



**Annex: Timisoara – Urban Drawings Drawings v**

Catalyst Layers



Figure 1 Transport Layer

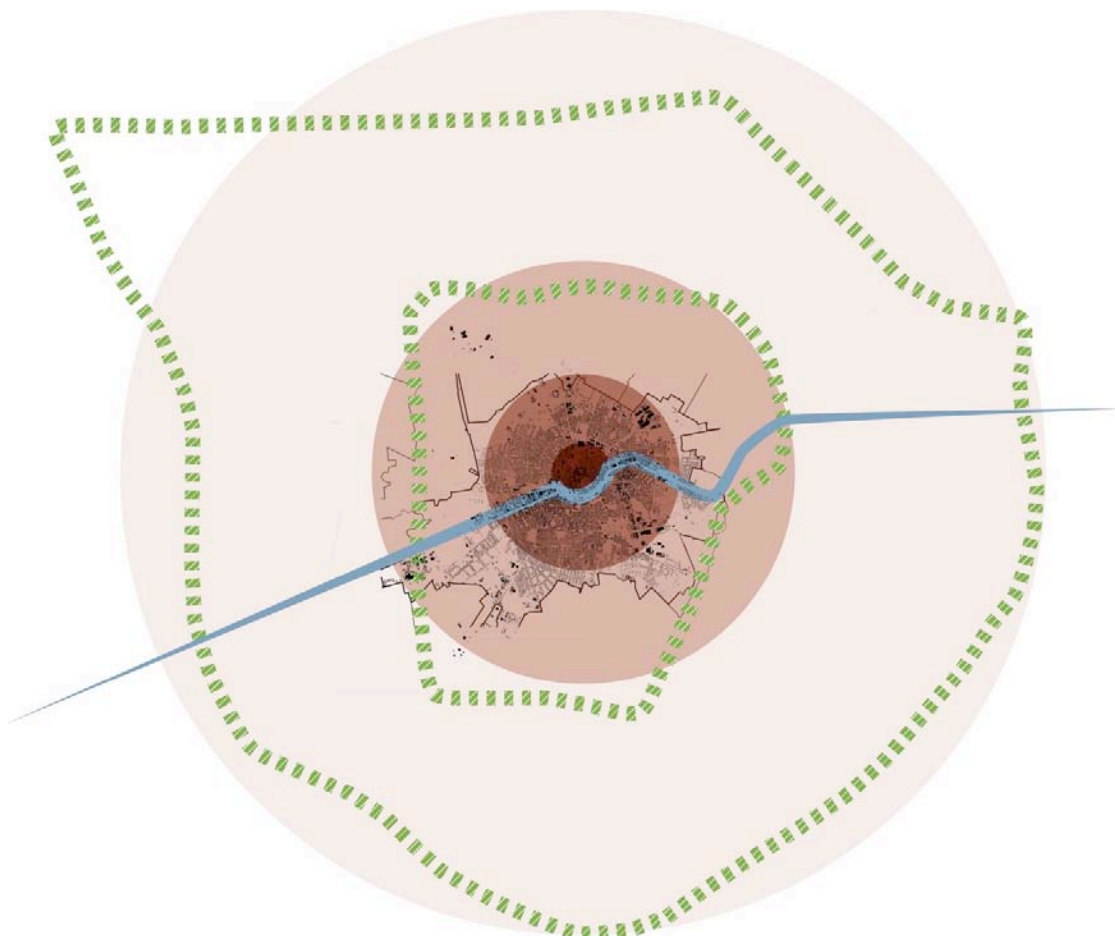


Figure 2 Void Rural Layer



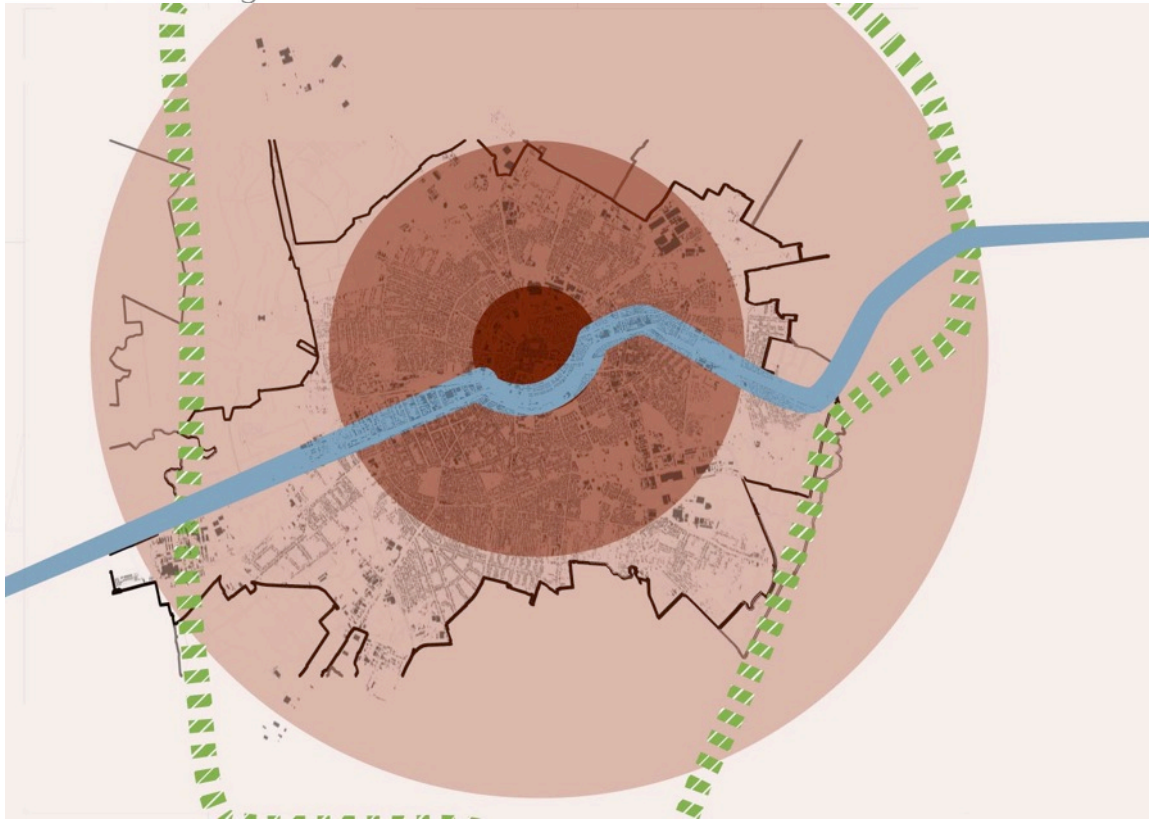


Figure 3 Void City Layer Scale

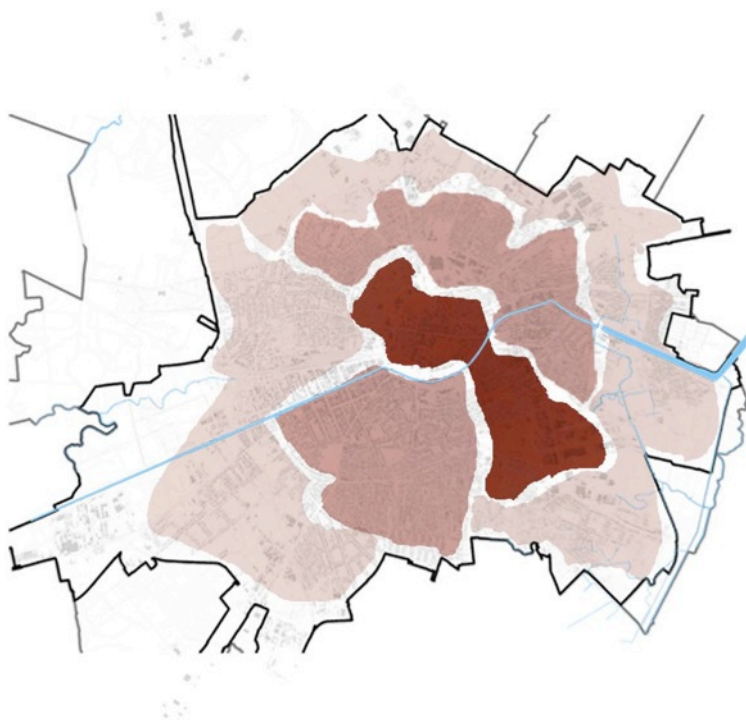


Figure 4 Functionality



Figure 5 Volume Layer

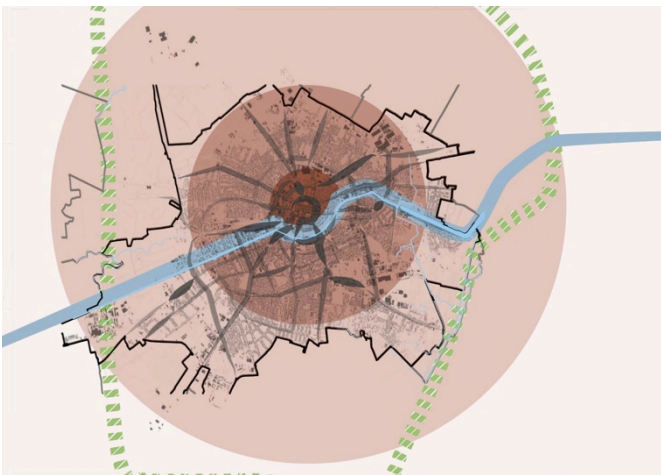


Figure 6 Transport and Void Layers



Figure 7 Transport and Functionality Layers





Figure 8 Transport and Volume Layers

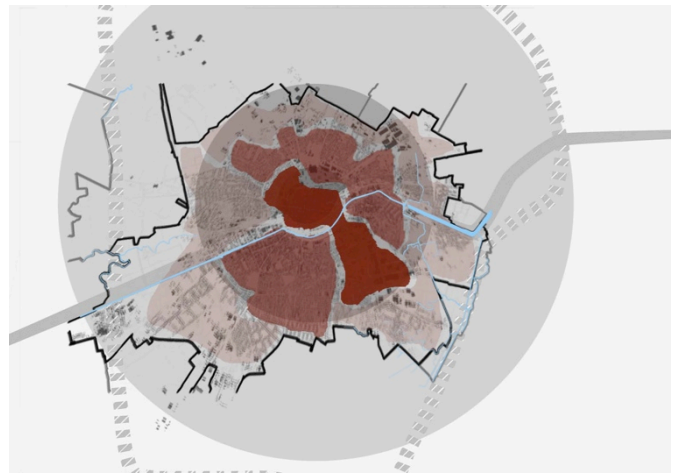
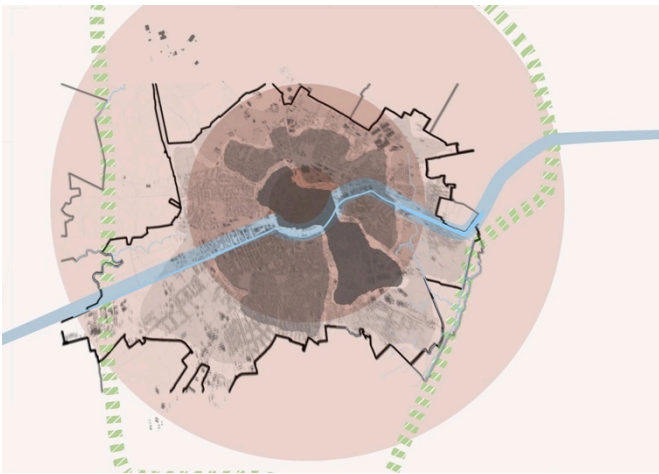


Figure 9 Voids and Functionality Layers

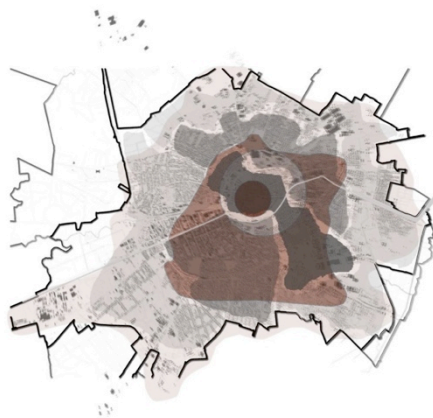


Figure 10 Functionality and Volume Layers

Intermediate – Defining the Intermediate area.



Figure 11 Historical Areas

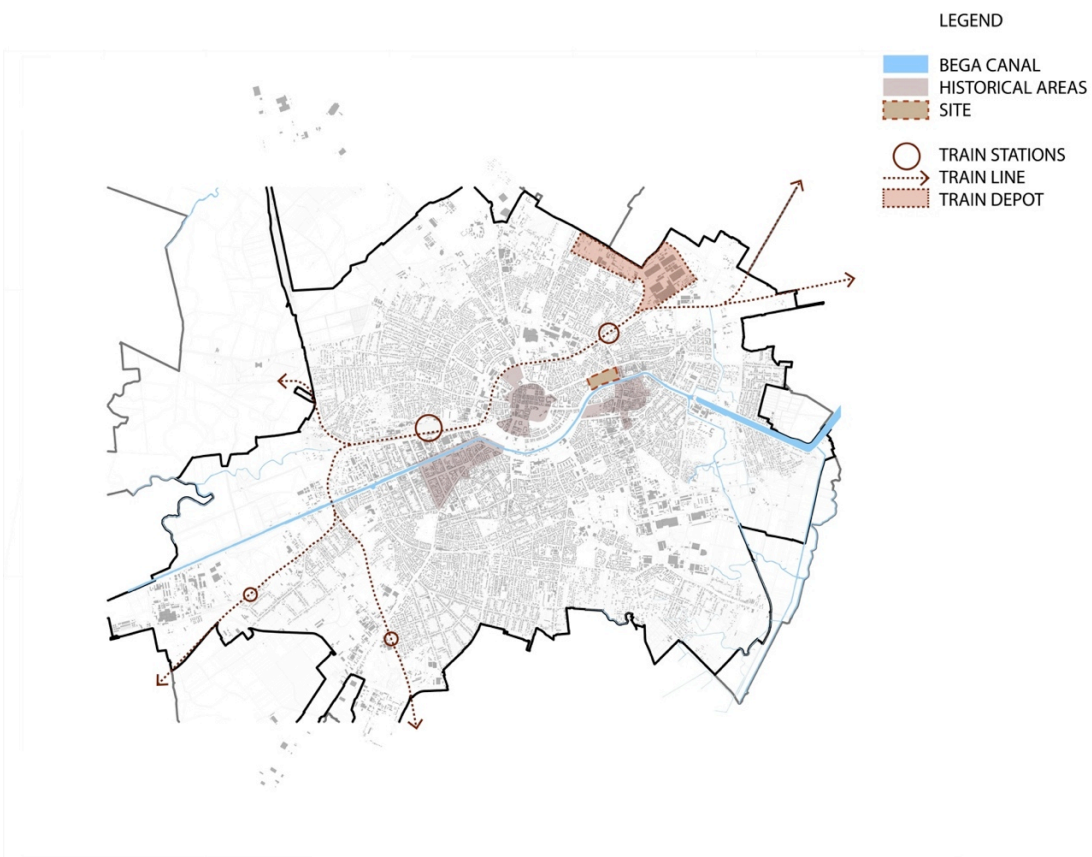


Figure 12 Train Station

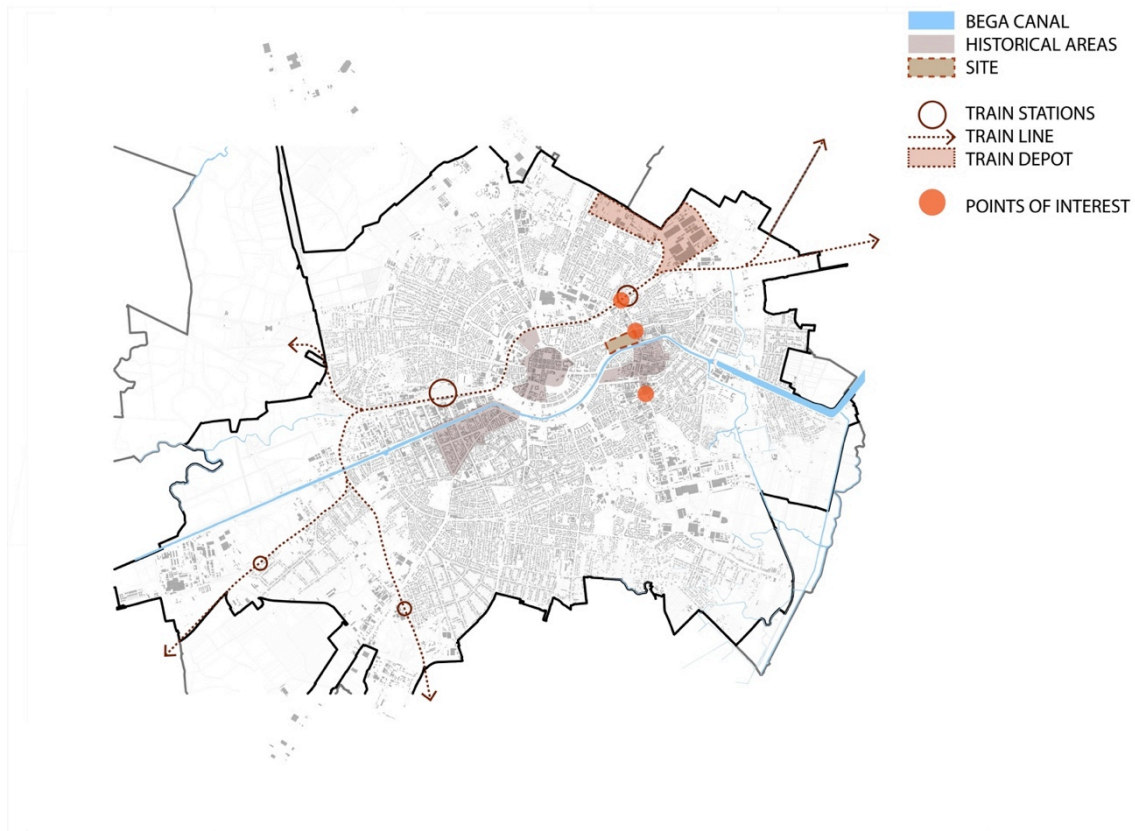


Figure 13 Initial Points of Interest

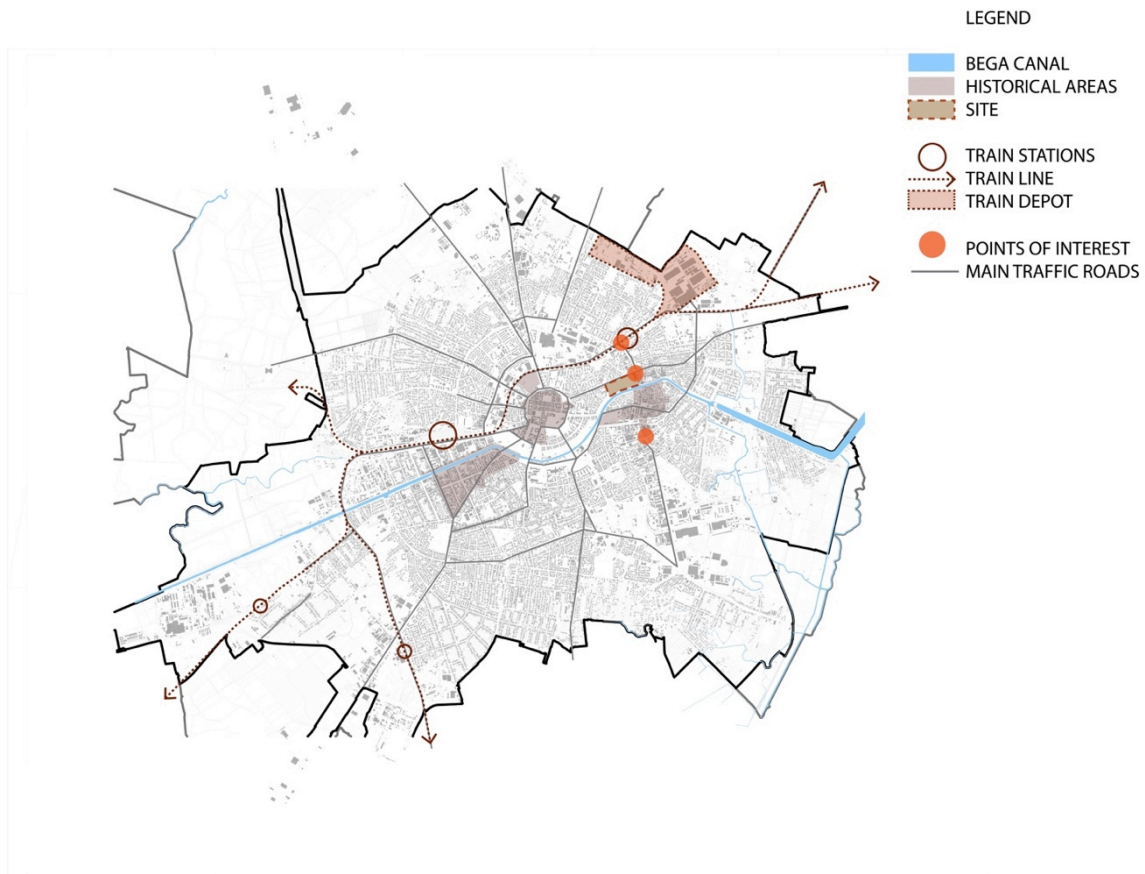


Figure 14 Main Traffic Roads



LEGEND

- BEGA CANAL
- HISTORICAL AREAS
- SITE
- TRAIN STATIONS
- TRAIN LINE
- TRAIN DEPOT
- POINTS OF INTEREST
- MAIN TRAFFIC ROADS
- ENCOMPASSING ZONE



