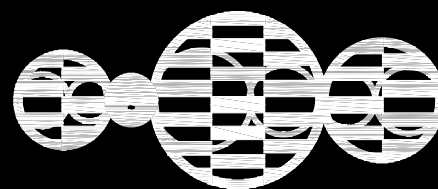
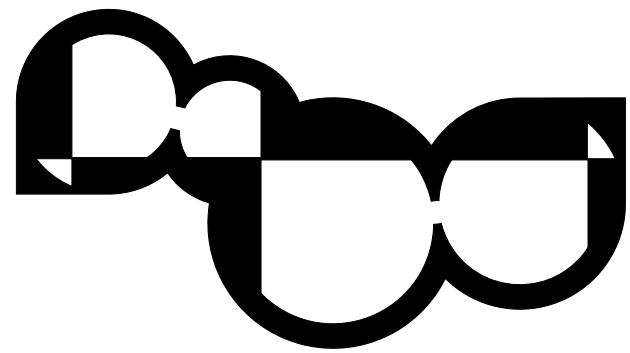


Urban Concept Design Submission
2011 10 18

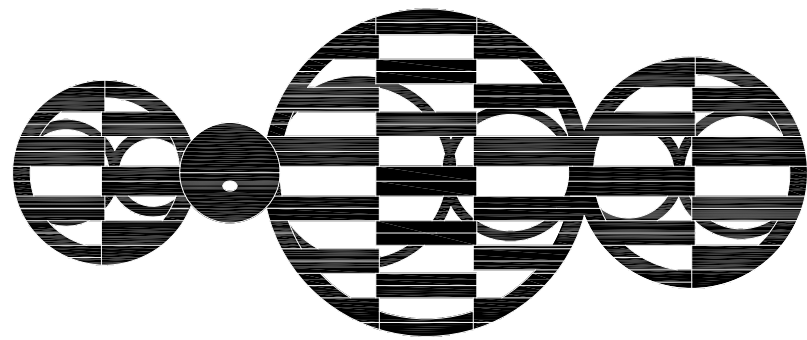
SKOLKOVO
UNIVERSITY DISTRICT



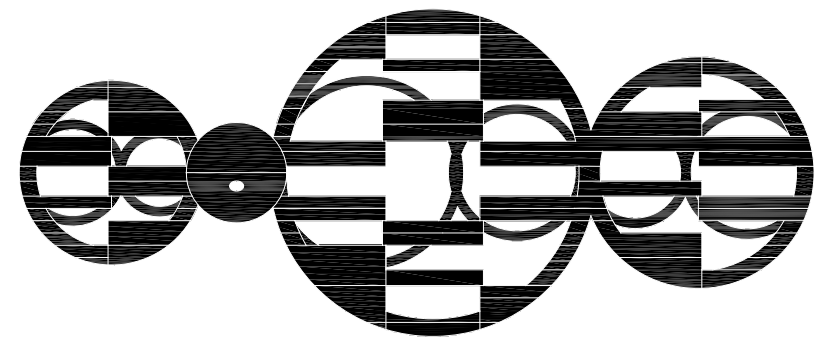
KALEIDOSCOPE



LINE
ENFILADE

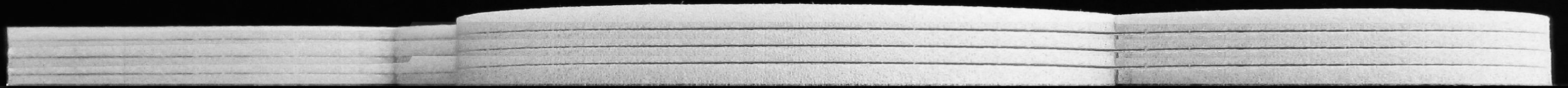


GRID
CARPET

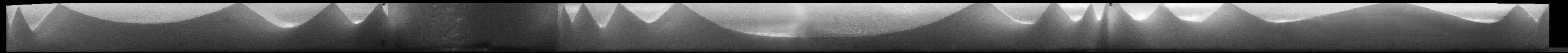


KALEIDOSCOPE
DIVERSIFIED GRID ADAPTING TO
PROGRAM REQUIREMENTS





ENFILADE
02 SEPTEMBER



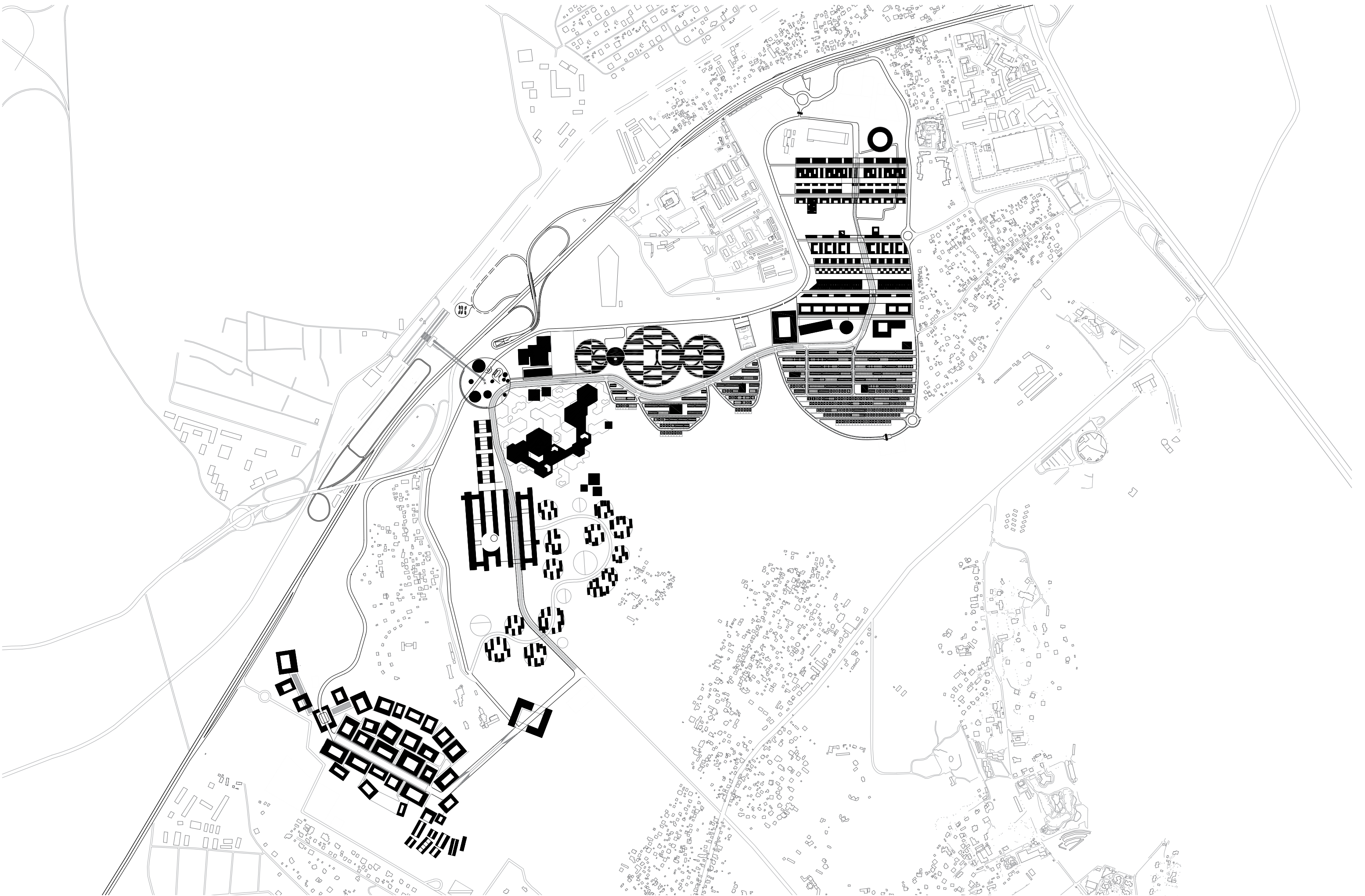
CARPET
16 SEPTEMBER

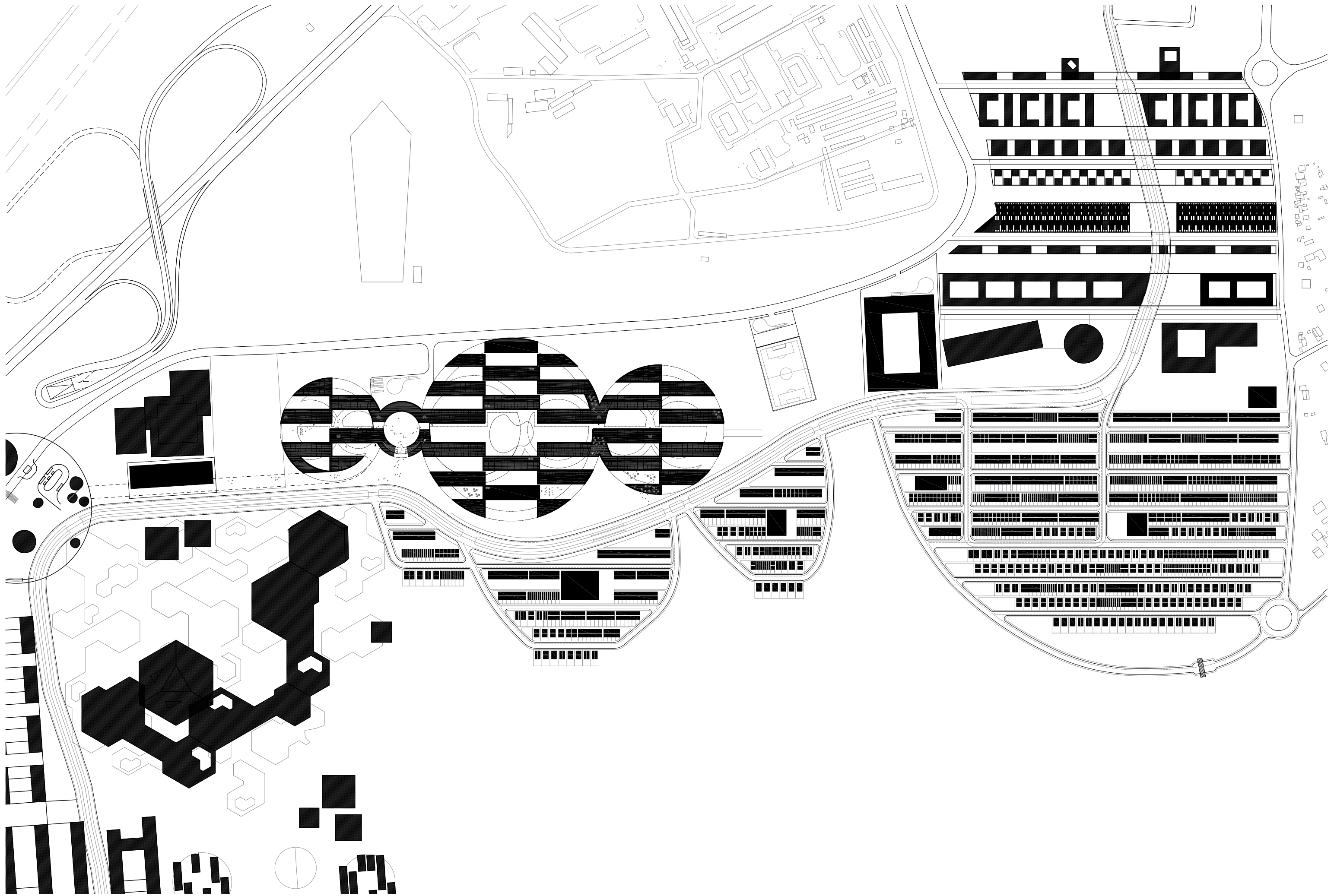


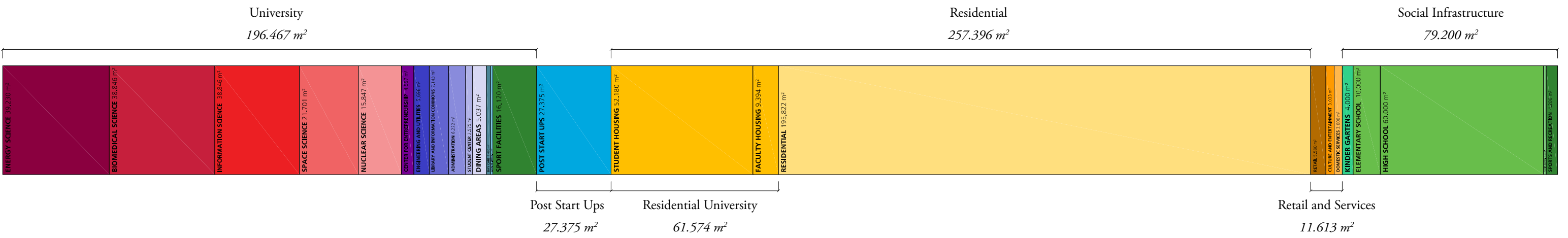
KALEIDOSCOPE
17 OCTOBER

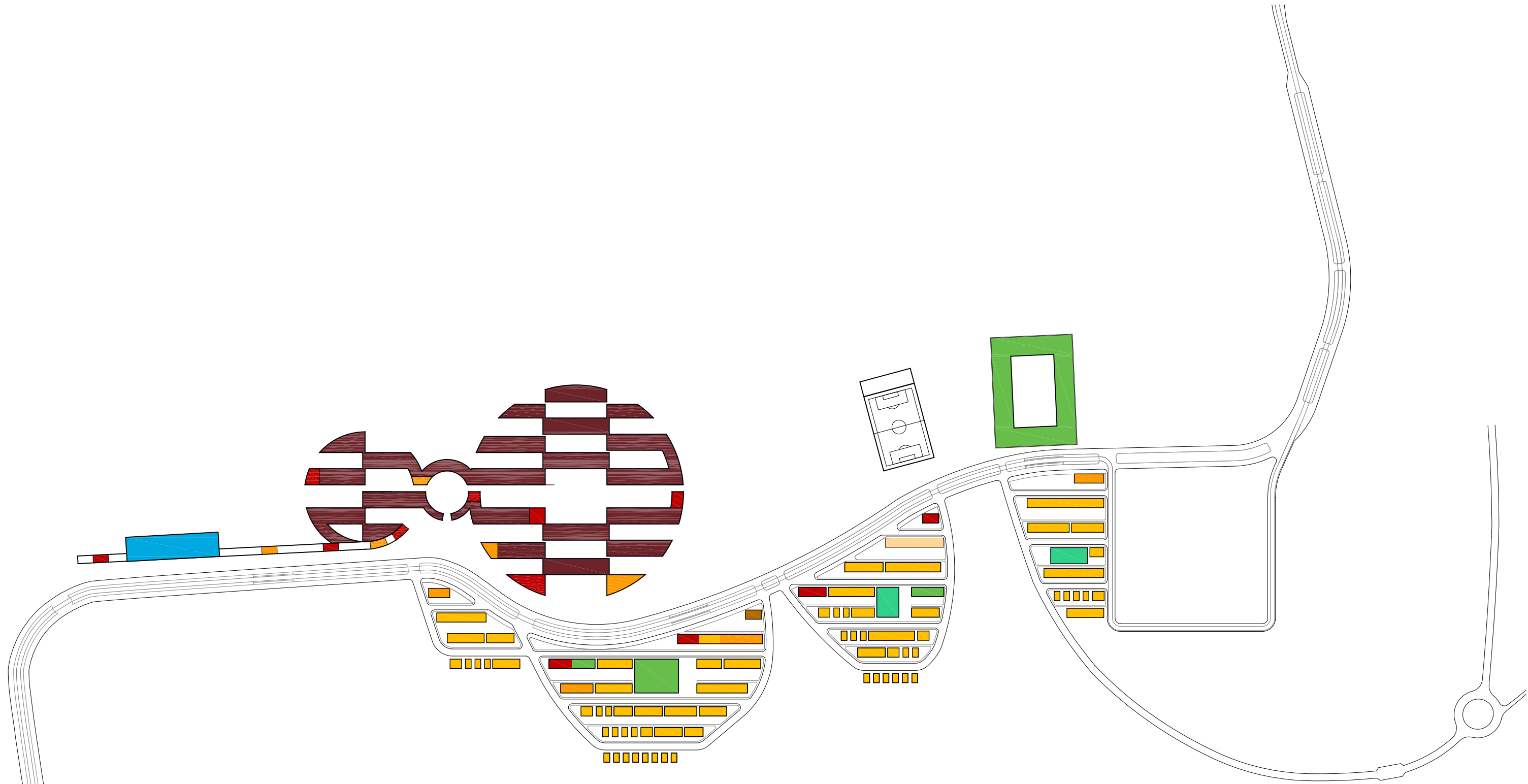
DISTRICT MASTERPLAN

















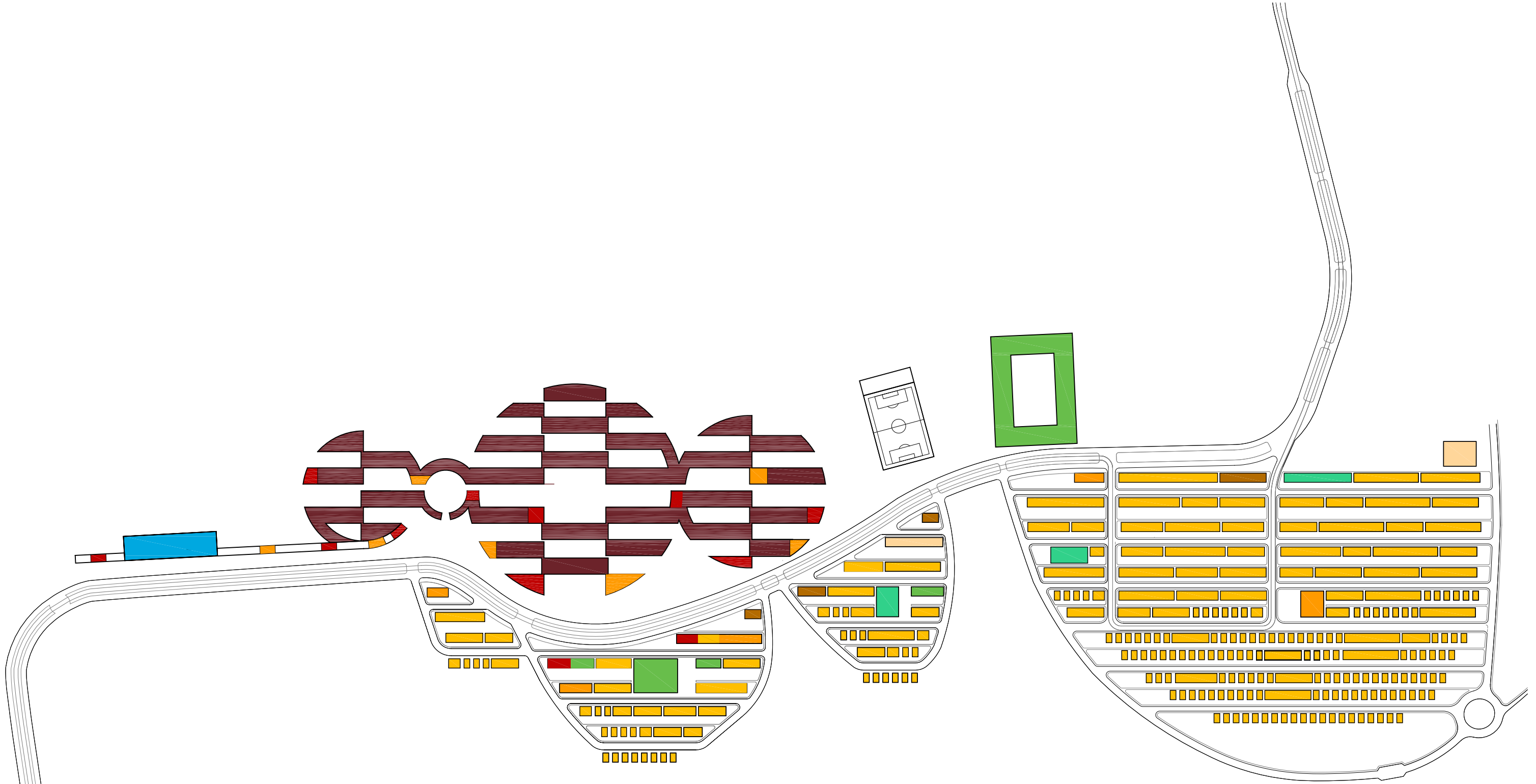




Phase 1

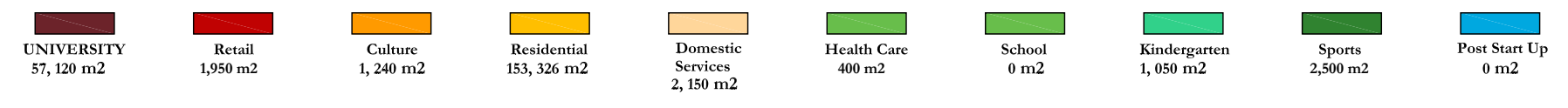
2015

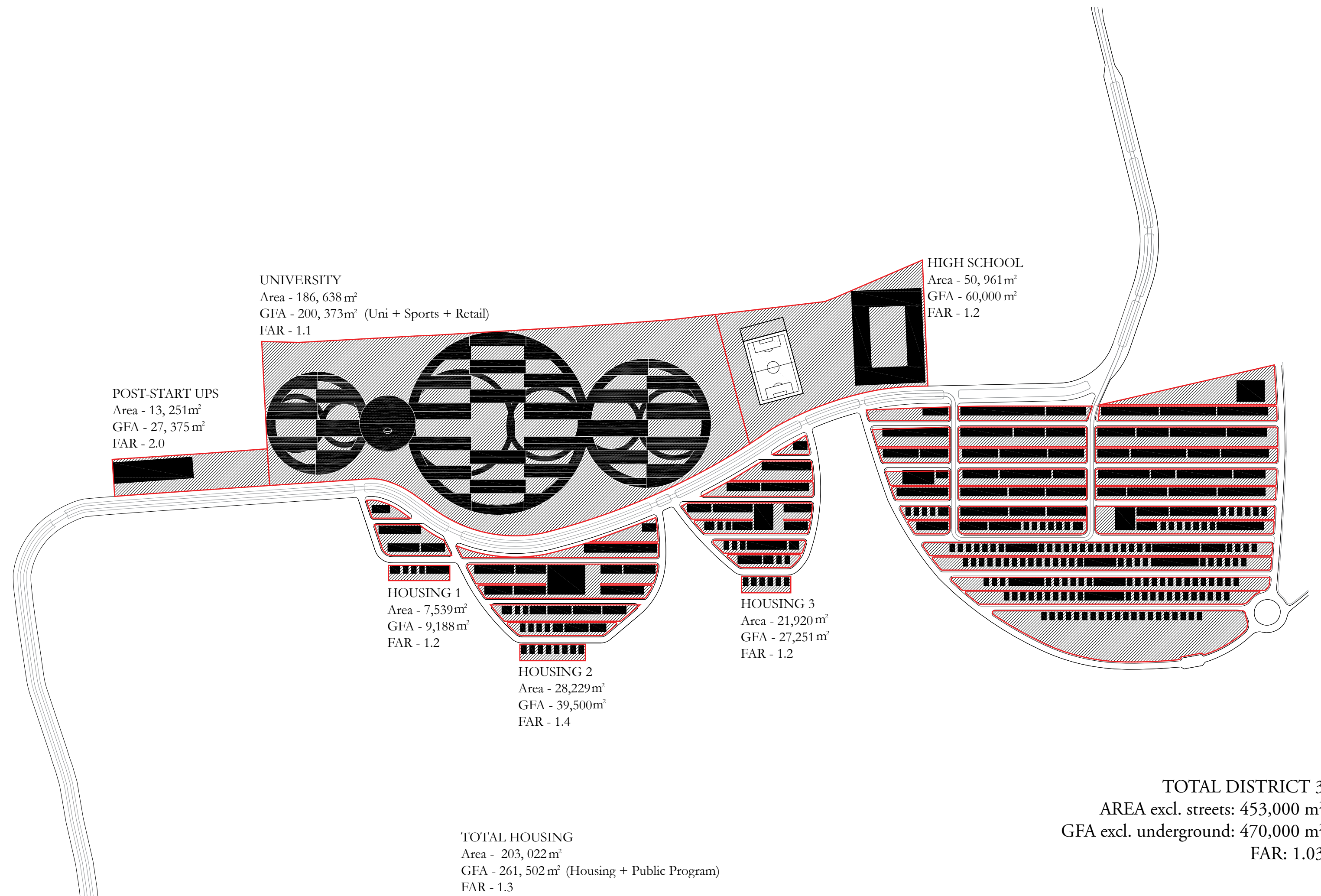
									
