

POLITECNICO DI MILANO



Laurea Magistrale (MSc)
in
Building and Architectural Engineering

CONSERVATION OF THE COURTHOUSE OF MILAN

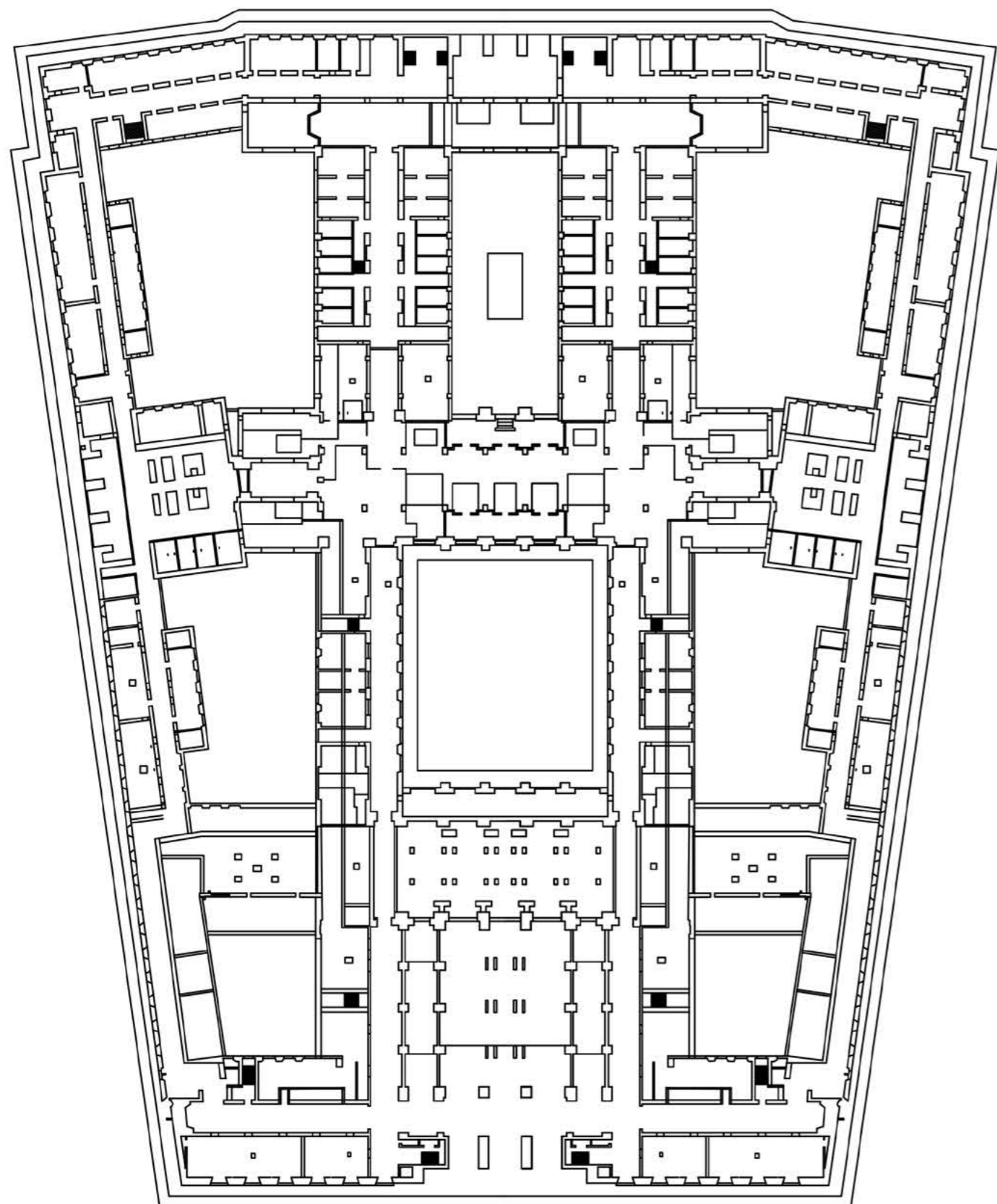
Supervisor: PROF. ARCH. Elisabetta ROSINA

Thesis by :

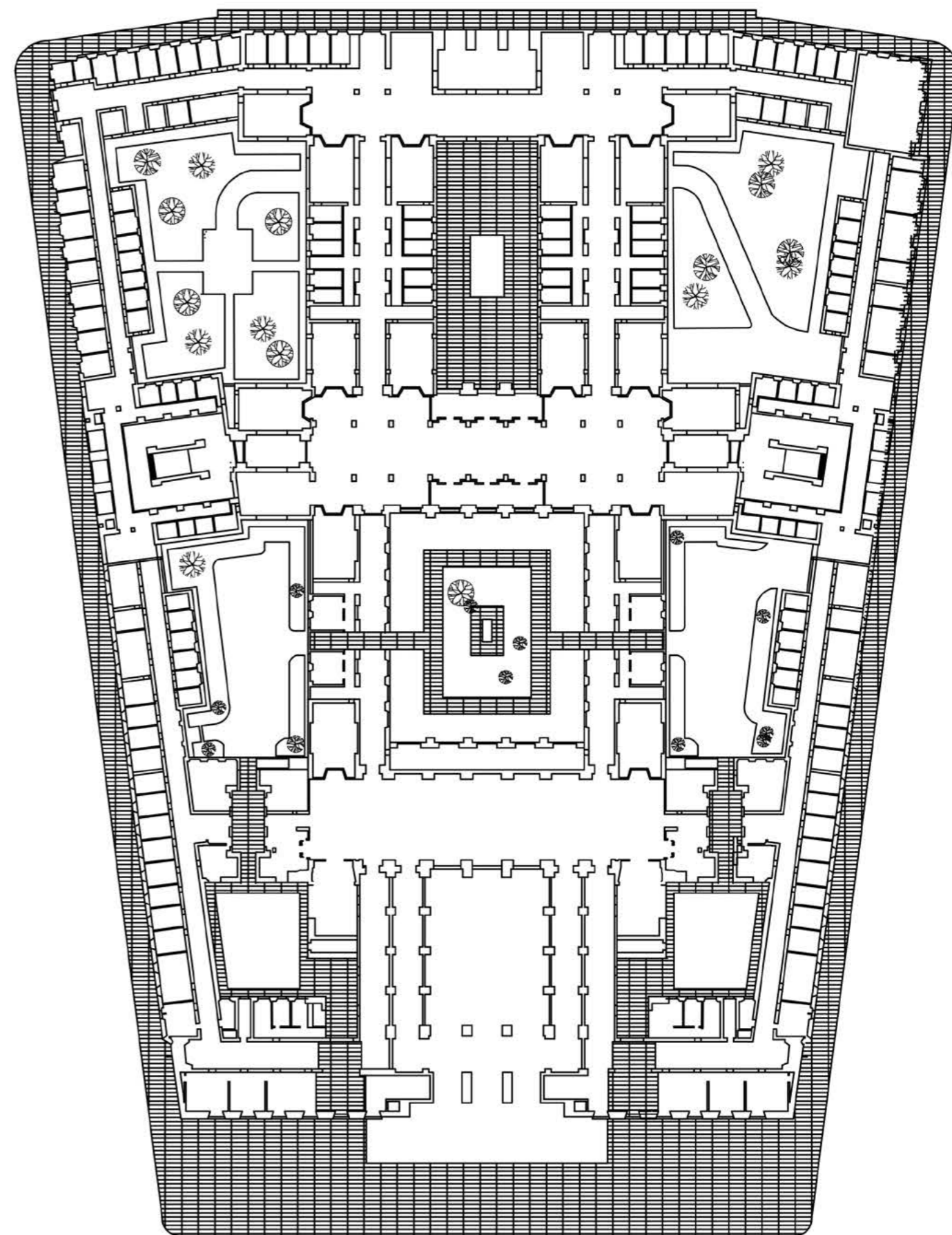
Baris Demirel - 840553

Liu Yuheng - 840629

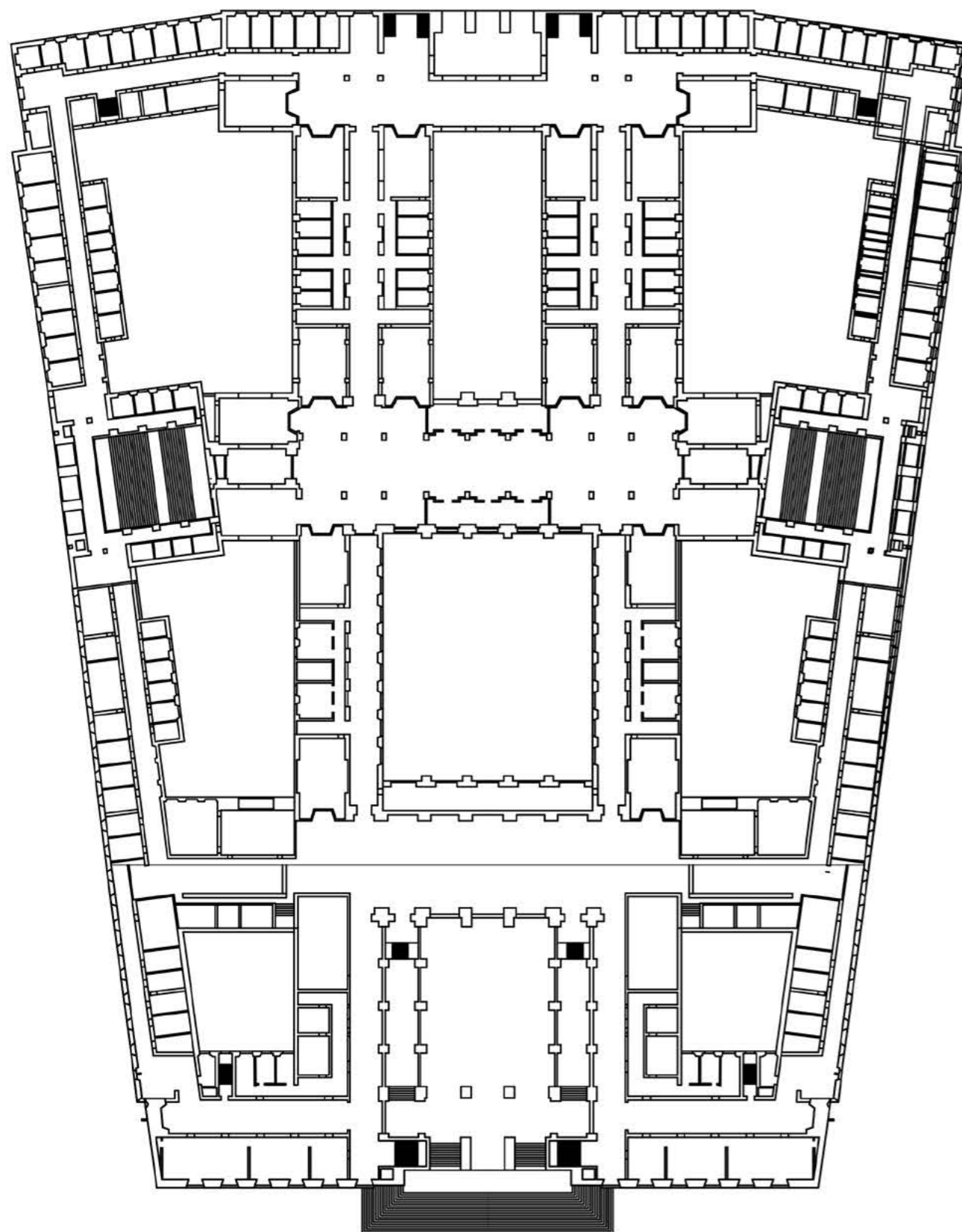
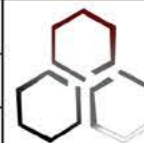
Lu Shan - 832833



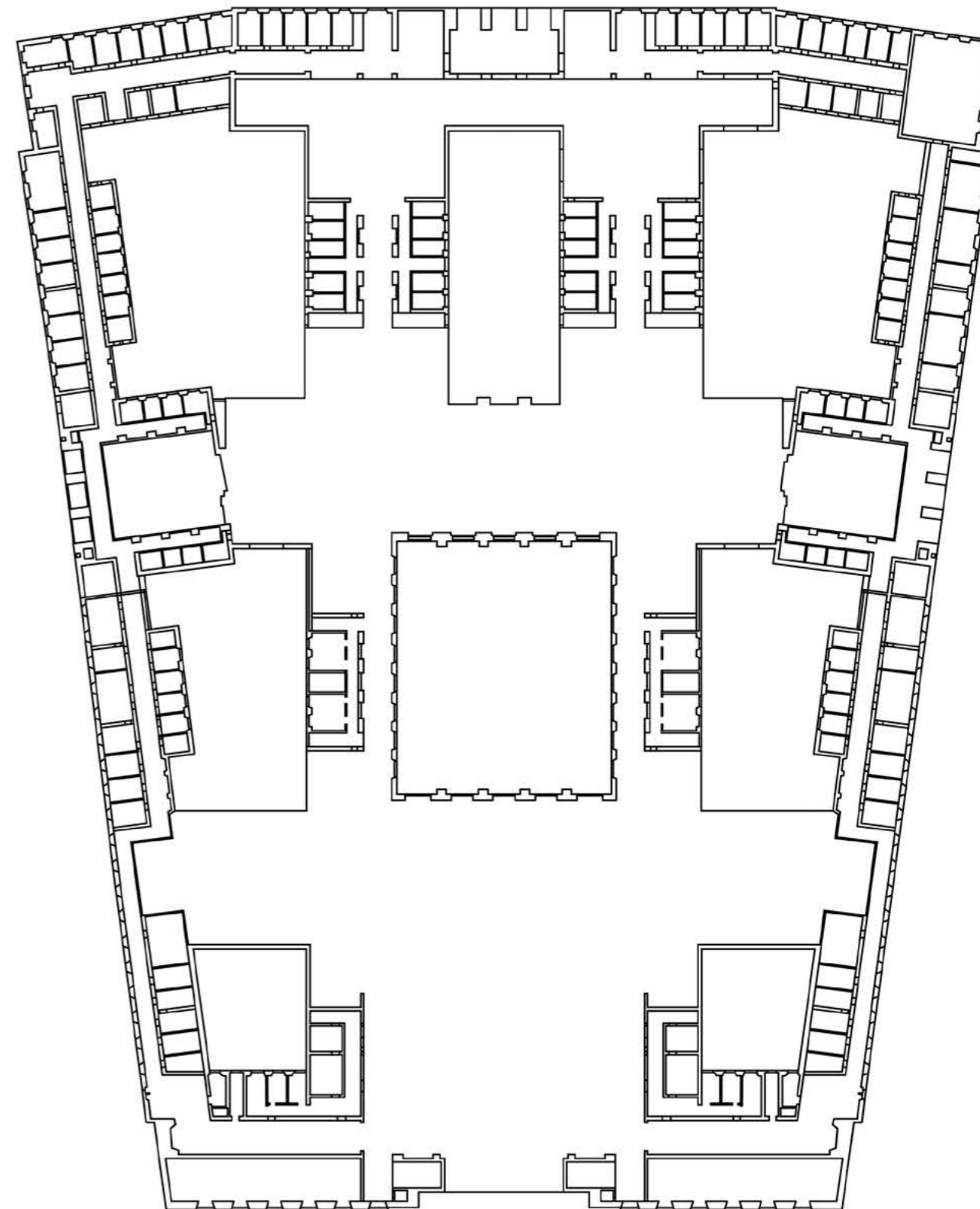
Basement Floor Plan, 4 m below the road level
Scale 1:1000