Figure 15 Encompassing Zone (Initial points)

LEGEND

- BEGA CANAL
- HISTORICAL AREAS
- SITE
- TRAIN STATIONS
- TRAIN LINE
- TRAIN DEPOT
- POINTS OF INTEREST
- MAIN TRAFFIC ROADS
- ENCOMPASSING ZONE

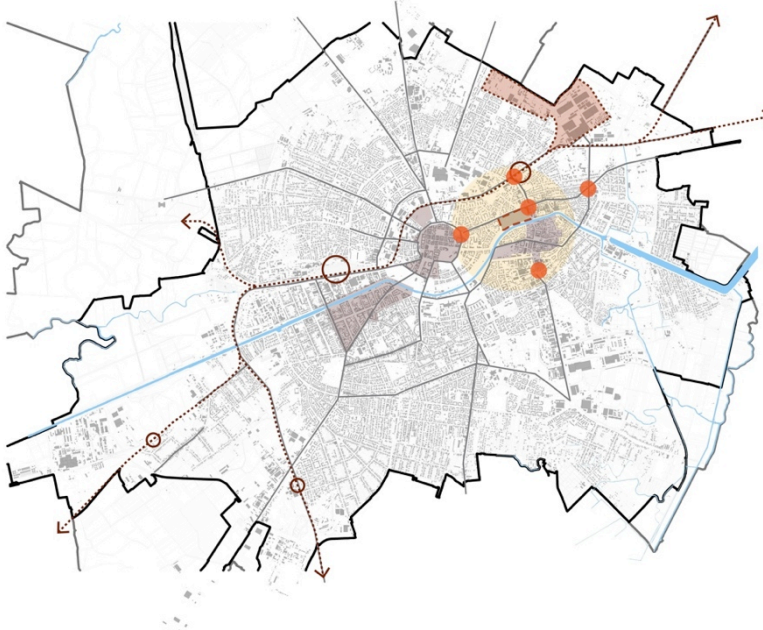


Figure 16 Encompassing Zone (secondary points)