UNIVERSITY 118,400 m ²	Retail 3,750 m ²	Culture 2,055 m ²	Residential 86,435 m ²	Domestic Services 1,145 m ²	Health Care 960 m ²	School 69,865 m ²	Kindergarten 3,260 m ²	Sports 16,900 m ²	Post Start Up 26,855 m ²



Phase 2

2025





UNIVERSITY
 Area - 186, 638 m²
 GFA - 200, 373 m² (Uni + Sports + Retail)
 FAR - 1.1

HIGH SCHOOL
 Area - 50, 961 m²
 GFA - 60,000 m²
 FAR - 1.2

POST-START UPS
 Area - 13, 251 m²
 GFA - 27, 375 m²
 FAR - 2.0

HOUSING 1
 Area - 7,539 m²
 GFA - 9,188 m²
 FAR - 1.2

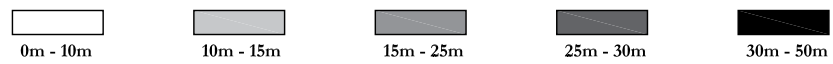
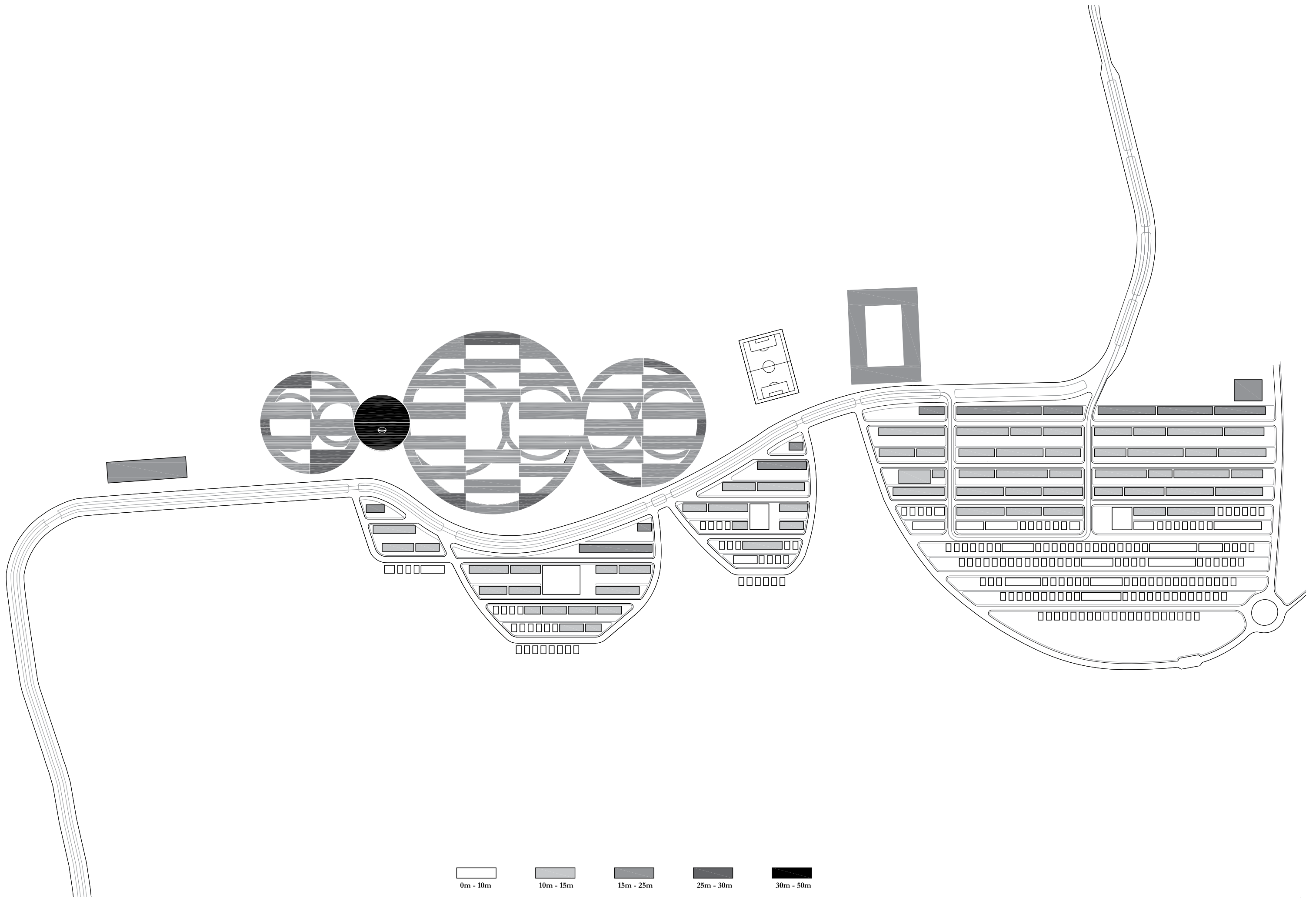
HOUSING 2
 Area - 28,229 m²
 GFA - 39,500 m²
 FAR - 1.4

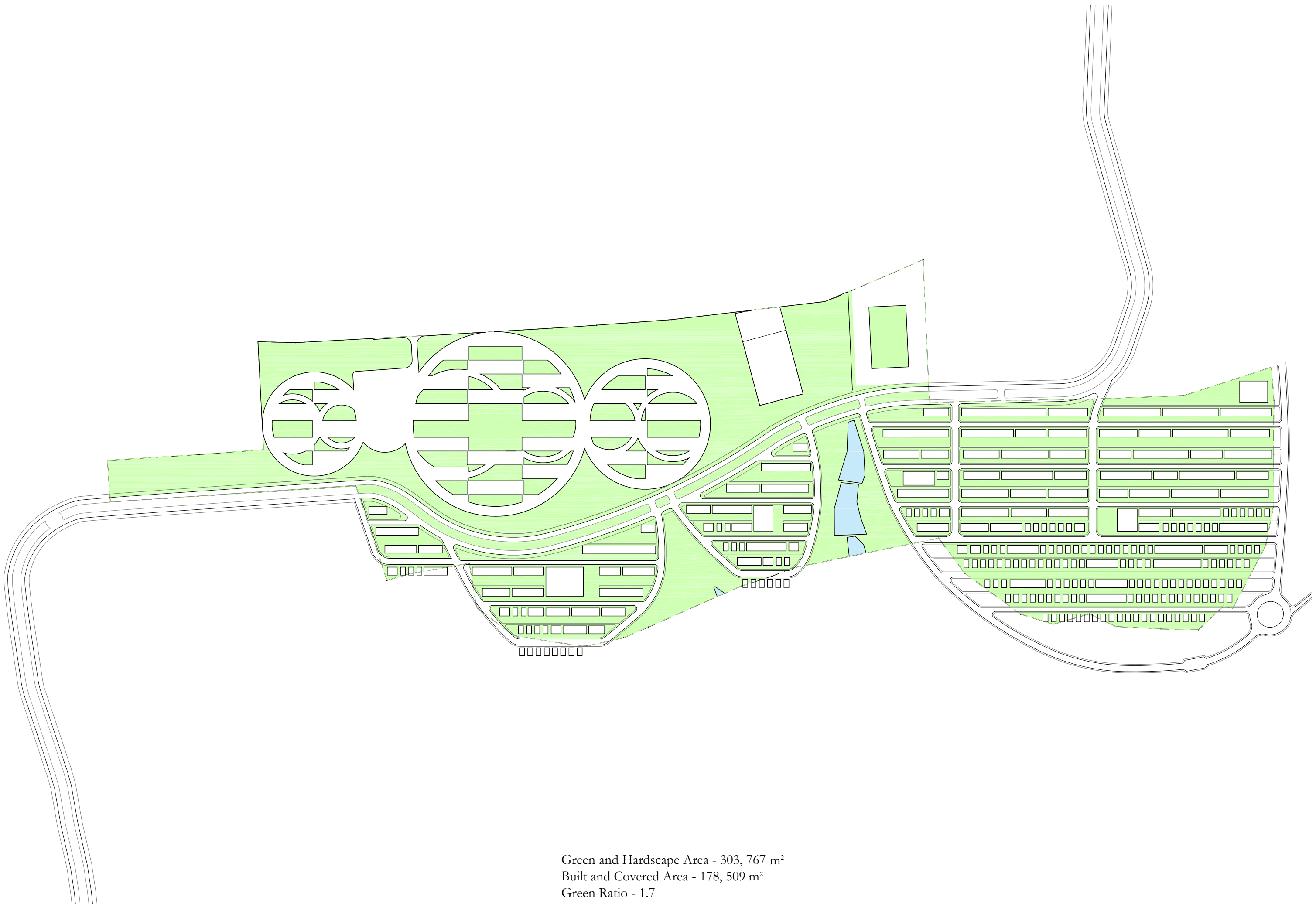
HOUSING 3
 Area - 21,920 m²
 GFA - 27,251 m²
 FAR - 1.2

TOTAL HOUSING
 Area - 203, 022 m²
 GFA - 261, 502 m² (Housing + Public Program)
 FAR - 1.3

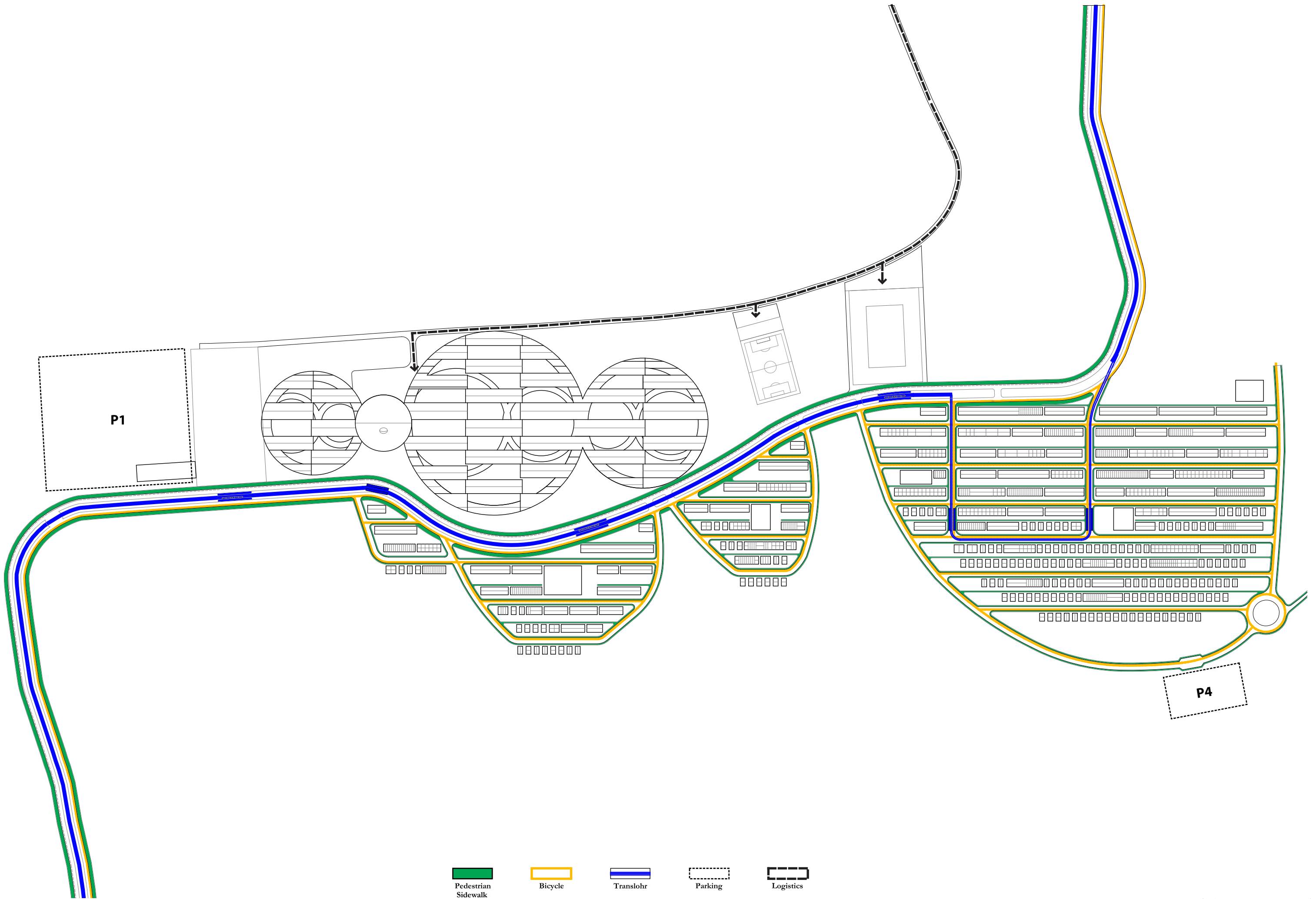
TOTAL DISTRICT 3
 AREA excl. streets: 453,000 m²
 GFA excl. underground: 470,000 m²
 FAR: 1.03