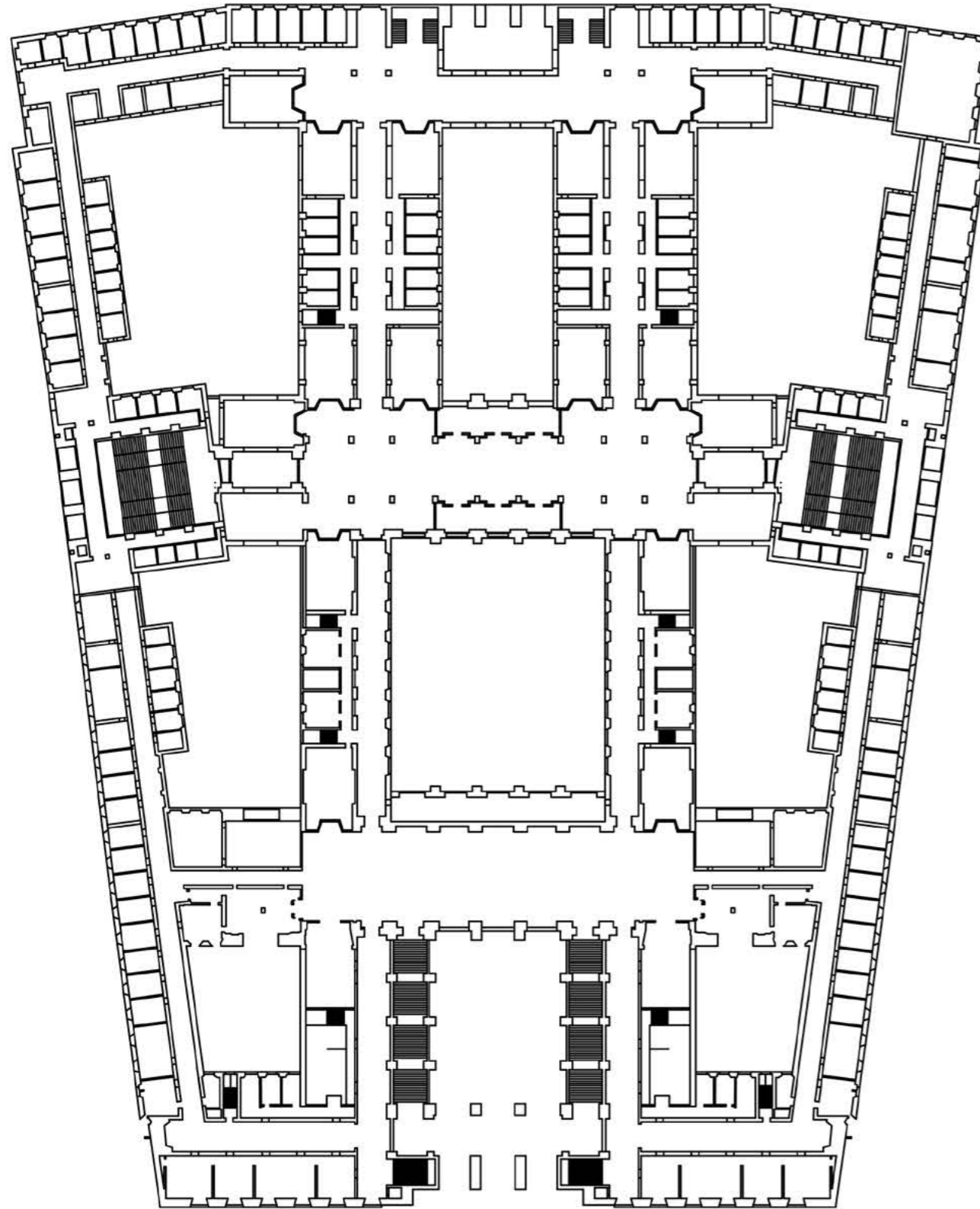
Ground Floor Plan, 50 cm above the road level
Scale 1:1000



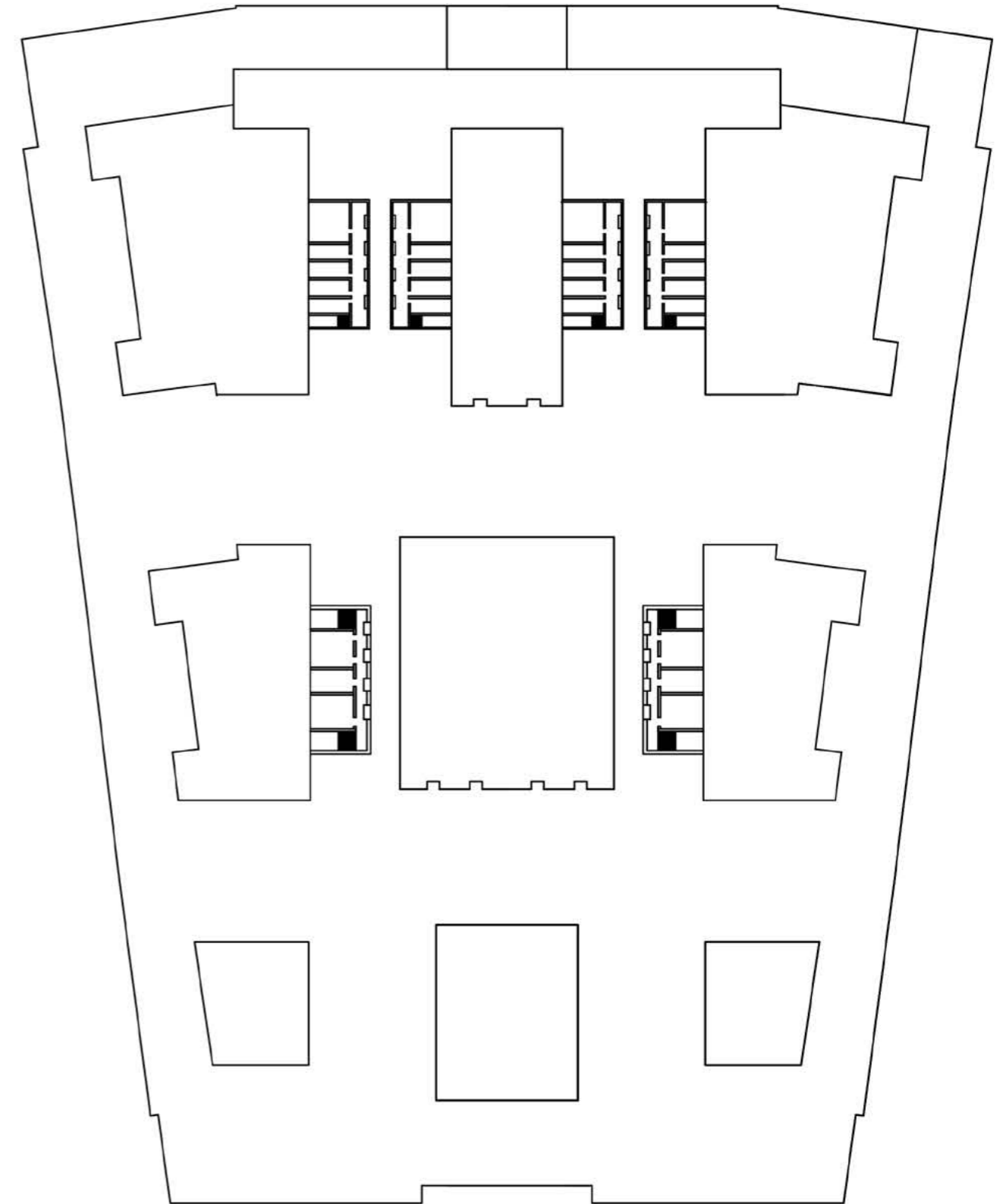
Raised Floor Plan, 5.50 m above the road level
Scale 1:1000



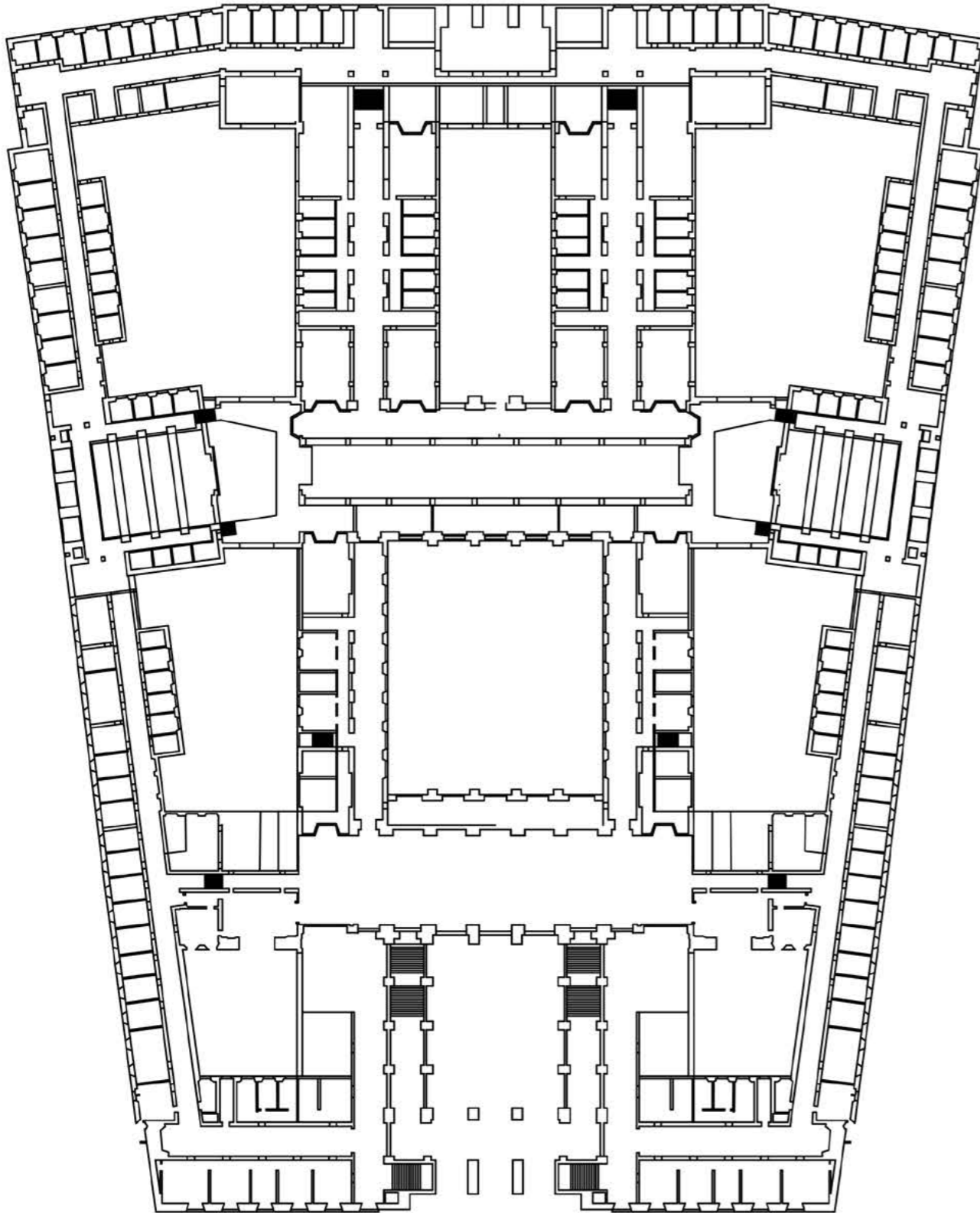
First Floor Mezzanine Plan, extending only partially on the surface of the raised floor.
Scale 1:1000



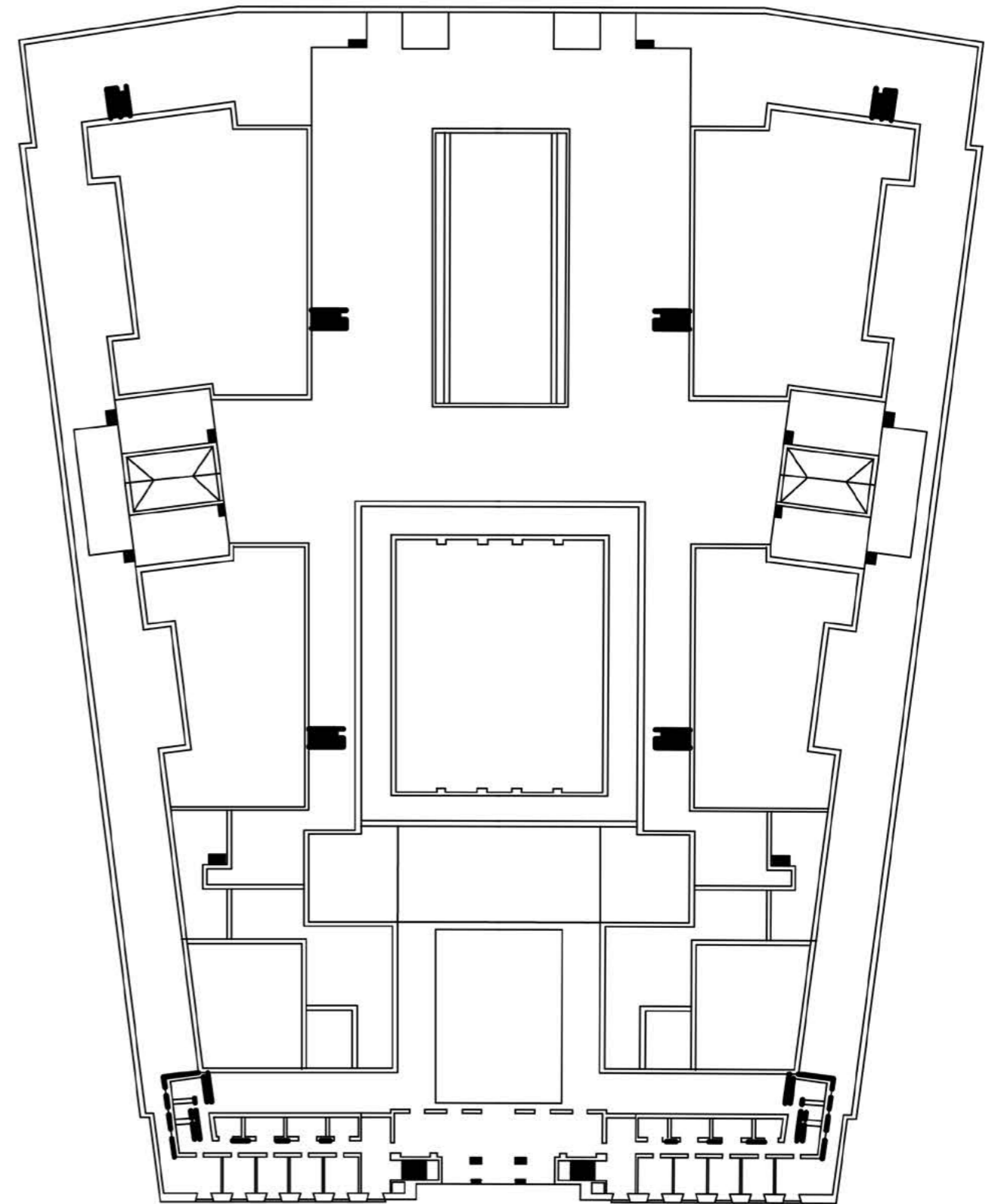
Noble First Floor Plan, 14.10 m above sea level
Scale 1:1000