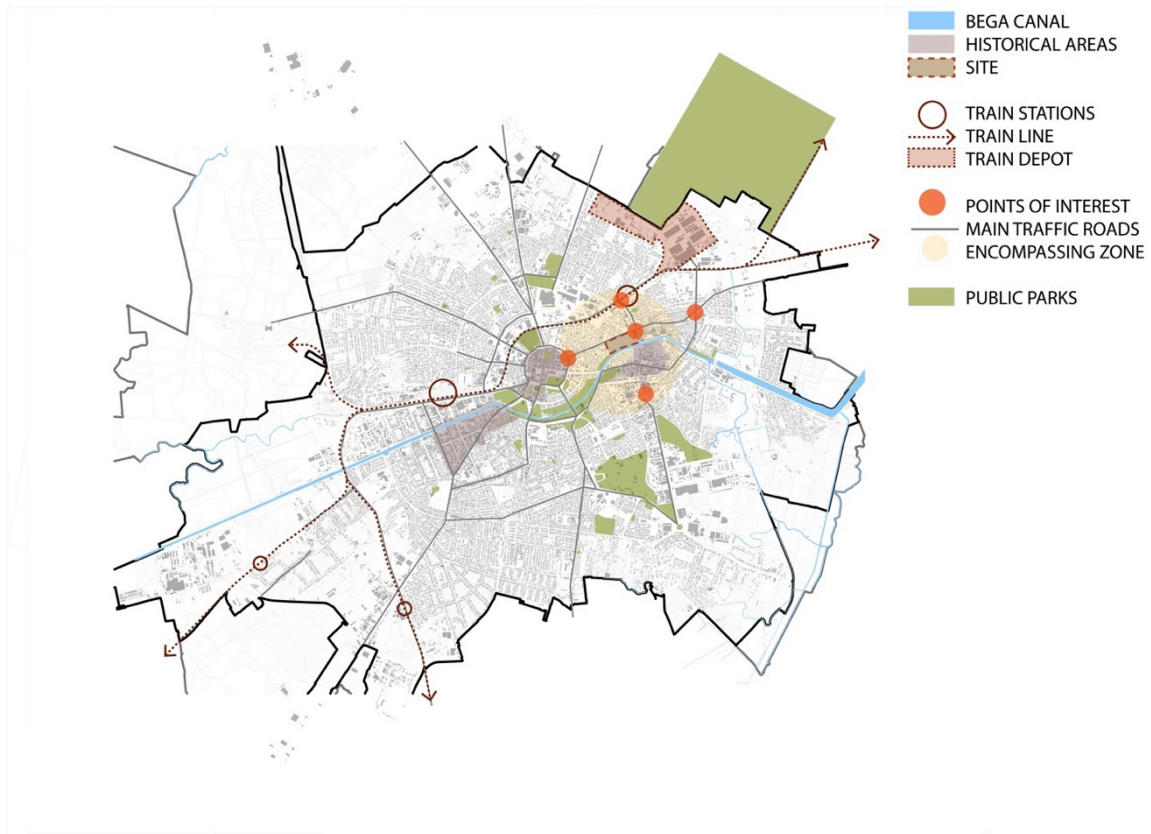


Figure 17

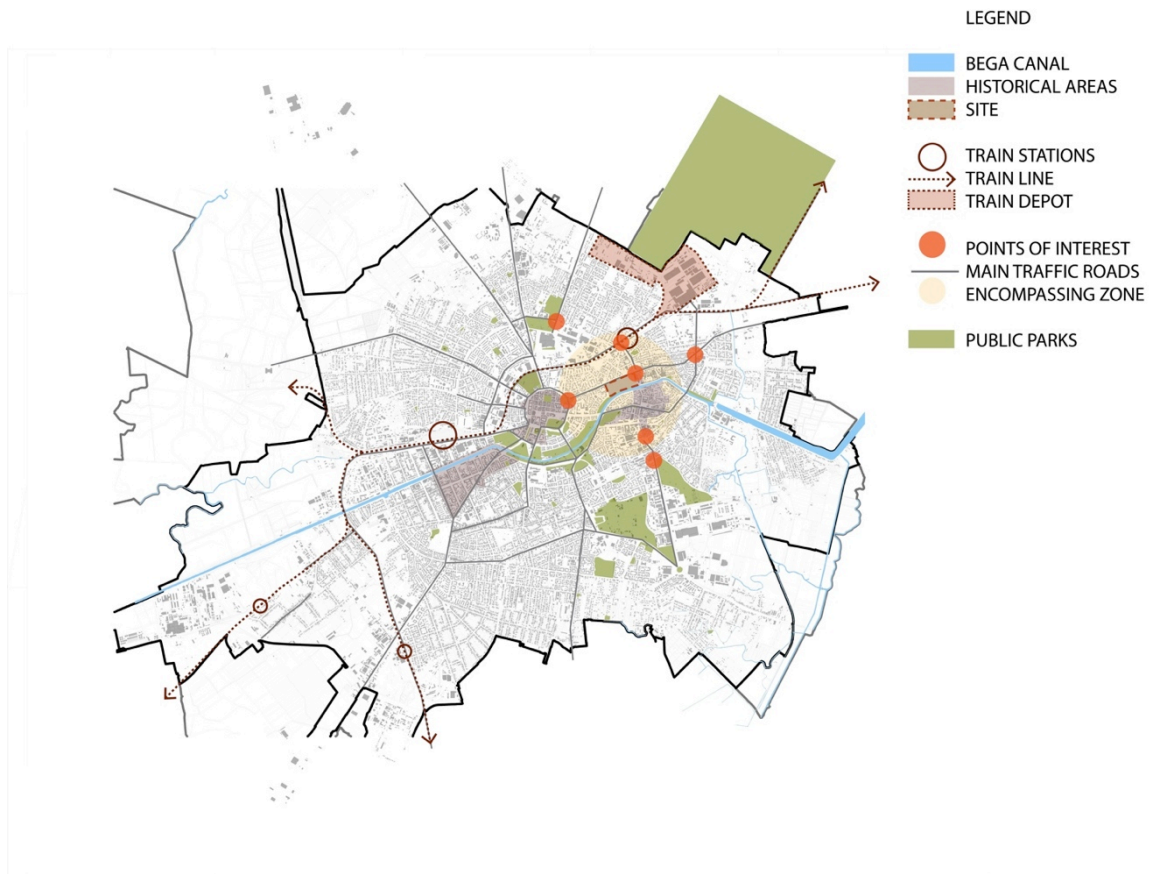


Figure 18 Public parks



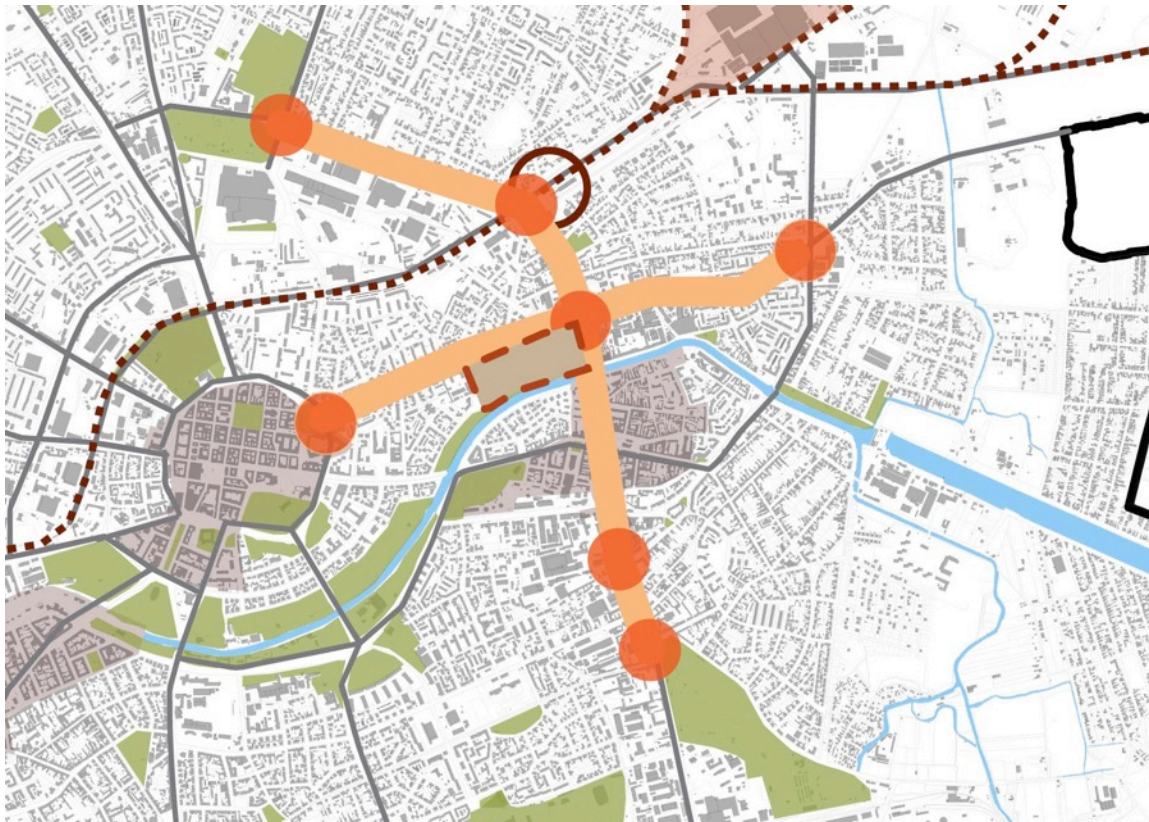


Figure 19 Neighborhood Zone

Global – Proposal 1

Propsoal 1

- Ring Roads

Ring 1 – bicycles & pedestrian

Ring 2 & 3 – domestic & public transport

Ring 4 – heavy traffic

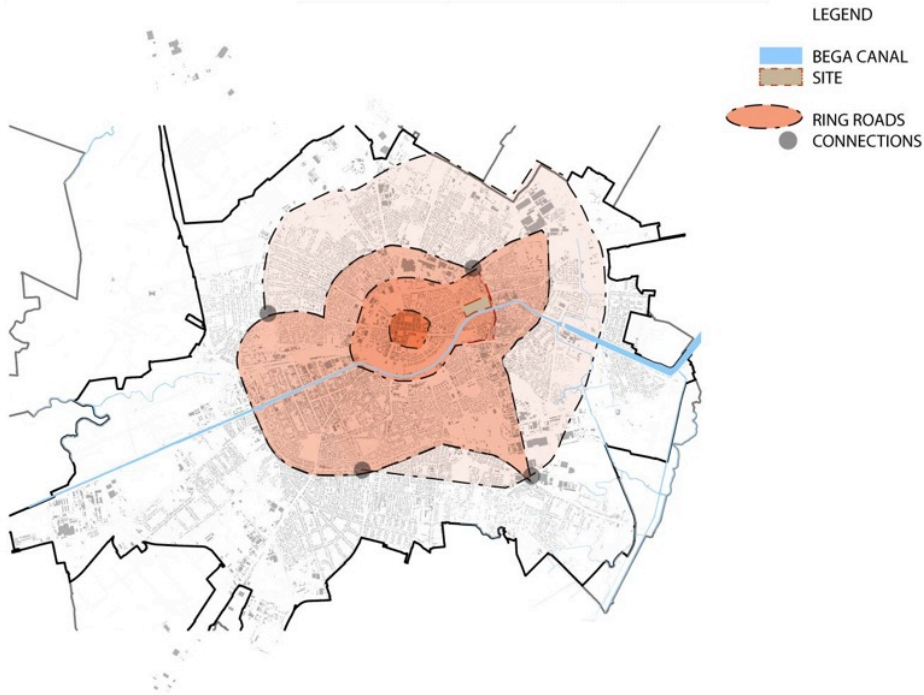


Figure 20 Ring Roads



Figure 21 Main Connections



Figure 22 Train Station - City

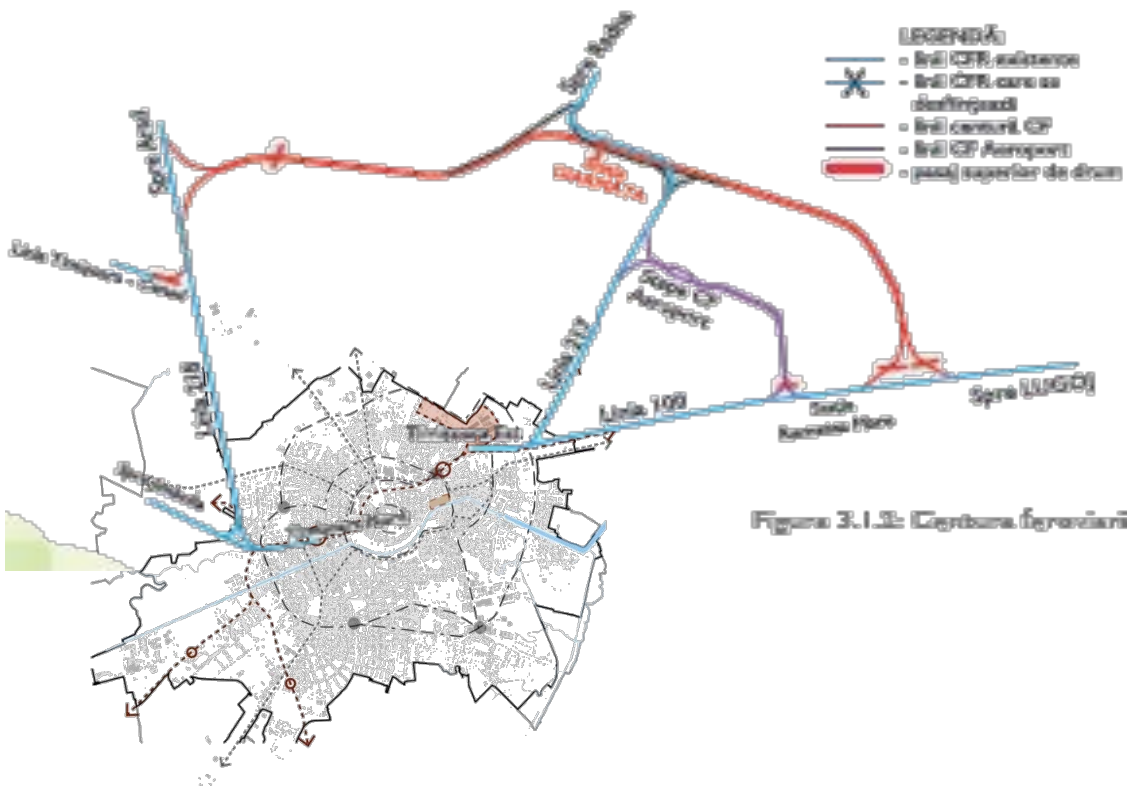


Figure 23 Train Station plus extension





Figure 24 Tram

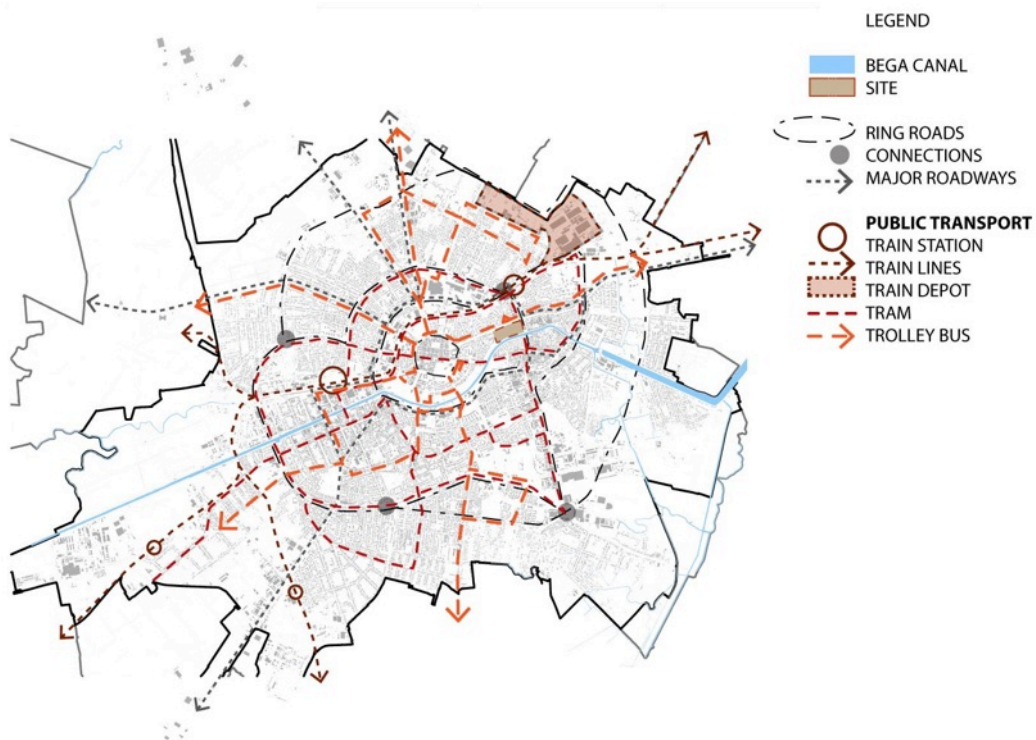


Figure 25 Trolley Bus



Figure 26 Bus

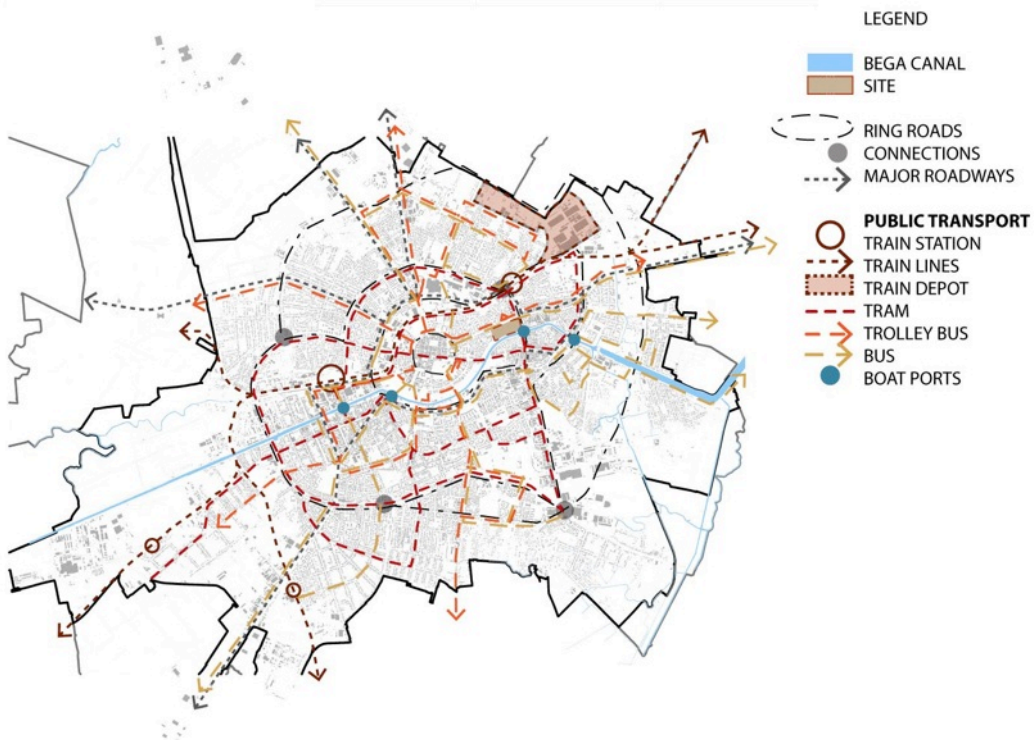


Figure 27 Boat Ports



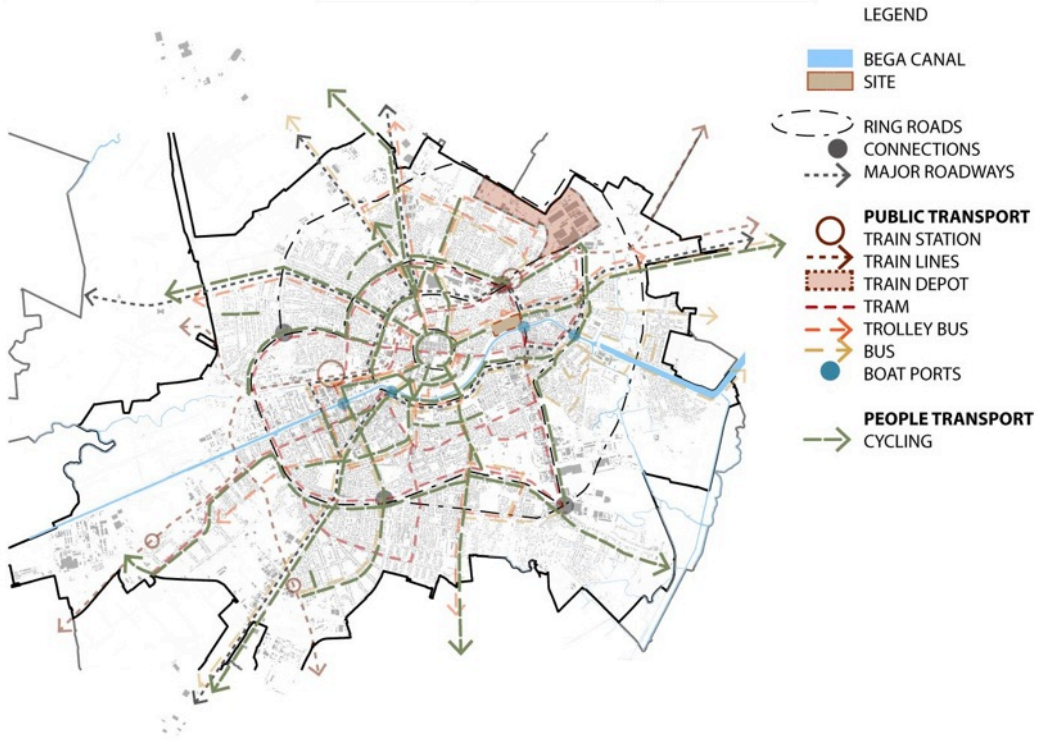


Figure 28 Cycling

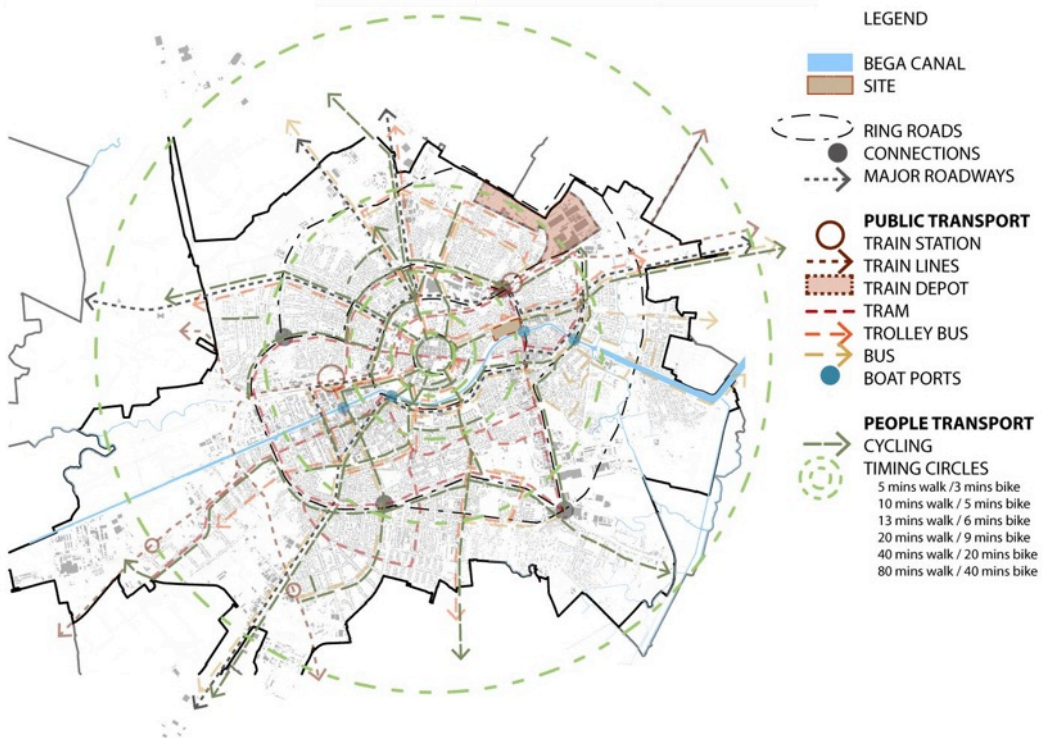


Figure 29 Walking Circles



Figure 30 Weighted Traffic Proposal 1

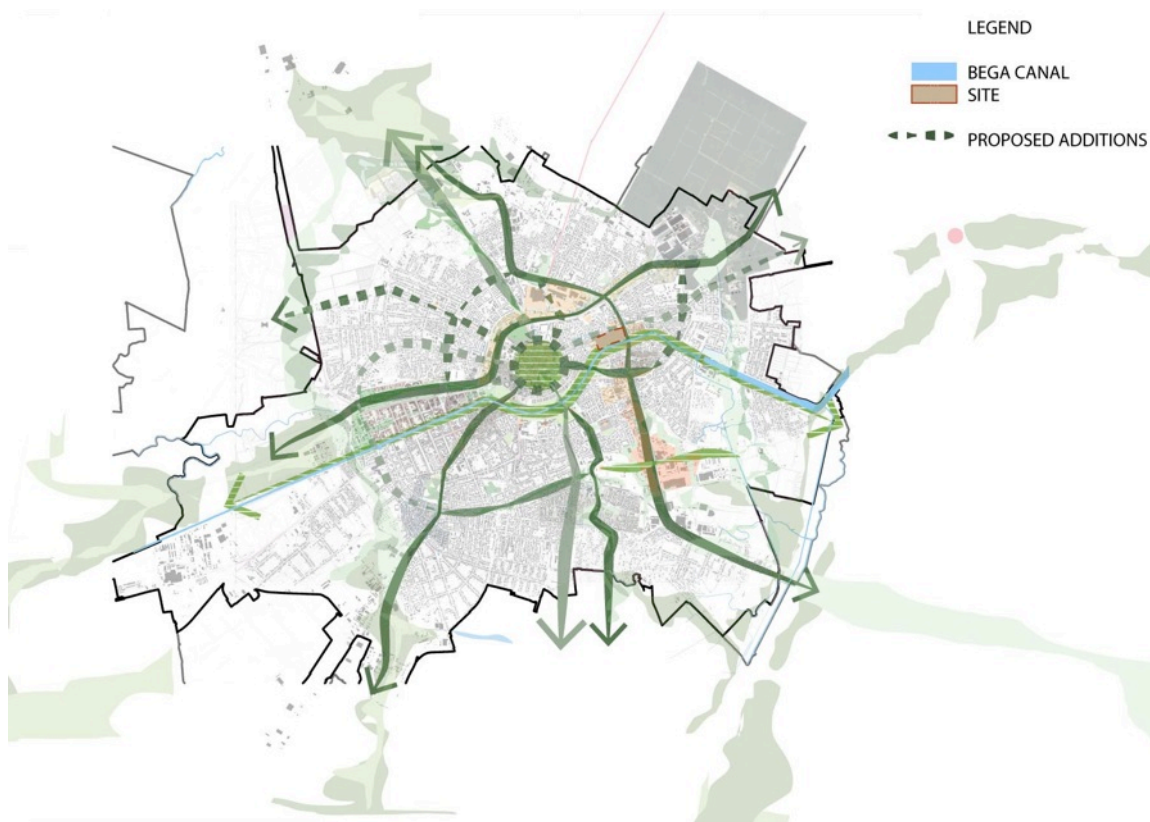


Figure 31 Proposed Green Network Additions



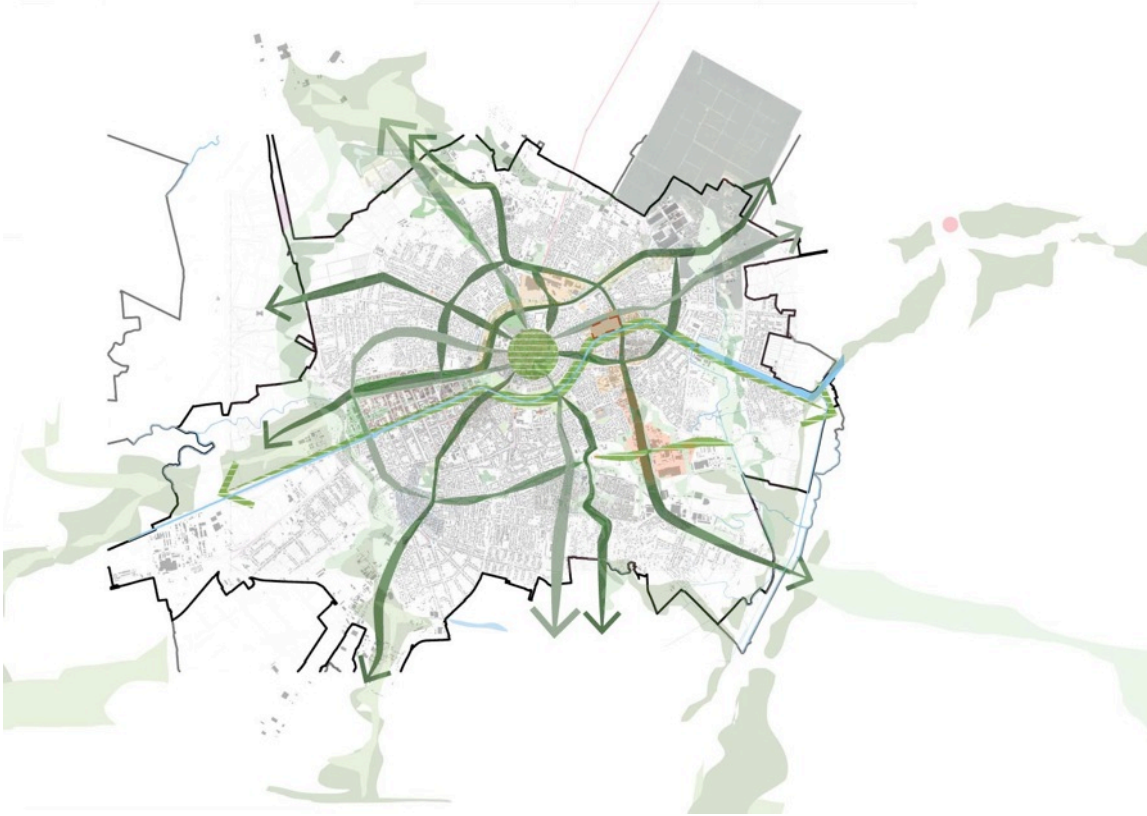


Figure 32 Proposed Green Network

Interchange Points – Proposal 1



Figure 33 Initial 7 Points

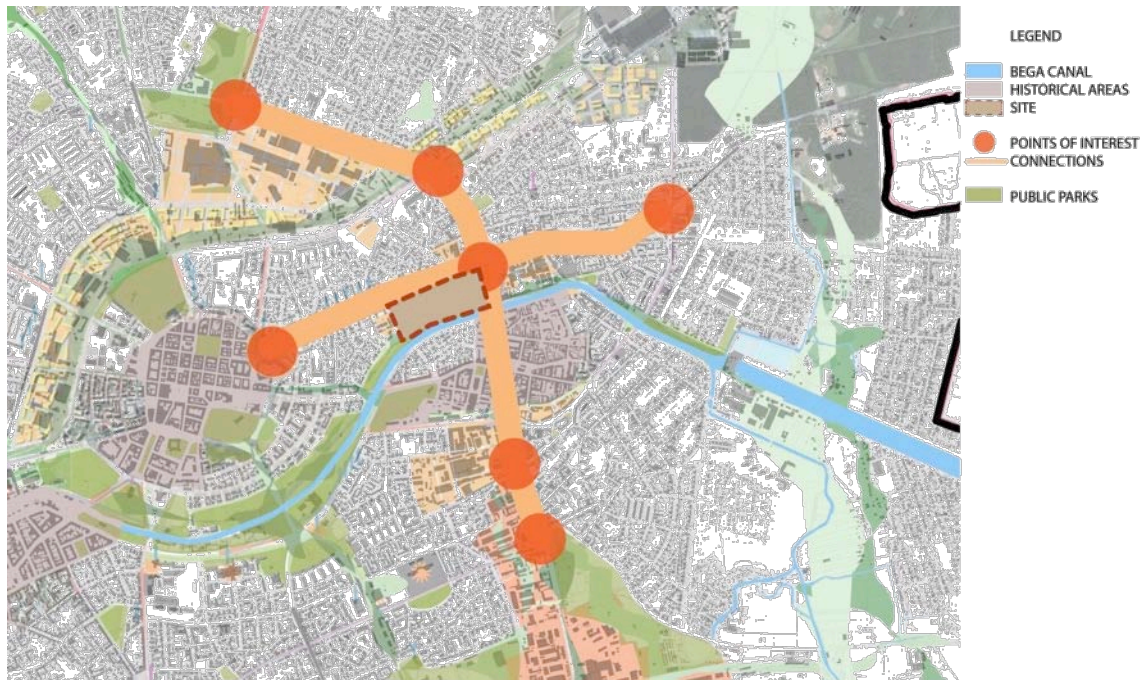


Figure 34 Void Summary





Figure 35 Transport Summary



Figure 36 First Point





Figure 37 Second Point

INTERCHANGE POINTS

2 POINT – train station 'Gara Est'

TRANSPORT MODES 5mins

- Walking
- Cycling
- Bus
- Tram
- Train

TRANSPORT MODES >5mins

-1 Point

- Trolley bus

TRANSPORT MODES >10min

- Boat



Figure 38 Third Point

INTERCHANGE POINTS

3 POINT – EDGE OF FABRIC

TRANSPORT MODES 5mins

- Walking
- Cycling
- Bus
- Tram

TRANSPORT MODES >10mins

- 1 Point

- Boat
- Trolley

TRANSPORT MODES >20mins

- 1 Point
- Train

NOTE

The edge of fabric is not a landmark  
Is there a possible better site??





Figure 39 Fourth Point

INTERCHANGE POINTS  
4 POINT – EDGE OF INNER CITY  
TRANSPORT MODES 5mins

- Walking
- Cycling
- Bus
- Tram
- Trolley

TRANSPORT MODES >10mins

- 3 Points
- Train
- Boat



Figure 40 Fifth Point

INTERCHANGE POINTS  
5 POINT – TRAFFIC JUNCTION  
TRANSPORT MODES 5mins

- Walking
- Cycling
- Bus
- Tram
- Trolley

TRANSPORT MODES >10mins

- 2 Points
- Train
- Boat

TRANSPORT MODES >20mins

- 2 Points





Figure 41 Sixth Point

INTERCHANGE POINTS  
6 POINT – TRAFFIC JUNCTION  
With car park and green area

TRANSPORT MODES 5mins

- Walking
- Cycling
- Bus
- Tram

TRANSPORT MODES >10mins  
- 1 Point

Trolley

- Boat

TRANSPORT MODES >20mins

- 4 Points
- Train



Figure 42 Seventh Point

INTERCHANGE POINTS  
7 POINT – TRAFFIC JUNCTION  
With green area

TRANSPORT MODES 5mins

- Walking
- Cycling
- Bus
- Trolley

TRANSPORT MODES >10mins

- 2 Points
- Train
- Tram

TRANSPORT MODES >20mins

- 4 Points
- Boat





Figure 43 Review of First Point

- INTERCHANGE POINTS
- REVIEW 1 POINT – SITE
- TRANSPORT MODES 5mins
- Walking
  - Cycling
  - Bus
  - Trolley bus
  - Tram
  - Boat
  - 1 Point
- TRANSPORT MODES >10min
- Train
  - 3 Points
- TRANSPORT MODES >20min
- 2 Points



Figure 44 Point Summary

- INTERCHANGE POINTS
- SUMMARY
- TRANSPORT MODES 5mins
- Walking
  - Cycling
  - At least 2 modes of PT
- TRANSPORT MODES >10mins
- At least 1 Point
  - Another 2 modes of PT
  -
- TRANSPORT MODES >20mins
- Additional Points