DENSITY / FAR
 UNIVERSITY DISTRICT





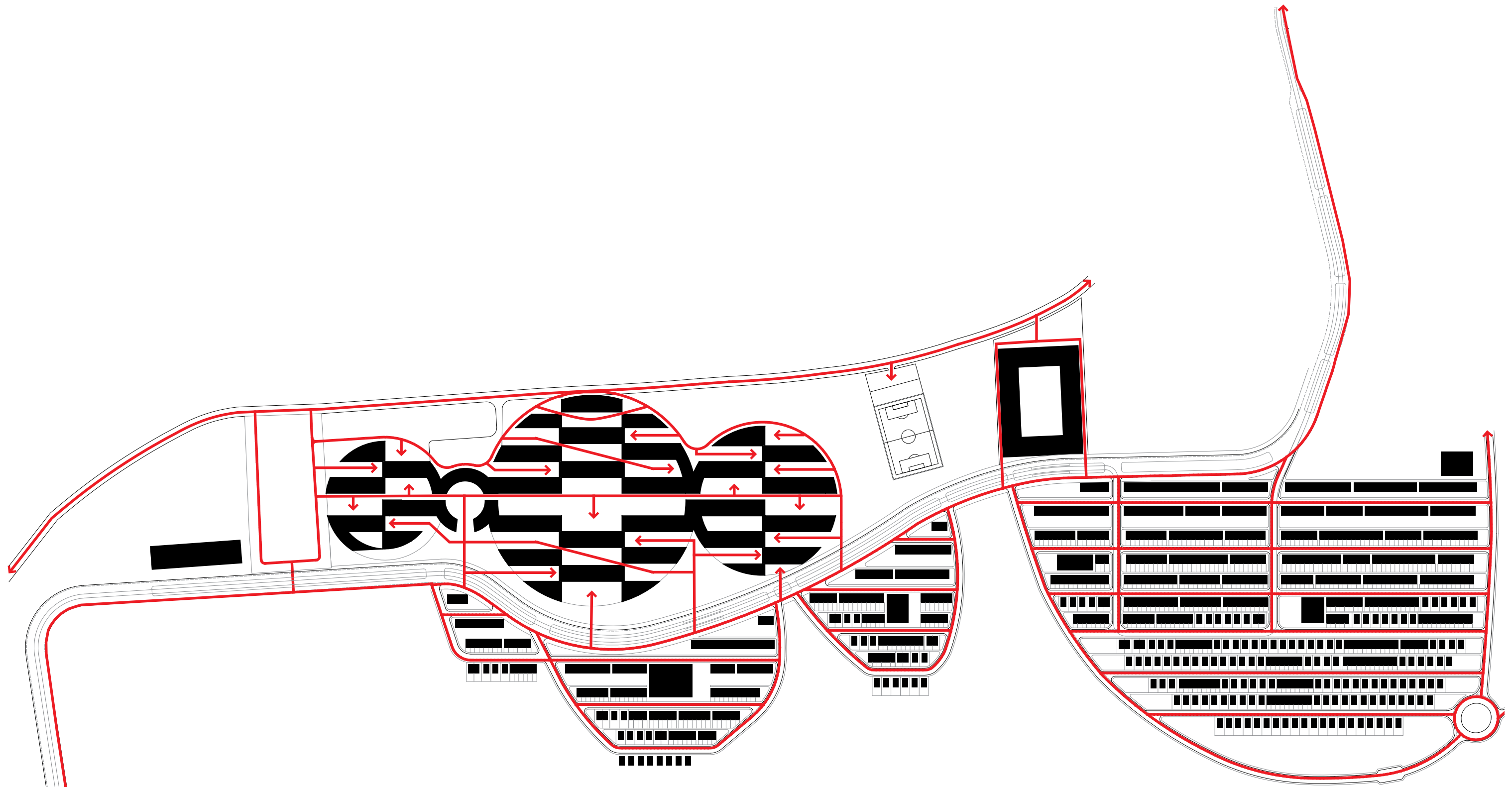
Green and Hardscape Area - 303,767 m²
Built and Covered Area - 178,509 m²
Green Ratio - 1.7



P1

P4

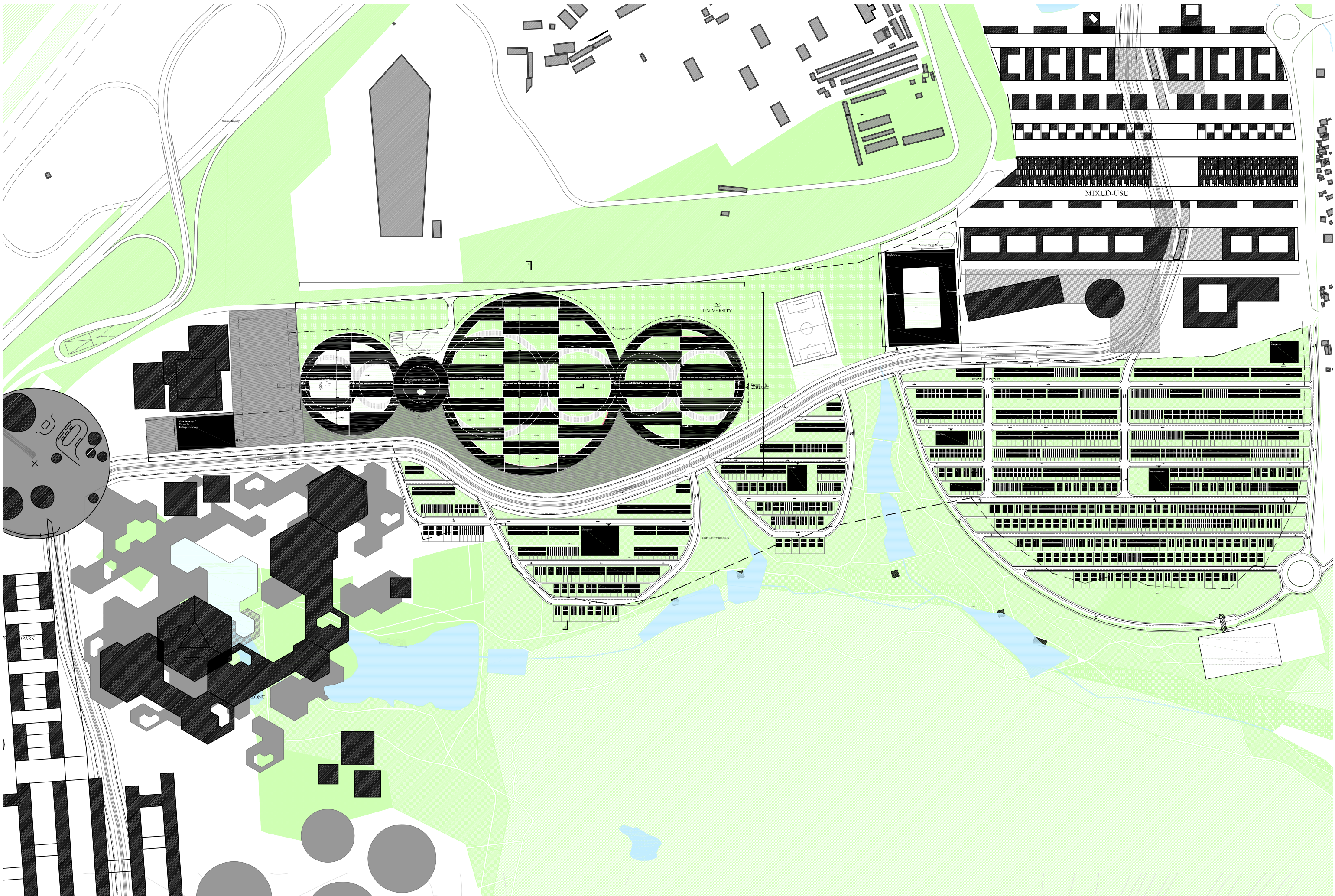
- Pedestrian Sidewalk
- Bicycle
- Translohr
- Parking
- Logistics