Second Floor Mezzanine Plan, limited to a few premises extending to a limited portion of the noble first floor.
Scale 1:1000



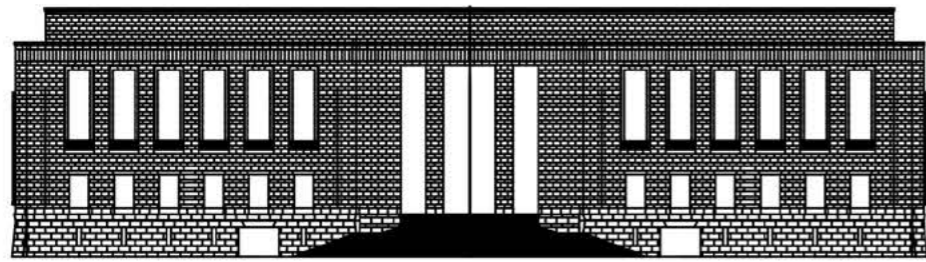
Top Floor Plan
Scale 1:1000



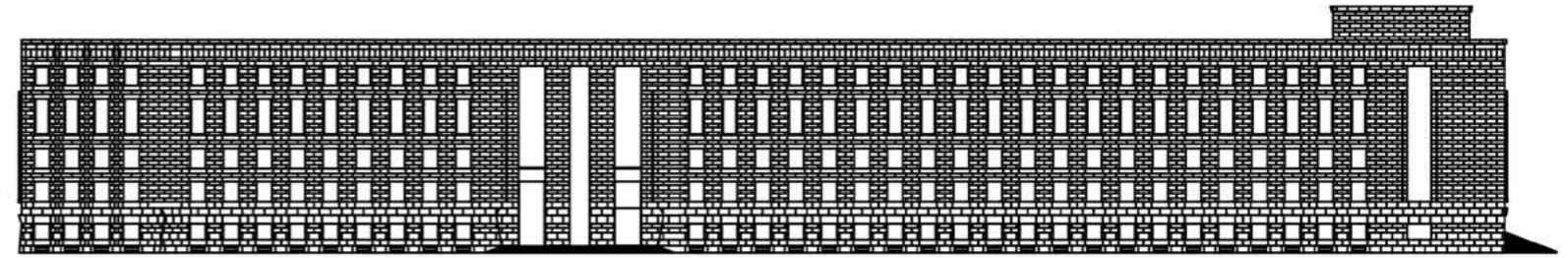
Additional Level Plan, showing the new offices
Scale 1:1000



ELEVATIONS AND SECTIONS



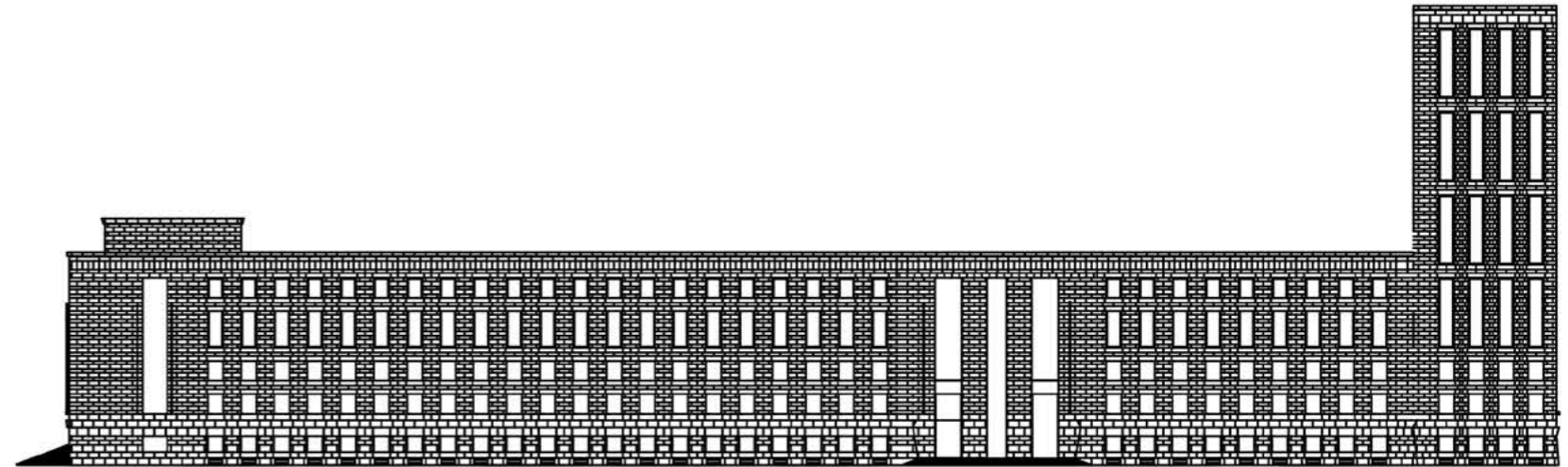
North Elevation
Scale 1:1000



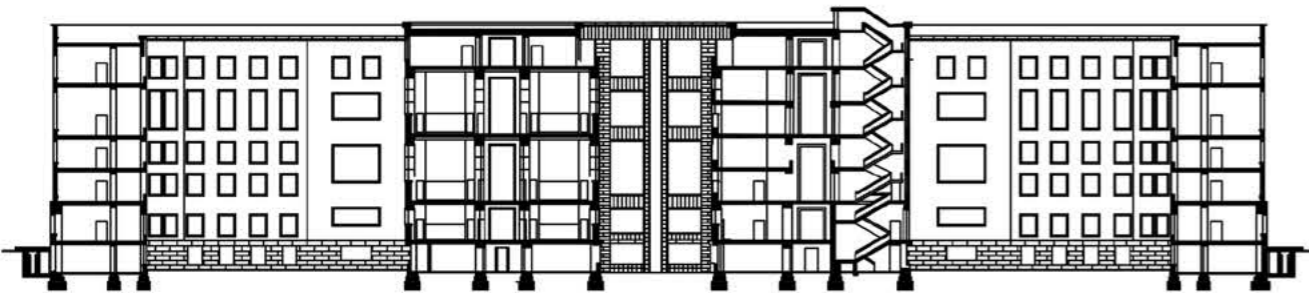
East Elevation
Scale 1:1000



South Elevation
Scale 1:1000



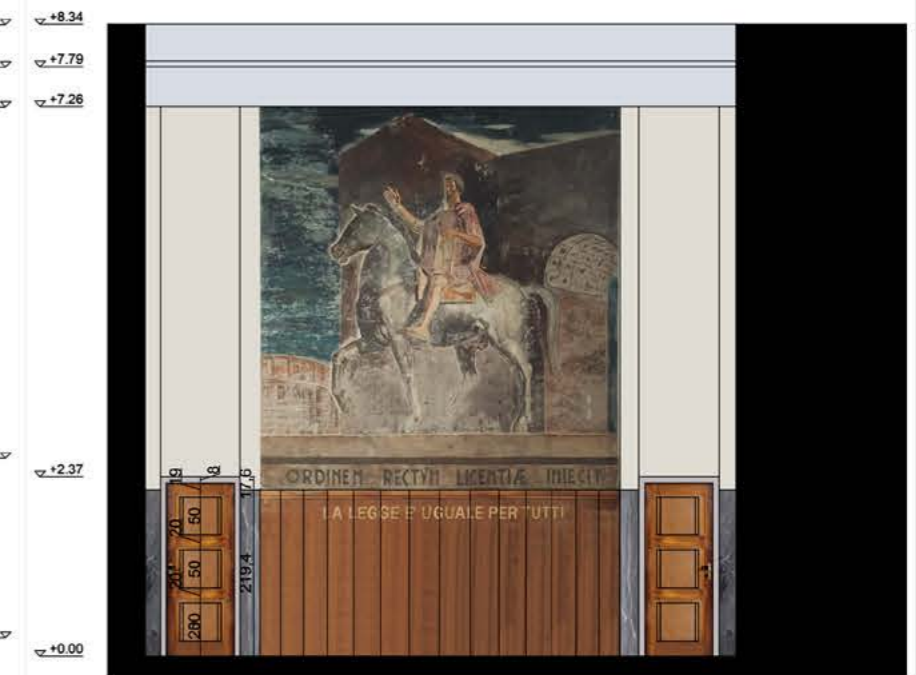
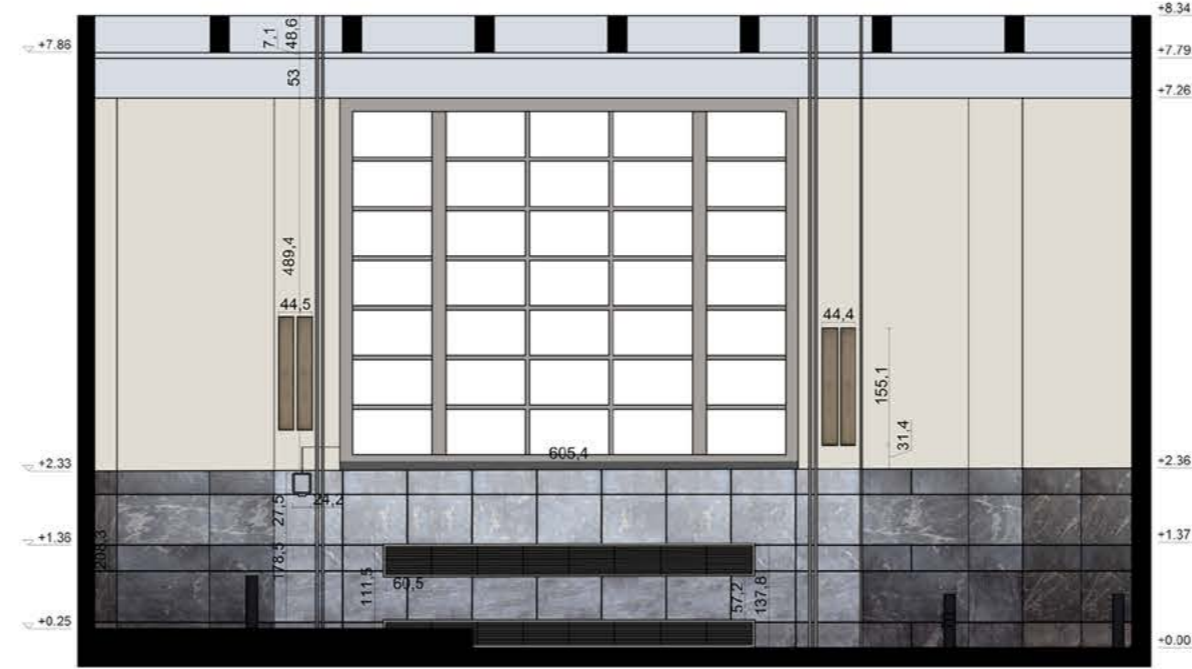
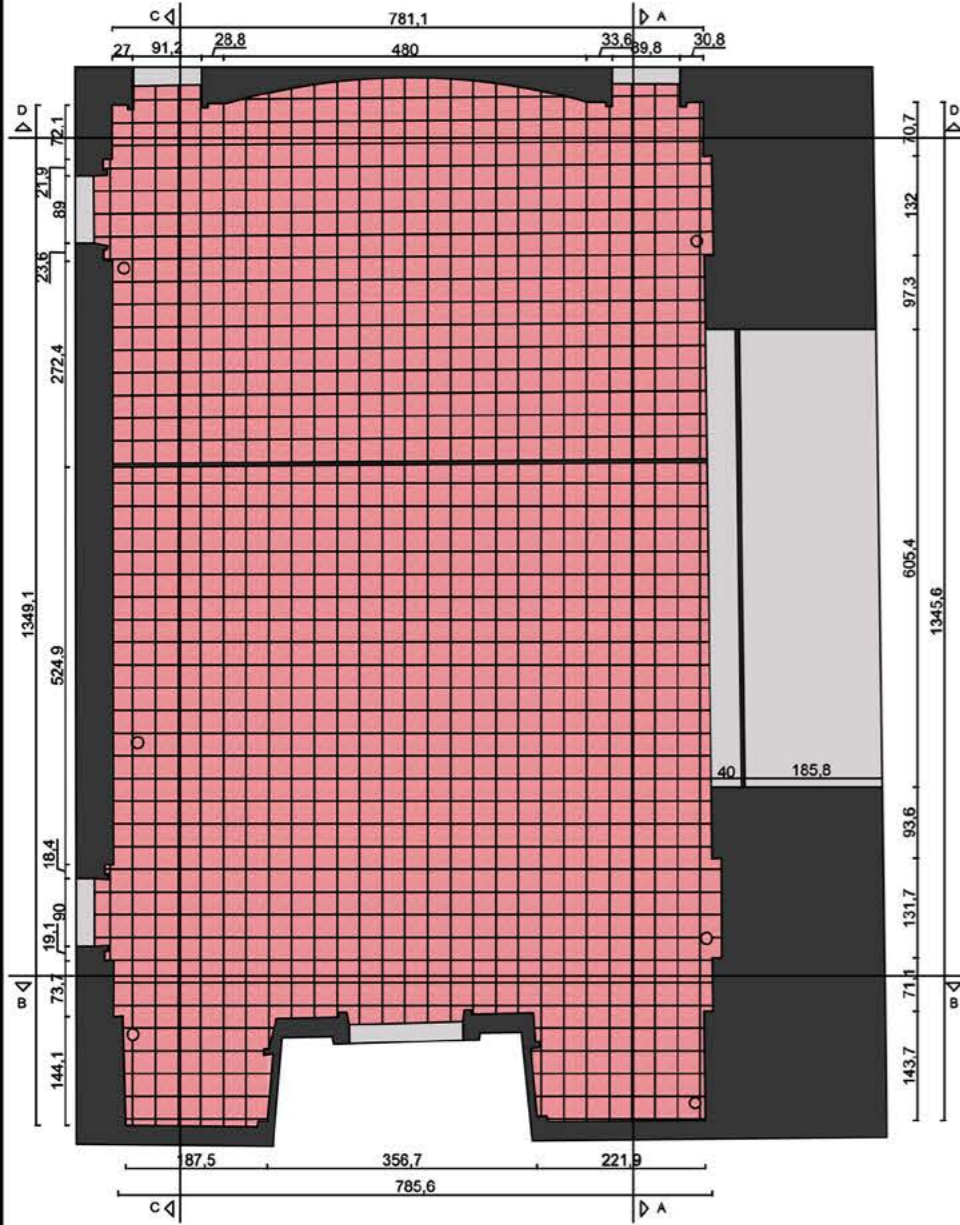
West Elevation
Scale 1:1000