Figure 45 Weighted Summary



Figure 46 Weighted Summary



- INTERCHANGE POINTS
- PROPOSED INTERCHANGE POINTS
  - PROPOSED INTERMEDIATE AREA

Figure 47 Interchange Points



GLOBAL PROPOSAL 2



Figure 48 Ring Roads

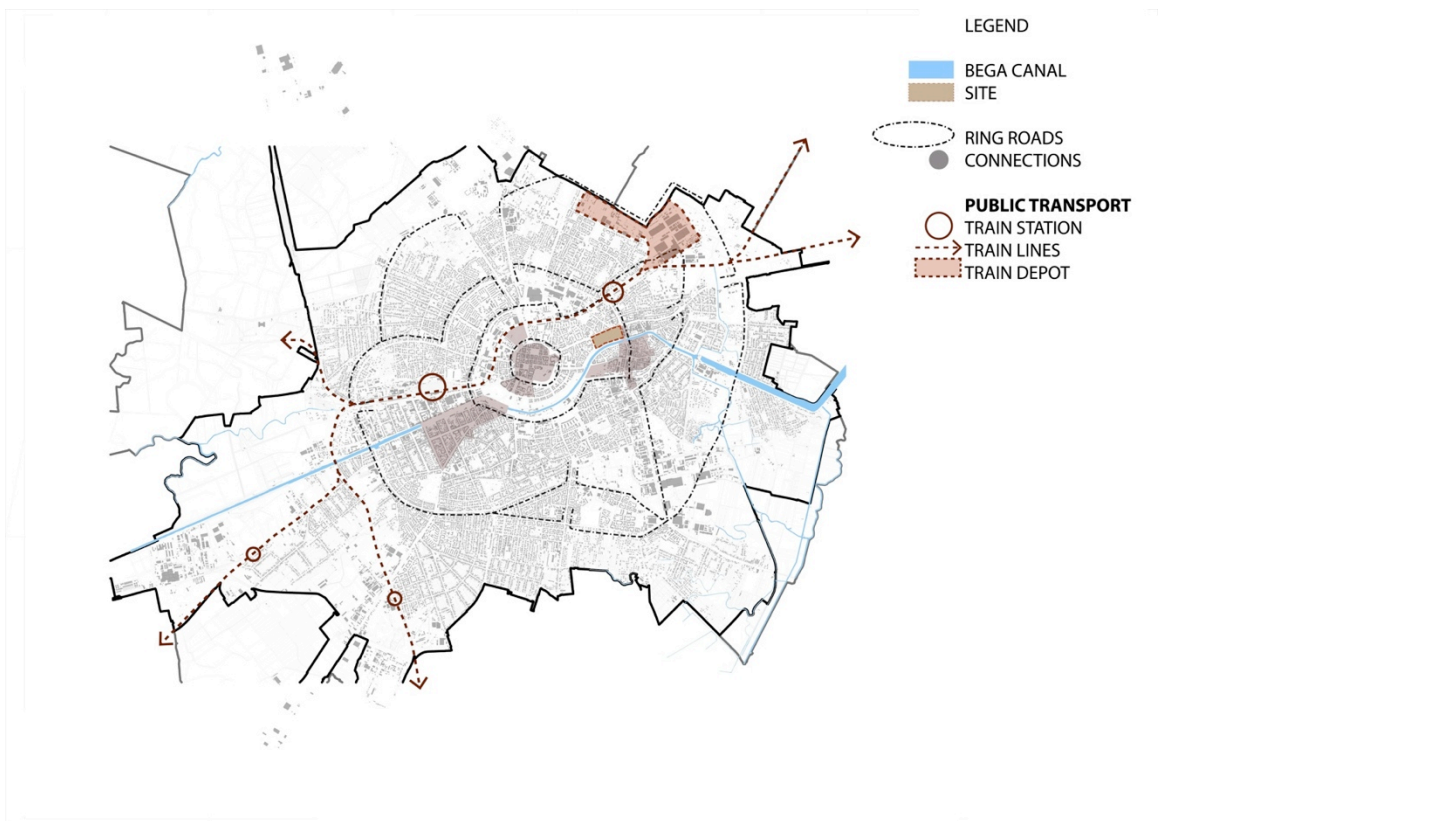


Figure 49 Train Station

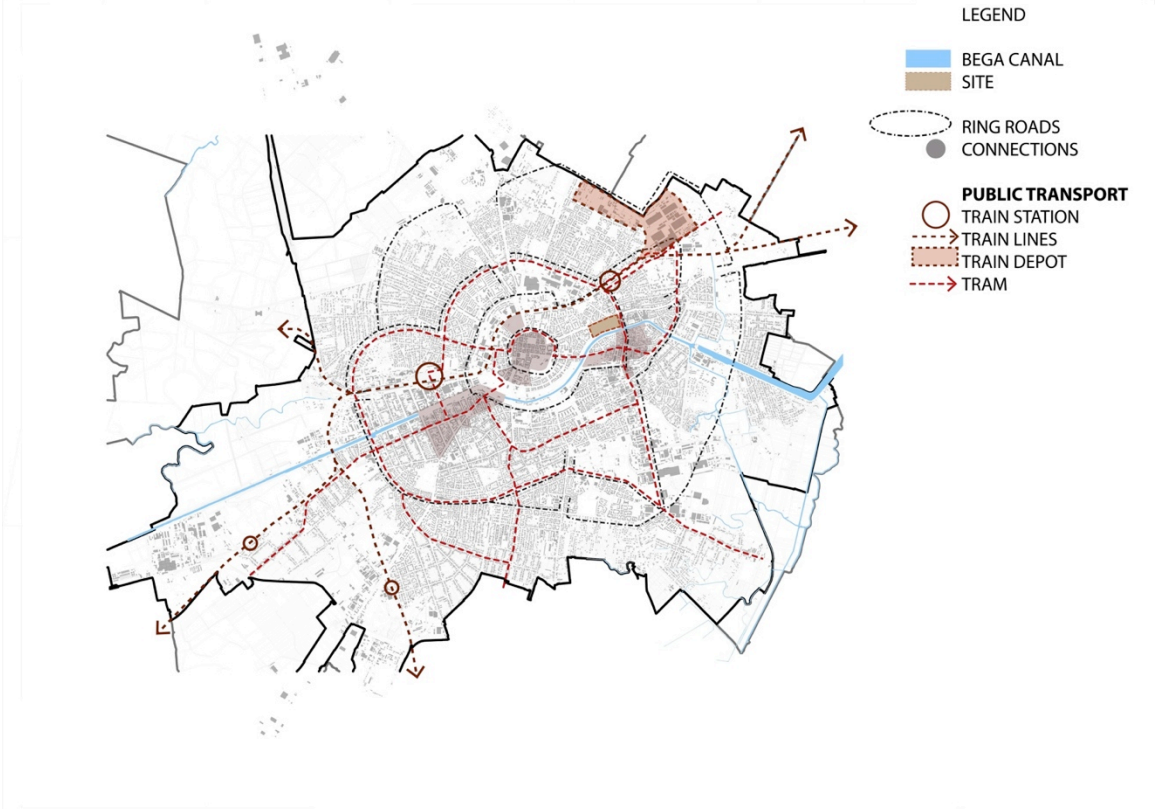


Figure 50 Tram

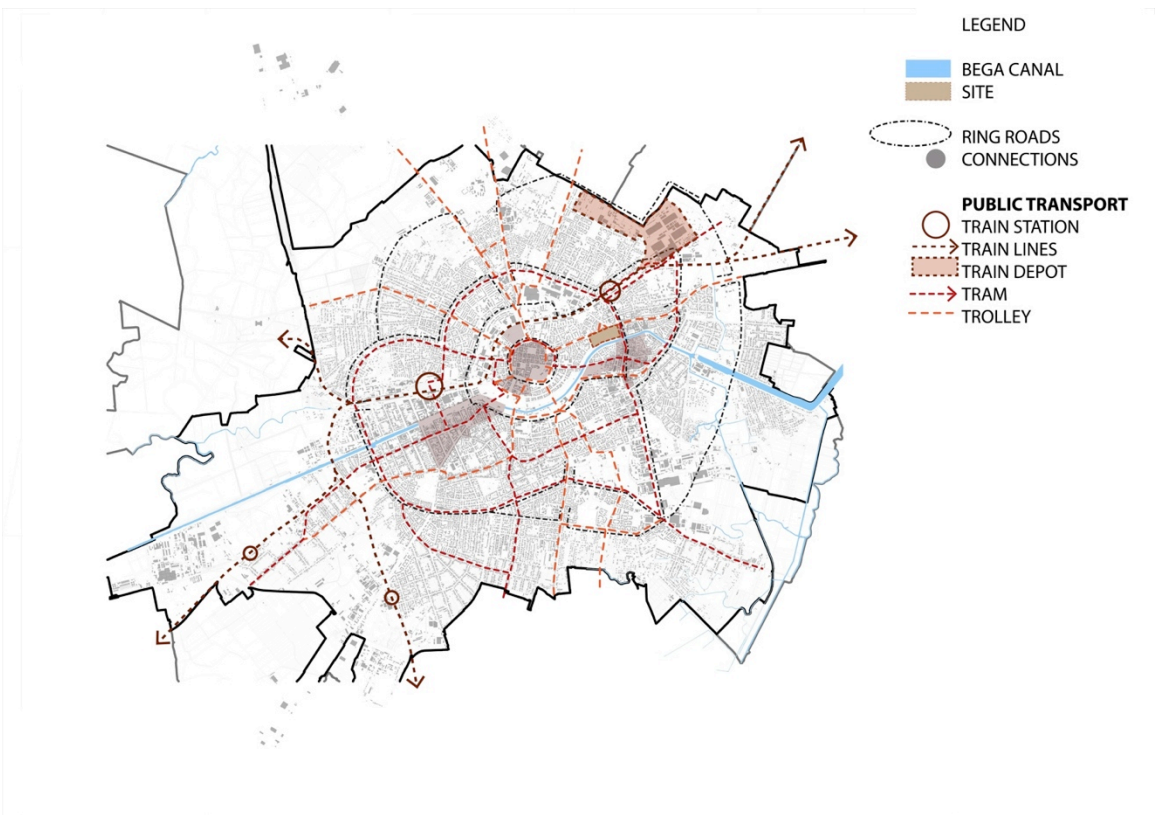


Figure 51 Trolley



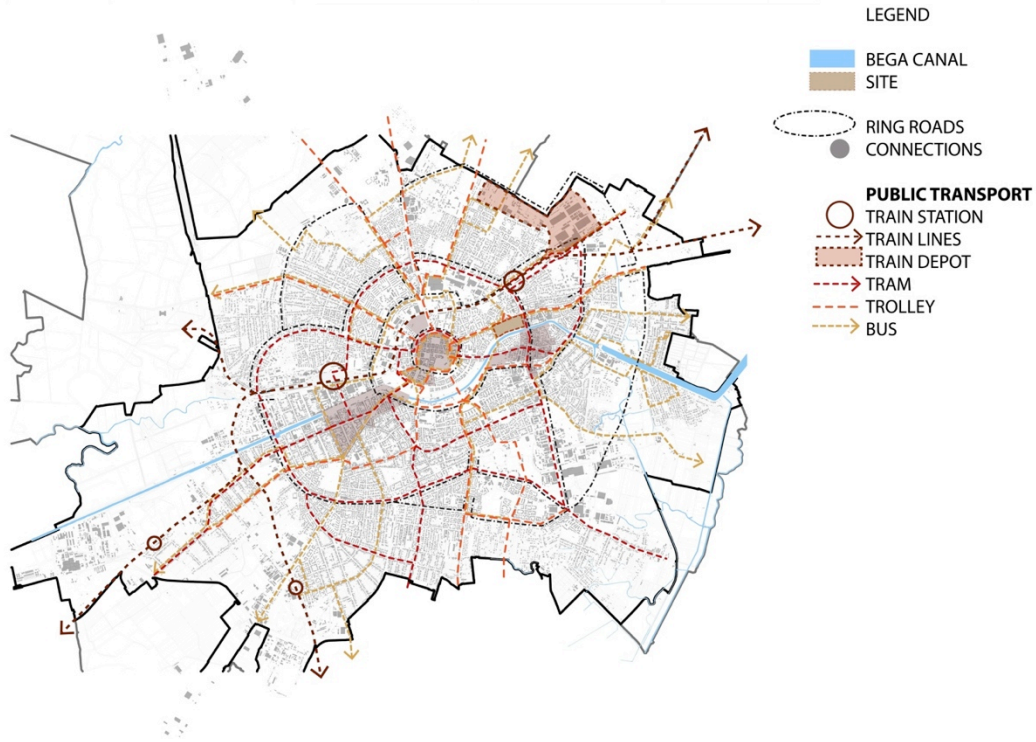


Figure 52 Bus

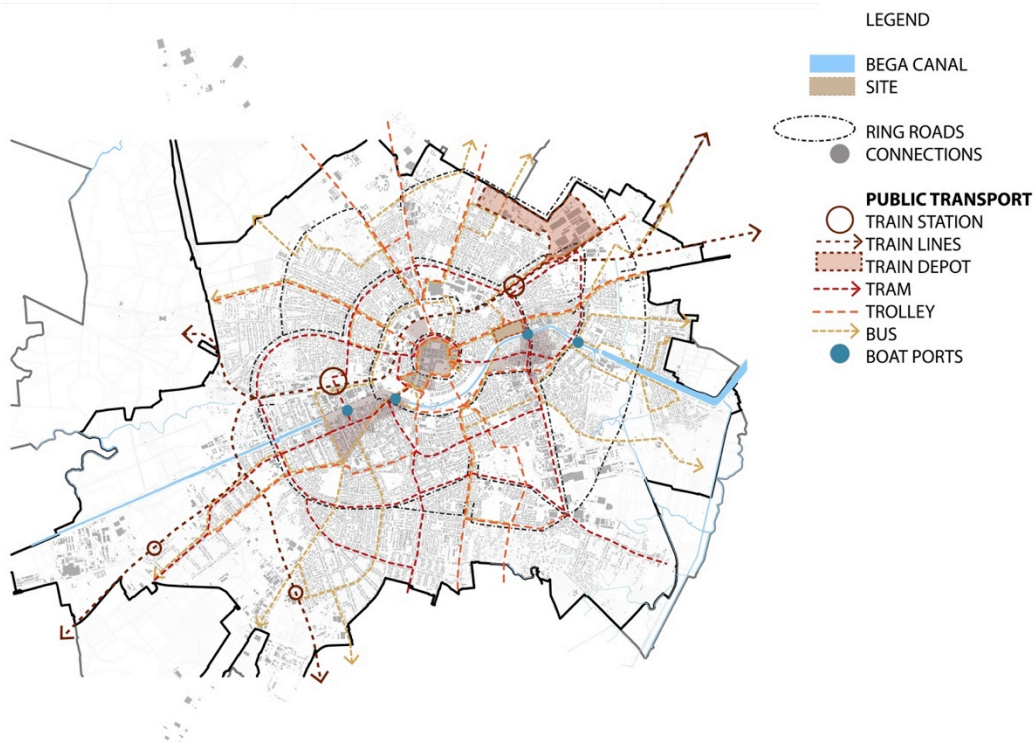


Figure 53 Boat Ports

LEGEND

BEGA CANAL SITE

RING ROADS CONNECTIONS

**PUBLIC TRANSPORT**

TRAIN STATION  
 TRAIN LINES  
 TRAIN DEPOT  
 TRAM  
 TROLLEY  
 BUS  
 BOAT PORTS

**PEOPLE TRANSPORT**

CYCLING & WALKING PATHS



Figure 54 Cycling and Walking Paths



Figure 55 Weighted Traffic Proposal 2



Interchange Points – Proposal 2

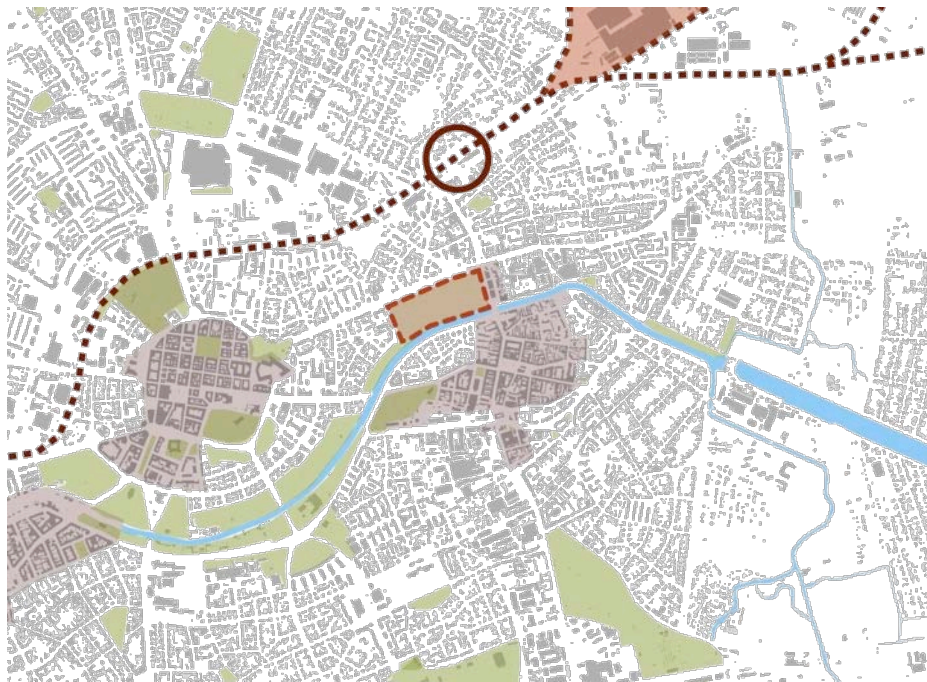


Figure 56 Train Station

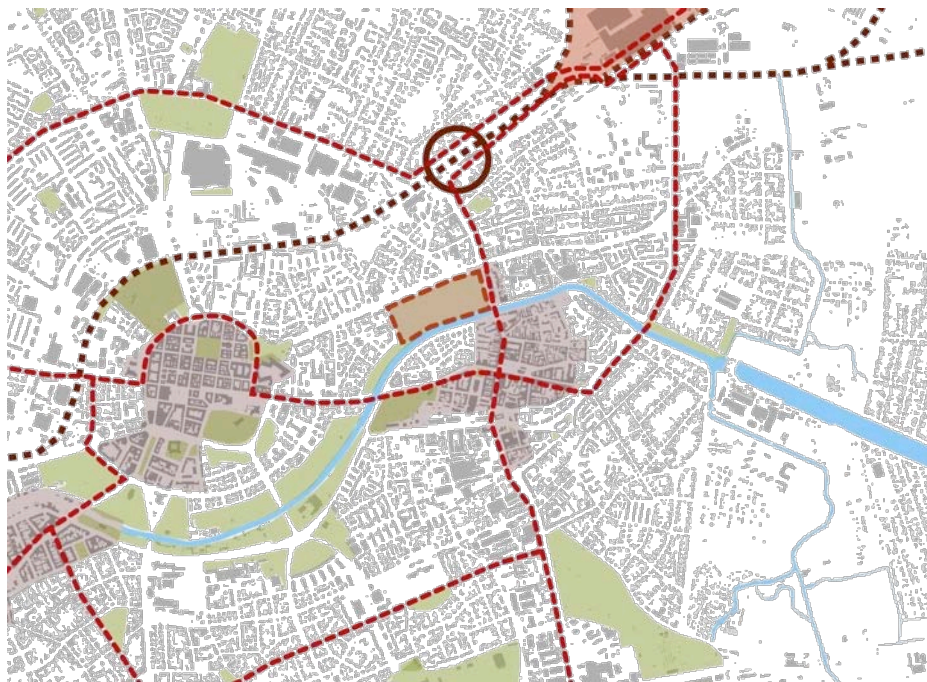


Figure 57 Tram Station





- LEGEND
- █ BEGA CANAL
  - █ HISTORICAL AREAS
  - █ SITE
  - █ PUBLIC PARKS
  - TRAIN STATIONS
  - - - - - TRAIN LINE
  - █ TRAIN DEPOT
  - - - - - TRAM LINE
  - - - - - TROLLEY BUS

Figure 58 Trolley Bus



- LEGEND
- █ BEGA CANAL
  - █ HISTORICAL AREAS
  - █ SITE
  - █ PUBLIC PARKS
  - TRAIN STATIONS
  - - - - - TRAIN LINE
  - █ TRAIN DEPOT
  - - - - - TRAM LINE
  - - - - - TROLLEY BUS
  - - - - - BUS LINES

