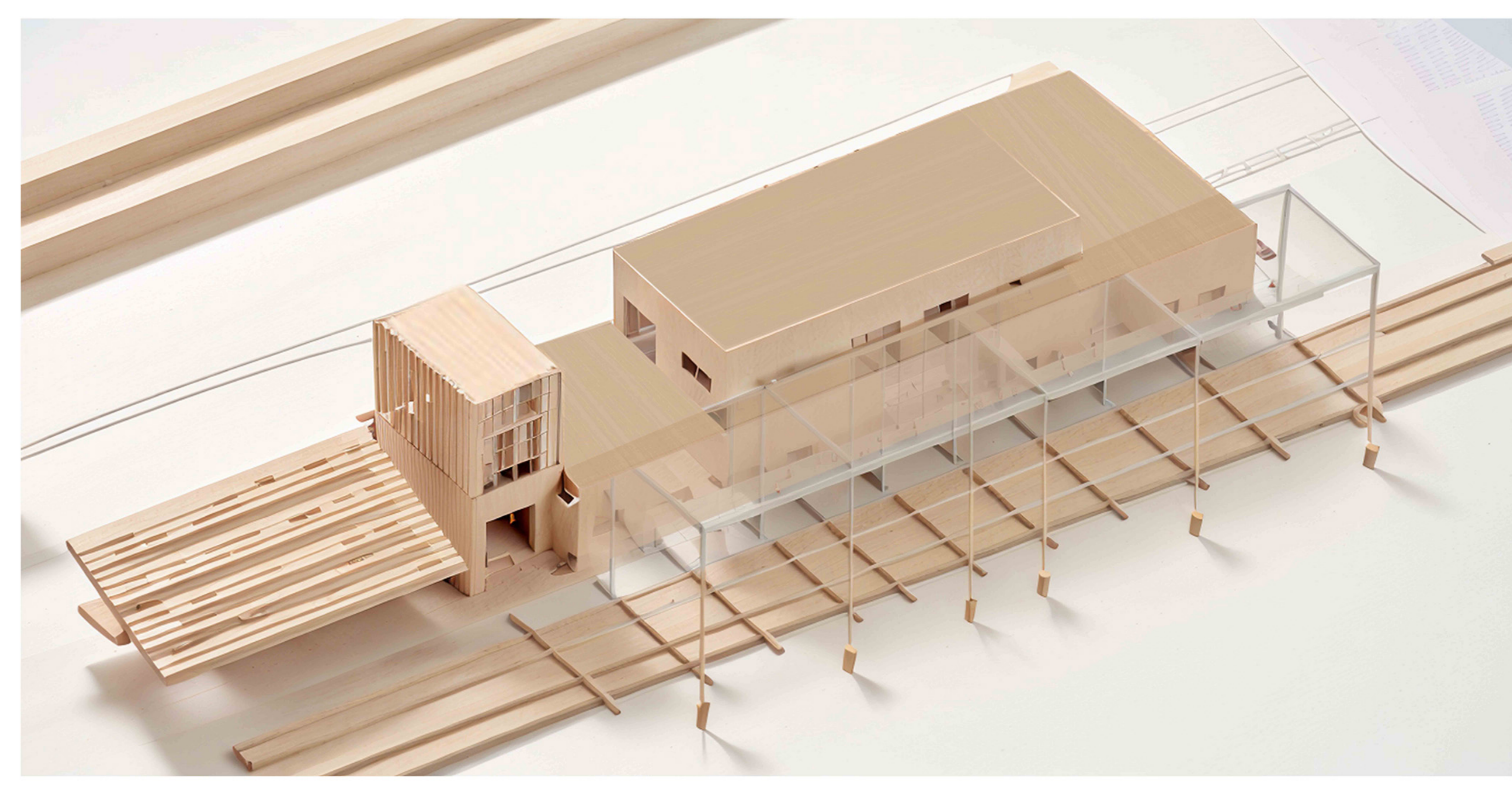