Transversal Section
Scale 1:1000



Longitudinal Section
Scale 1:1000

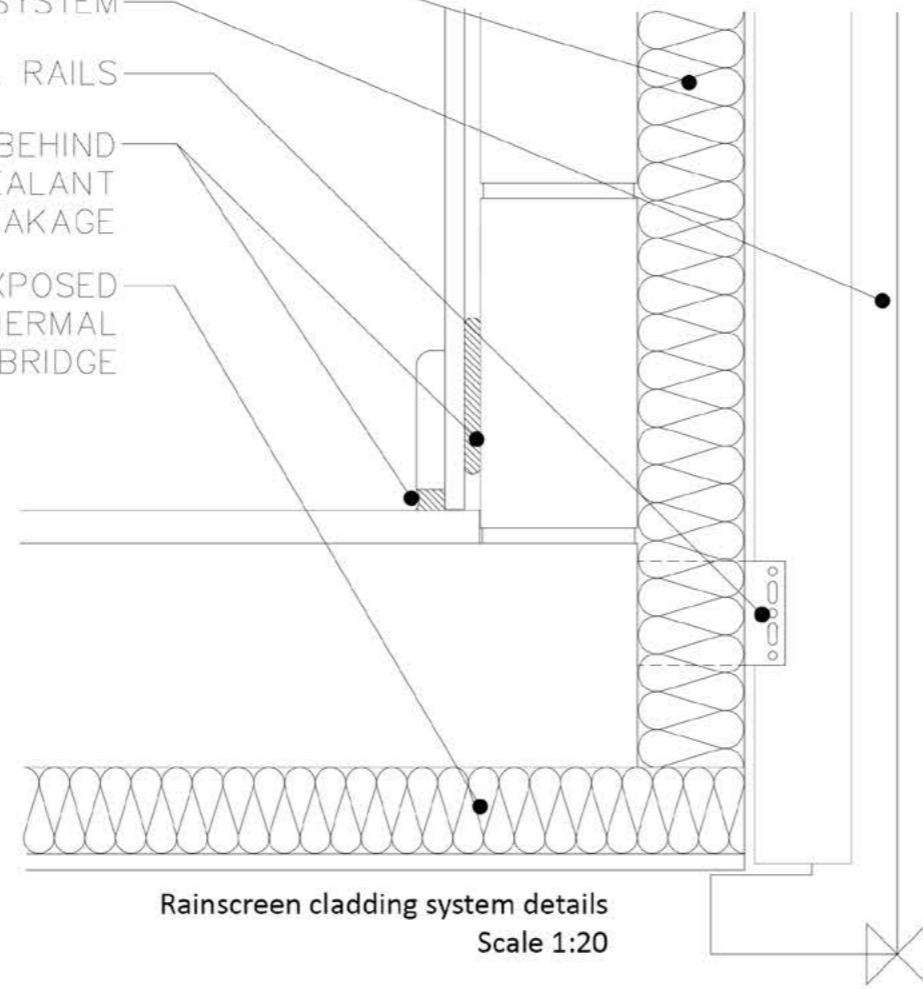


Section CC Scale 1:100

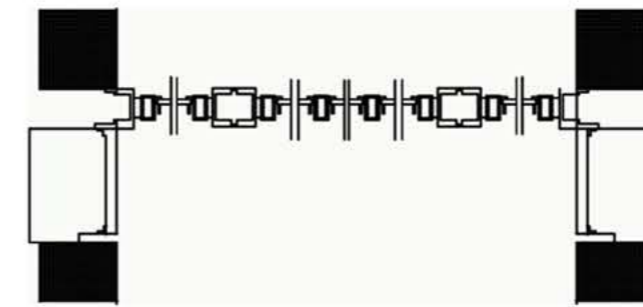
Section DD Scale 1:100



EARTHWOOL RAINSCREEN SLAB
 PROPRIETARY RAINSCREEN CLADDING SYSTEM
 SUPPORT BRACKETS FOR VERTICAL RAILS
 CONTINUOUS RIBBON OF ADHESIVE BEHIND PLASTERBOARD AND FLEXIBLE SEALANT BELOW SKIRTING TO MINIMISE AIR LEAKAGE
 CONTINUITY BETWEEN WALL AND FLOOR INSULATION TO AVOID THERMAL BRIDGE

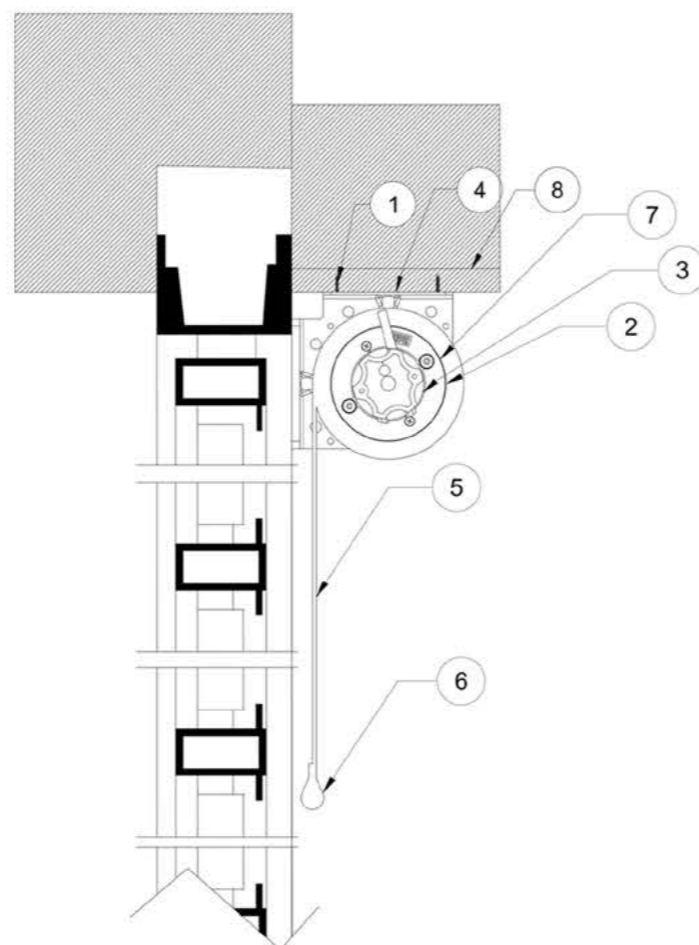


Rainscreen cladding system details
Scale 1:20

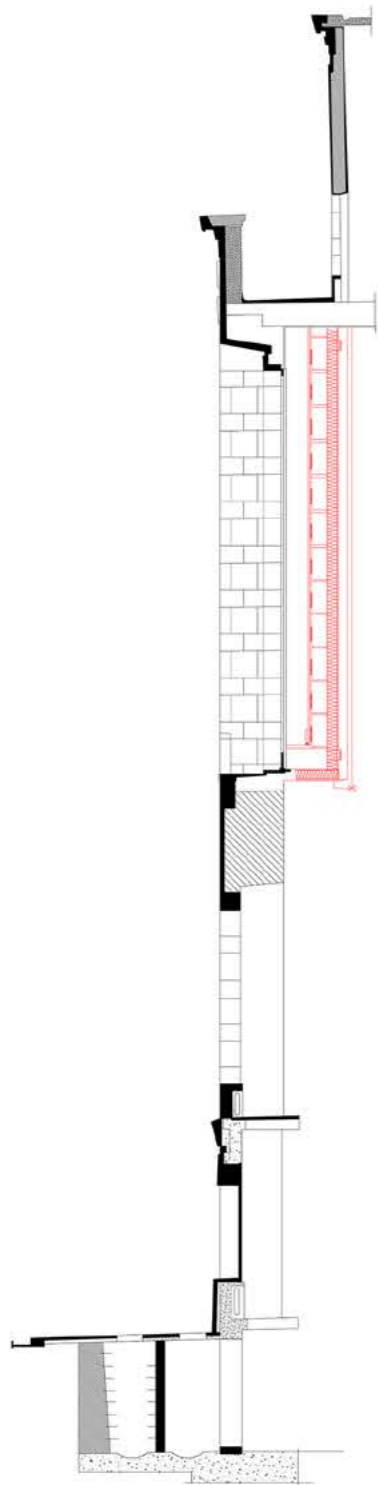


Window plan
Scale 1:100

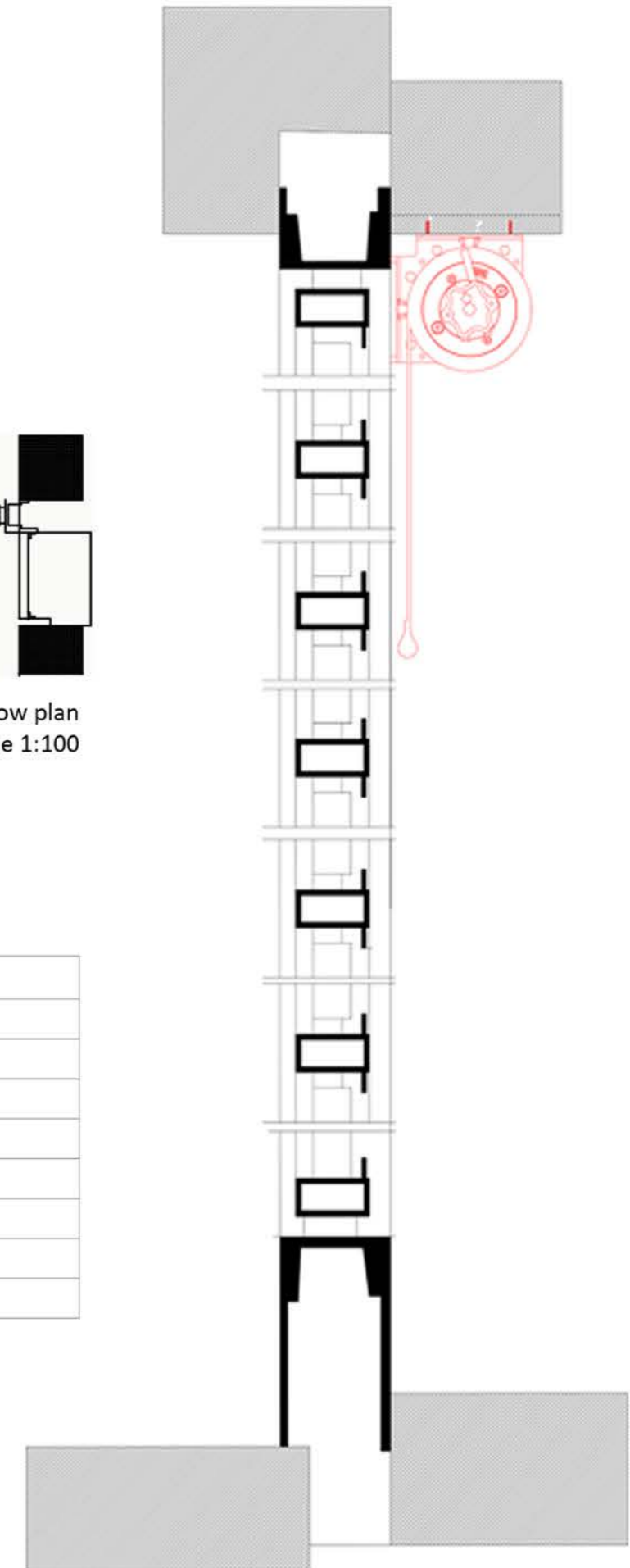
ITEM	DESCRIPTION
1	Fasteners By Others
2	Tube, Roller
3	115 VAC Motor
4	Bracket, Mounting
5	Shade Fabric
6	Hem Pocket
7	Adaptor Assembly, 4" OD Tube Motor
8	Blocking By Others Level and Plumb