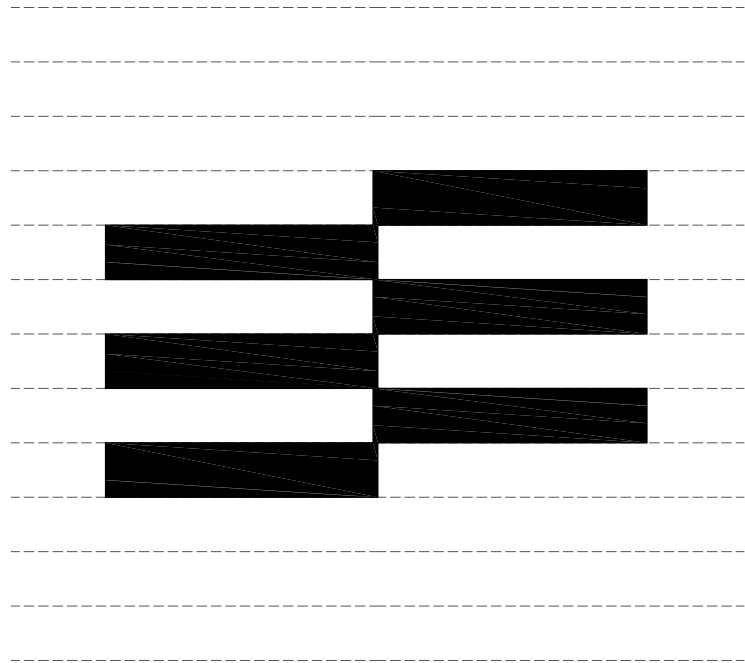


Emergency and Maintenance Access

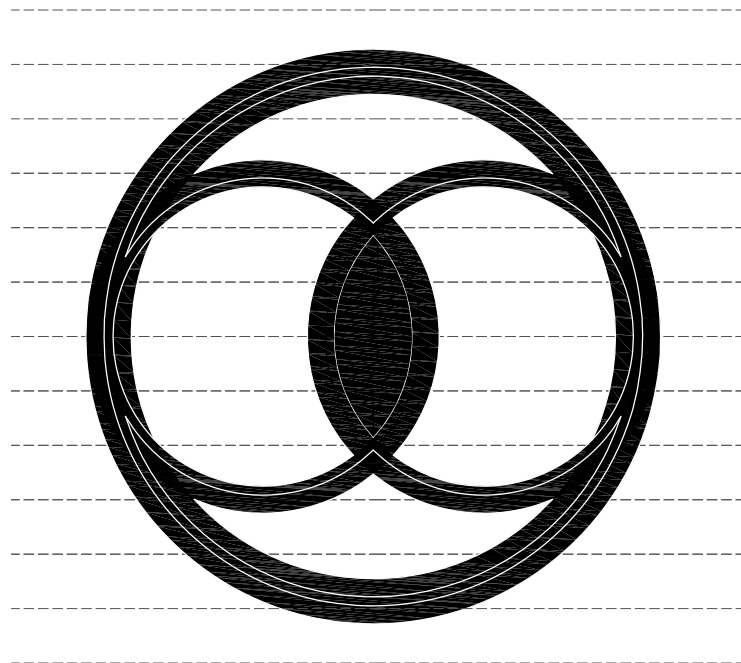
EMERGENCY AND MAINTENANCE ACCESS
UNIVERSITY DISTRICT

UNIVERSITY



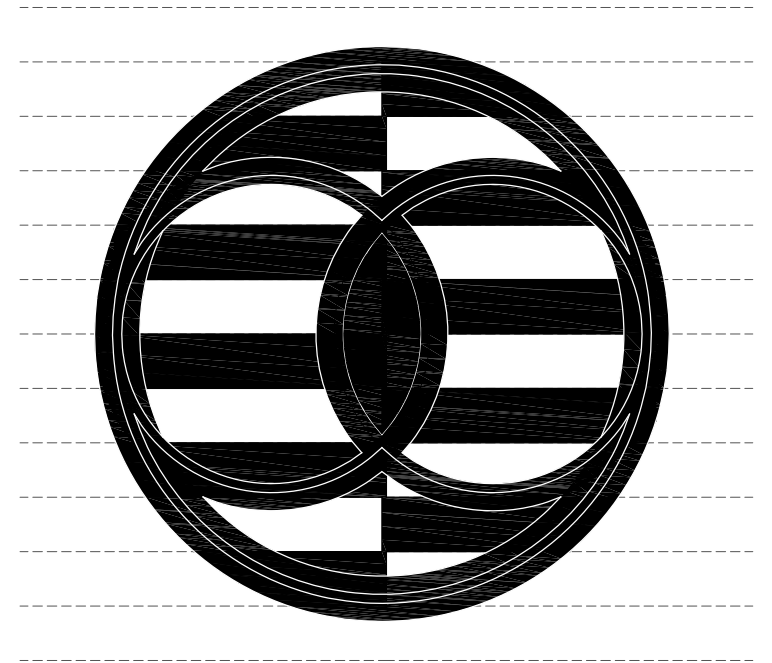


CARPET OF LABS



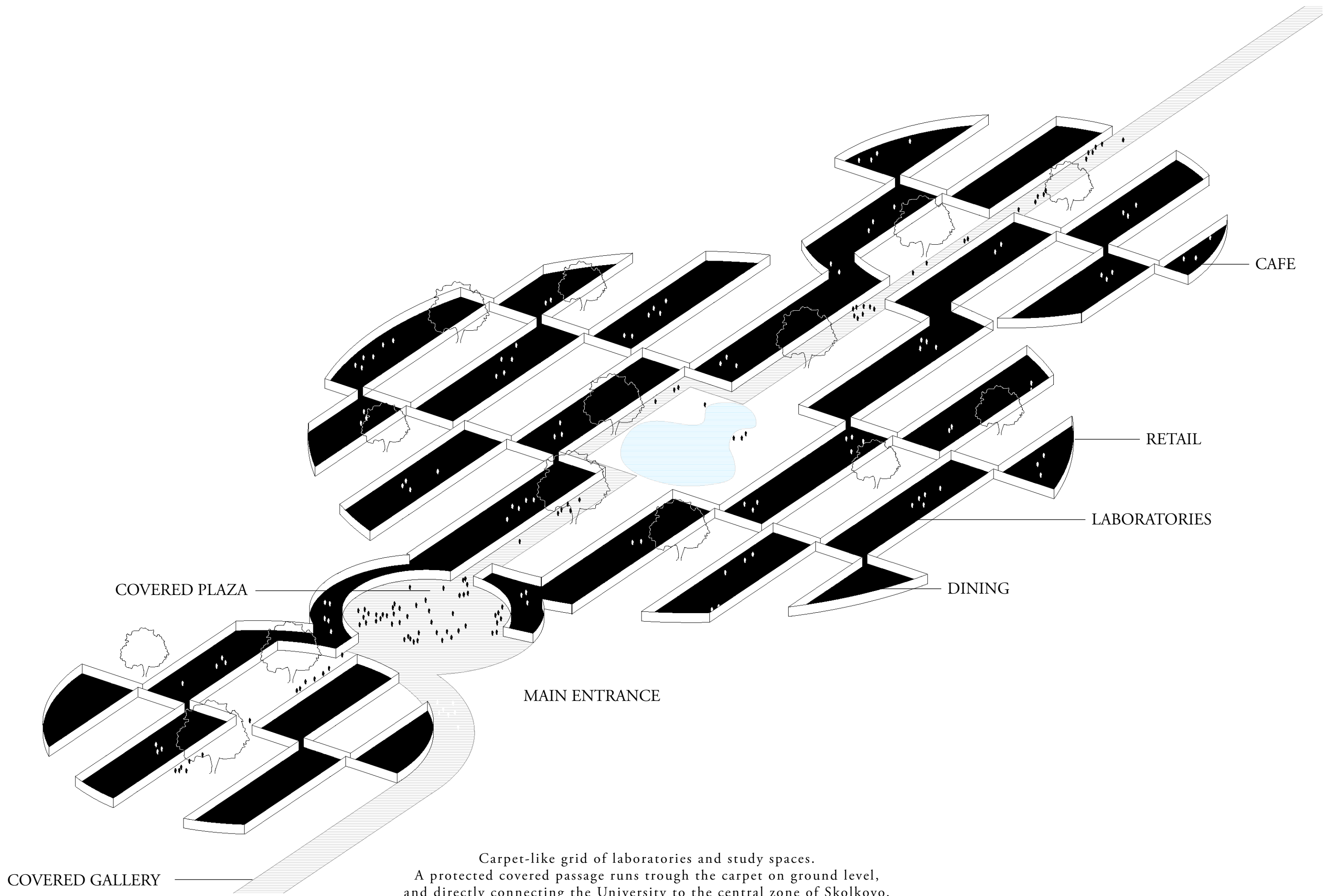
PATH

INCL. PUBLIC,
EDUCATIONAL AND OFFICE
PROGRAMS



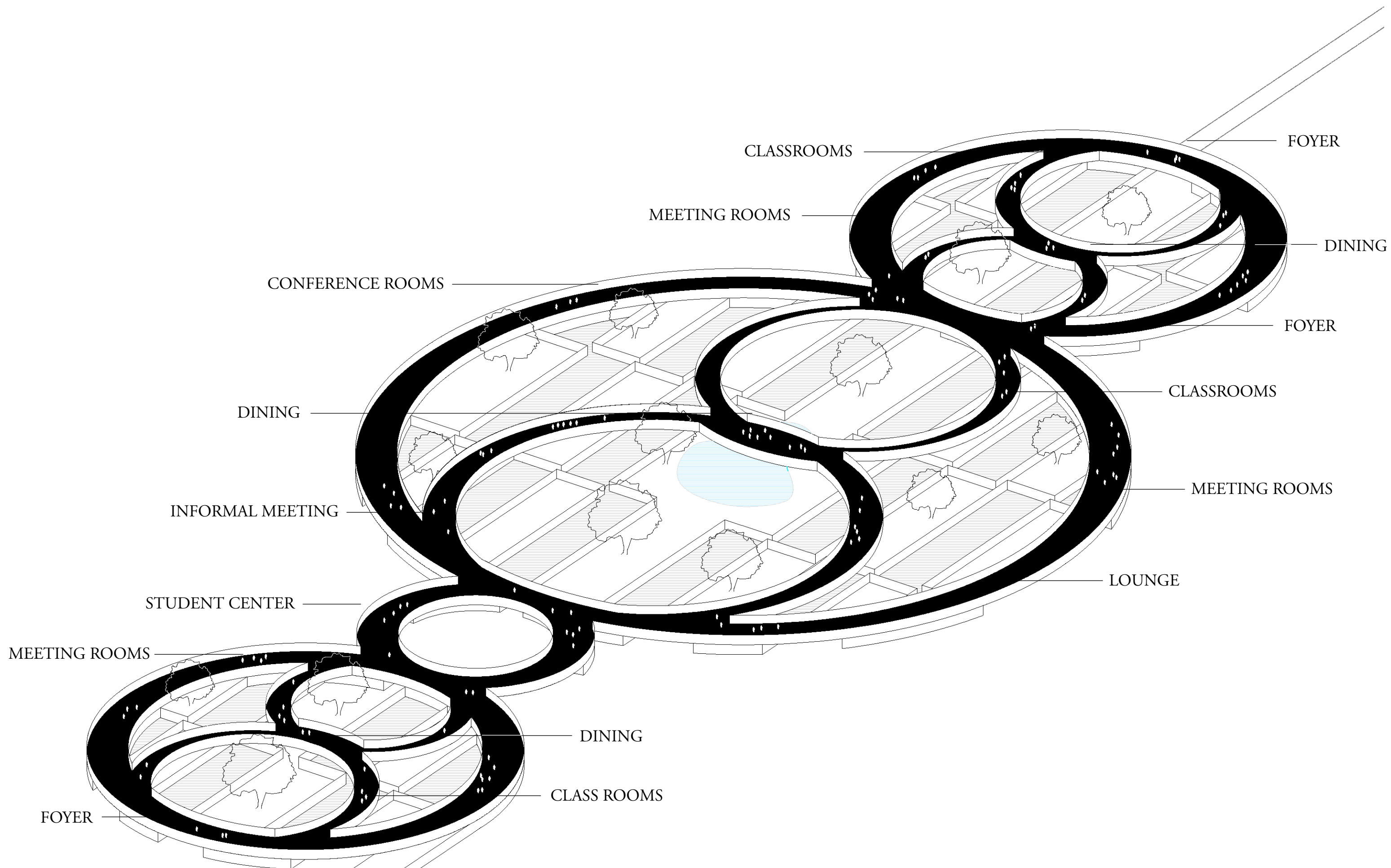
OVERLAY

INNOVATIVE ENVIRONMENT

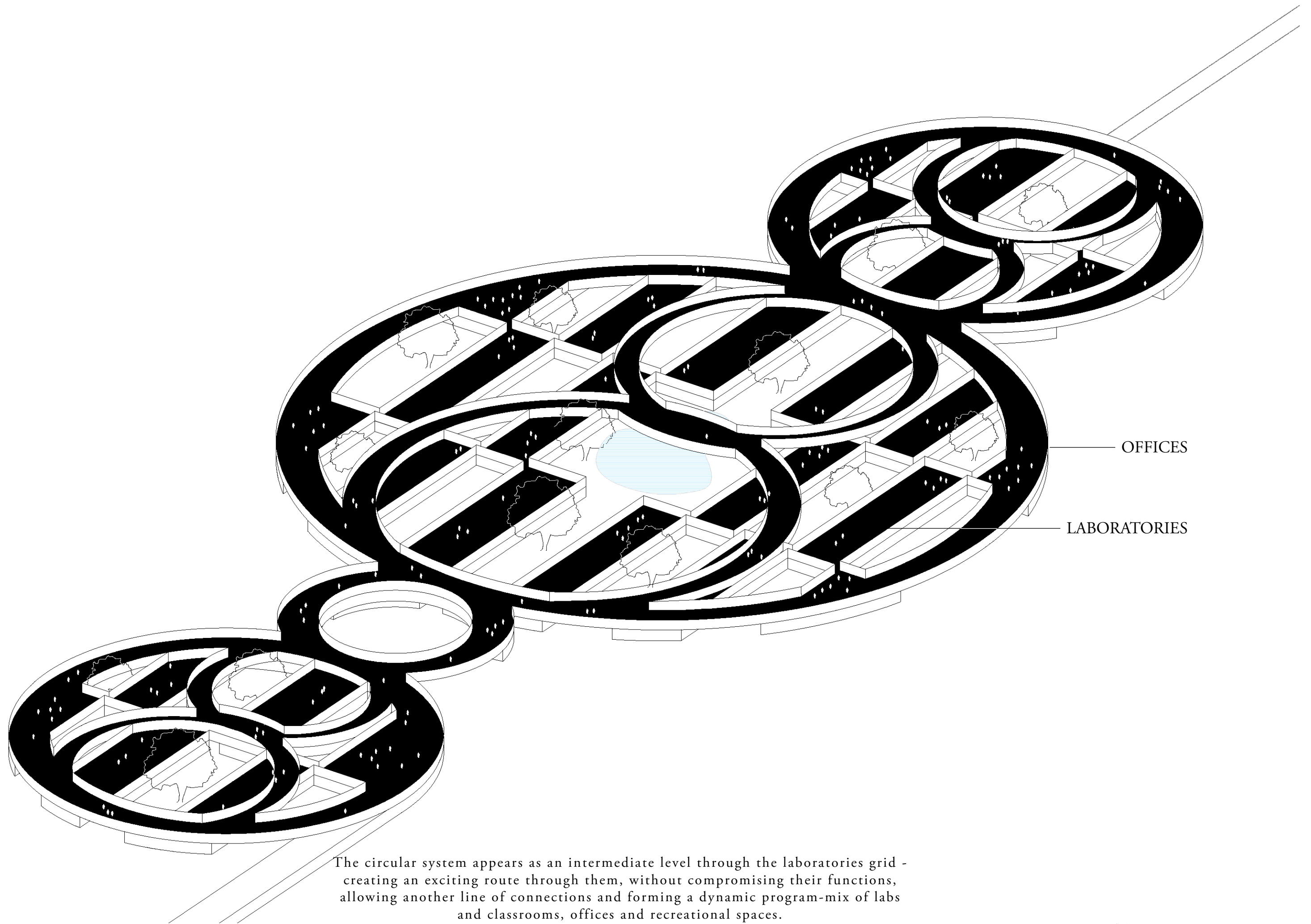


Carpet-like grid of laboratories and study spaces.
 A protected covered passage runs through the carpet on ground level,
 and directly connecting the University to the central zone of Skolkovo.

LABORATORIES, OFFICES & COVERED GALLERY
 GROUND FLOOR



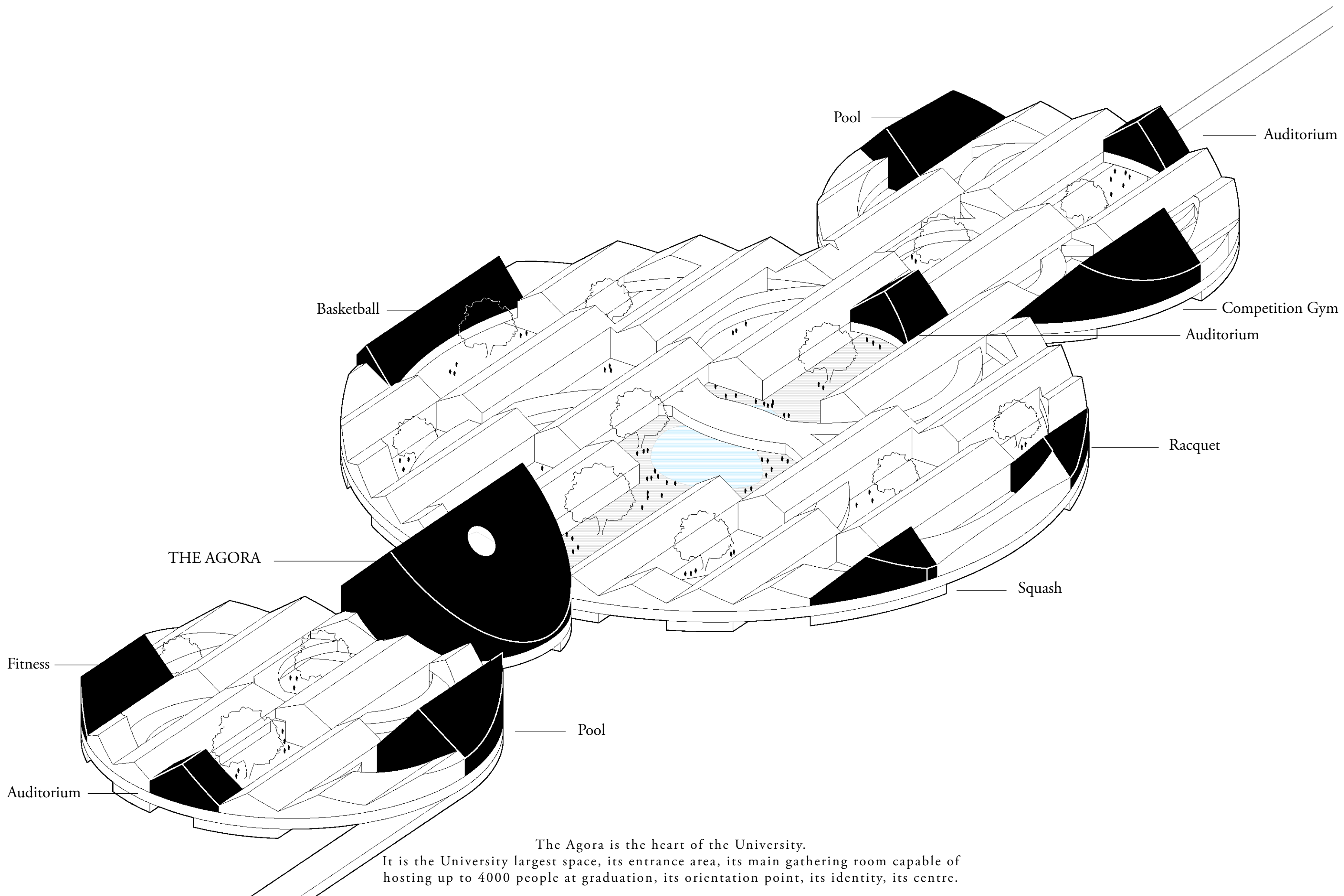
. A second system of circular shapes is introduced to accommodate the public circulation and open public spaces as well as the classrooms, offices, auditoria and sport facilities.



OFFICES

LABORATORIES

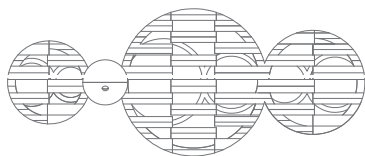
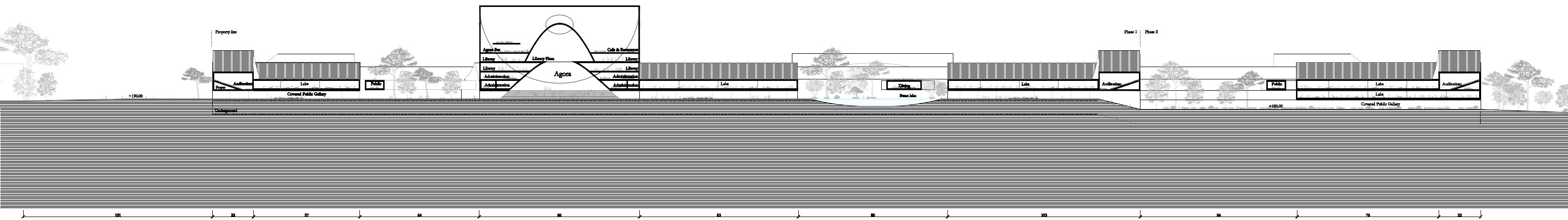
The circular system appears as an intermediate level through the laboratories grid - creating an exciting route through them, without compromising their functions, allowing another line of connections and forming a dynamic program-mix of labs and classrooms, offices and recreational spaces.



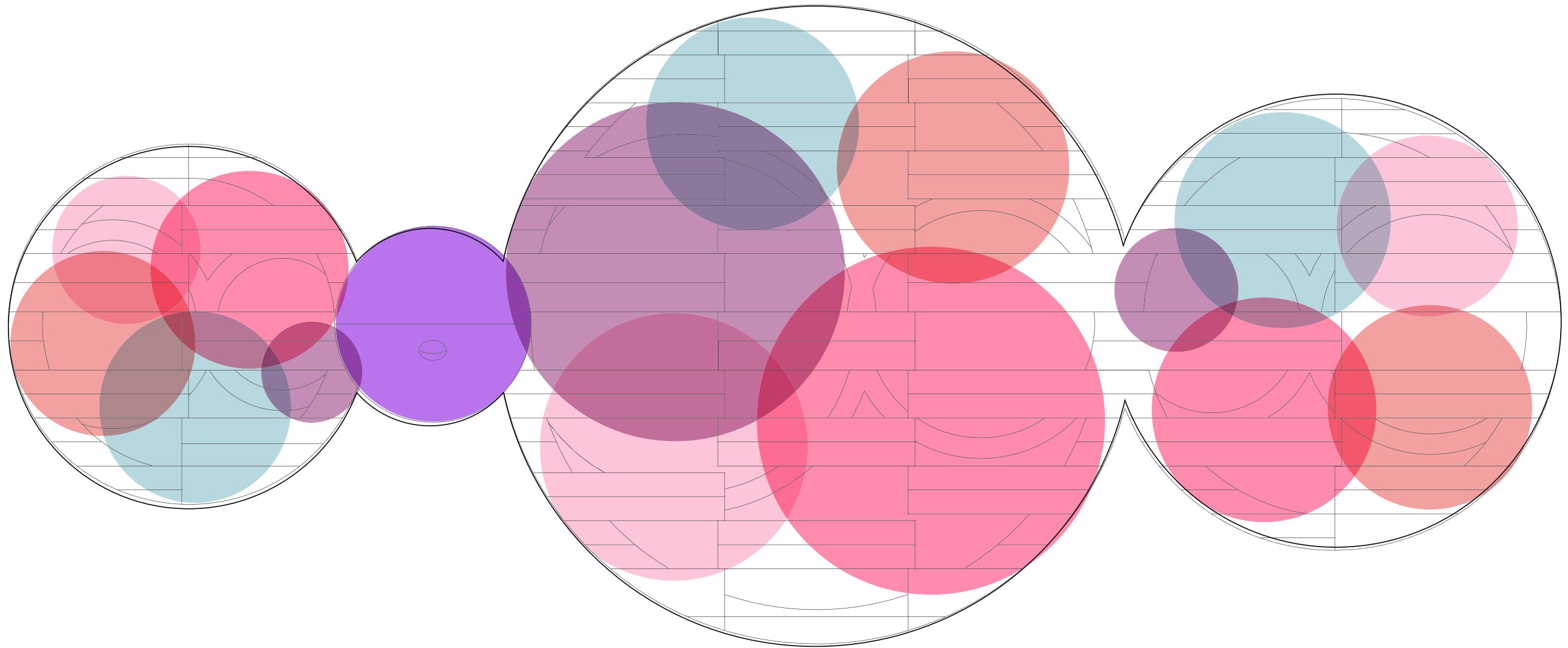
The Agora is the heart of the University.
 It is the University largest space, its entrance area, its main gathering room capable of hosting up to 4000 people at graduation, its orientation point, its identity, its centre.

UNIVERSITY SQUARE

SKOLKOVO UNIVERSITY







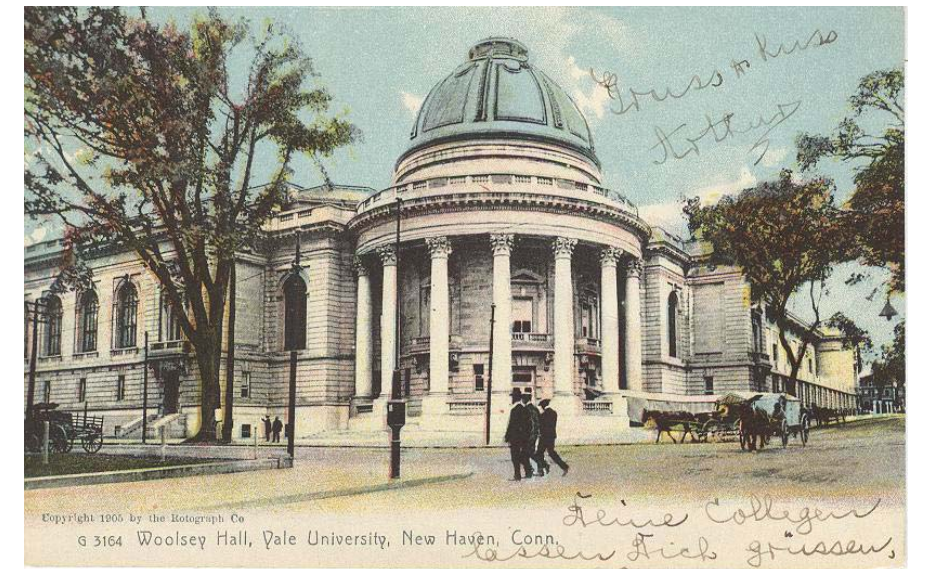
Each of 5 Departments is present in each part of the University,
which encourages interdisciplinary exchange and collaboration.



COLUMBIA
Columbia Library



MIT
Killian Court



YALE
Woolsey Hall





The Agora - a main covered gathering and ceremonial space, capable of hosting large crowds at graduation or other special events.