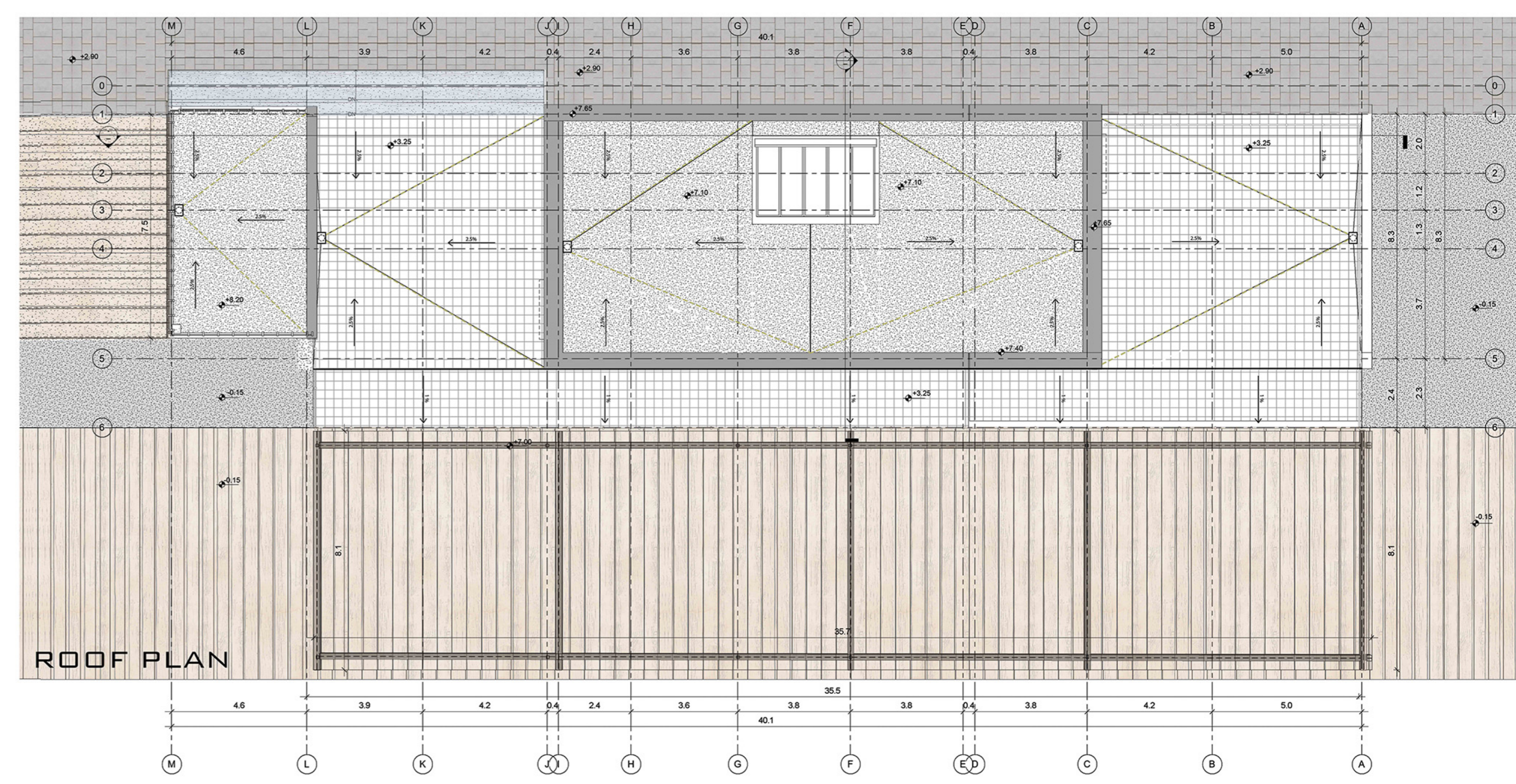
FIRST FLOOR PLAN 1:100