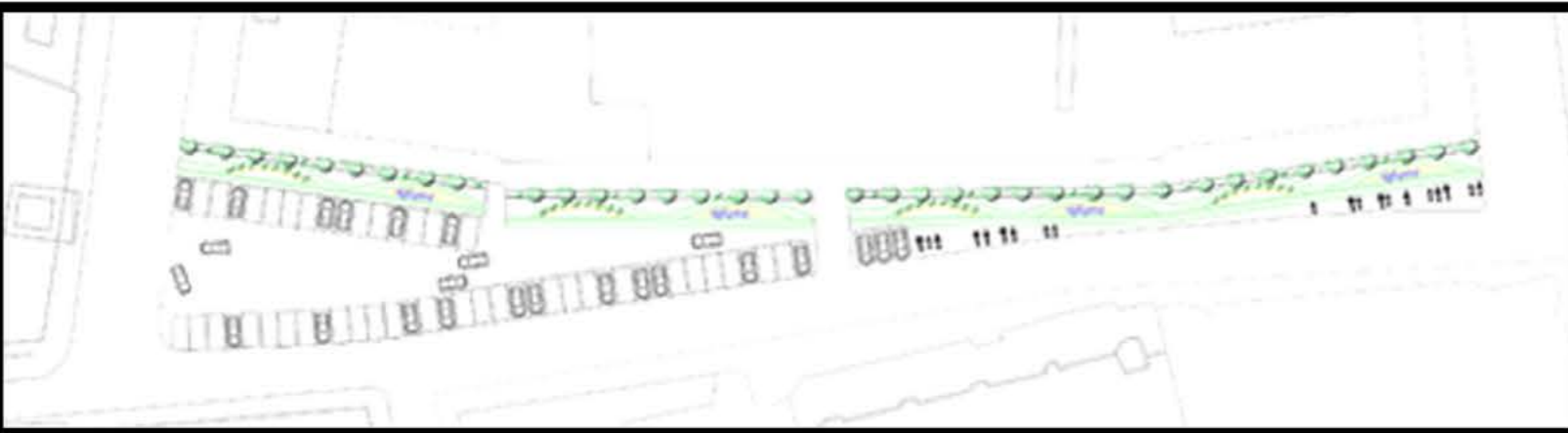
Window details
Scale 1:25



Wall section with rainscreen cladding system
Scale 1:200



Window section
Scale 1:25



New Parking in Courthouse of Milan
Scale 1:1000



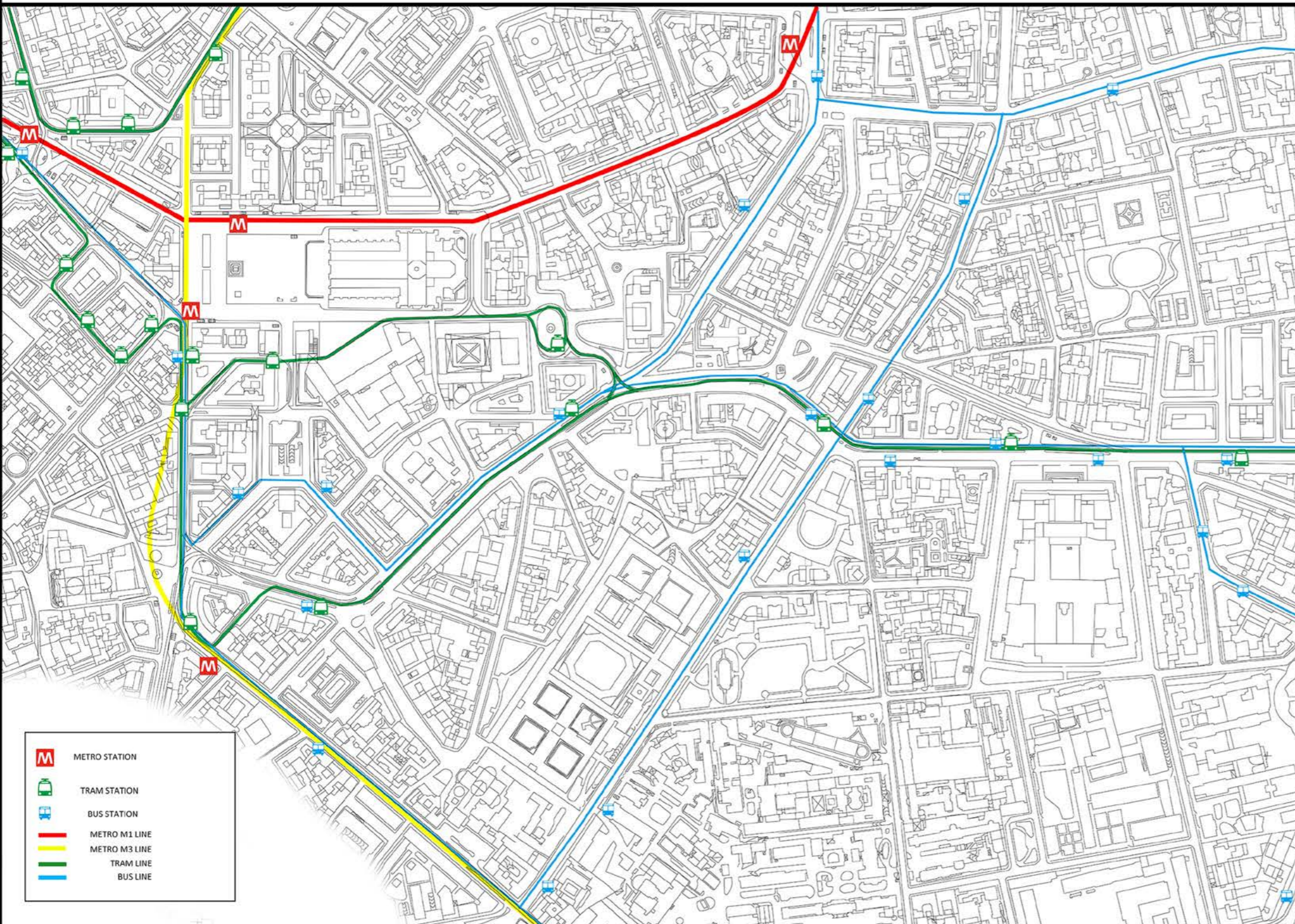
Information Board in Duomo



Information Board in Teatro alla Scala



Information Board in Castello Sforzesco



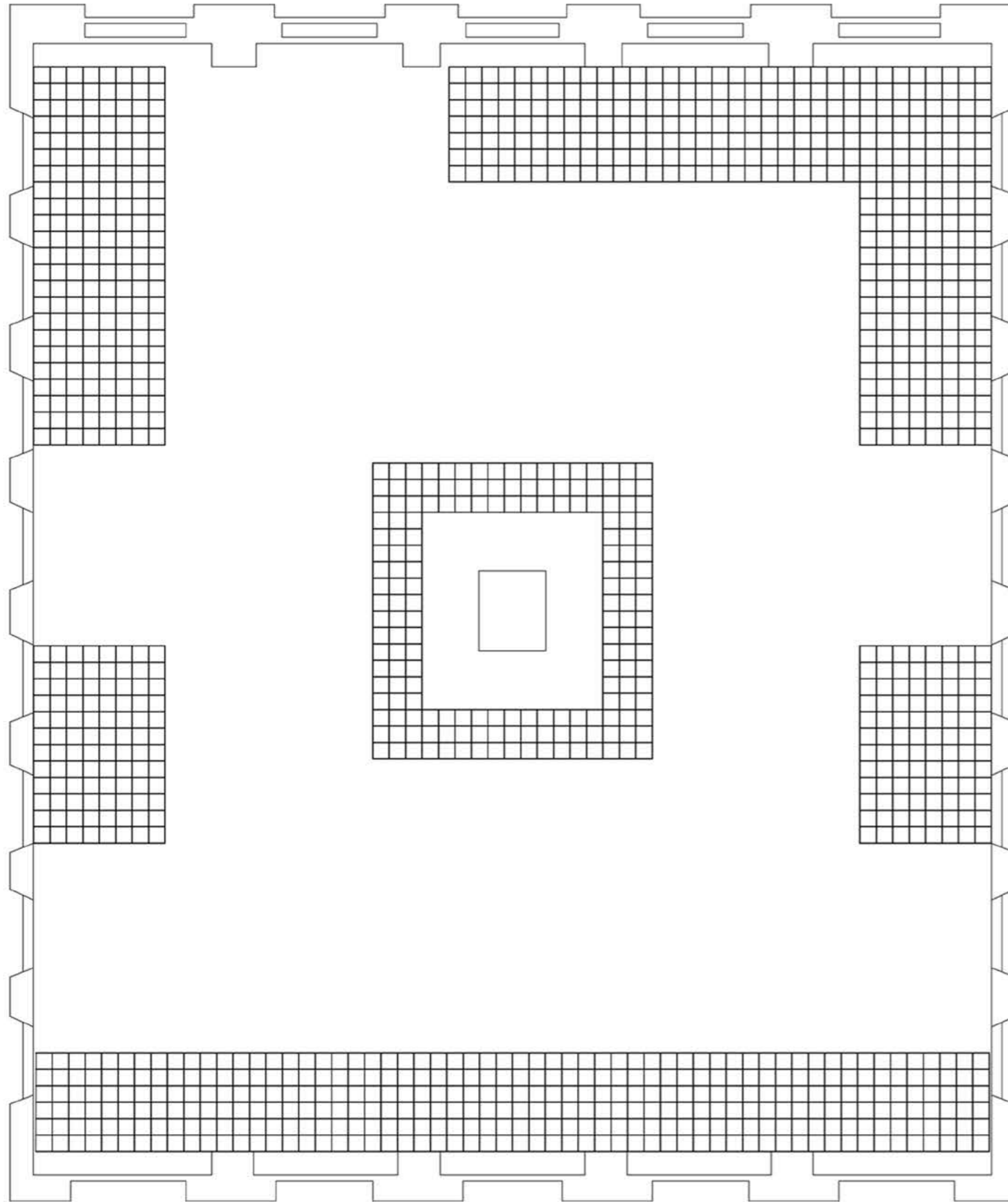
-  METRO STATION
-  TRAM STATION
-  BUS STATION
-  METRO M1 LINE
-  METRO M3 LINE
-  TRAM LINE
-  BUS LINE



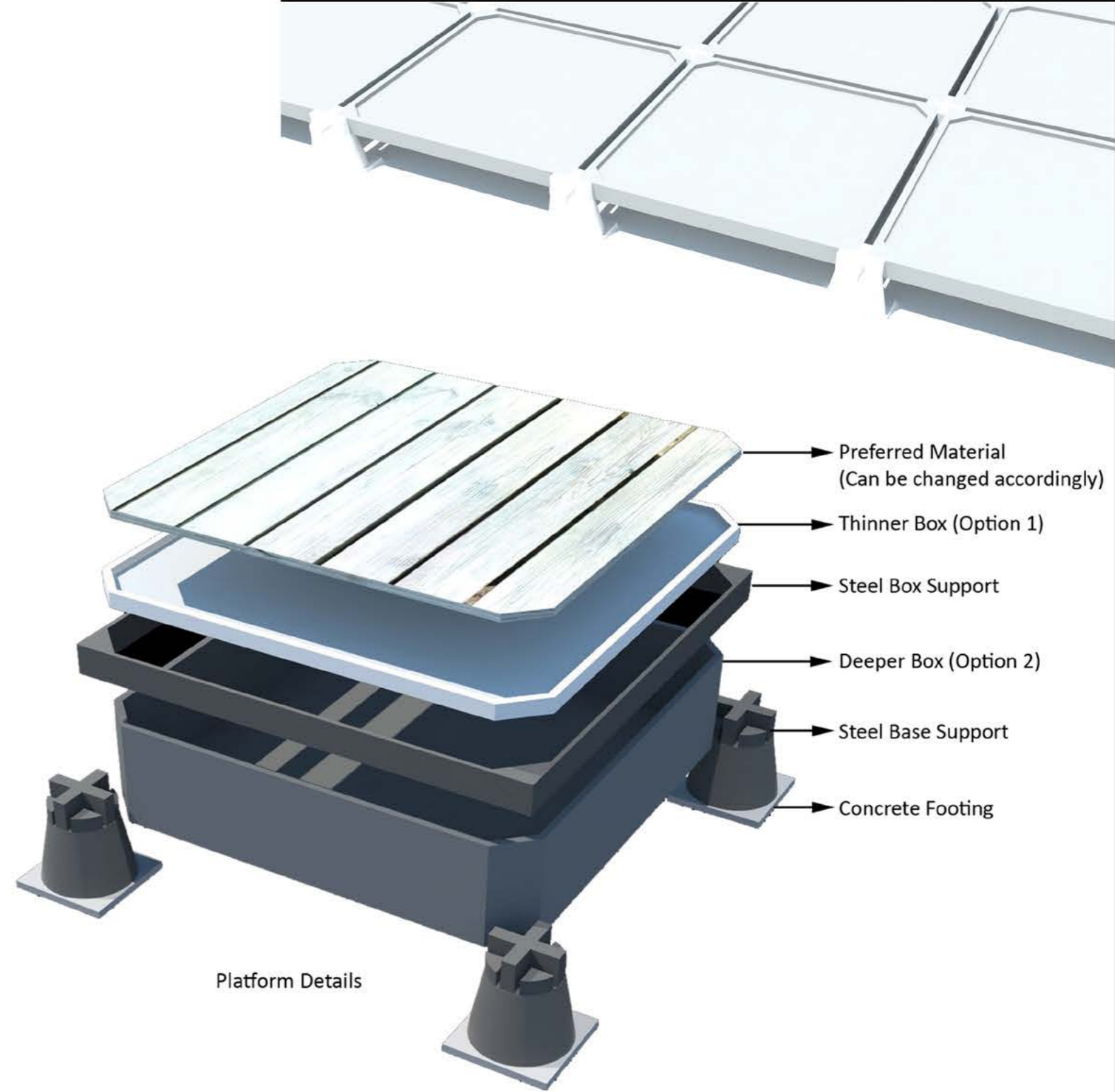
STEFANINI ROOM INTERVENTIONS

LAUREA MAGISTRALE (MSc) IN BUILDING AND ARCHITECTURAL ENGINEERING
SUPERVISOR: PROF. ARCH. ELISABETTA ROSINA

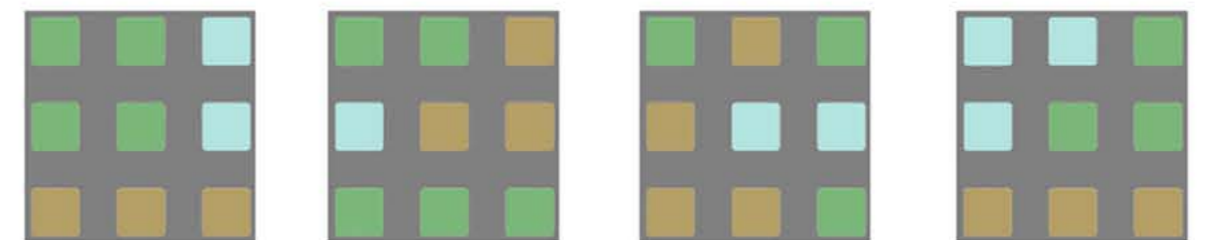
BARIS DEMIREL
LIU YUHENG
LU SHAN



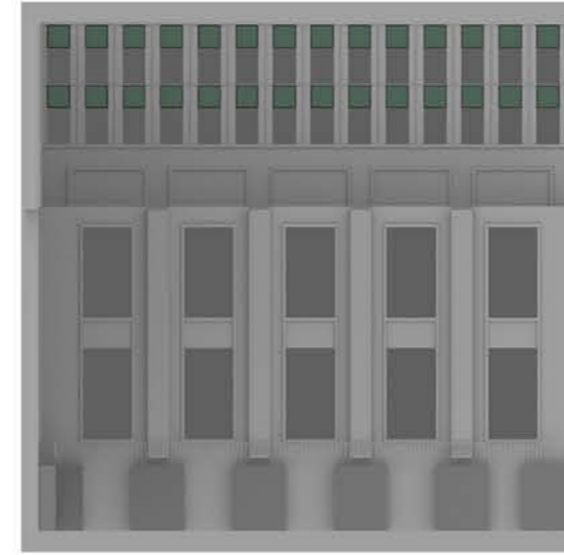
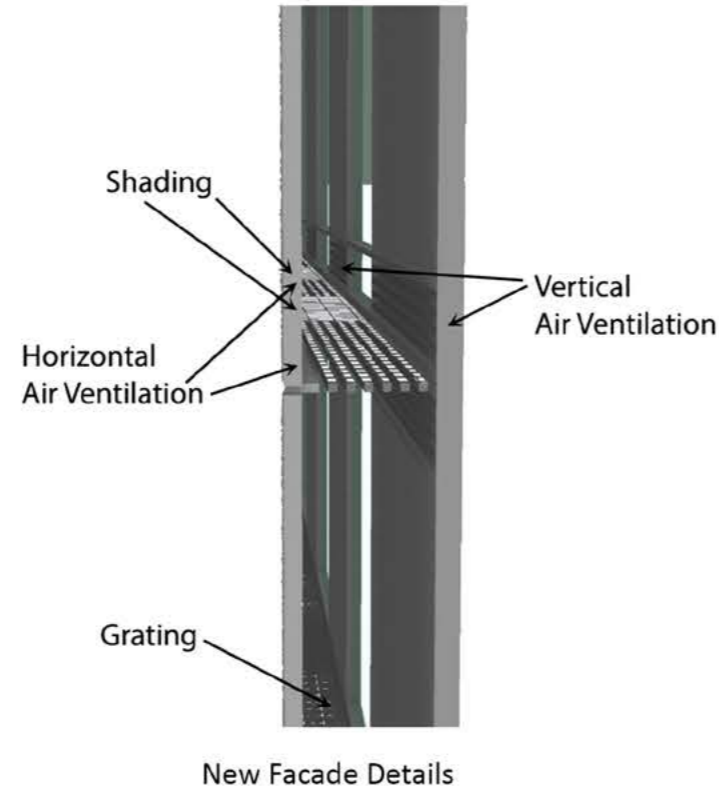
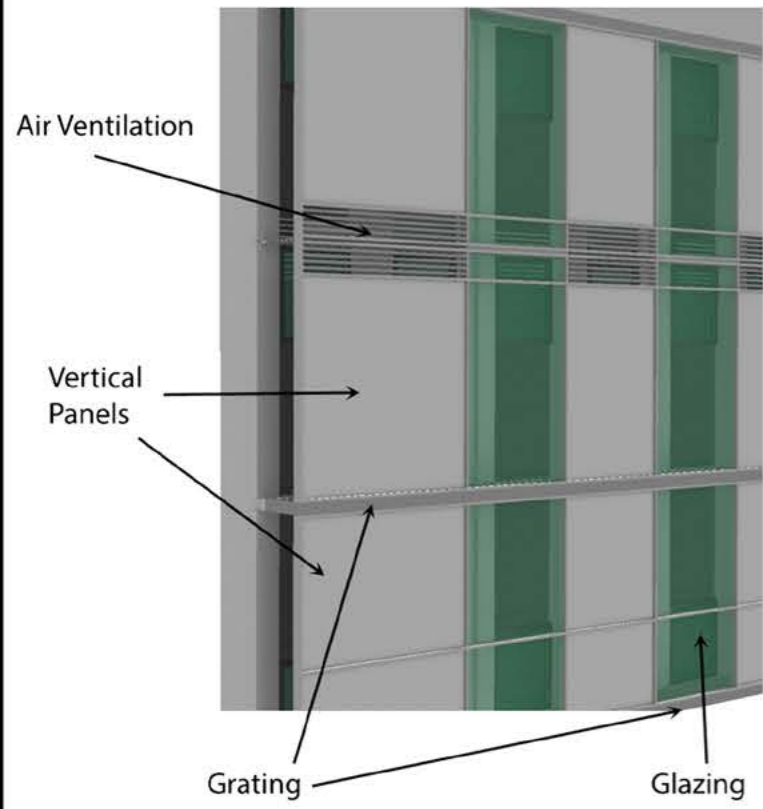
Courtyard Plan with Platforms
Scale 1:200