Figure 59 Bus





Figure 60 Boat Ports



Figure 61 Cycling and Walking



Figure 62 With Hubs



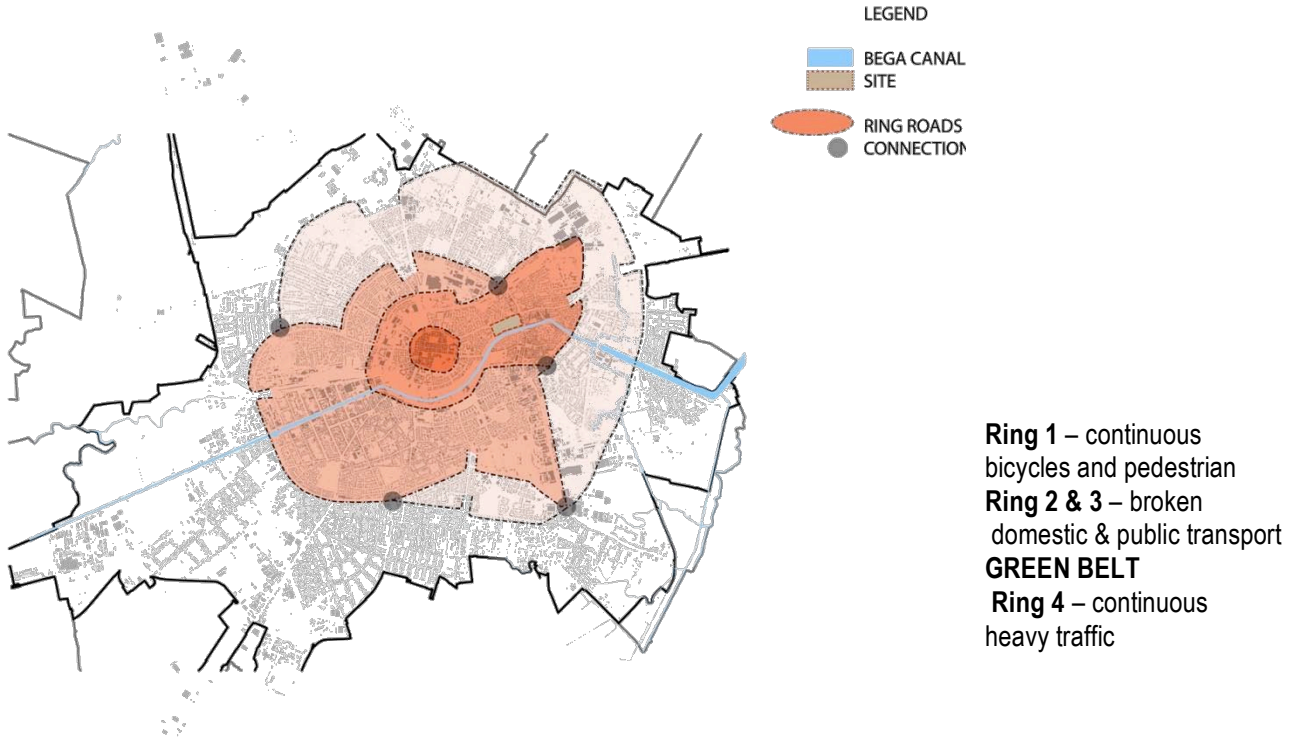


Figure 63 – Global Proposal 3

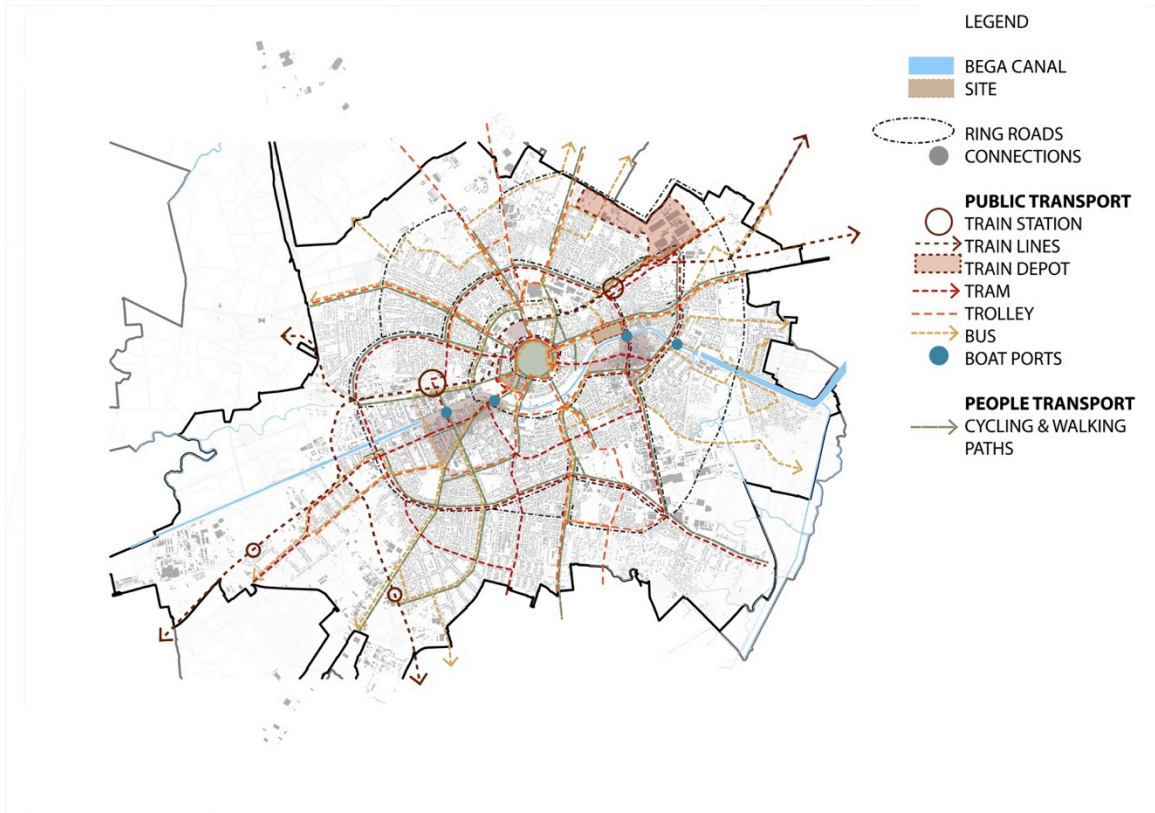


Figure 64 Global Proposal 2

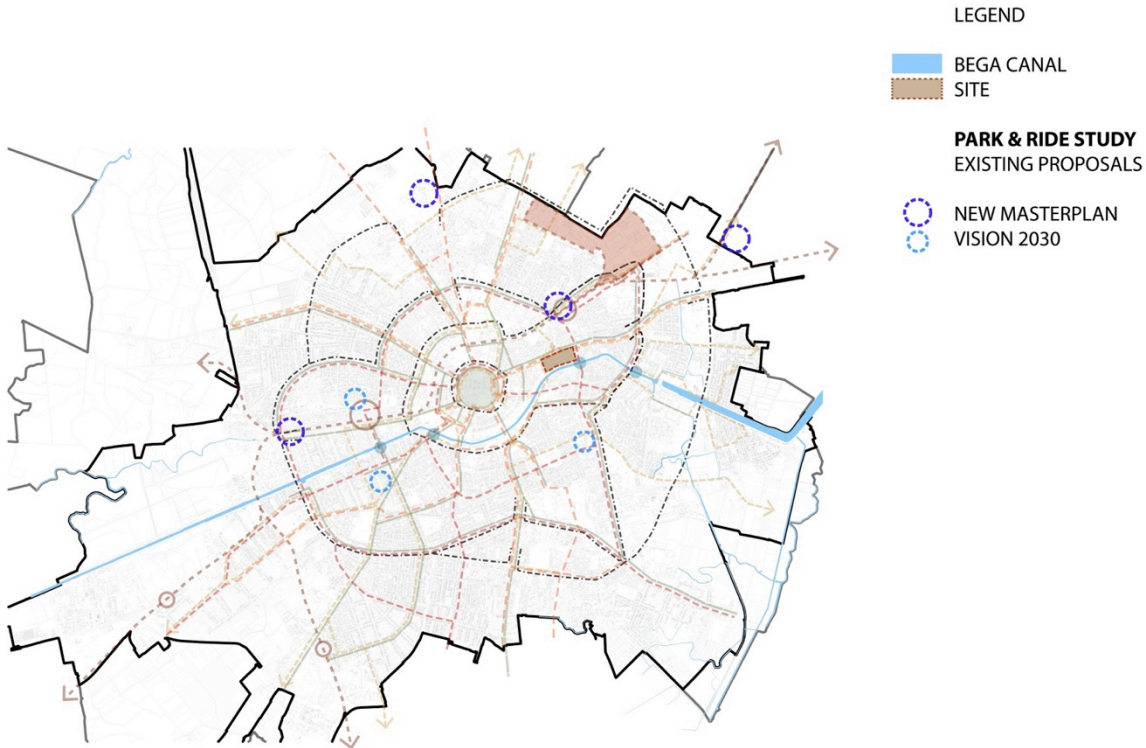


Figure 65 Park and Rides

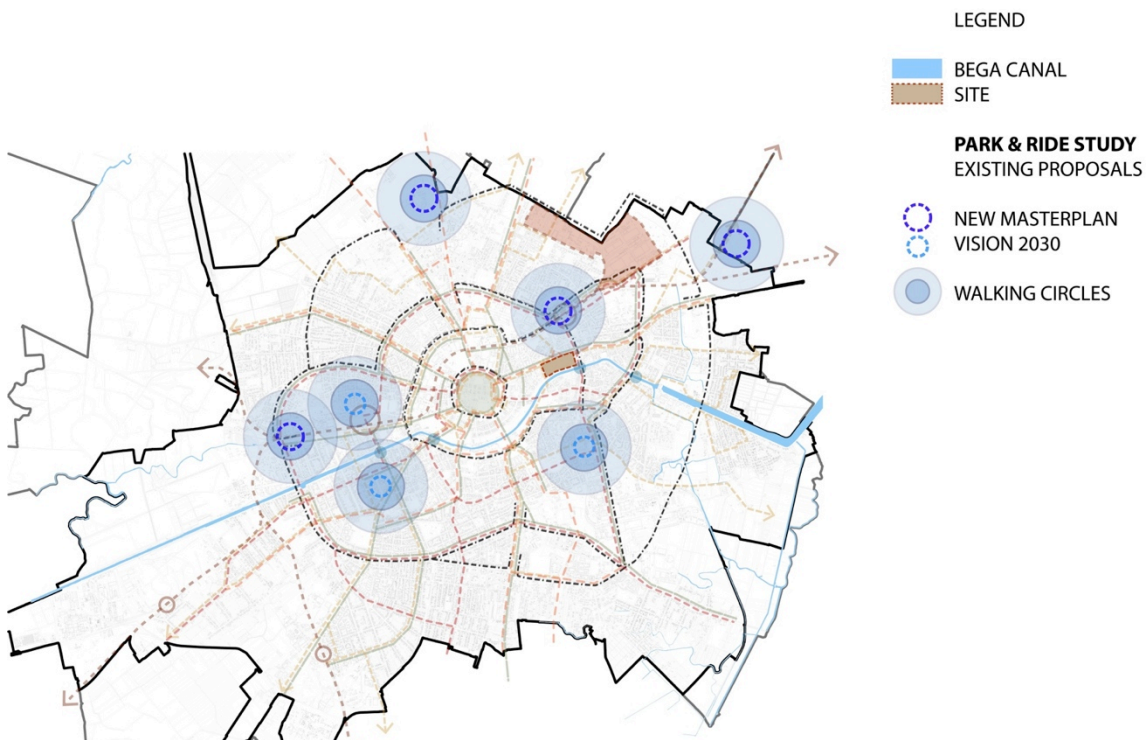


Figure 66 Park and Rides with walking circles



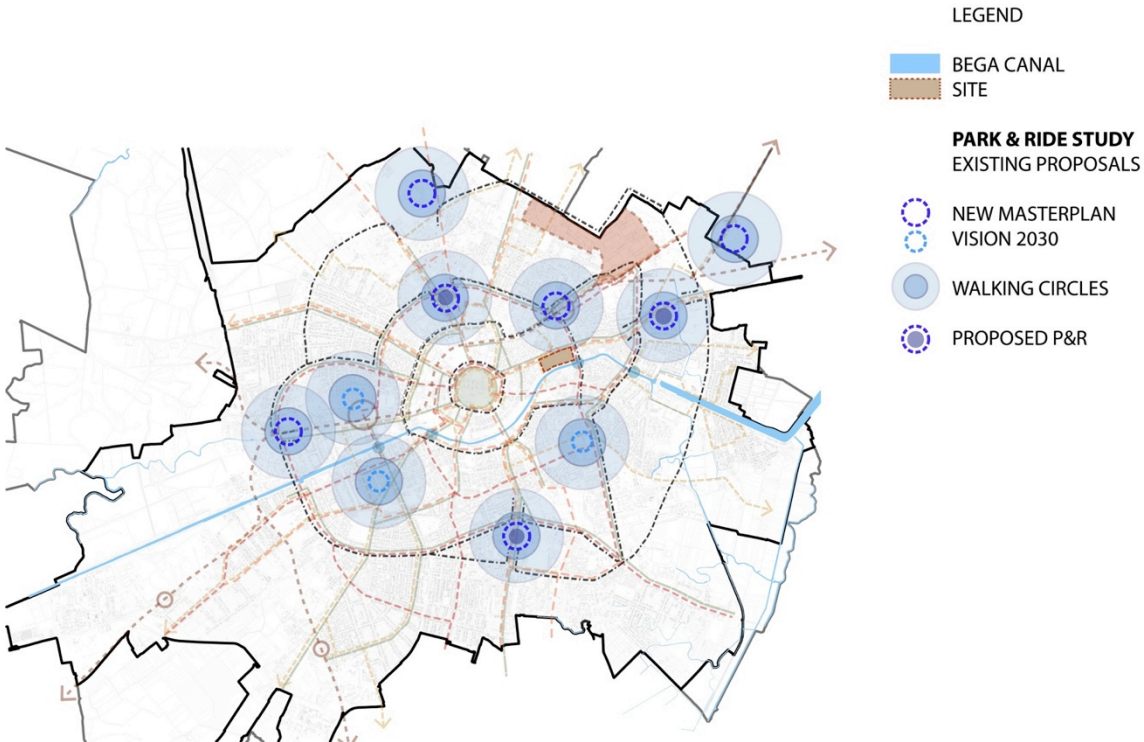


Figure 67 Additional proposed P&R

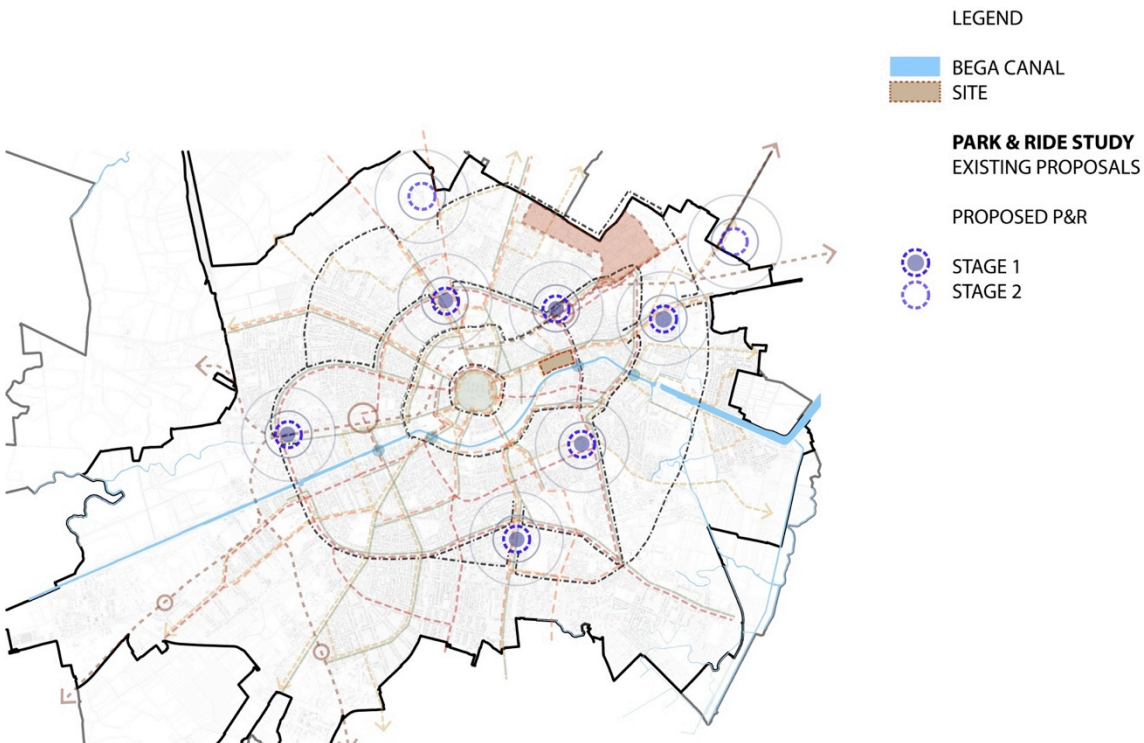


Figure 68 Park and Rides (Stage 1 & 2)



Moving Green Development – Transportation Implementation

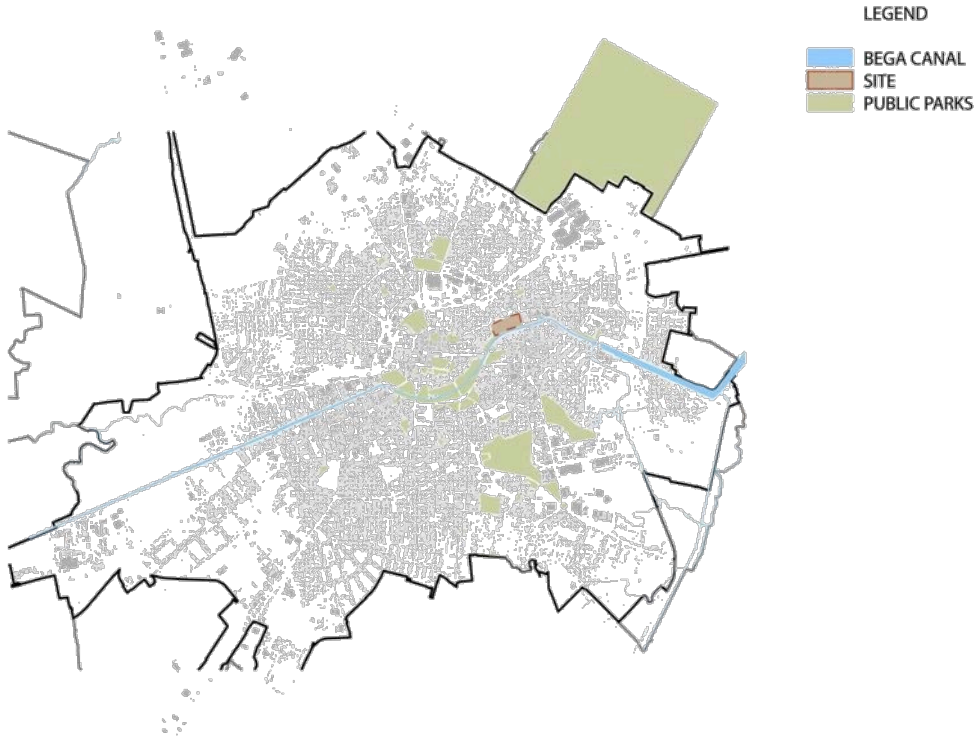


Figure 69 Proposed Parks



- Bicycle paths: connection with center
- Bicycle paths: rapid connections
- Bicycle paths: tourism and urban spaces
- Bicycle paths: leisure and fast connectivity