TREE GRID CITY
- urban tree grid on hardscape plazas

AGORA
- indoor piazza

WILD FOREST WORLD
- mixed russian forest trees among small lakes

OCEAN OF BUSHES
- low carpet of bushes and small garden trees

Court of Oranges, Cordoba, Spain



1. Tree Grid City

The Alhambra: Carlos V Palace, Grenada, Spain



2. Agora

Central Park, New York

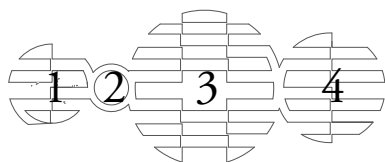


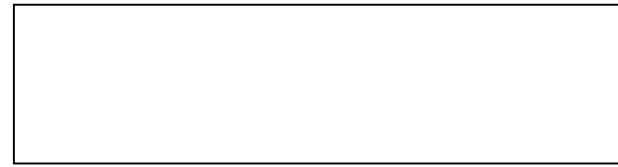
3. Wild Forest World

Bryant Park, New York

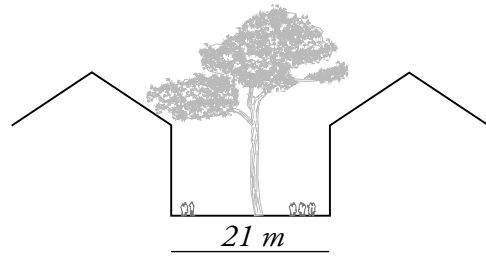


4. Ocean of Bushes





21 x 80 m

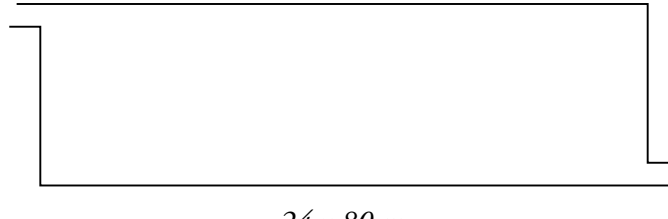


21 m

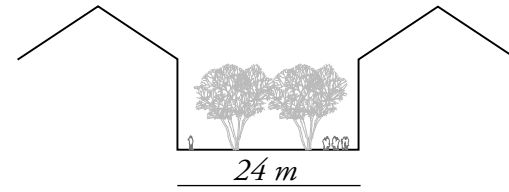


SQUARE DES BOULEAUX

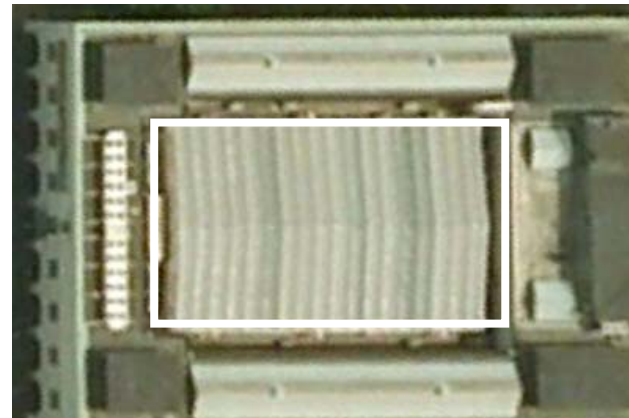
23 x 62 m



24 x 80 m

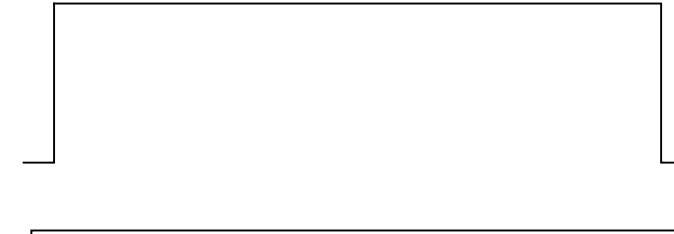


24 m

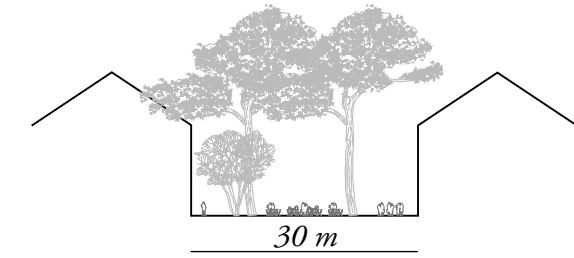


KUNSTMUSEUM BASEL

25 x 46 m



30 x 80 m



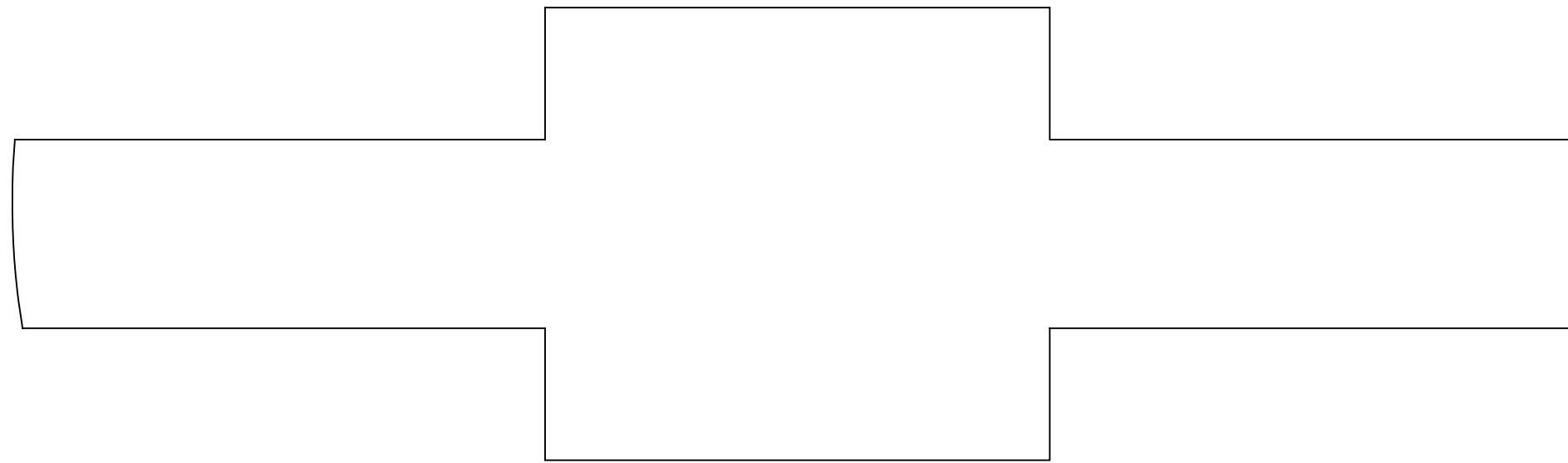
30 m



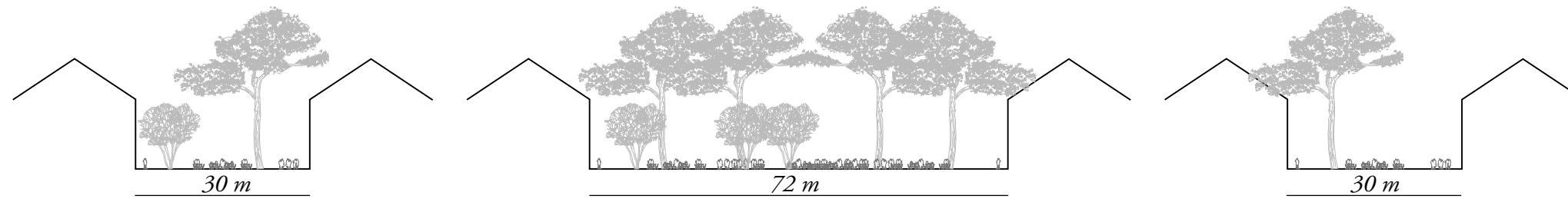
MOMA NYC

25 x 55 m

Courtyards in various sizes with different characters and a pleasant human scale.



30 / 72 x 250 m



30 m

72 m

30 m



HARVARD YARD

80 x 250 m



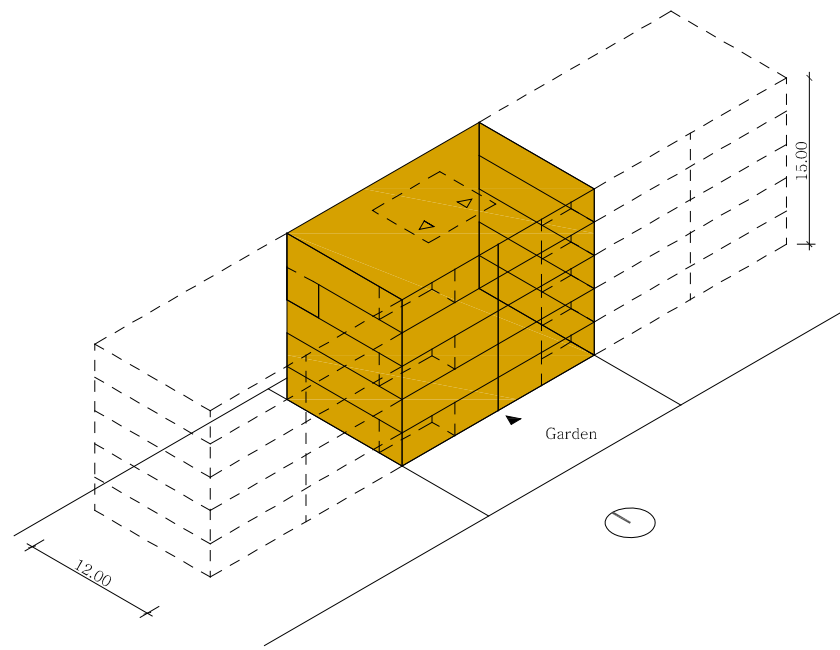
One representative large courtyard, similar in size to the famous Harvard Yard.

SIZE AND SCALE
COURTYARDS

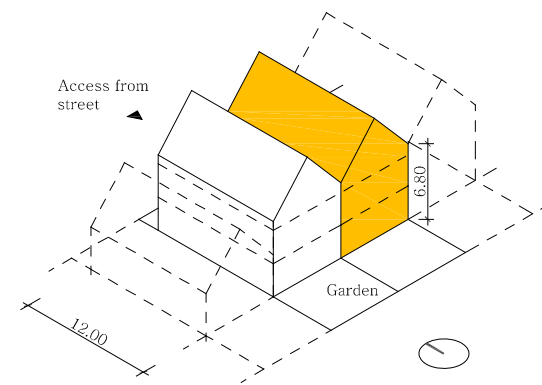


H O U S I N G

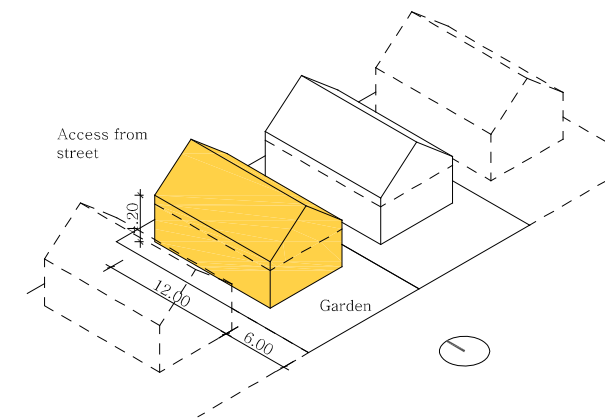




APARTMENTS
1254 UNITS



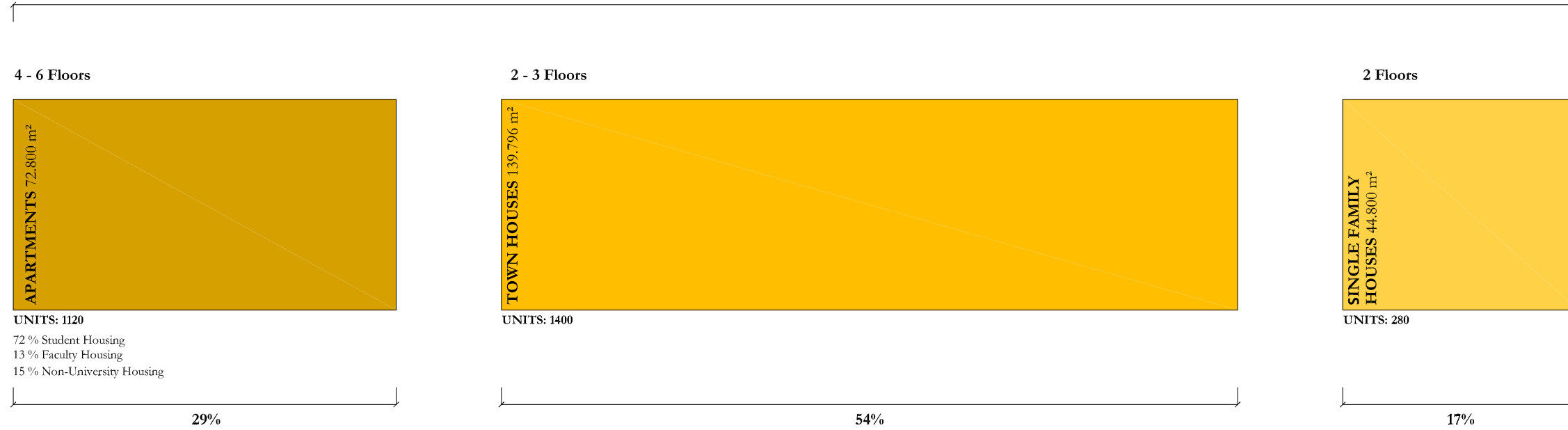
TOWNHOUSE
1250 UNITS



SINGLE FAMILY HOUSE
185 UNITS

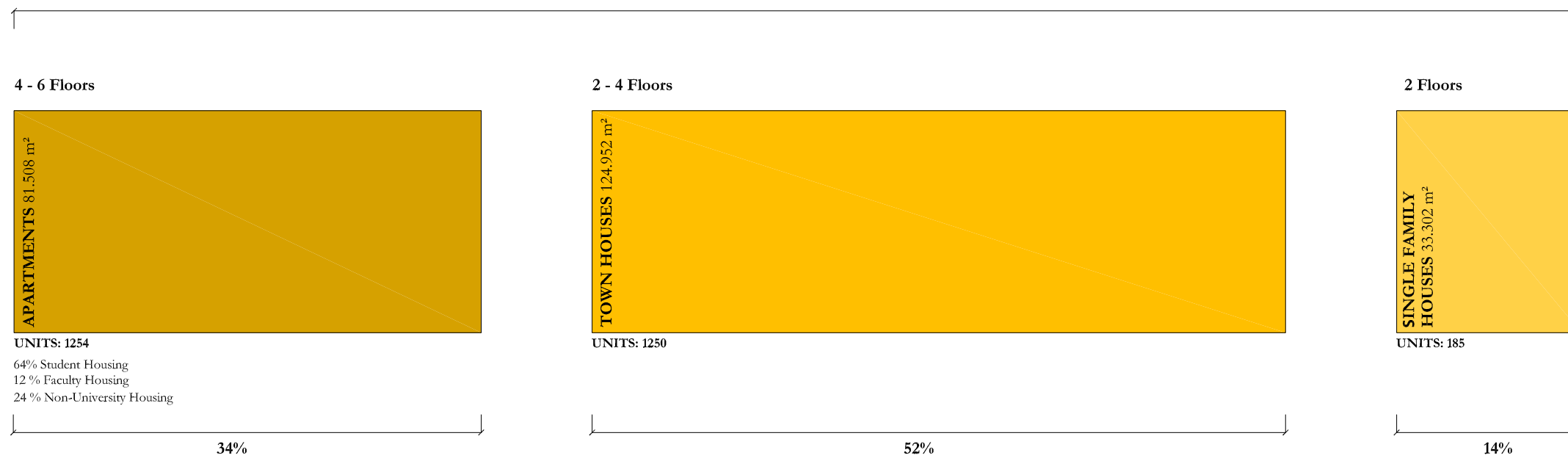
BRIEF:

RESIDENTIAL 257.396 m²

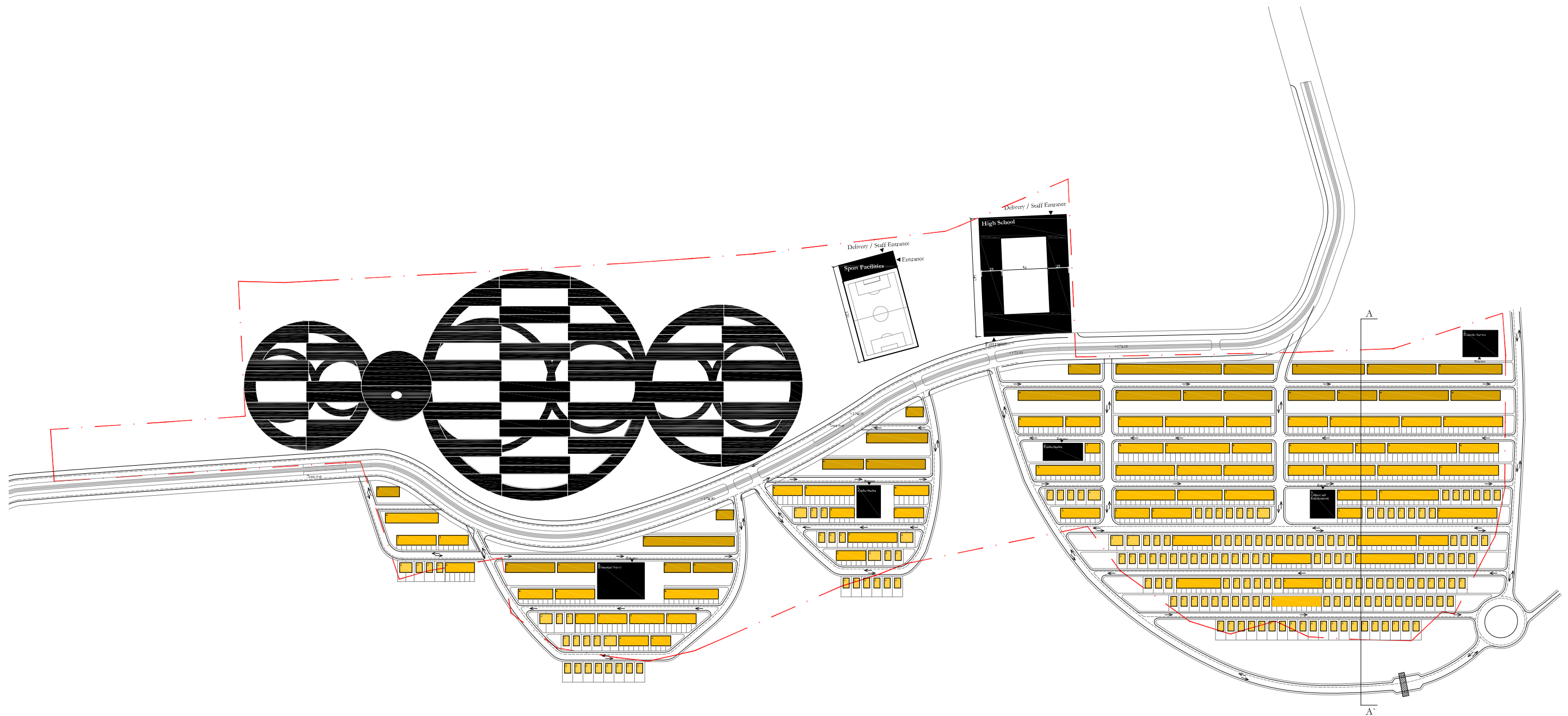


HdM PROPOSAL:

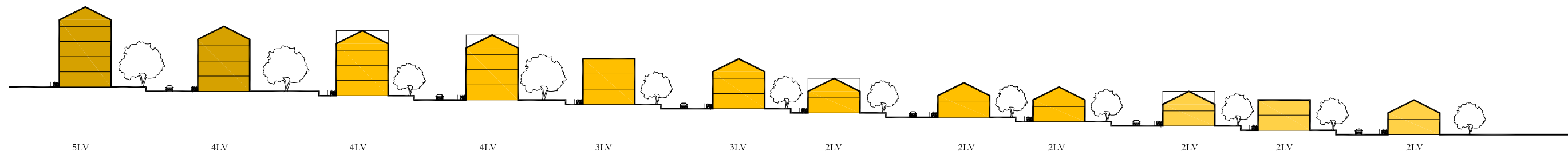
RESIDENTIAL 239.761 m²



HdM proposes a solution which respects the height and density limitations, this results in changes in the typology ratio and overall m2.