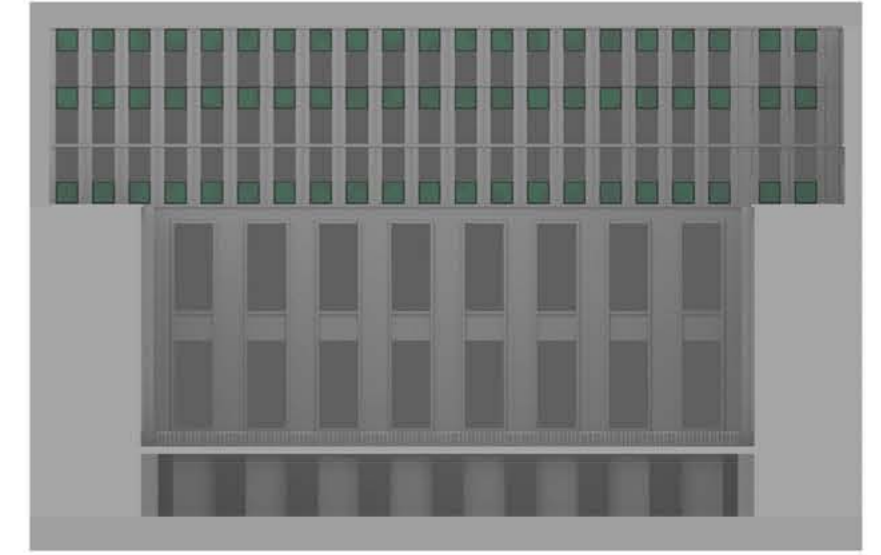
Platform Details



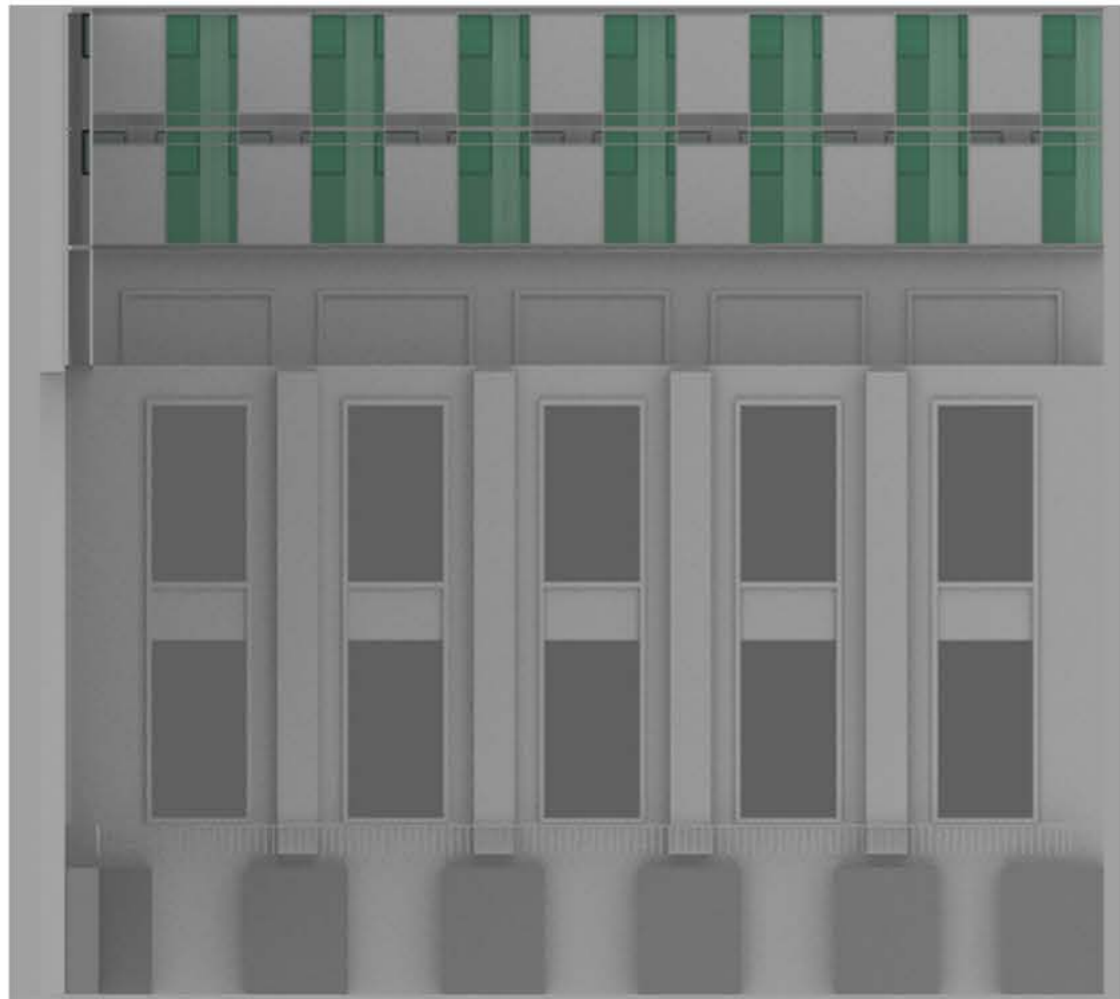
Alternative Platform Arrangements



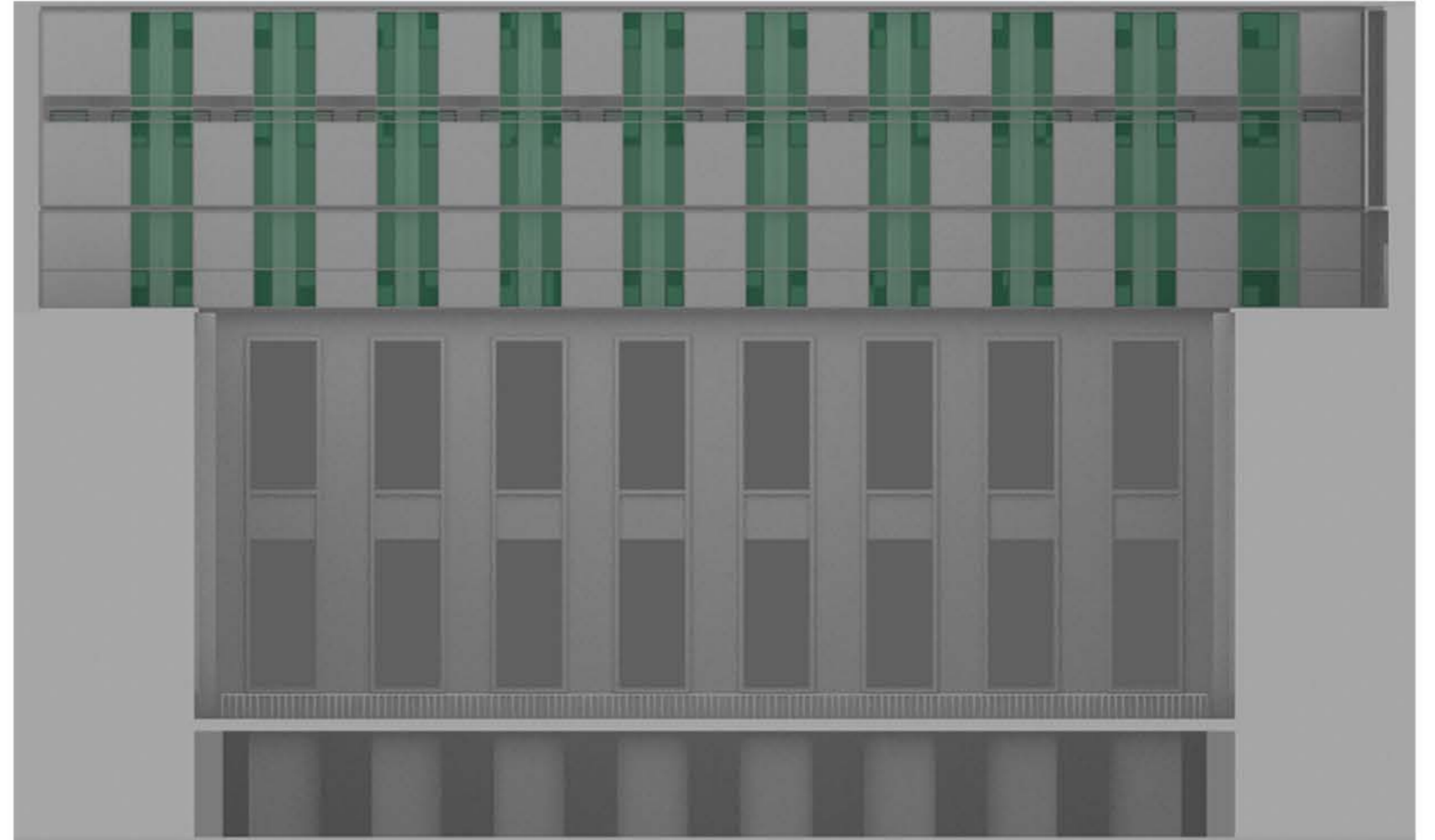
Old South Facade
Scale 1:500



Old West/East Facade
Scale 1:500



New South Facade
Scale 1:250



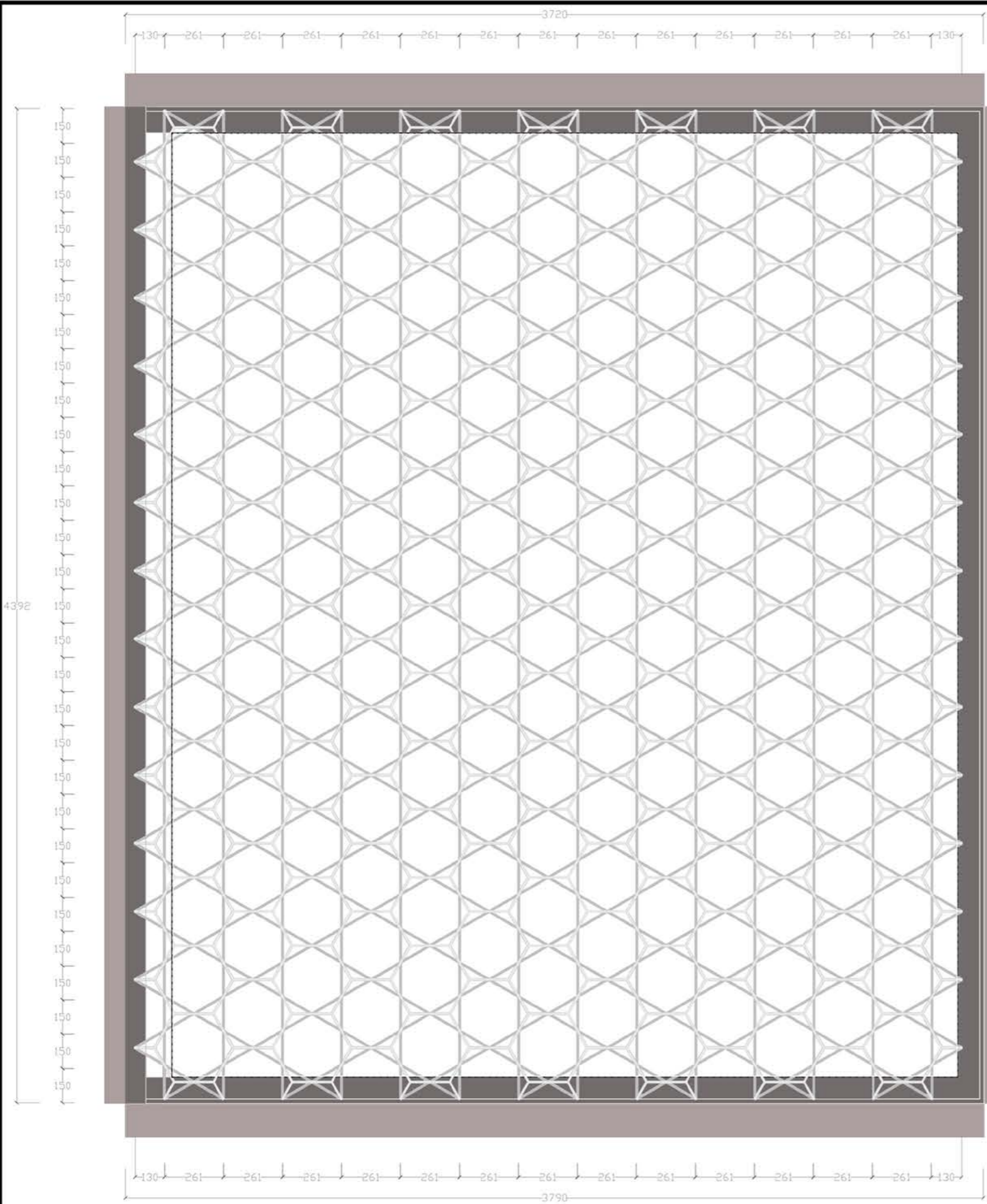
New West/East Facade
Scale 1:250



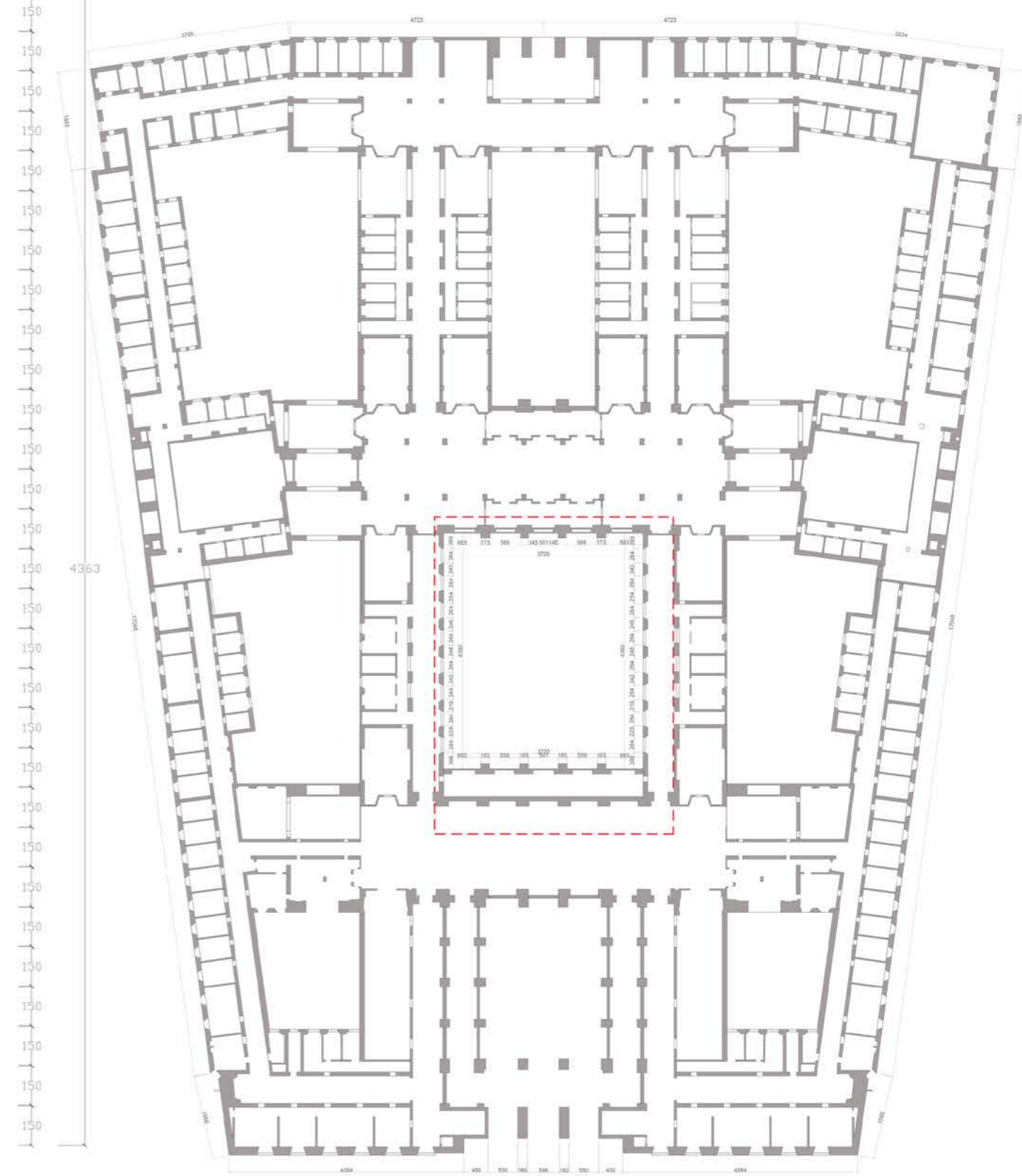
COURTYARD ROOF DETAILS

LAUREA MAGISTRALE (MSc) IN BUILDING AND ARCHITECTURAL ENGINEERING