Figure 70 Bicycle Paths

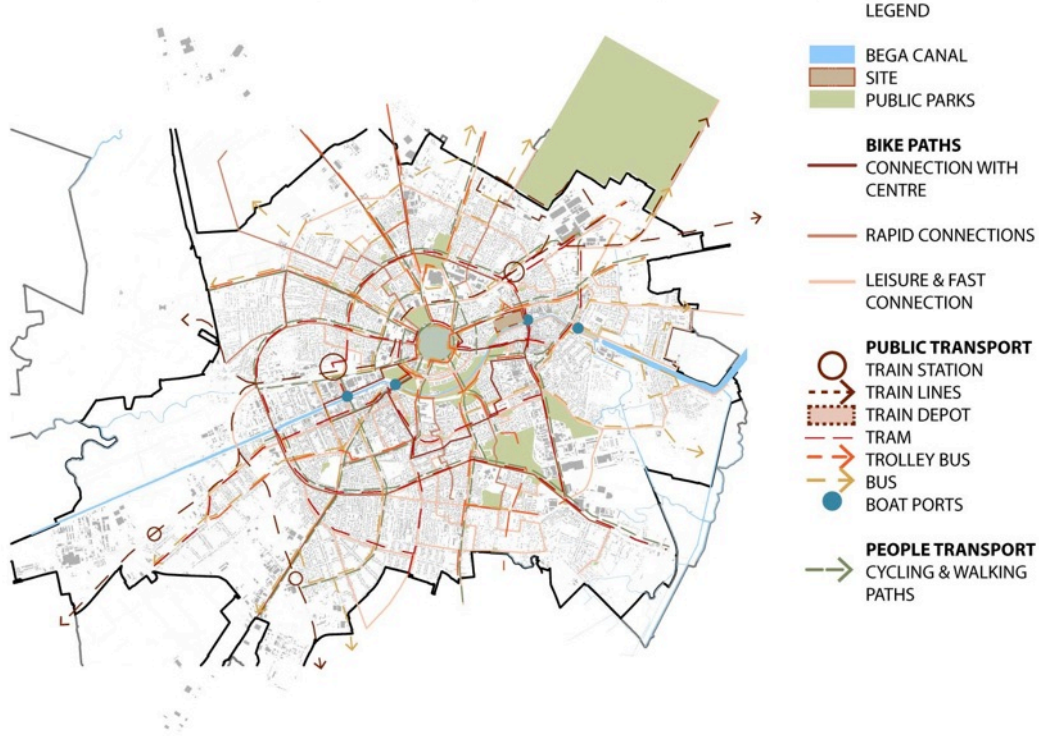


Figure 71 Public Transport

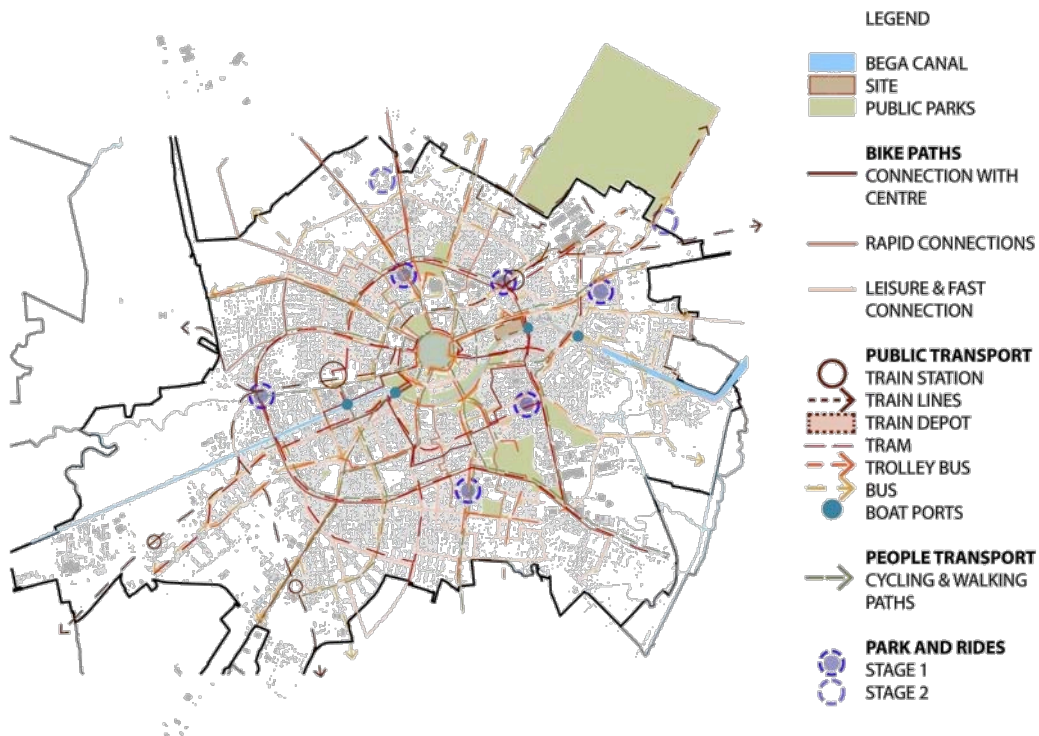


Figure 72 Park and Rides



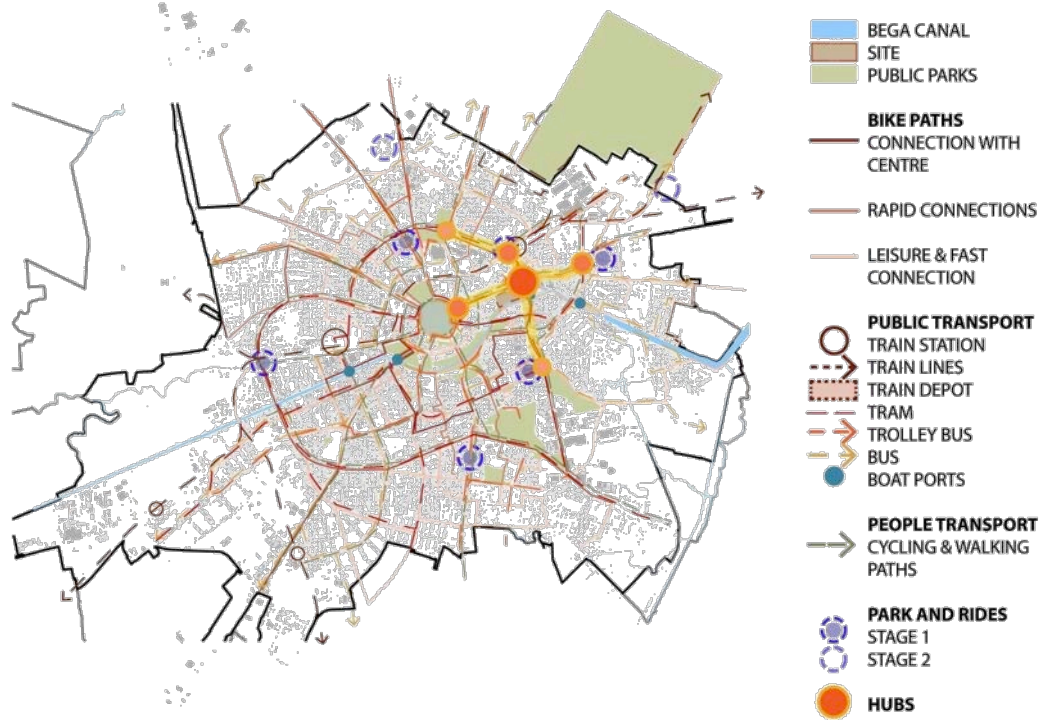


Figure 73 Proposed Hubs

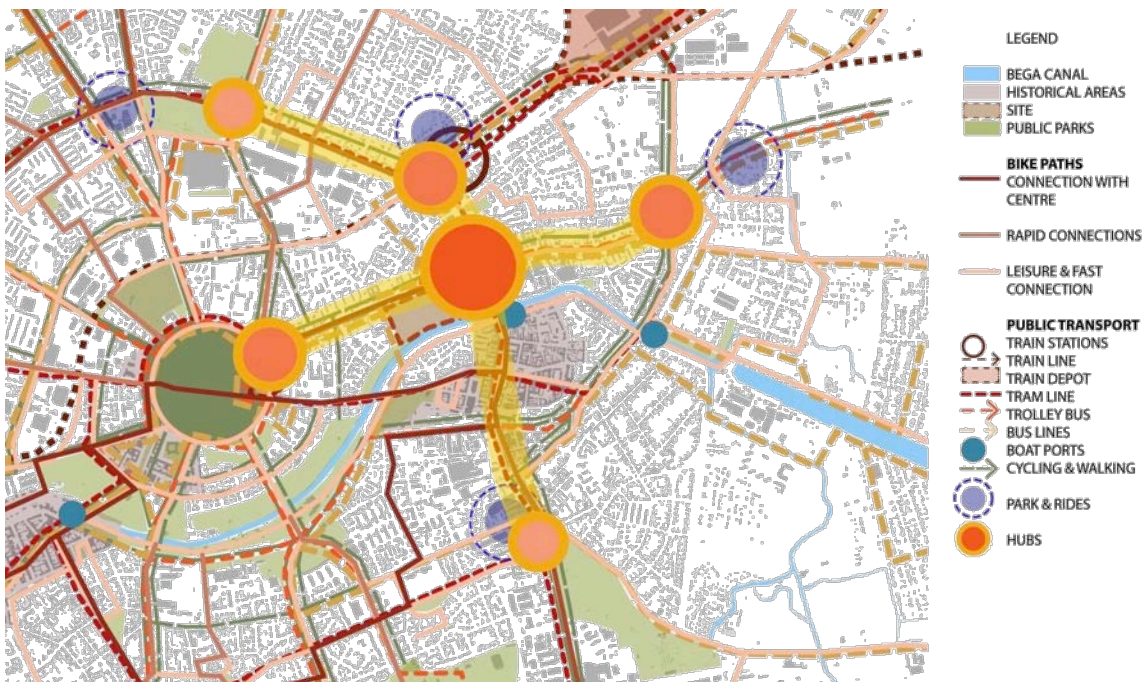


Figure 74 Proposed Neighborhood





Figure 75 Green Network Summary

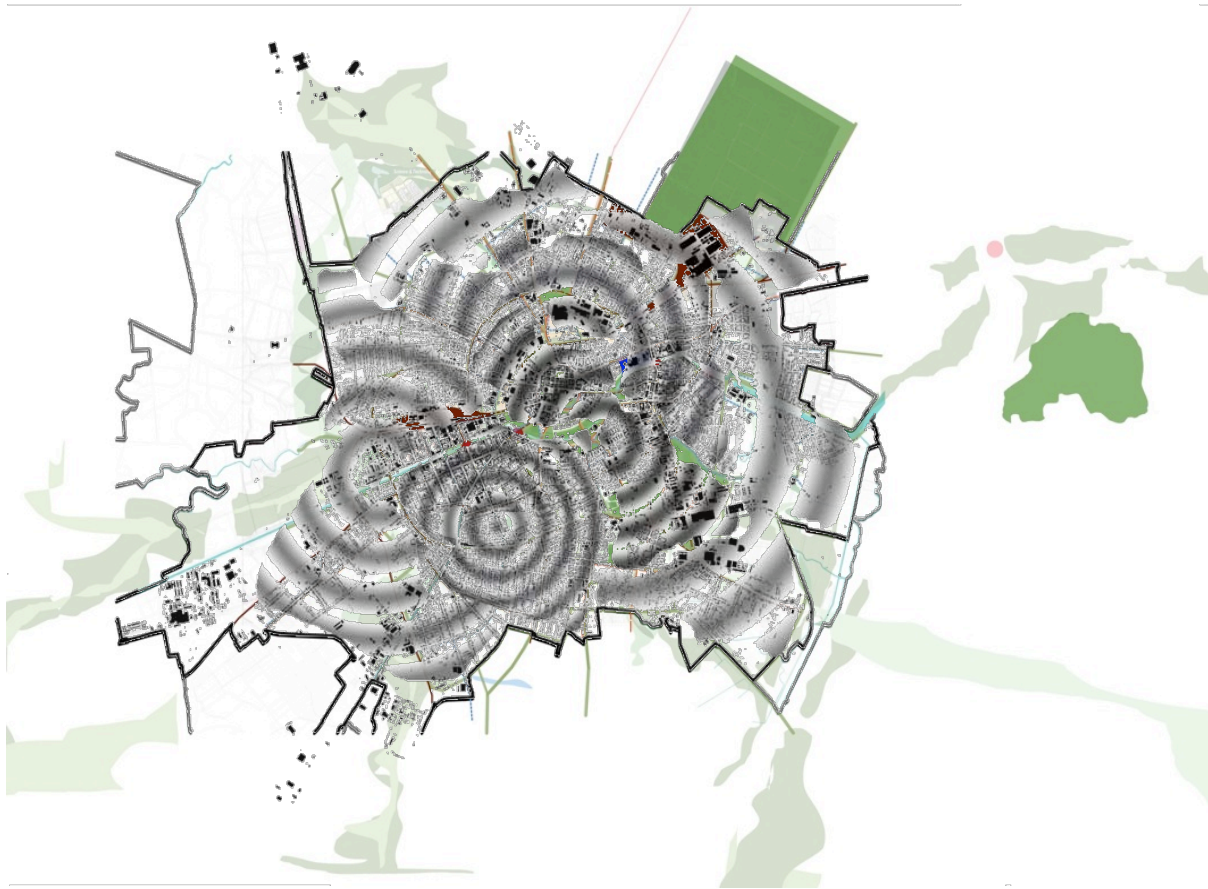


Figure 76 Functionality Summary



Figure 77 Functional Zones



Figure 78 Public Parks



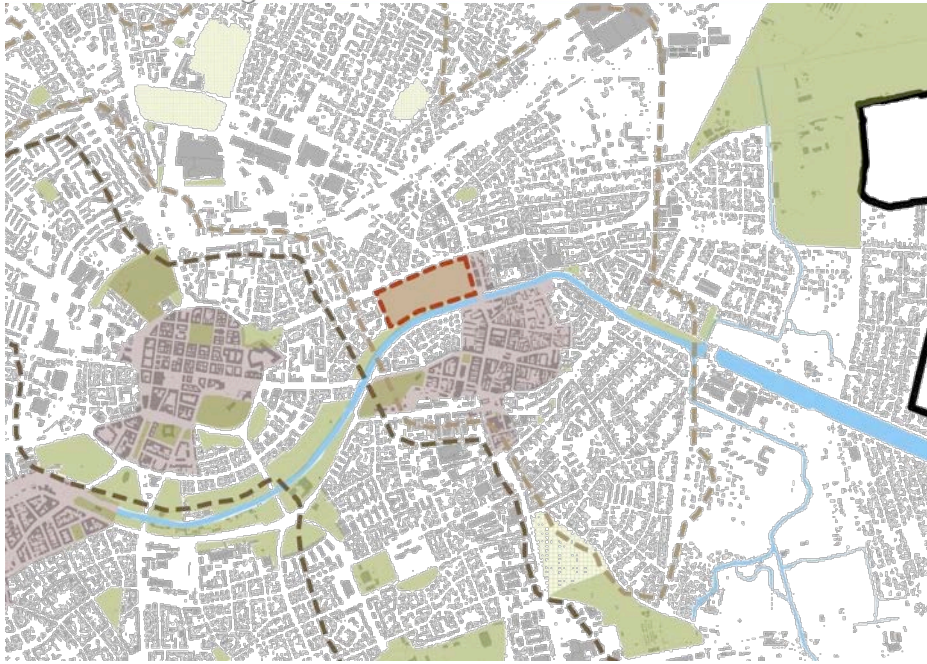


Figure 79 Cemeteries



Figure 80 Industrial Areas





- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- FUNCTIONS**
- PUBLIC PARKS
  - CEMETRIES
  - INDUSTRIAL
  - SPORTS

Figure 81 Sports Areas



- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- FUNCTIONS**
- PUBLIC PARKS
  - CEMETRIES
  - INDUSTRIAL
  - SPORTS
  - COMMERCIAL

Figure 82 Commercials Areas





- LEGEND**
- █ BEGA CANAL
  - █ HISTORICAL AREAS
  - █ SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- FUNCTIONS**
- █ PUBLIC PARKS
  - █ CEMETRIES
  - █ INDUSTRIAL
  - █ SPORTS
  - █ COMMERCIAL
  - █ AGRICULTURE

Figure 83 Agriculture Areas



- LEGEND**
- █ BEGA CANAL
  - █ HISTORICAL AREAS
  - █ SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- FUNCTIONS**
- █ PUBLIC PARKS
  - █ CEMETRIES
  - █ INDUSTRIAL
  - █ SPORTS
  - █ COMMERCIAL
  - █ AGRICULTURE
  - █ EDUCATION
  - █ PRIMARY/SECONDARY

Figure 84 Educational Areas – PRIMARY/SECONDARY



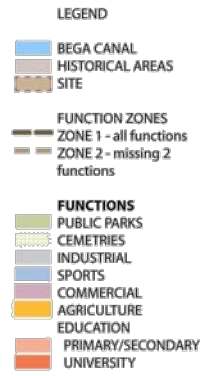


Figure 85 Educational Areas – UNIVERSITY

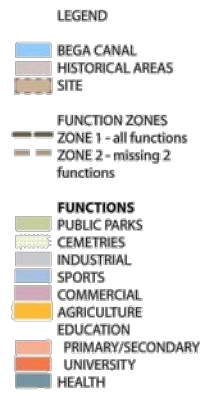
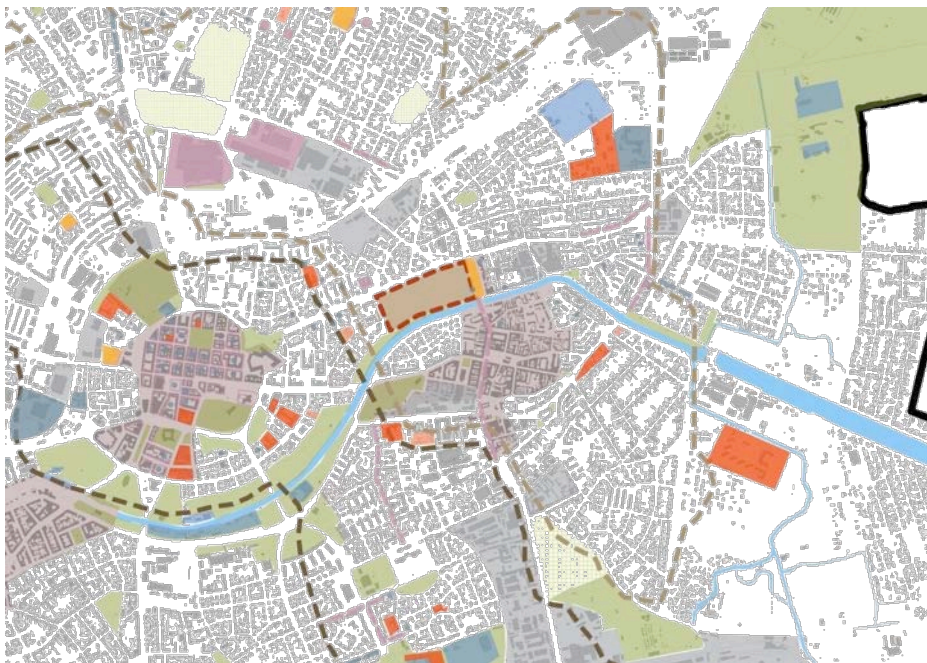


Figure 86 Health





Figure 87 Religious Areas



Figure 88 Park & Rides



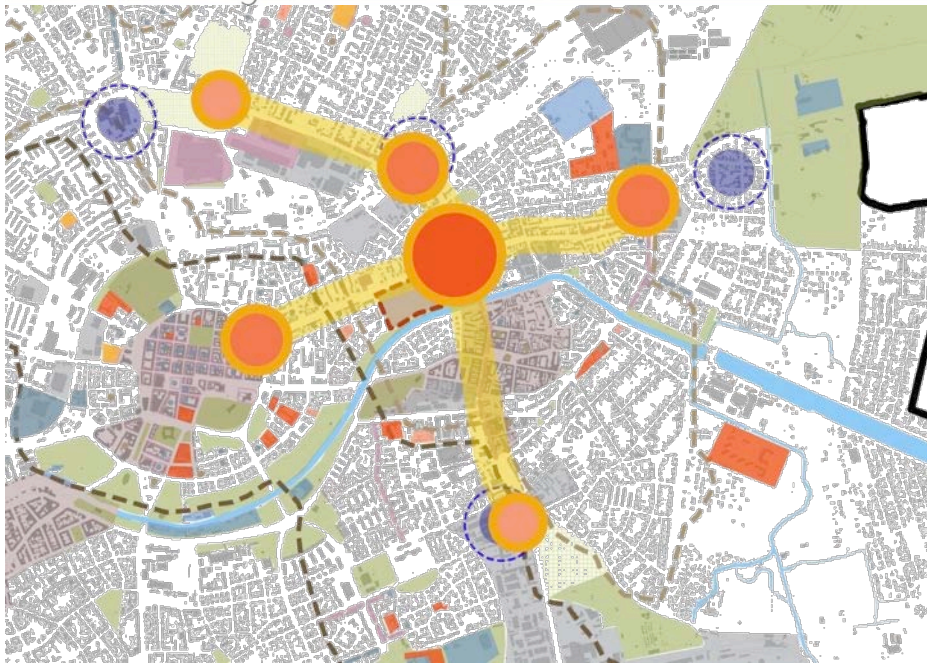


Figure 89 Hubs

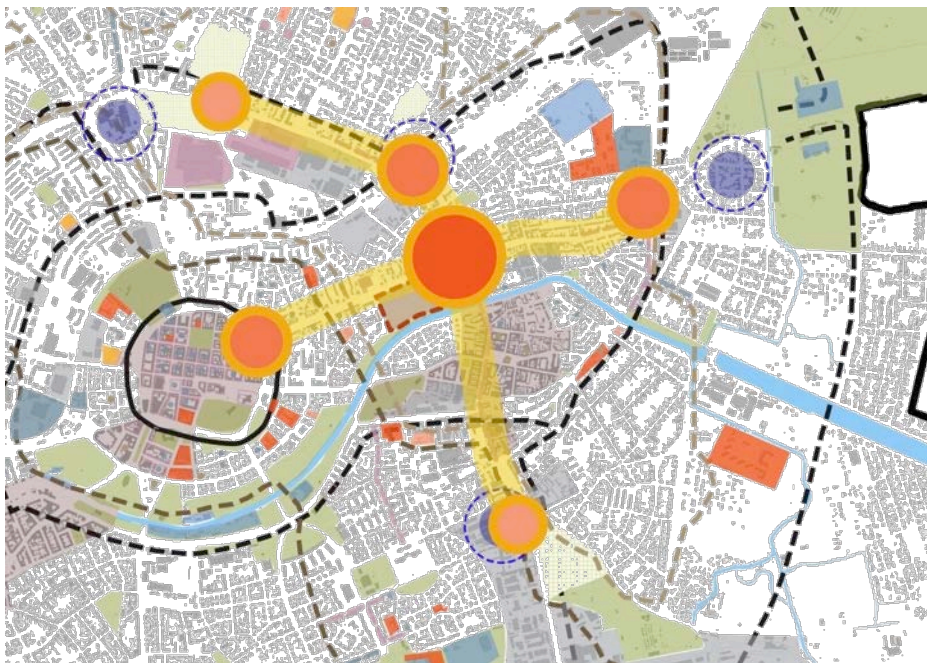


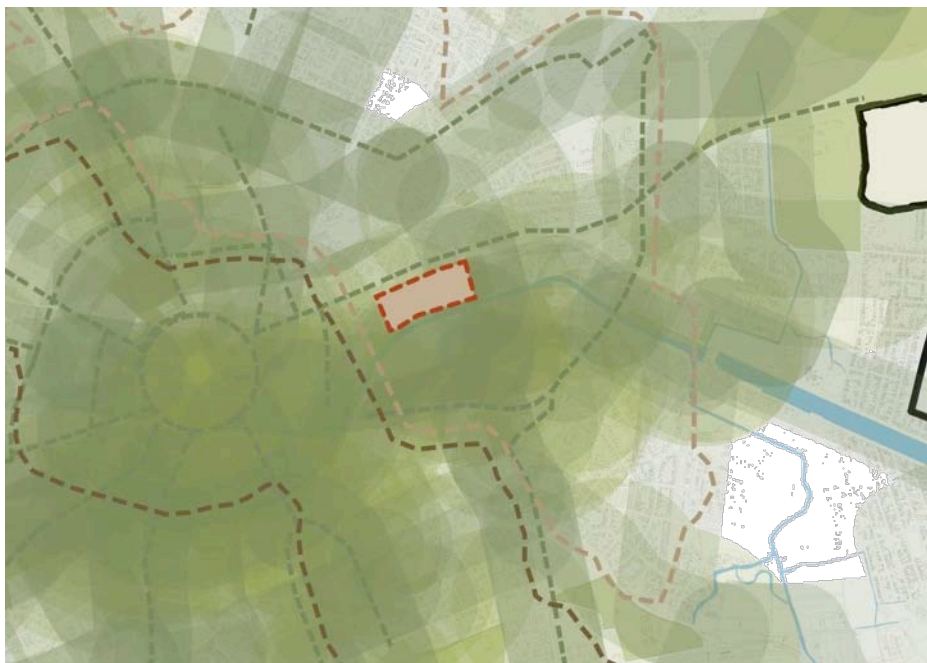
Figure 90 – With Ring Roads





- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS

Figure 91 Walking Zones with 10mins walking radius



- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS
- ADDITIONS**
- WALKING/CYCLING