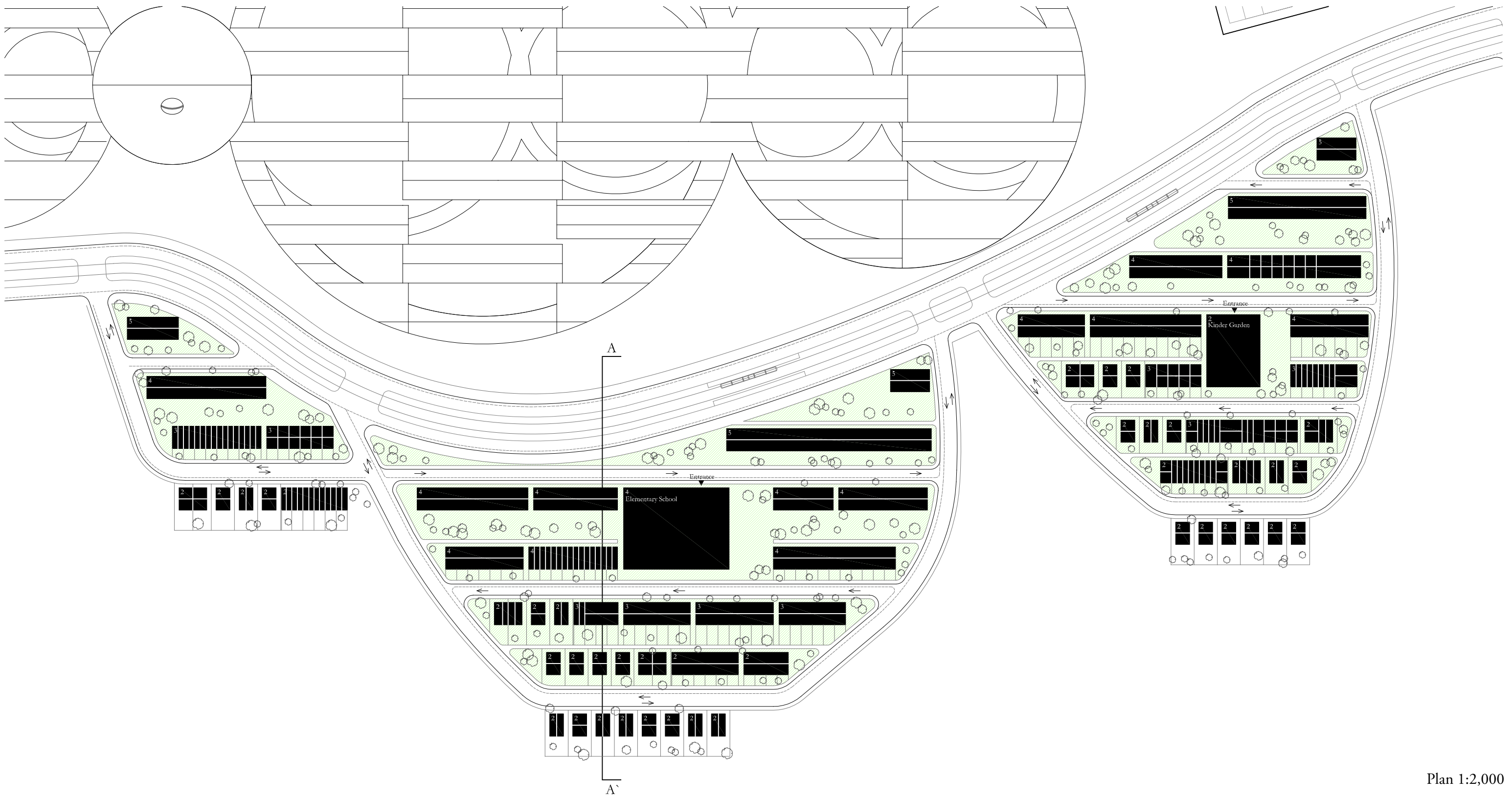


Plan 1:5,000

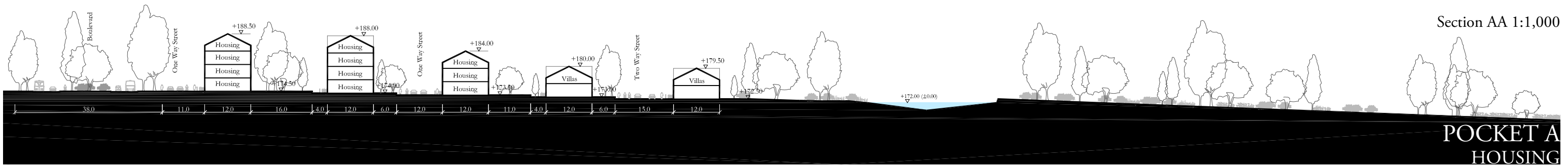


Section AA 1:1,000

Program Brief	: 257,396 m ²
HdM Proposal	: 239,761 m ²
Missing Area	: 17,635 m ²

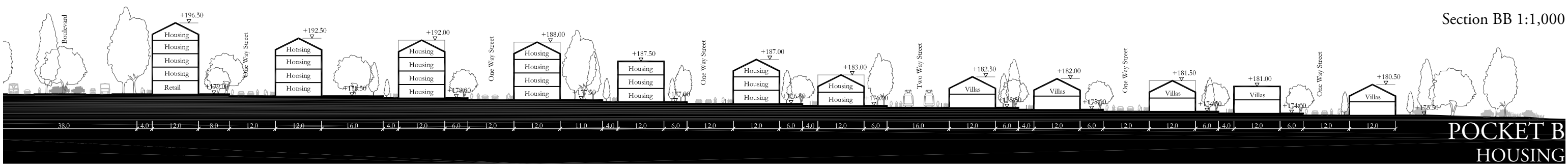
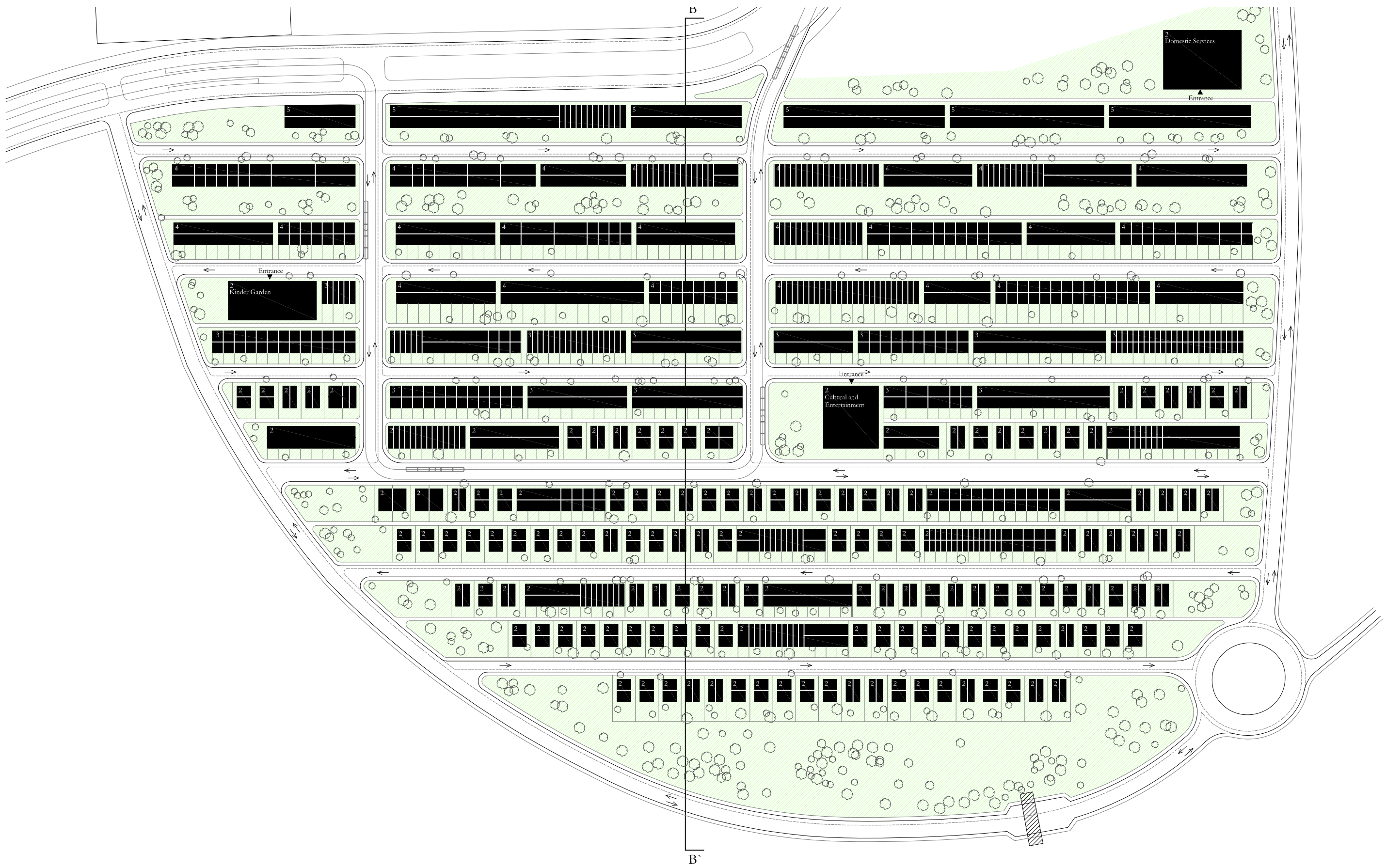