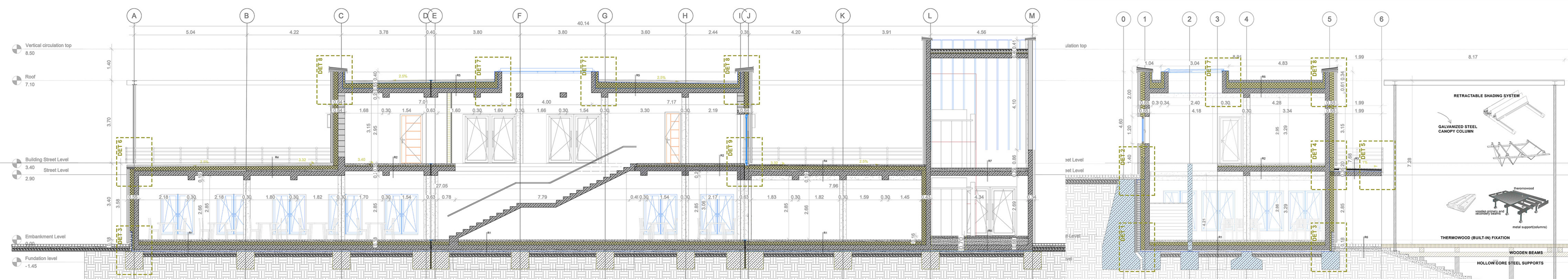


DETAILED MASS SCHEME

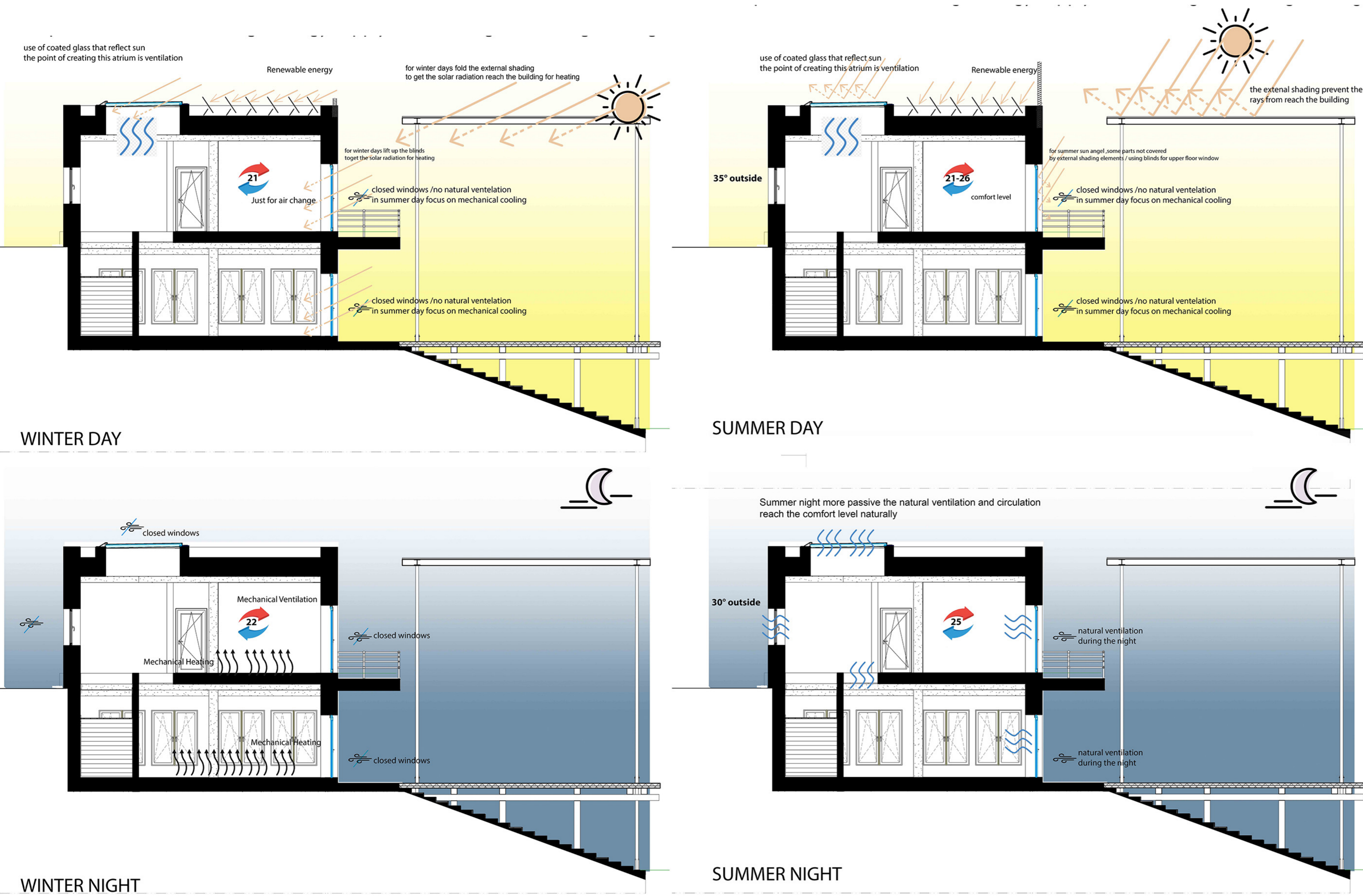


THE CONSIDERATION LETTER TO FLOOD PRESSURE ,MOISTURE ,STATISTICAL BEHAVIOUR AND ,FUNCTION TO NOT CAUSE LIFT UP FORCES OR KEEP WATER





BUILDING'S POWER SUPPLY AND BUILDING SERVICES SYSTEM



- Slabs layer order**
 Ground floor slab - R1
 3cm ceramic tiles
 6cm cement screed
 1layer PE foil
 15cm XPS
 20cm RC slab
 5cm protection layer
 concrete screed
 2 layers water proofing
 10cm concrete screed
 15 cm gravel
 soil
- Cantilever Terrace slab - R3**
 3cm ceramic tile
 6cm cement screed
 Liquid waterproofing
 4cm concrete (for inclination)
 20RC slab
- Terrace slab (heated) - R4**
 3cm non-slipping ceramic tiles
 3 cm flexible adhesive
 1 layer dimpled sheet with permanent filtration geotextile (drainage system) eg. Dörken: Delta-Teraxx
 1 yr / 1,5 mm PVC waterproofing, in 8 cm overlapping 3 cm hot air welding
 18cm / PIR foam - thermal isolation
 Inclination concrete layer
 1 yr 3 mm / self-adhesive modified bituminous sheet vapour barrier
 20cm / RC Slab
- Last roof / no traffic - R5**
 7cm stone - pebbles
 1layer synthetic filter layer
 1layer PVC waterproofing
 1layer polyester separation
- 28cm EPS foam (with inclination)**
 1Layer waterproofing (bituminous sheet)
 20cm RC slab
- Sidewalk - R6**
 6 cm granite stone paving
 10 cm Ø 8-15 mm stone chipping and drainage layer
 -20 cm Open-graded base reserver soil
- Vertical circulation middle slab -R7**
 1Layer waterproofing (bituminous sheet)
 20cm RC slab
- Vertical circulation middle slab -R7**
 3cm ceramic tile
 6cm cement screed
 20cm RC slab
- Vertical circulation middle slab -R7**
 3cm ceramic tile
 6cm cement screed
 20cm RC slab