SUPERVISOR: PROF. ARCH. ELISABETTA ROSINA

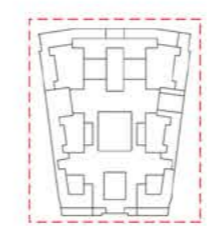
BARIS DEMIREL
LIU YUHENG
LU SHAN



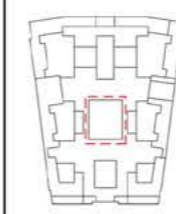
Scale 1:200



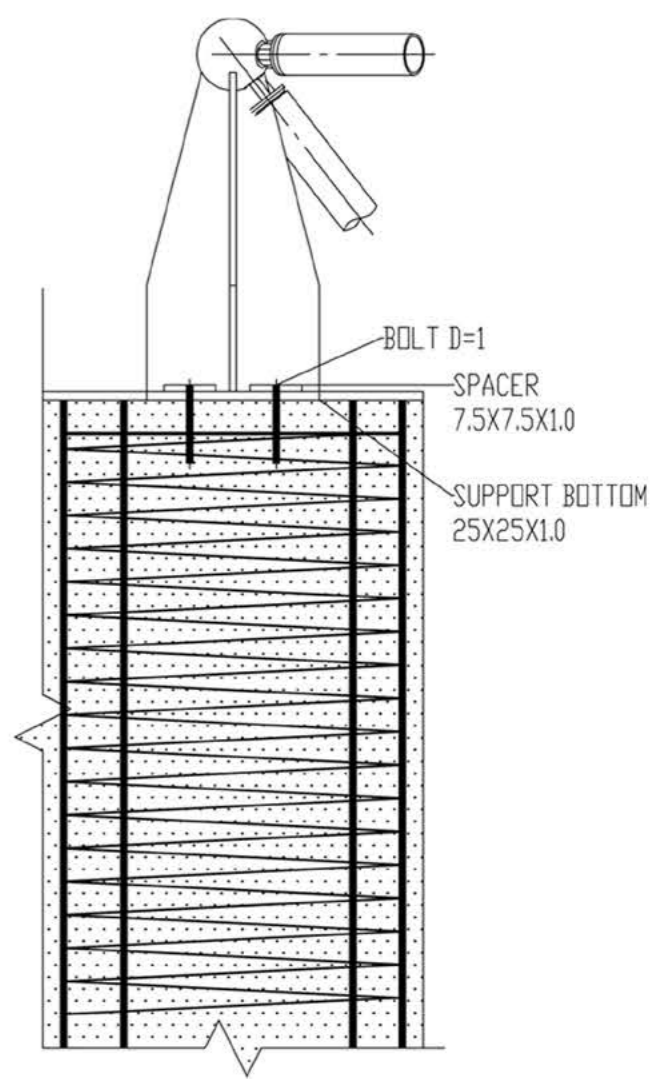
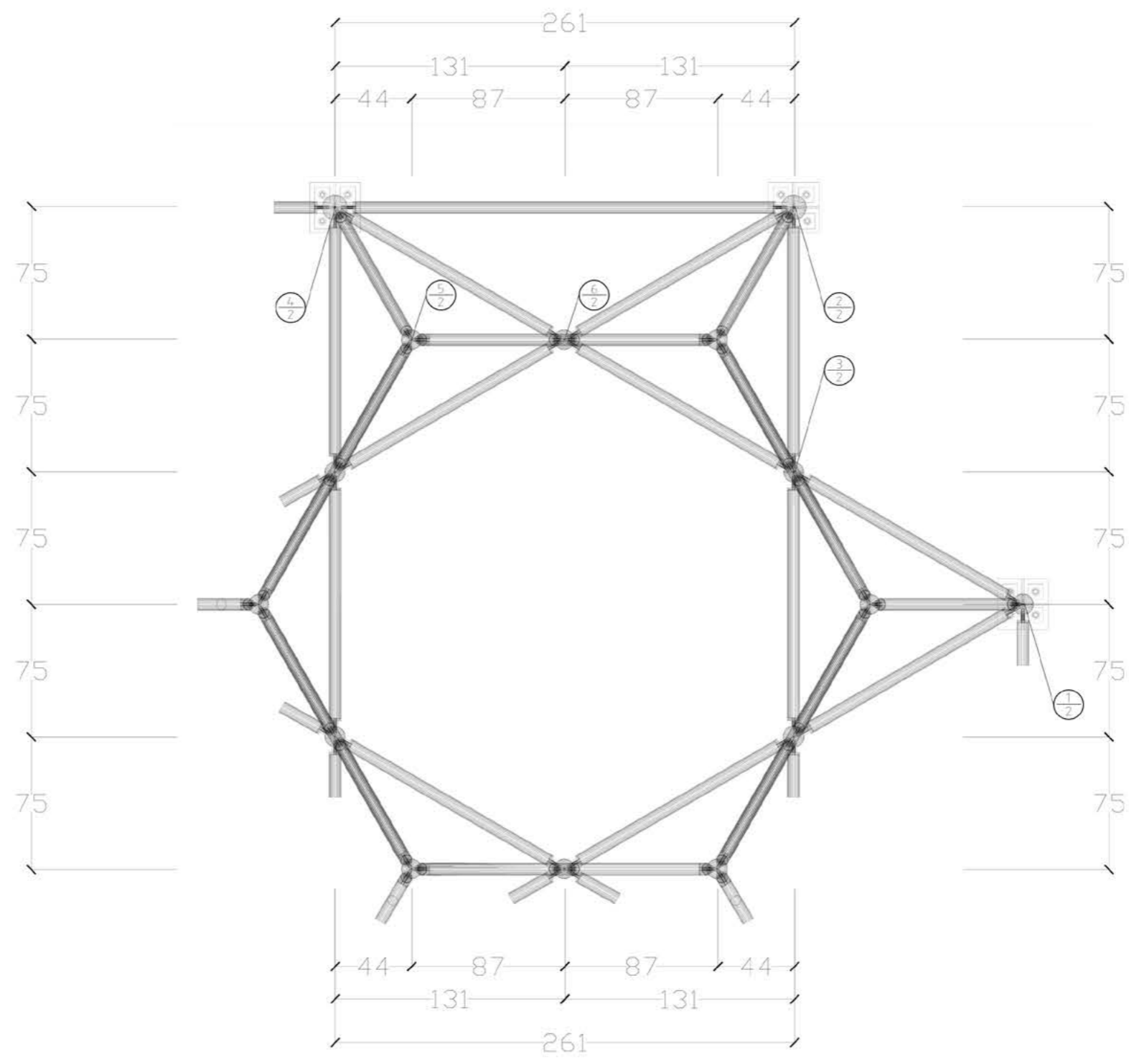
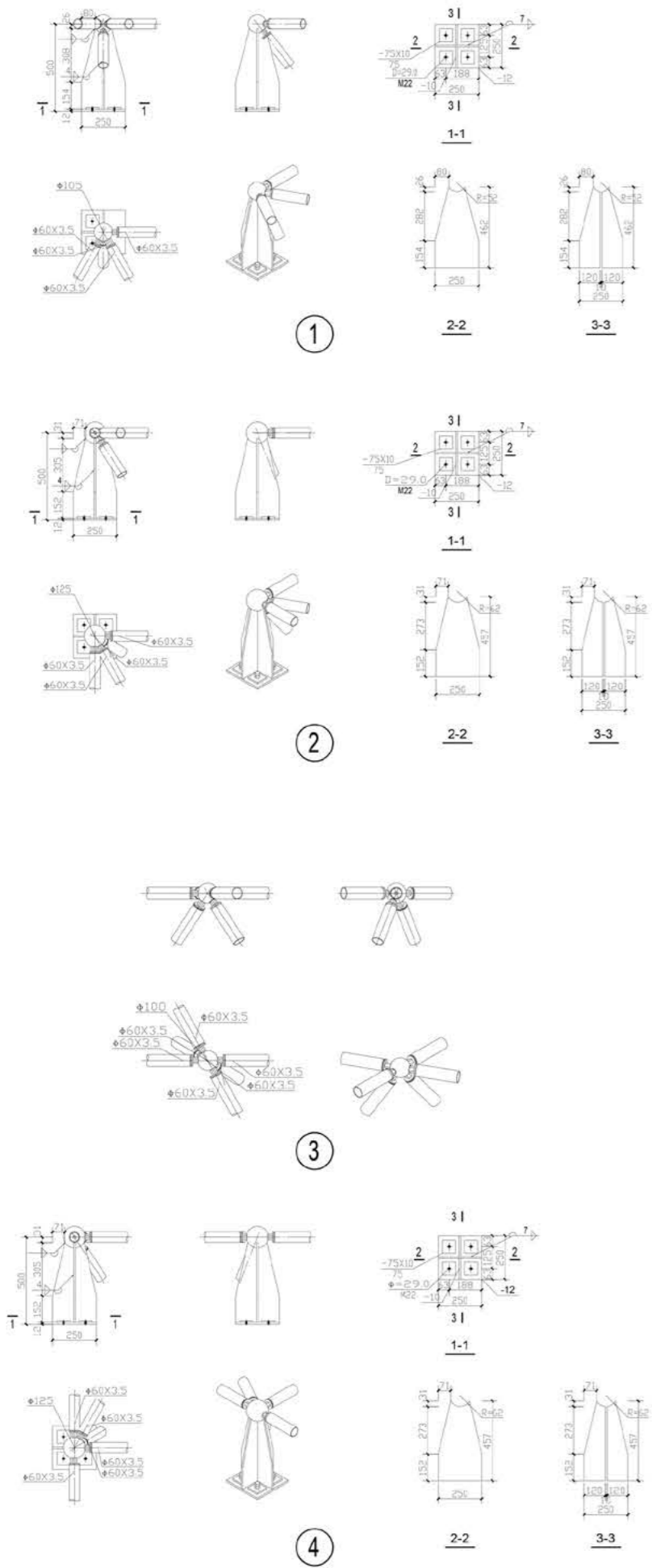
Scale 1:1000



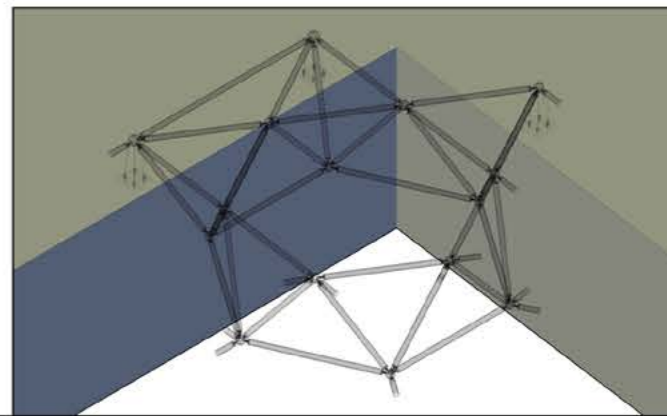
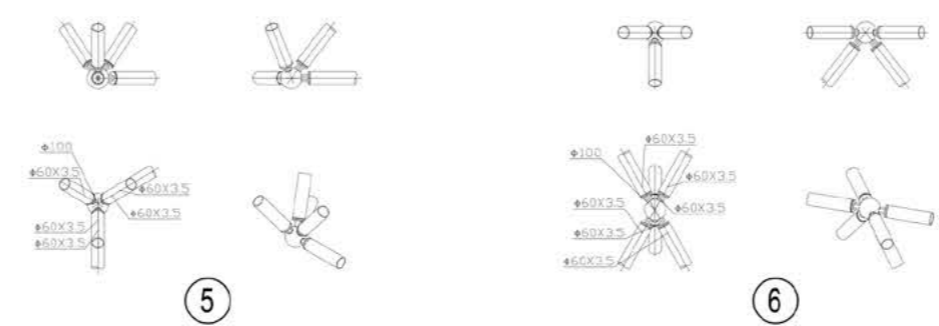
Plan of the Courthouse of Milan