Plan 1:2,000

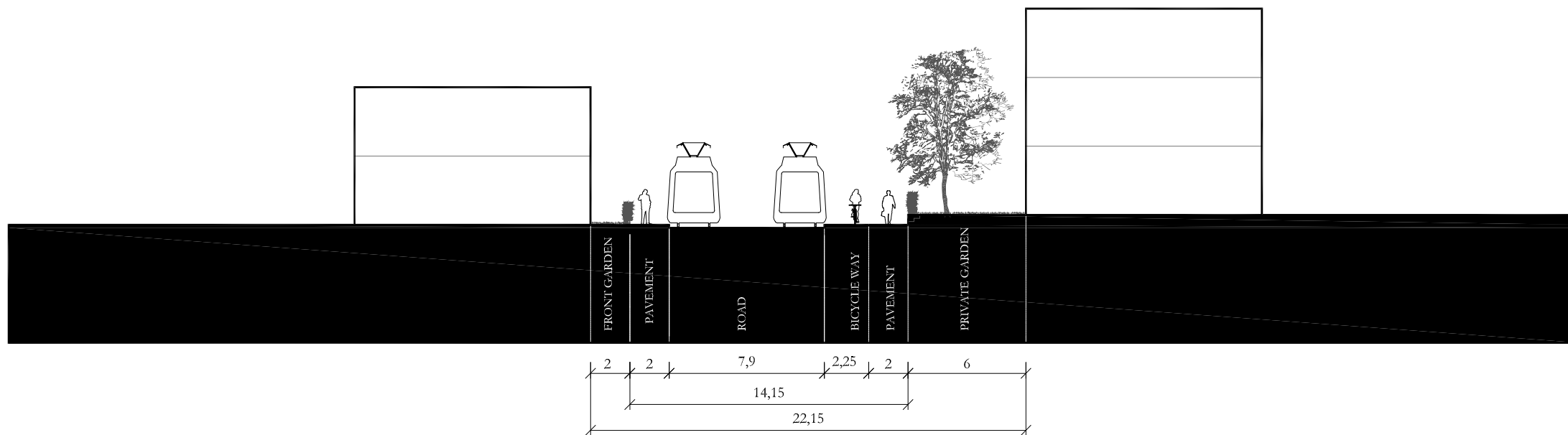


Section AA 1:1,000

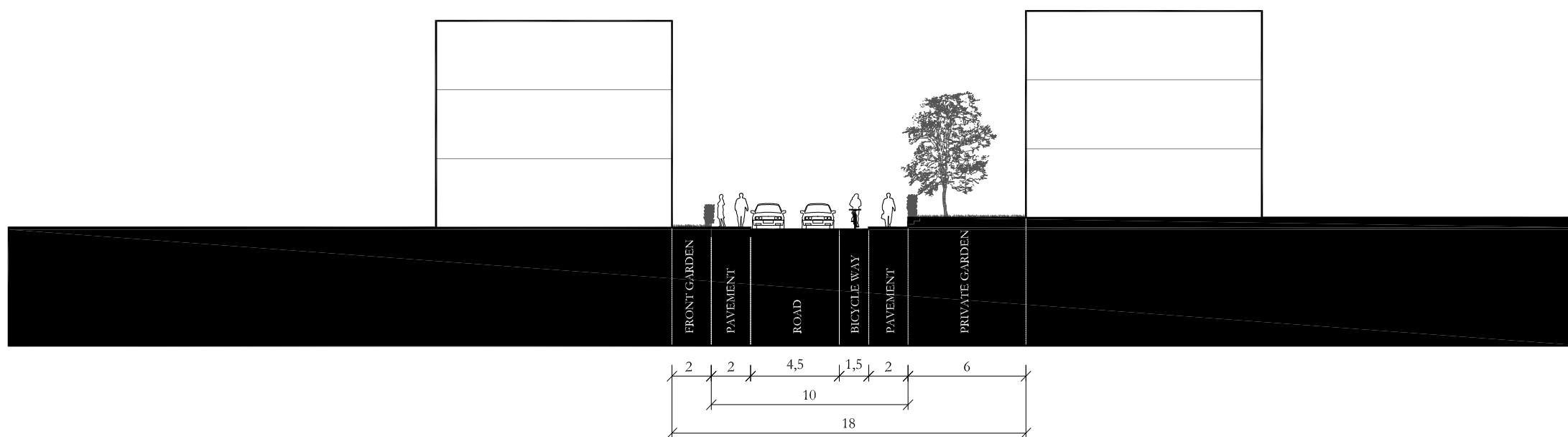
POCKET A
HOUSING



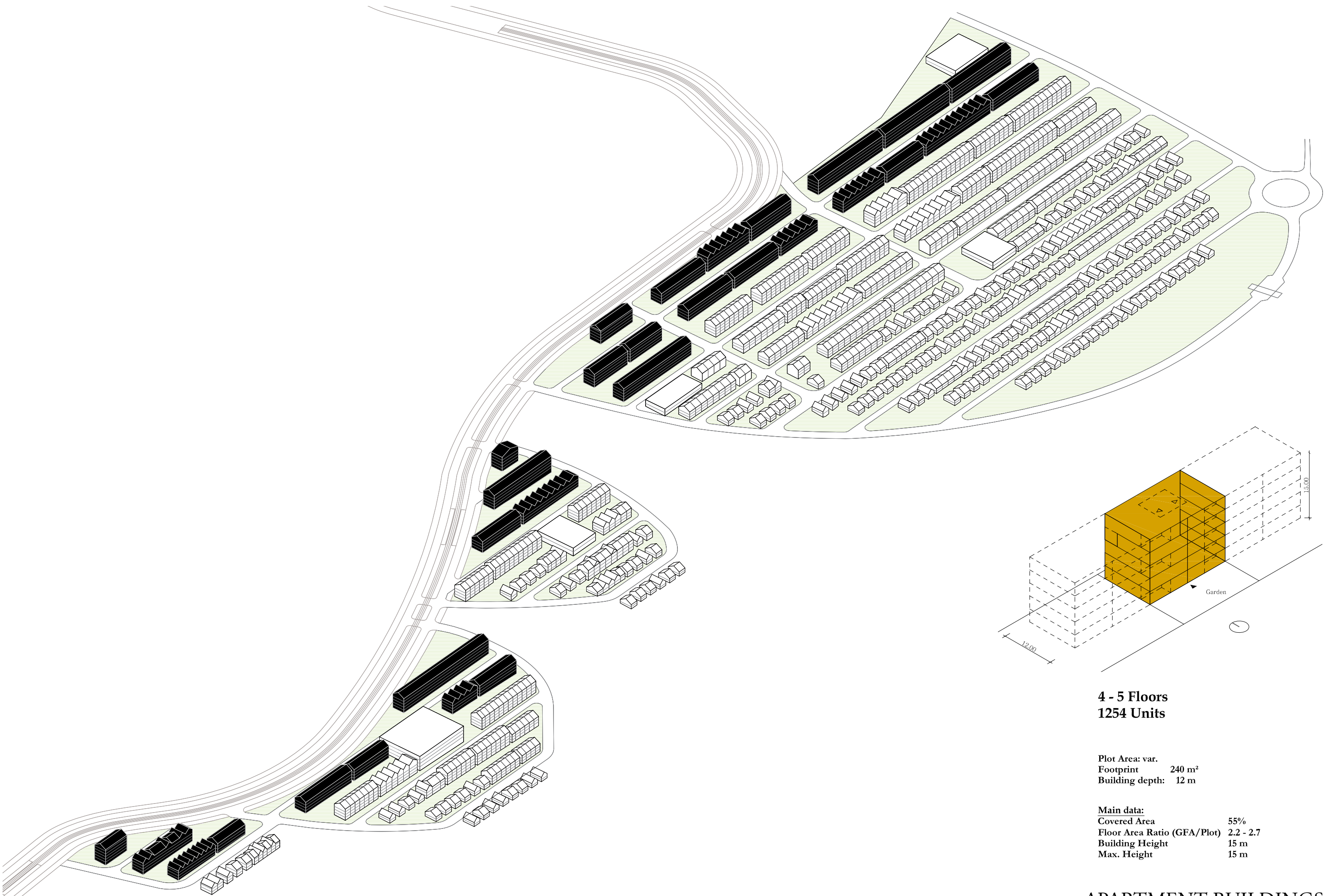
Section BB 1:1,000



TWO WAY LOCAL STREET



ONE WAY LOCAL STREET



4 - 5 Floors
1254 Units

Plot Area: var.
 Footprint 240 m²
 Building depth: 12 m

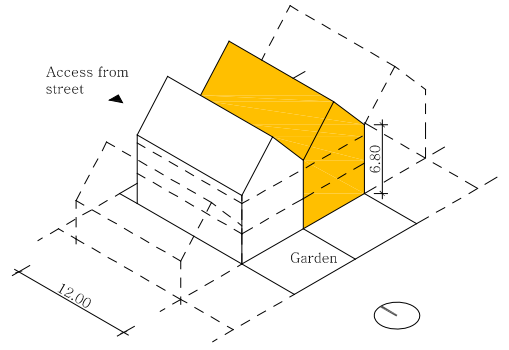
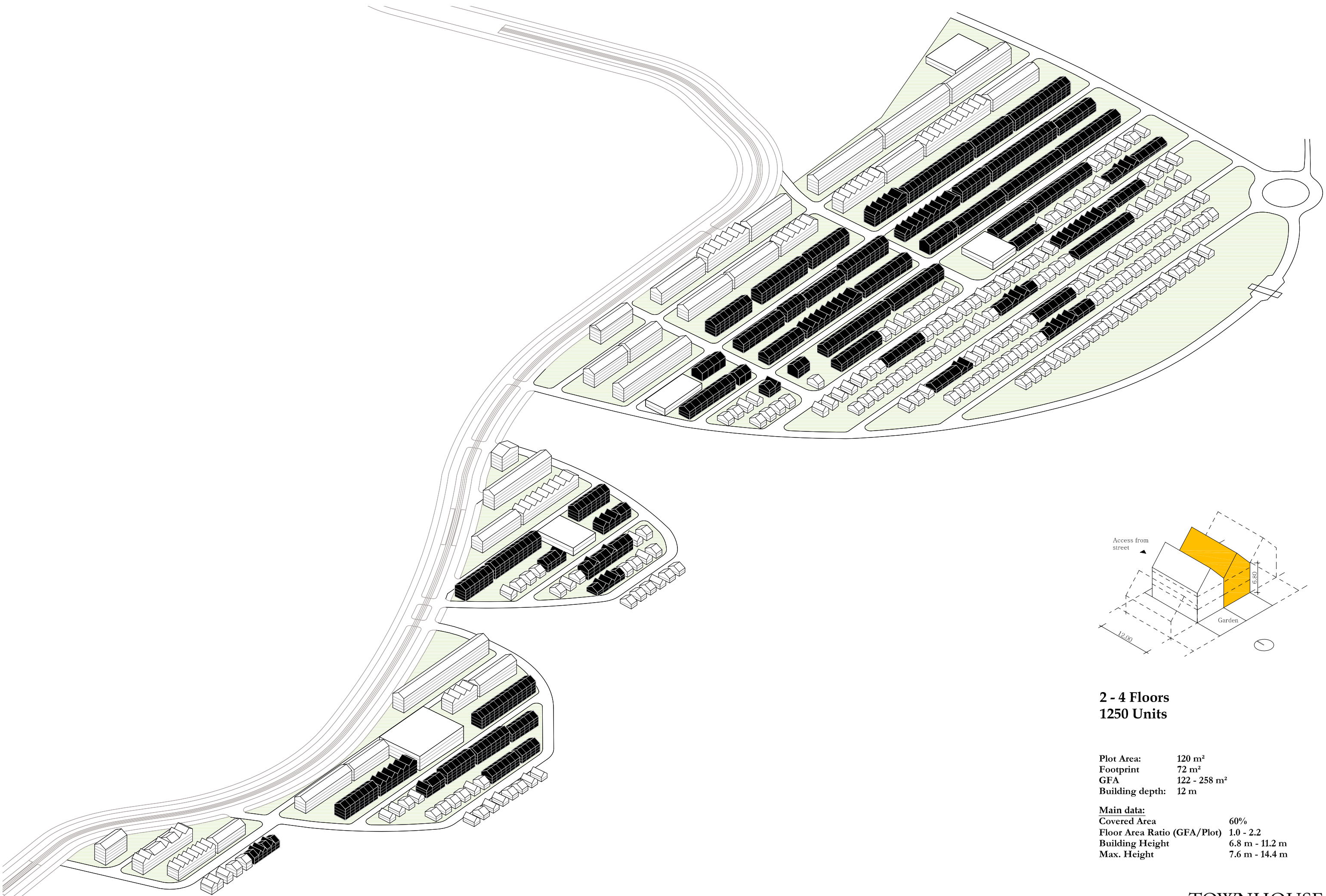
Main data:
 Covered Area 55%
 Floor Area Ratio (GFA/Plot) 2.2 - 2.7
 Building Height 15 m
 Max. Height 15 m



Rue des Suisses, Paris
Herzog & de Meuron



Apartments in Hebelstrasse
Herzog & de Meuron



**2 - 4 Floors
1250 Units**

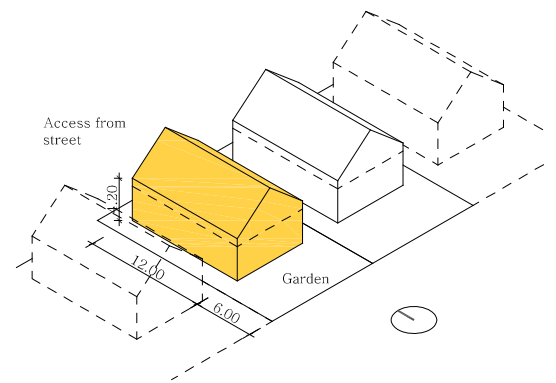
Plot Area:	120 m ²
Footprint	72 m ²
GFA	122 - 258 m ²
Building depth:	12 m
Main data:	
Covered Area	60%
Floor Area Ratio (GFA/Plot)	1.0 - 2.2
Building Height	6.8 m - 11.2 m
Max. Height	7.6 m - 14.4 m



Borneo Island
Amsterdam, Netherlands



Kartoffelrækkerne
Copenhagen, Denmark



**2 Floors
185 Units**

Plot Area: 250 m² - 312 m²
 Footprint 90 m²
 GFA 150 m²
 Building depth: 12 m

Main data:
 Covered Area 29% - 36%
 Floor Area Ratio (GFA/Plot) 0.5 - 0.6
 Building Height 4.2 m
 Max. Height 7.6 m

**SINGLE FAMILY HOUSE
HOUSING**



Residential Street
Copenhagen, Denmark



Forest Knolls
San Francisco

KEY DATA

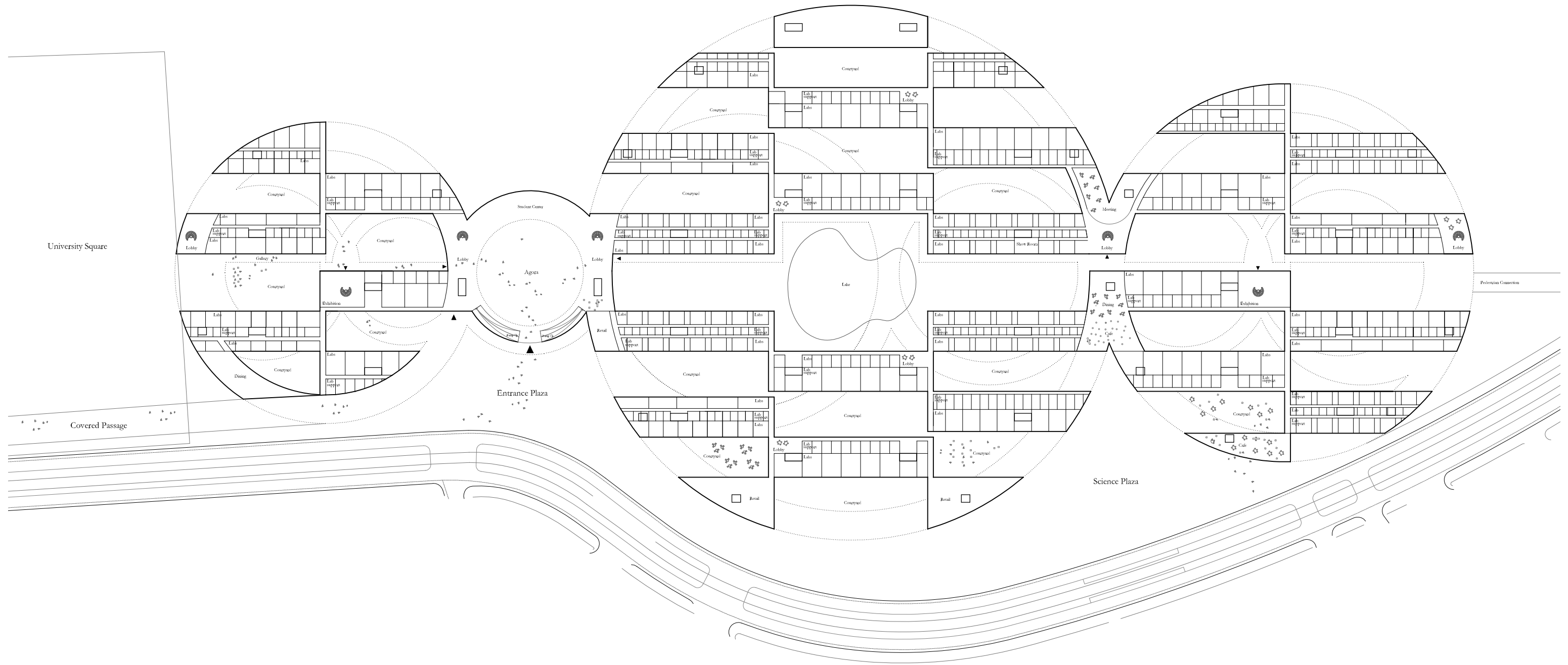
PROGRAM BRIEF

	Phase 1	Phase 2	Phase 1+2
UNIVERSITY			
Academic Programs	110'496	52'706	163'202
Academic Support	10'971	3'784	14'755
Auxiliary	2'390	0	2'390
TOTAL	123'857	56'490	180'347
POST STARTUPS TOTAL			
TOTAL	27'375	0	27'375
RESIDENTIAL			
Single family houses	14'586	29'171	44'800
Town houses	24'024	48'047	139'796
Appartments	46'331	92'661	72'800
TOTAL	85'799	171'595	257'396
RETAIL AND SERVICES + SOCIAL INFRASTRUCTURE			
Retail	3'720	1'860	5'580
Cultural and Entertainment	1'850	1'183	3'033
Domestic services	1'000	2'000	3'000
Kindergartens	4'000	0	4'000
Preliminary school	10'000	0	10'000
Family doctors	1'000	0	1'000
TOTAL	21'570	5'043	26'613
SPORTS + HIGH SCHOOL			
Sports and recreational	16'967	3'353	20'320
High school	60'000	0	60'000
TOTAL	76'967	3'353	80'320
<hr/>			
TOTAL	308'193	236'481	572'051

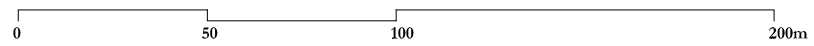
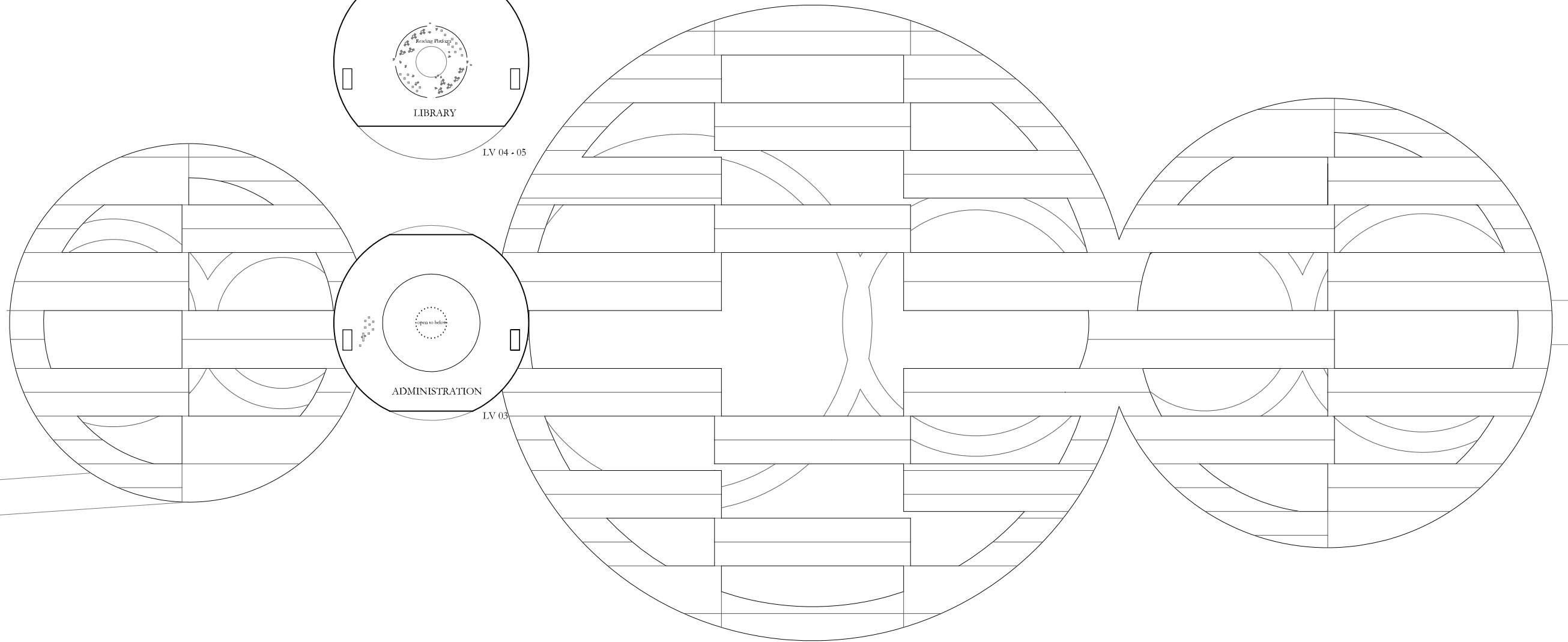
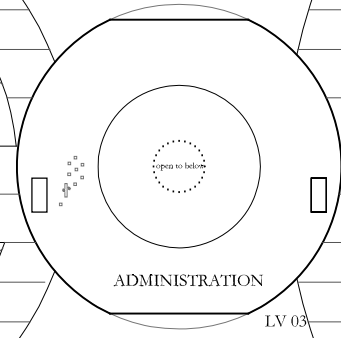
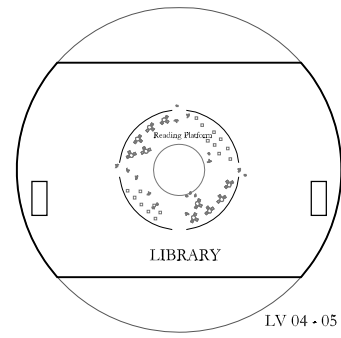
PROGRAM KALEIDOSCOPE

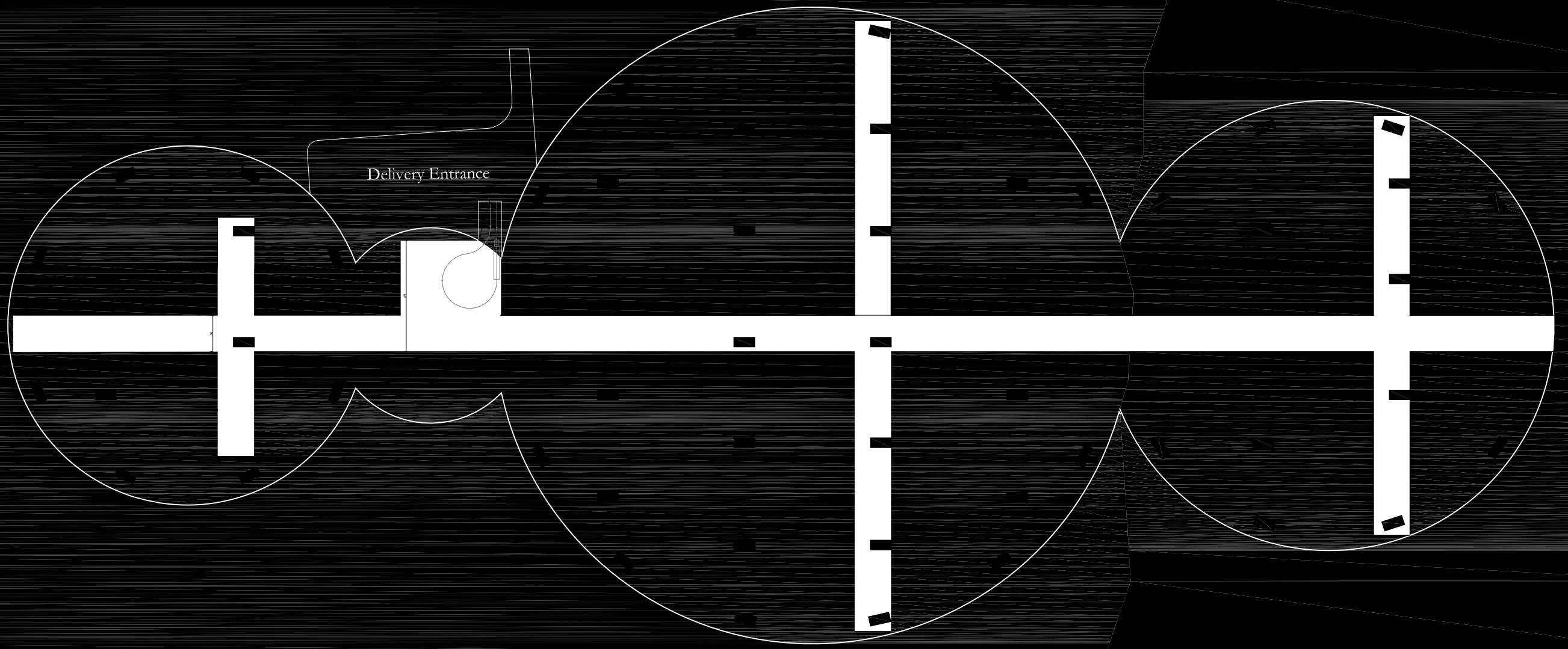
	Phase 1	Phase 2	Phase 1+2
UNIVERSITY			
Academic Programs	105'937	52'885	158'823
Academic Support	10'130	4'235	14'364
Auxiliary	2'333	0	2'333
TOTAL	118'400	57'120	175'520
POST STARTUPS TOTAL			
TOTAL	26'607	0	26'607
RESIDENTIAL			
Single family houses	12'101	21'201	33'302
Town houses	44'946	80'006	124'952
Appartments	29'388	52'120	81'508
TOTAL	86'435	153'327	239'761
RETAIL AND SERVICES + SOCIAL INFRASTRUCTURE			
Retail	3'750	1'950	5'700
Cultural and Entertainment	2'055	1'240	3'295
Domestic services	1'145	2'150	3'295
Kindergartens	3'260	1'050	4'310
Preliminary school	9'865	0	9'865
Family doctors	960	400	1'360
TOTAL	21'035	6'790	27'825
SPORTS + HIGH SCHOOL			
Sports and recreational	16'900	2'500	19'400
High school	60'000	0	60'000
TOTAL	76'900	2'500	79'400
<hr/>			
TOTAL	302'770	219'737	549'113

APPENDIX I
UNIVERSITY PLANS

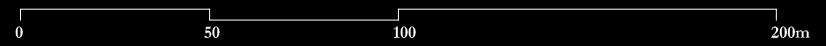


The University has a series of access points - continuations of the courtyards inside. These increase the permeability of the building and diversify the connections between the interior courtyards and the surrounding areas; the University becomes an open structure, welcoming students and faculty, as well as the entire community and guests of Skolkovo.