Figure 92 With Additional walking/cycling paths

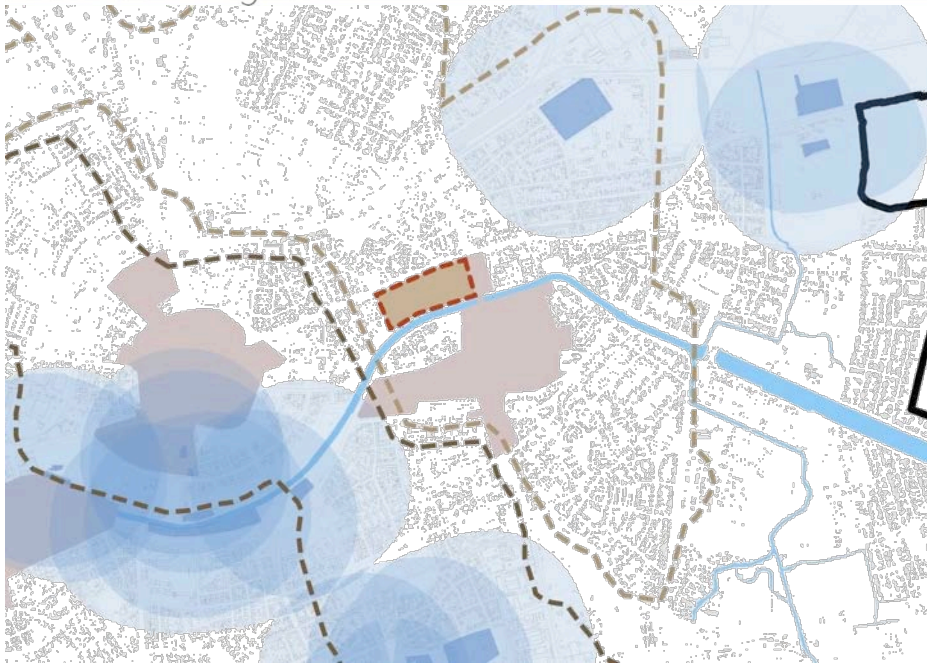


Figure 93 Sports Zones with 10mins walking radius

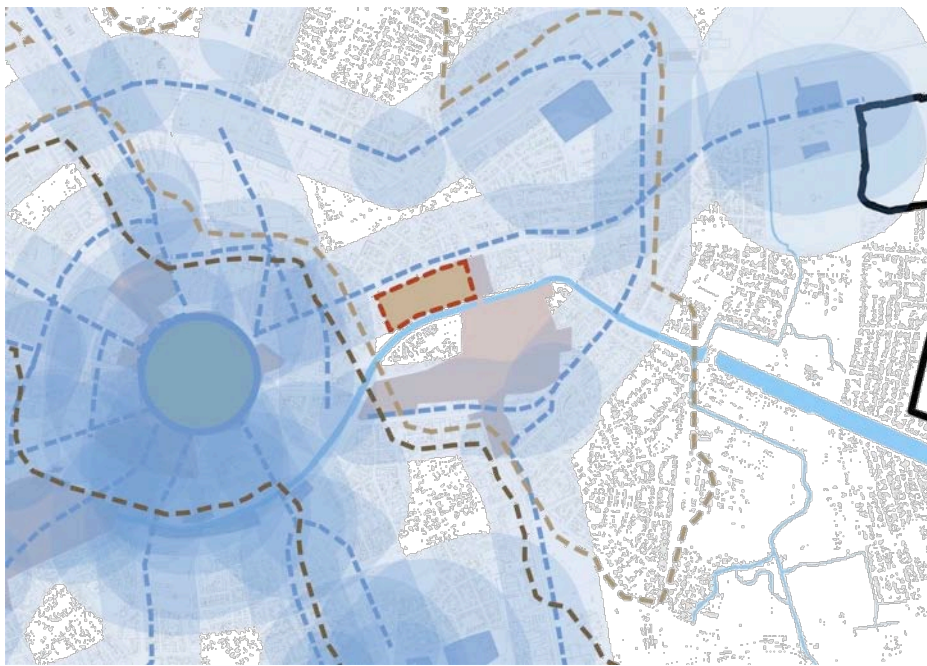
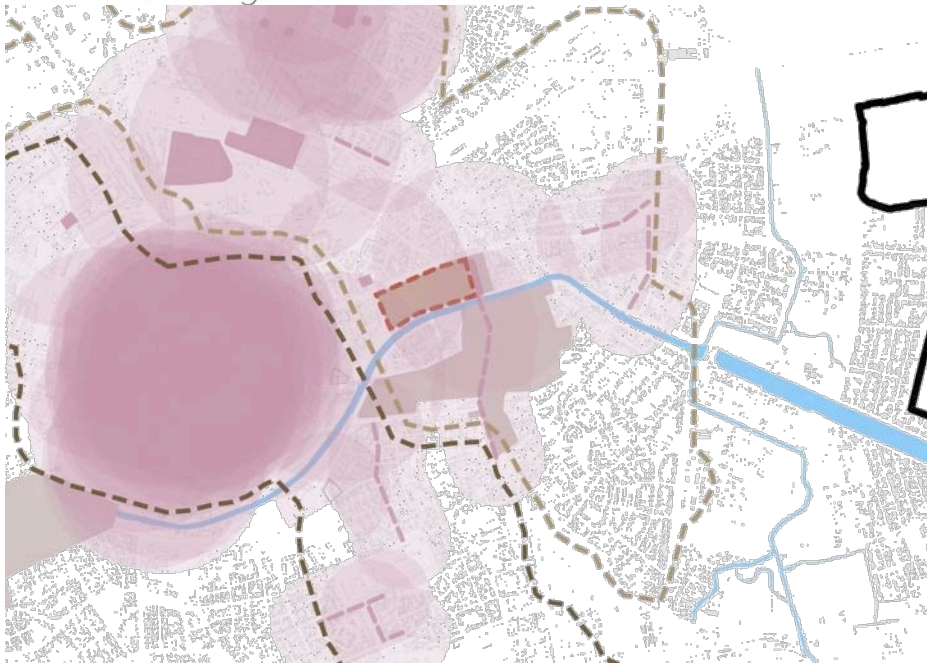


Figure 94 With Additional walking/cycling paths





- LEGEND**
- █ BEGA CANAL
  - █ HISTORICAL AREAS
  - █ SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS
  - SPORTS
  - COMMERCIAL

Figure 95 Commercial Zones with 10mins walking radius



- LEGEND**
- █ BEGA CANAL
  - █ HISTORICAL AREAS
  - █ SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS
  - SPORTS
  - COMMERCIAL
- ADDITIONS**
- SITE

Figure 96 With Additional commercial Area



- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS
  - SPORTS
  - COMMERCIAL
  - AGRICULTURE

Figure 97 Agricultural Zones with 10mins walking radius



- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS
  - SPORTS
  - COMMERCIAL
  - AGRICULTURE
- ADDITIONS**
- SITE

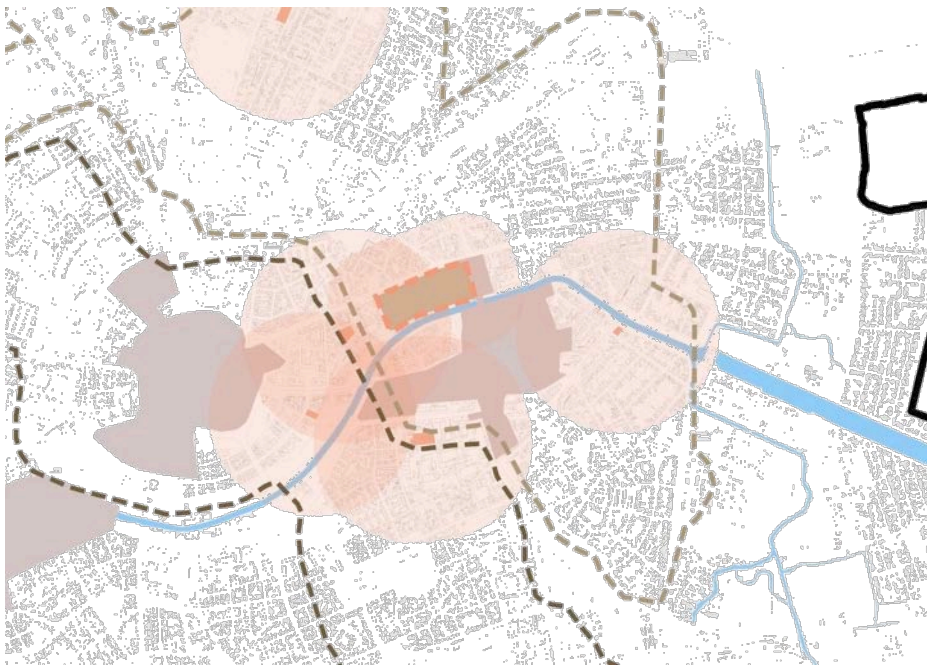
Figure 98 With Additional agricultural Area





- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS
  - SPORTS
  - COMMERCIAL
  - AGRICULTURE
  - EDUCATION
  - PRIMARY/SECONDARY

Figure 99 Primary/Secondary Zones with 10mins walking radius



- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS
  - SPORTS
  - COMMERCIAL
  - AGRICULTURE
  - EDUCATION
  - PRIMARY/SECONDARY
- ADDITIONS**
- SITE

Figure 100 With Additional Primary/Secondary Area



- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS
  - SPORTS
  - COMMERICAL
  - AGRICULTURE
  - EDUCATION
  - PRIMARY/SECONDARY
  - CULTURE

Figure 101 Culture Zones with 10mins walking radius



- LEGEND**
- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
- FUNCTION ZONES**
- ZONE 1 - all functions
  - ZONE 2 - missing 2 functions
- WALKING ZONES 10MINS**
- PUBLIC PARKS
  - SPORTS
  - COMMERICAL
  - AGRICULTURE
  - EDUCATION
  - PRIMARY/SECONDARY
  - CULTURE
- ADDITIONS**
- SITE

Figure 102 With Additional Culture Area



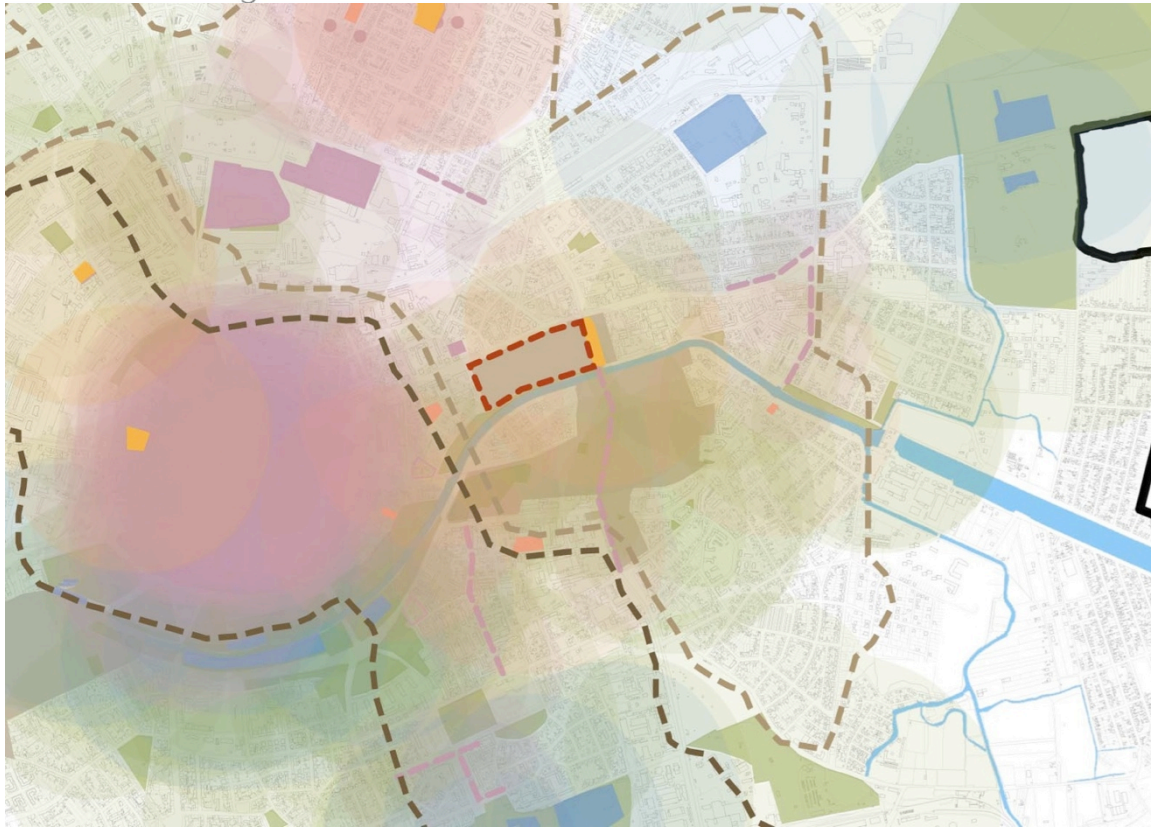


Figure 103 Functionality Summary

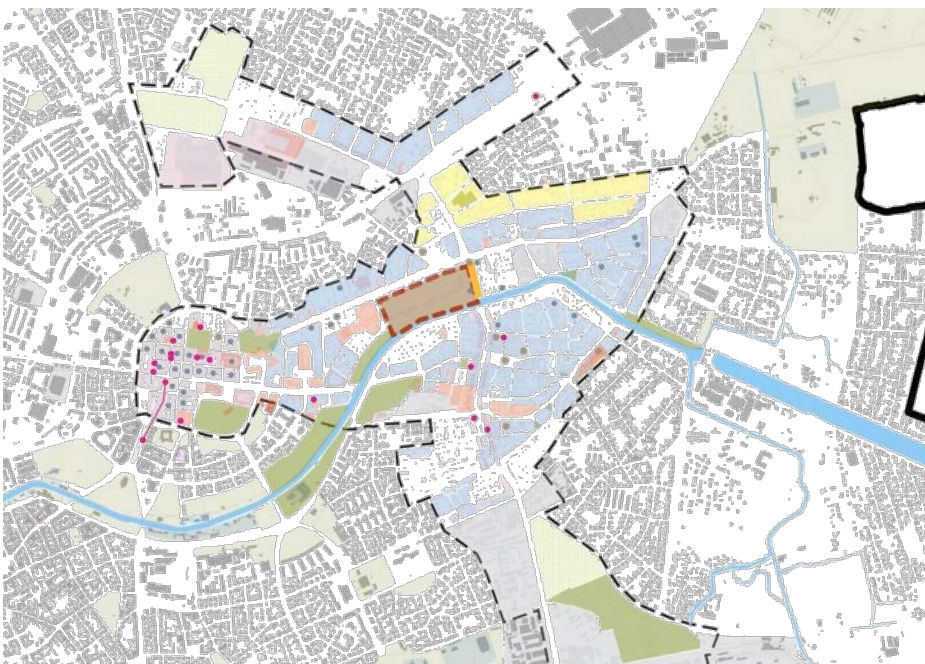
Masterplan – Intermediate



LEGEND

- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
  - PUBLIC PARKS
- PUBLIC TRANSPORT**
- TRAIN STATIONS
  - TRAIN LINE
  - TRAIN DEPOT
  - TROLLEY BUS
  - BUS LINES
  - BOAT PORTS
  - CYCLING & WALKING

Figure 104 Transport Masterplan



LEGEND

- BEGA CANAL
  - HISTORICAL AREAS
  - SITE
  - PUBLIC PARKS
- FUNCTIONS**
- CEMETRIES
  - INDUSTRIAL
  - MIXED USE
  - RESIDENTIAL
  - COMMERCIAL
  - SERVICES
  - HEALTH
  - CULTURE