Plan of the courtyard of the Courthouse of Milan

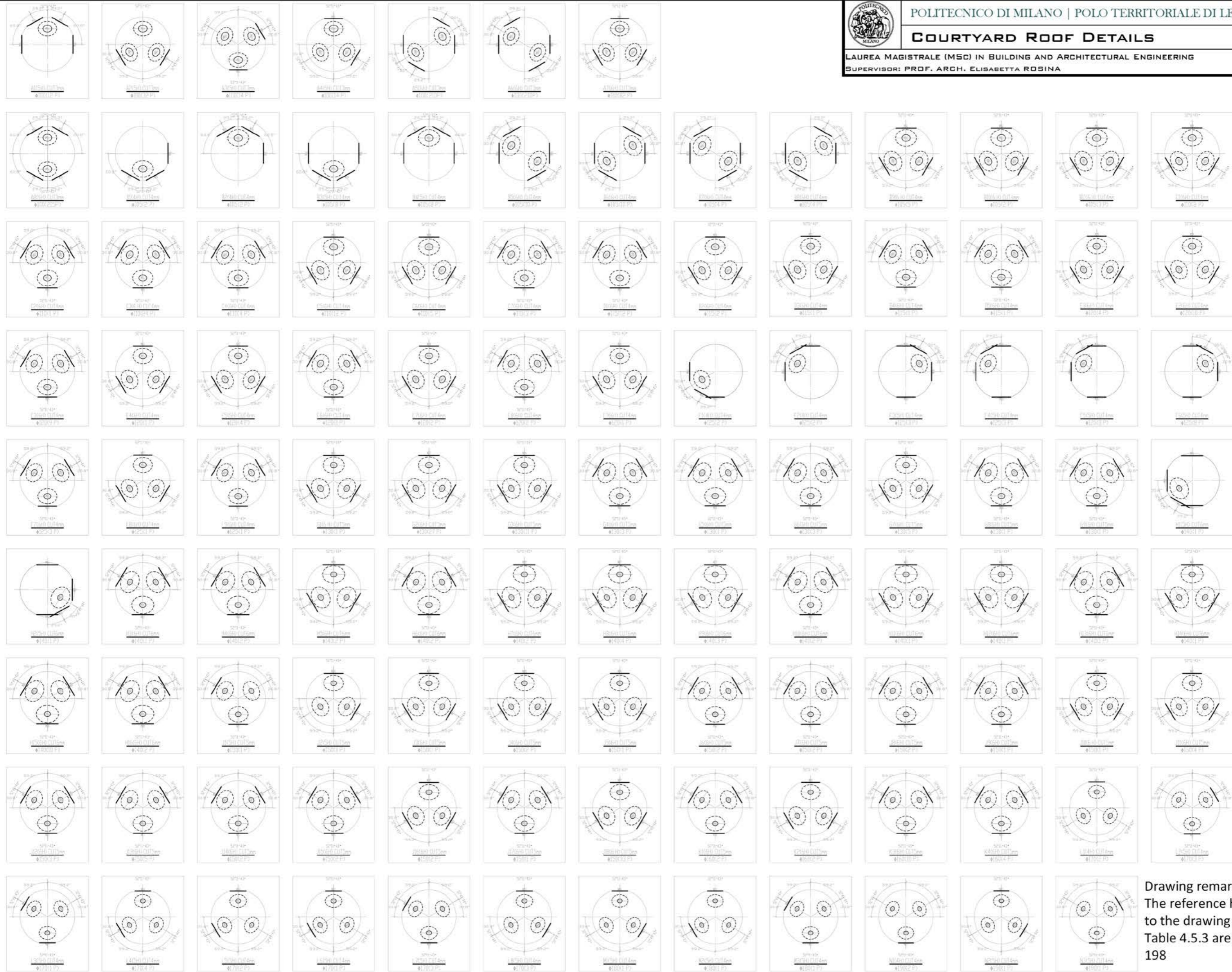


Details drawing of the support connect with the original columns (cm)





COURTYARD ROOF DETAILS



Drawing remark:
The reference hole is perpendicular to the drawing face.
Table 4.5.3 are in the report page 198



COURTYARD 3D VIEWS

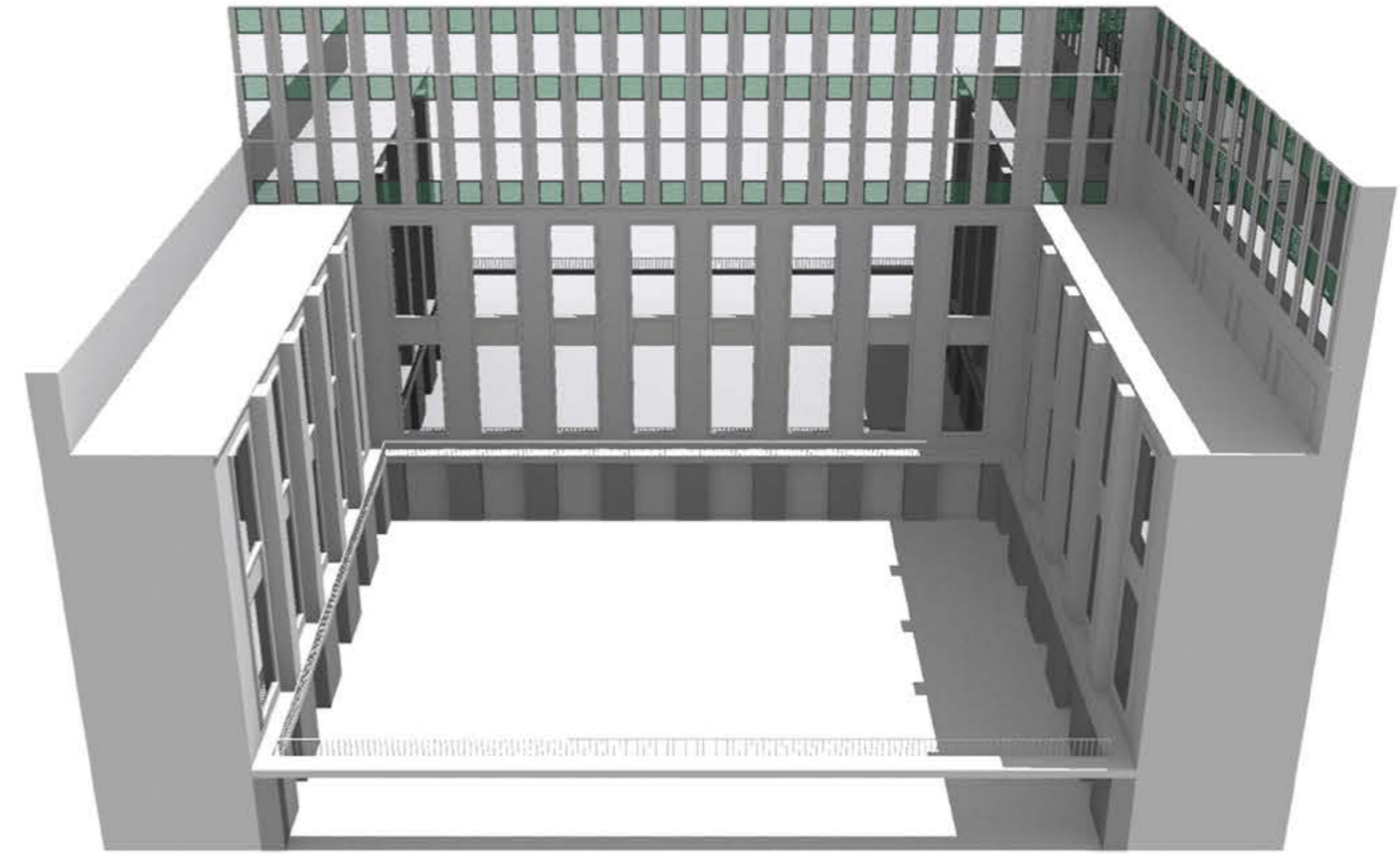
LAUREA MAGISTRALE (MSc) IN BUILDING AND ARCHITECTURAL ENGINEERING
SUPERVISOR: PROF. ARCH. ELISABETTA ROSINA

BARIS DEMIREL
LIU YUHENG
LU SHAN

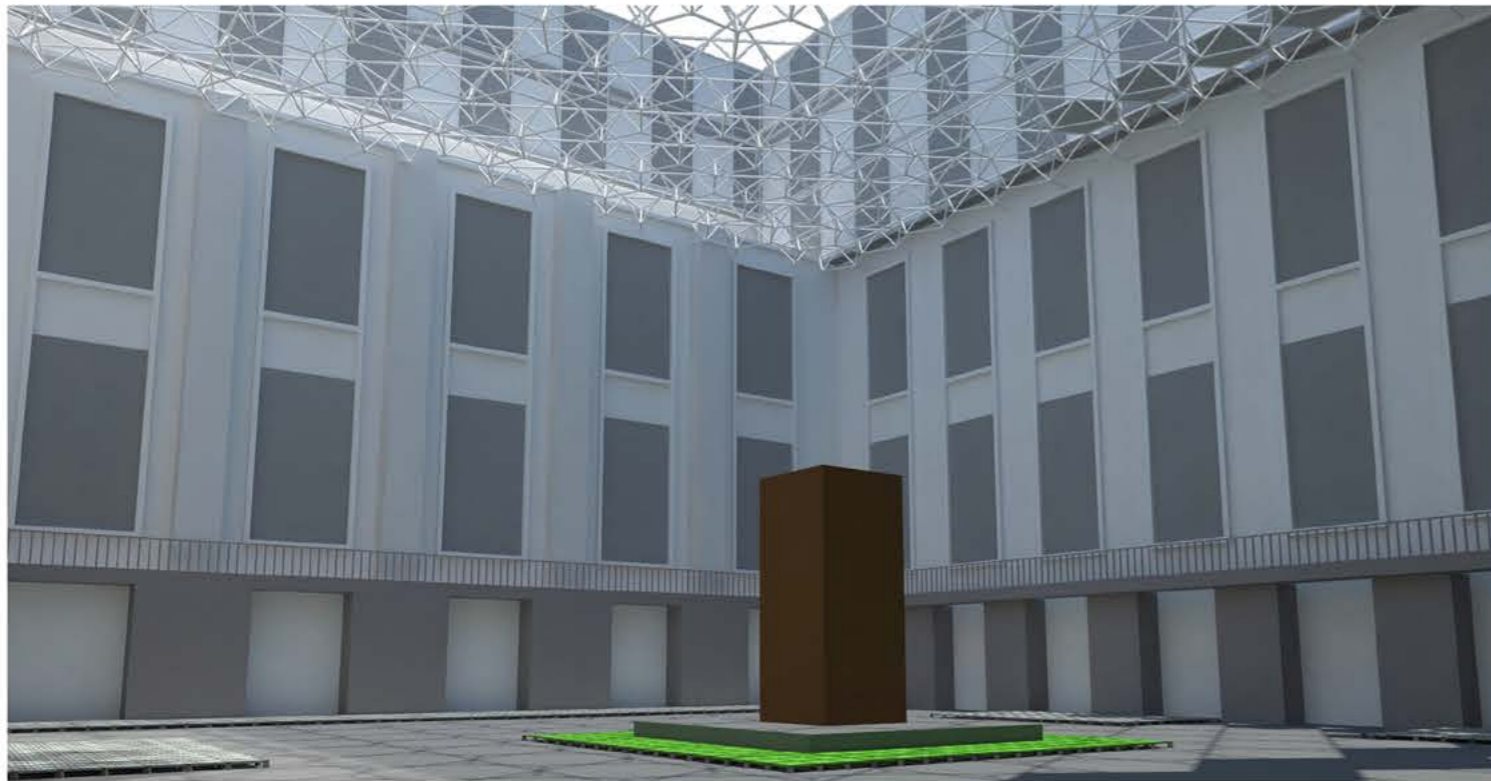
PROJECT OF THE COURTYARDS OF MILANO



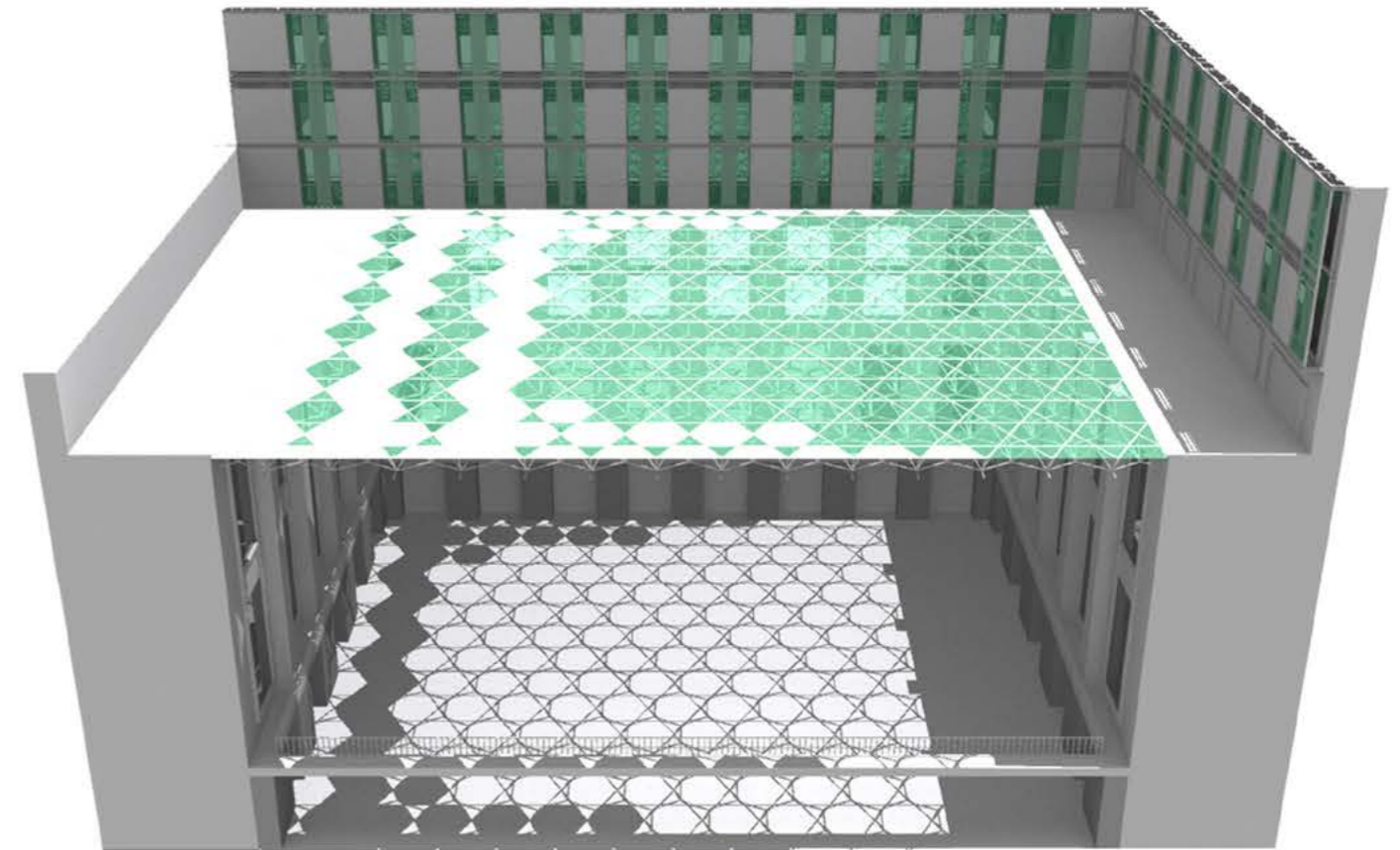
Courtyard View - Today



Courtyard 3d Section - Today



Courtyard View - Proposal



Courtyard 3d Section - Proposal