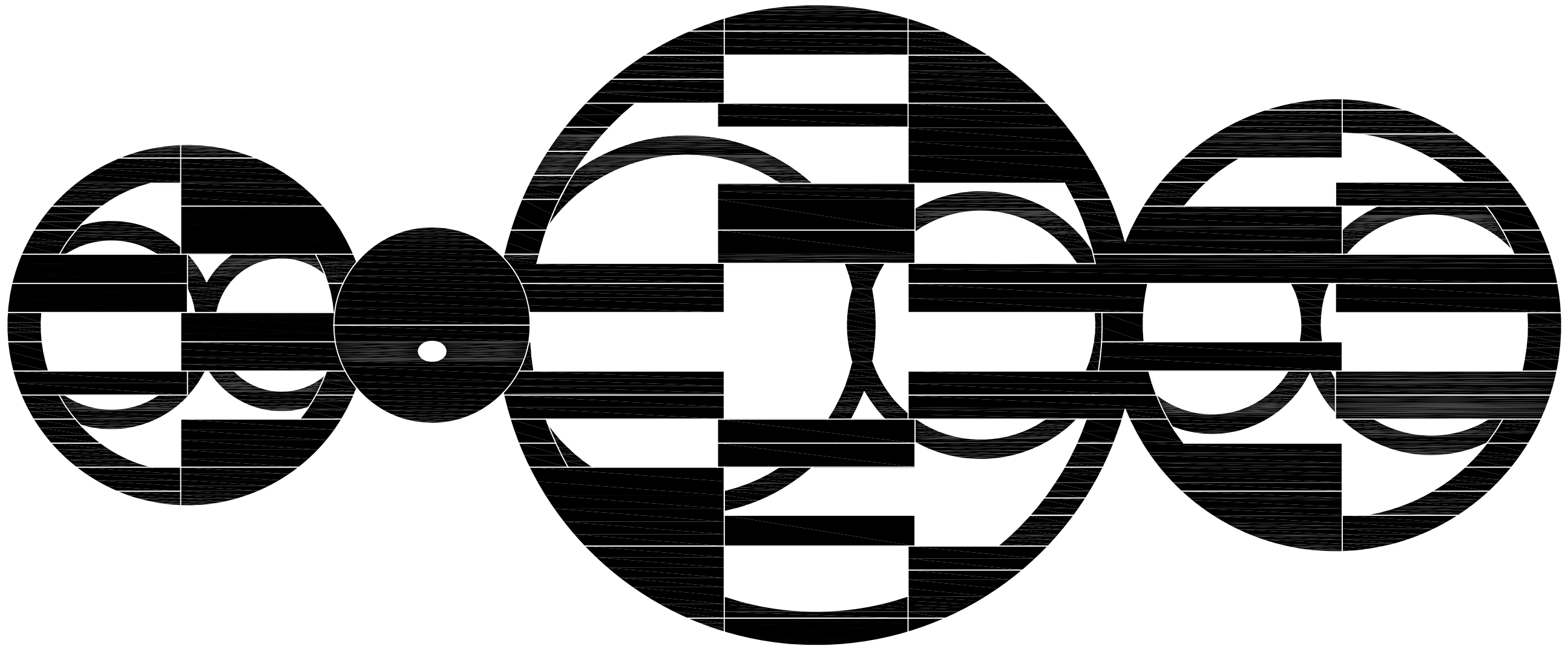
Delivery Entrance



1:2.000 @ A3

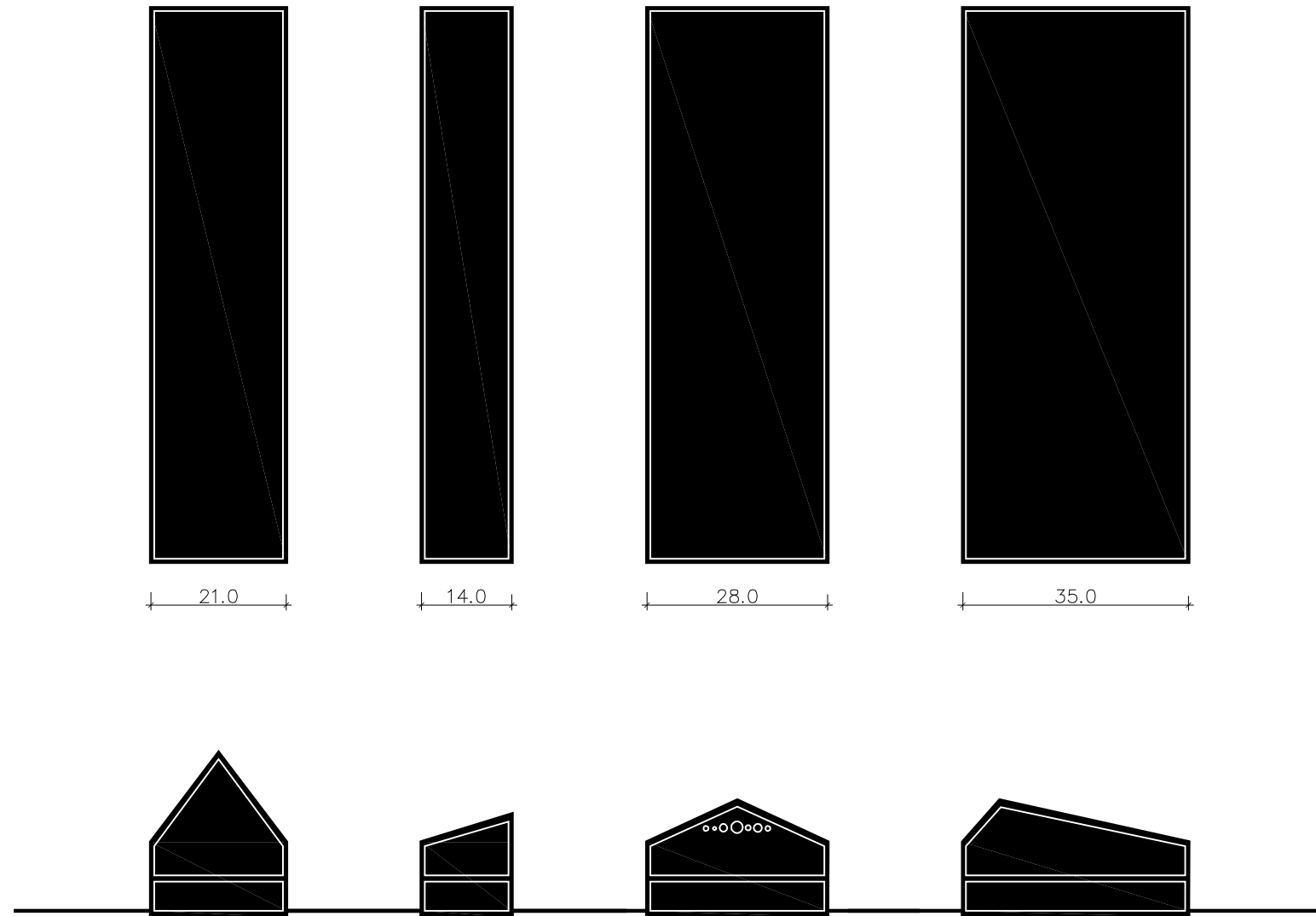
LEVEL -01

APPENDIX II
UNIVERSITY EXPLANATORY DIAGRAMS

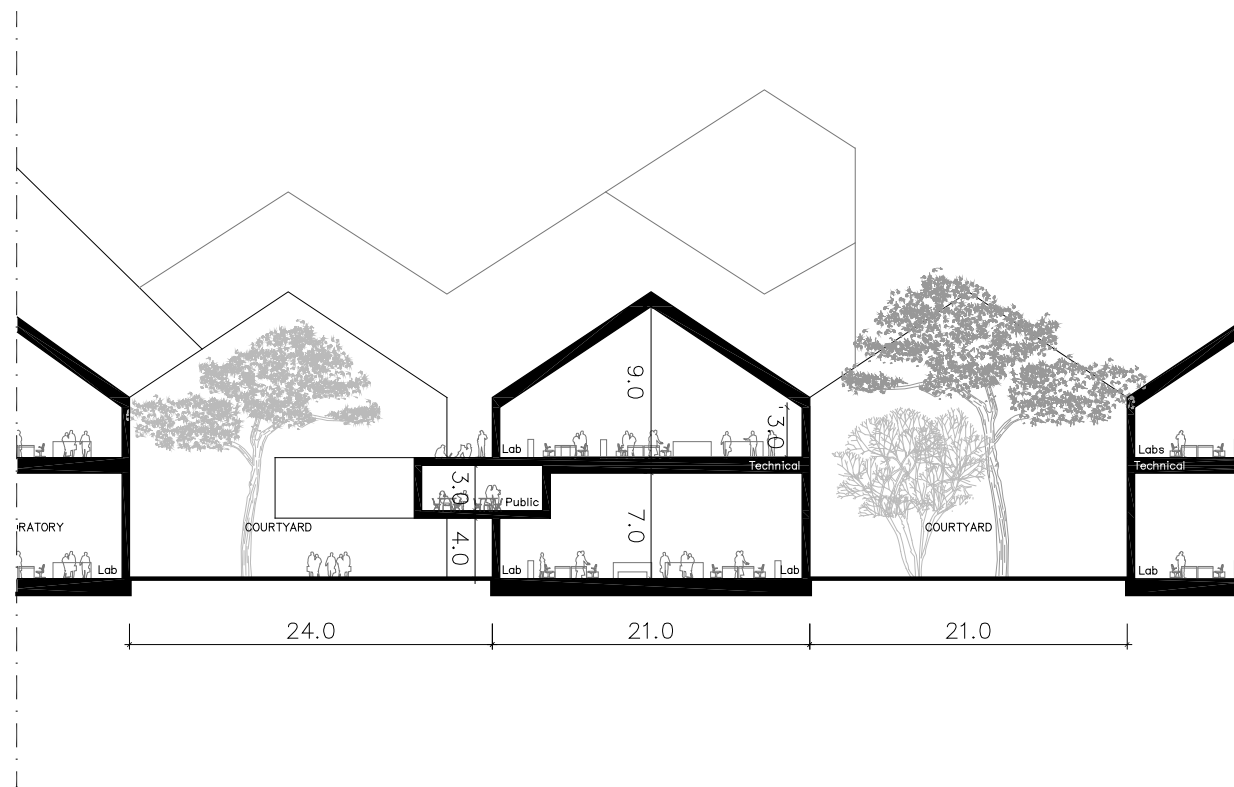


In the next phase, the University layout will acquire further diversity and specificity both in terms of layout and silhouette.
These will follow the implementation of the program zones in the institute and the specific dimensions and diverse
silhouettes of laboratories, offices, class rooms and public areas.

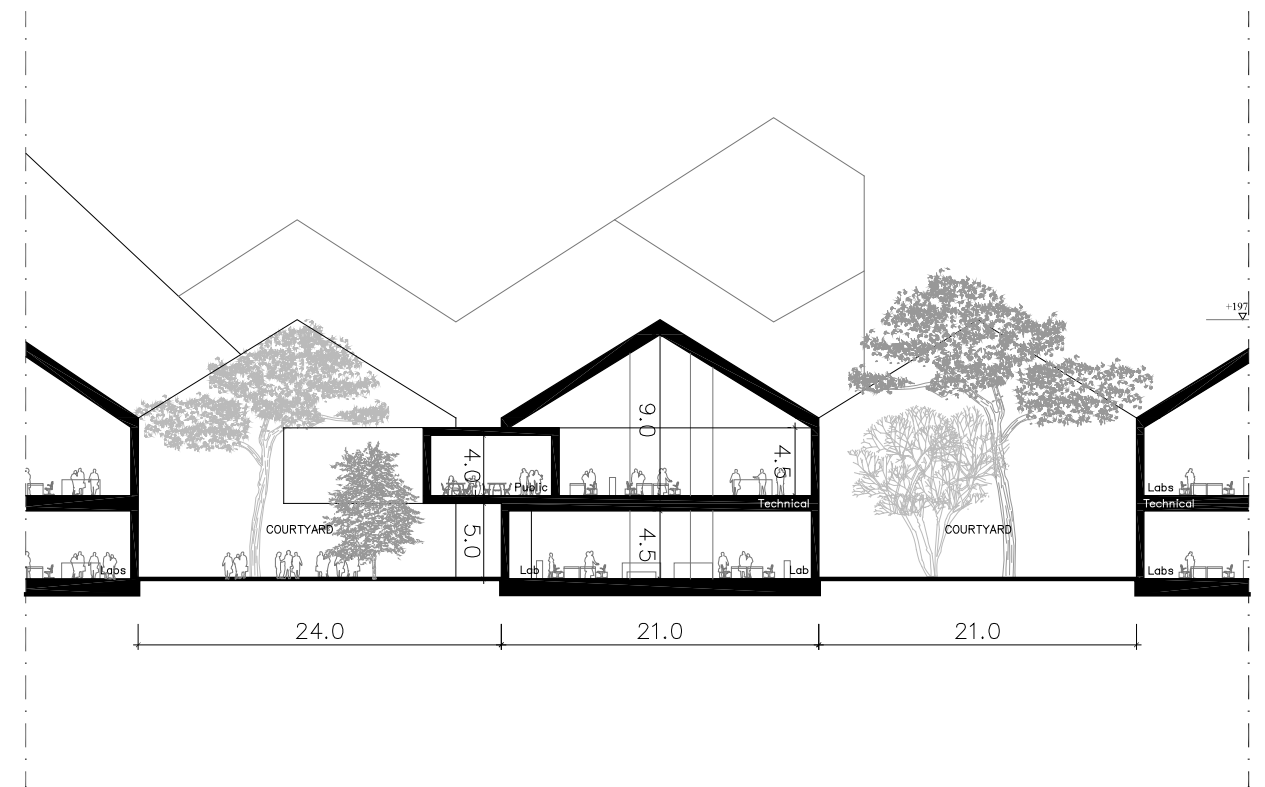
FLEXIBILITY TO ADAPT TO PROGRAM REQUIREMENTS
EXPLANATORY DIAGRAMS



ROOF INCLINATION CAN VARY ACCORDING TO PROGRAMMATIC NEEDS
EXPLANATORY DIAGRAMS

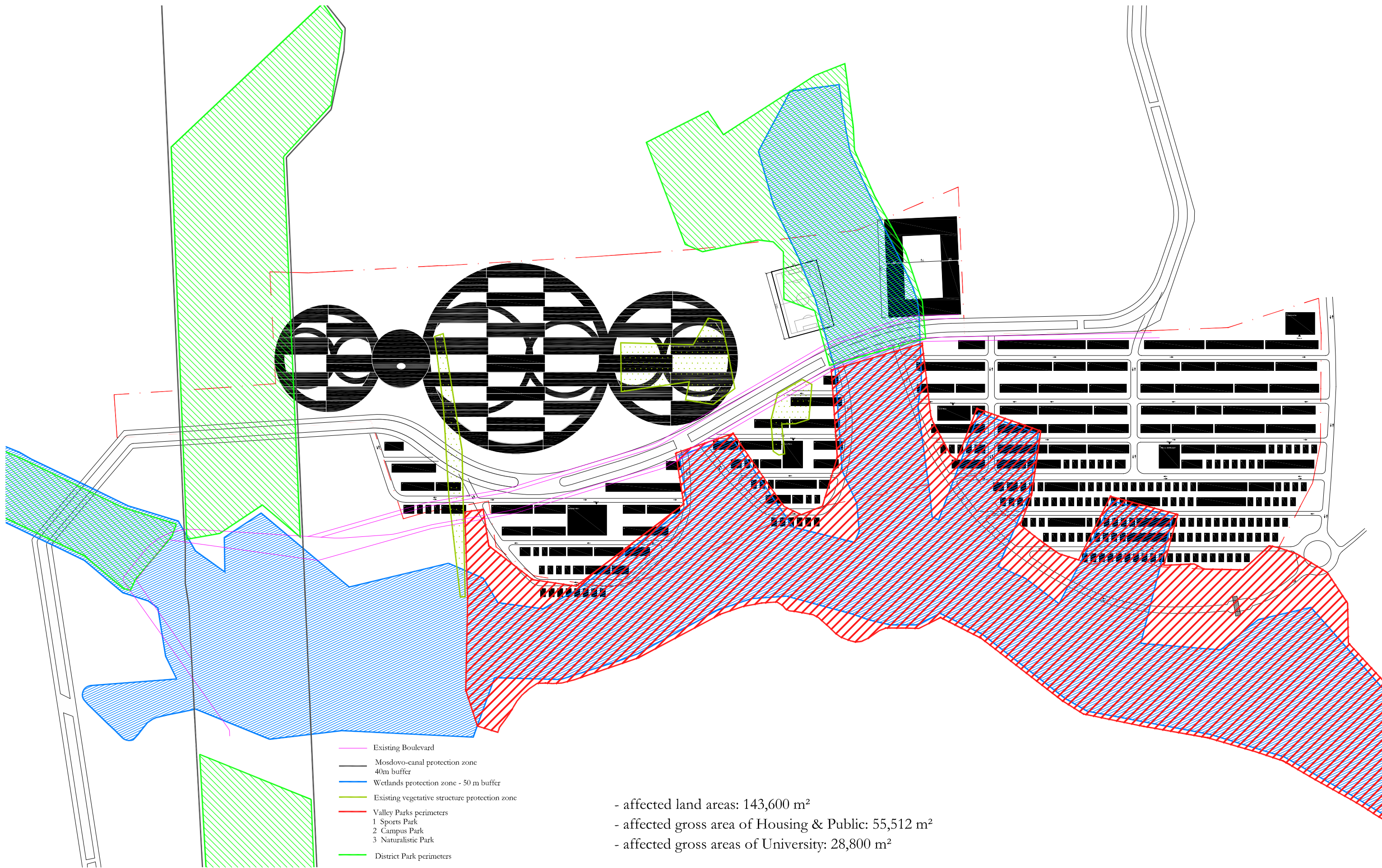


TOO MUCH HIGH BAY SPACES



OPTIMAL HEIGHT

APPENDIX IV
EXCLUSION ZONES



On 6.10.2011 we received a map showing updated exclusion zones, related to existing natural and infrastructural features in the project area. Due to time constraints and need of further clarification on the status of these zones, they have not been considered in the current proposal.

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