Figure 105 Functionality Masterplan



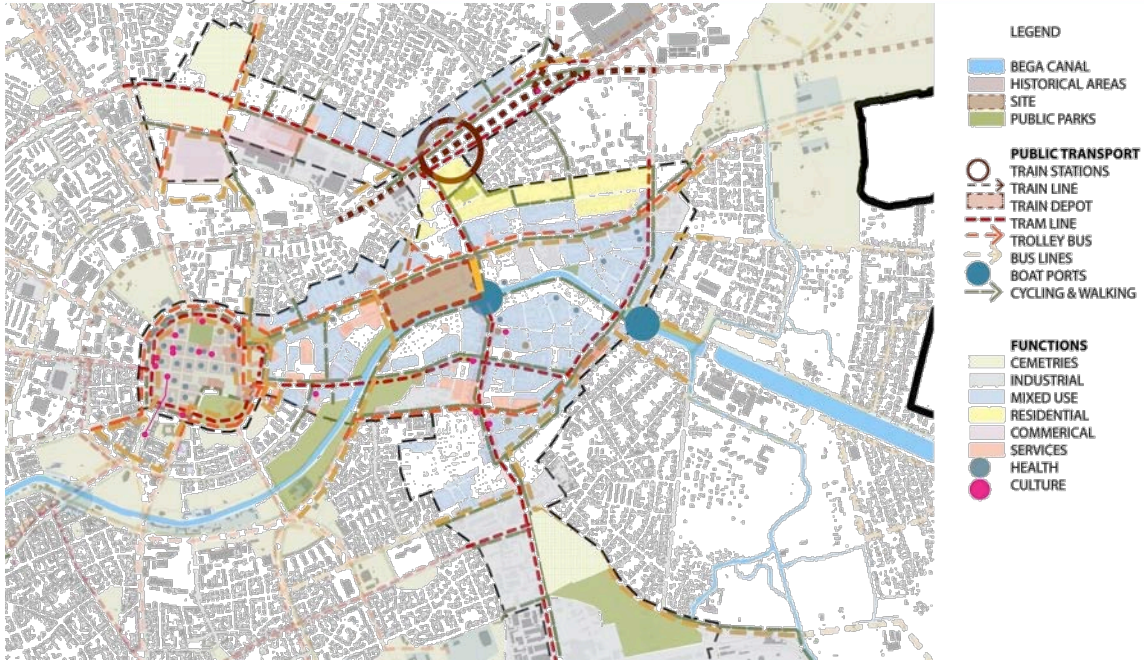
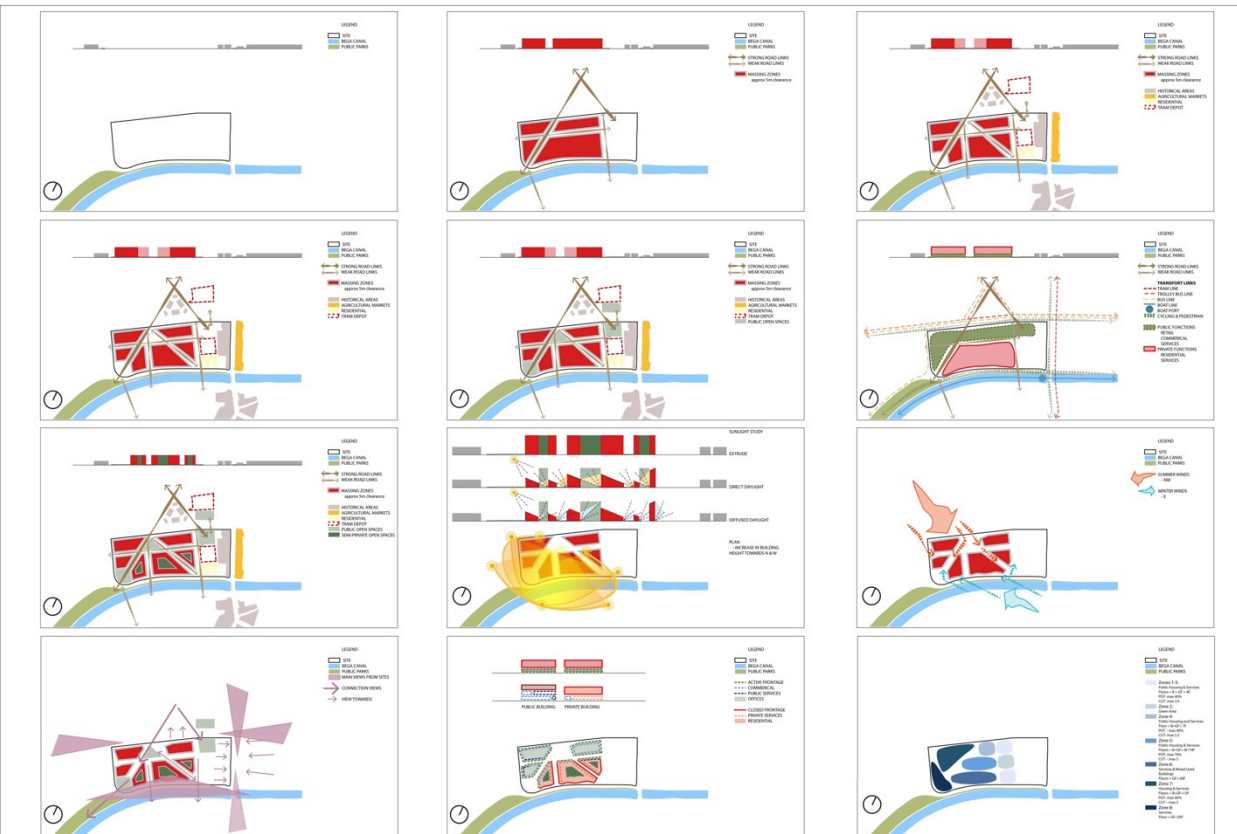


Figure 106 Neighborhood Masterplan

# Timisoara Moving Green



POLITECNICO DI MILANO  
MSc IN Science Architectural Engineering  
GRADUATION THESIS - 2012

**TIMISOARA MOVING GREEN**

Supervisor: Architecture  
PROF. M. TADI  
Coordinator: Technology  
PROF. G. MASERDA

AMANEA DAYSH 781051  
GIZEM KAH-RAMAN 787334  
ELINCA URUSU 786924

BUILDING NAME: CULTURAL FACTORY MASTERPLAN  
DRAWING NAME: URBAN SITE ANALYSIS

SCALE: NTS @ A2  
DATE: 28/11/12  
U06

Figure 107 Site Analysis



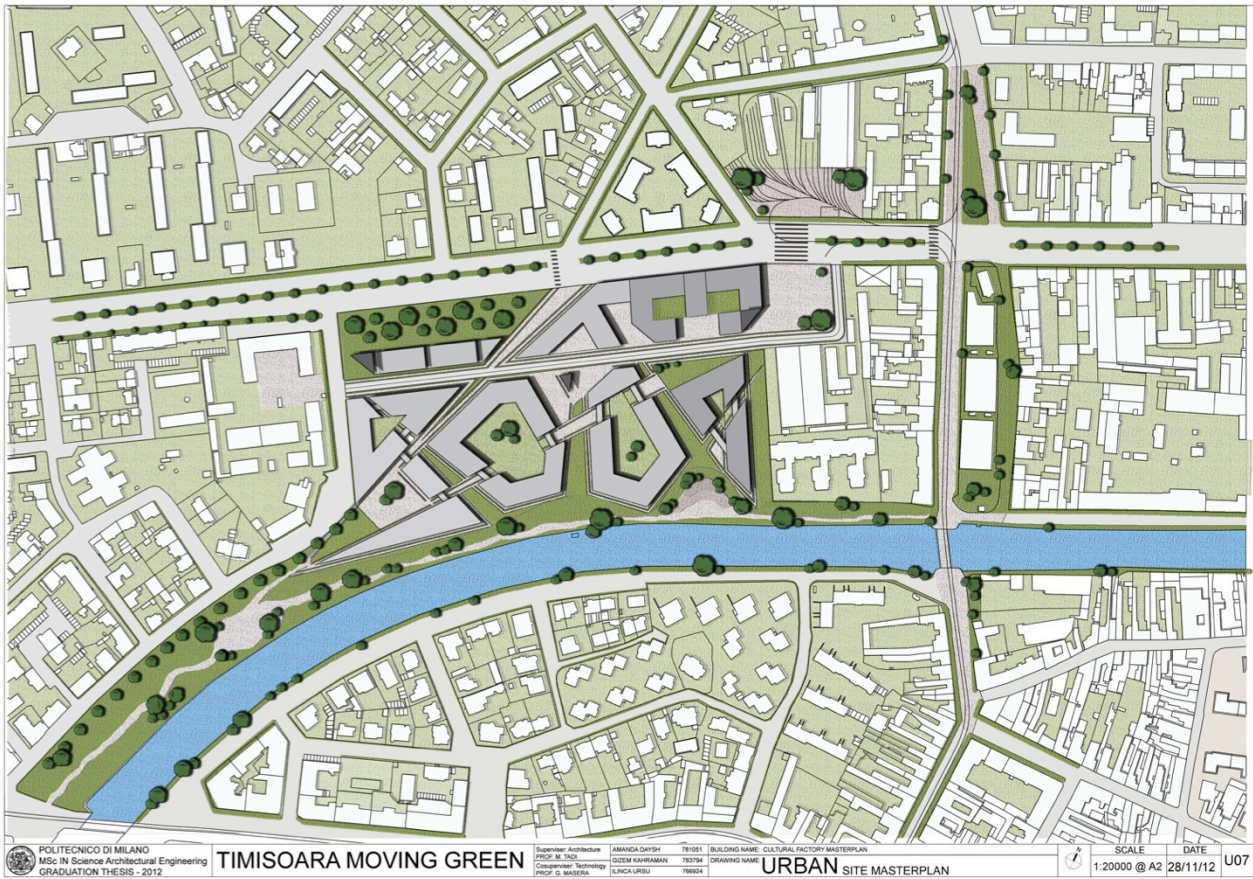


Figure 108 Site Masterplan

Masterplan Analysis

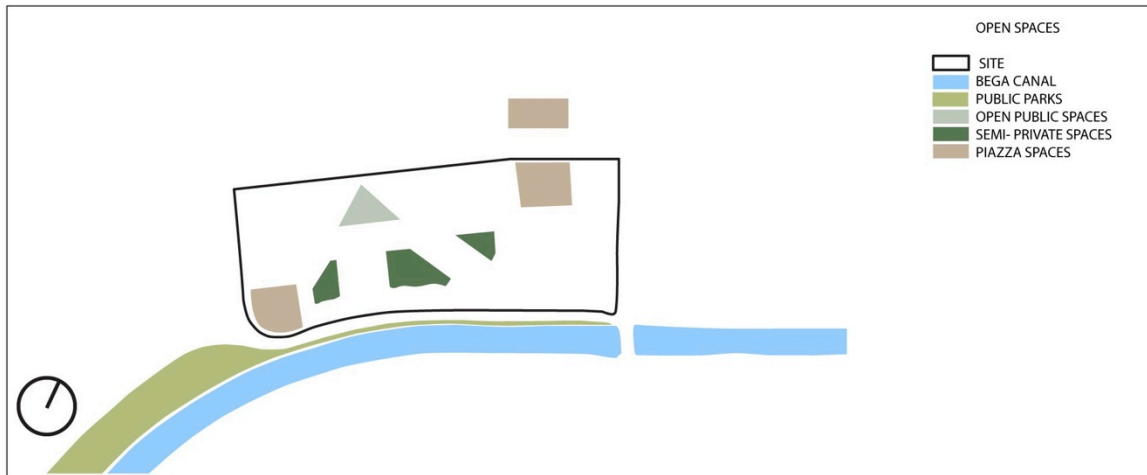


Figure 109



Figure 110

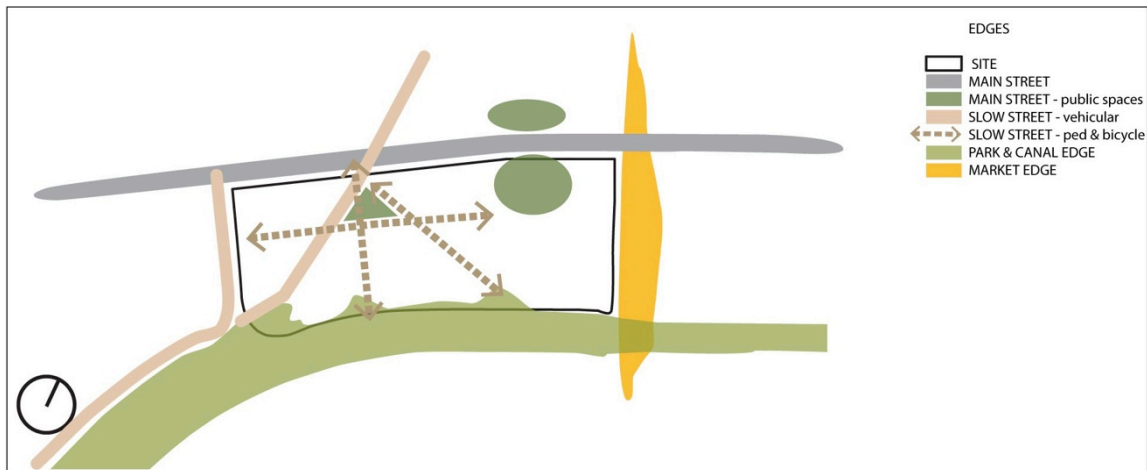


Figure 111



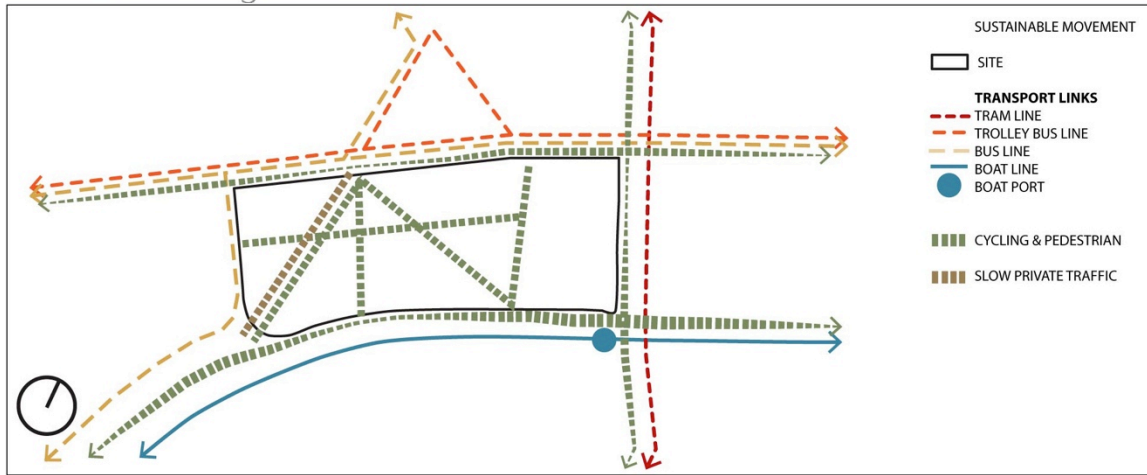


Figure 112

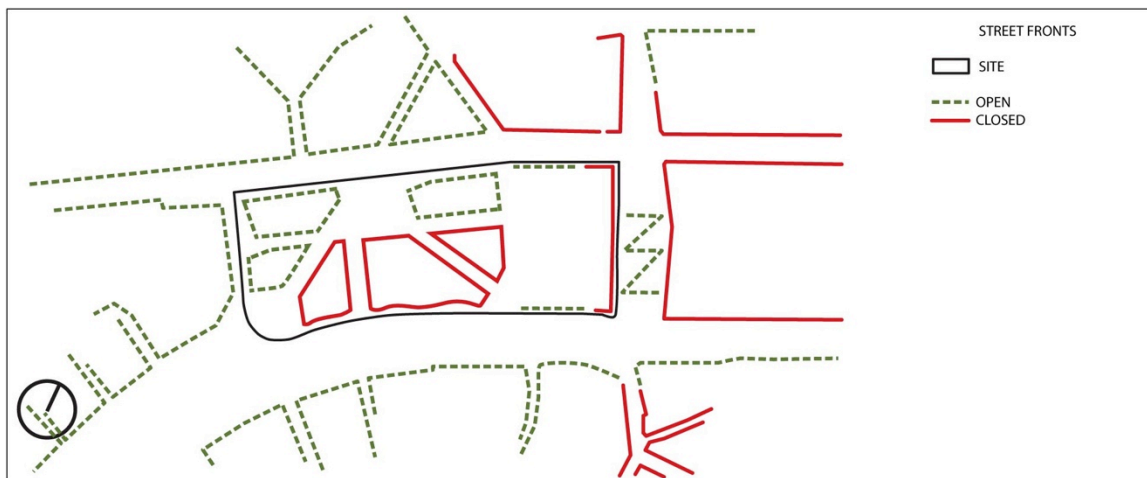


Figure 113

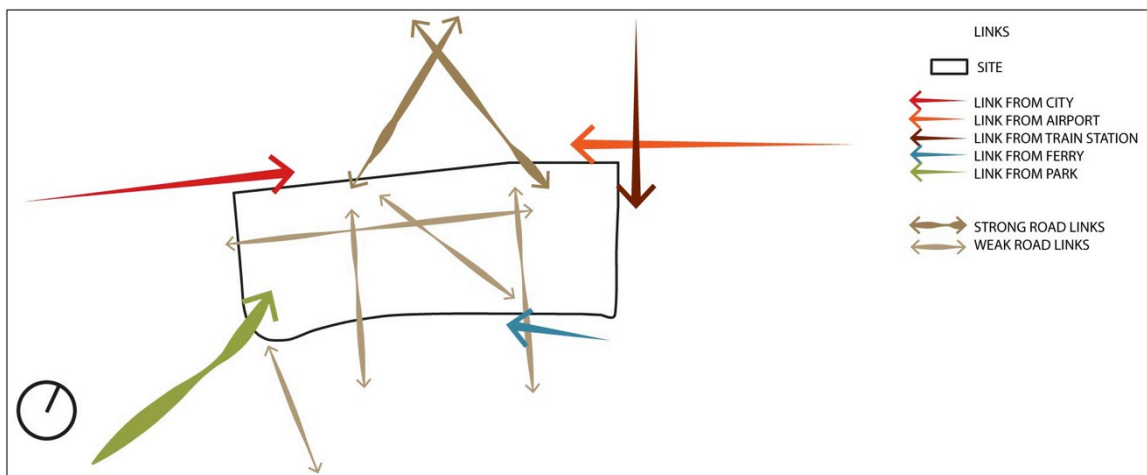


Figure 114

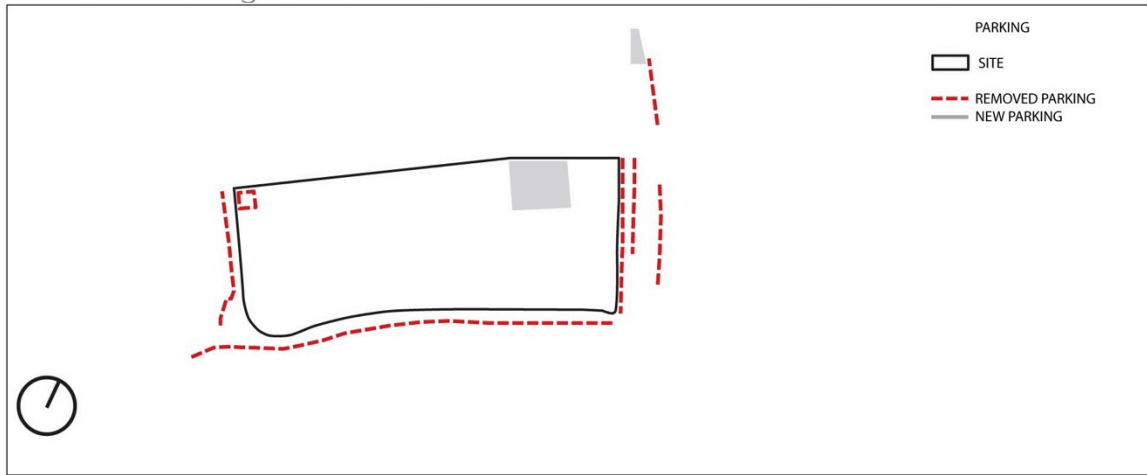


Figure 115

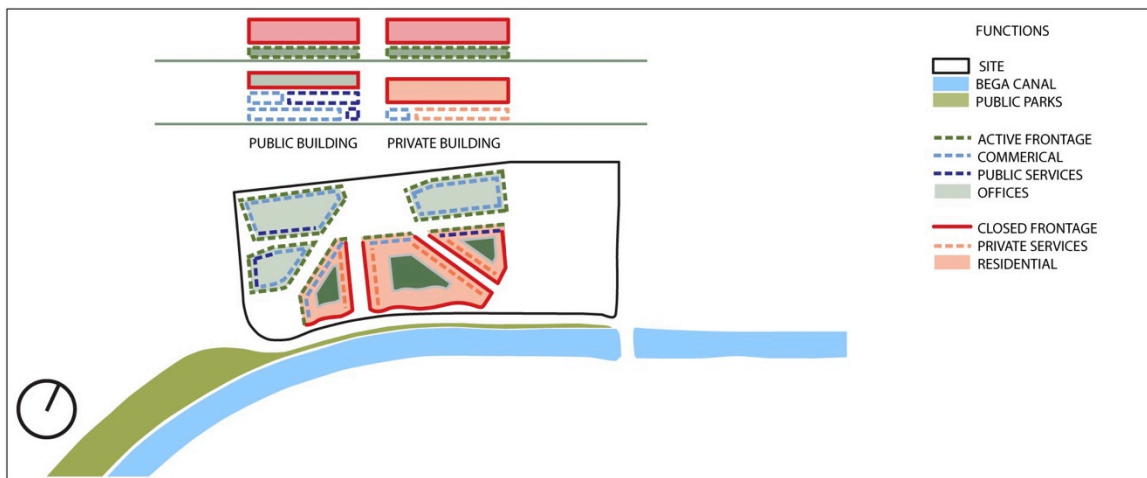


Figure 116









# DRAWING LIST

## URBAN DRAWINGS

U01	MASTERPLAN CITY SCALE	NTS
U02	CITY TRAFFIC SECTIONS SHEET 1	NTS
U03	CITY TRAFFIC SECTIONS SHEET 2	NTS
U04	CITY TRAFFIC SECTIONS SHEET 3	NTS
U05	MASTERPLAN NEIGHBORHOOD SCALE	NTS
U06	SITE ANALYSIS	NTS
U07	MASTERPLAN SITE SCALE	1:200000 @ A2

## ARCHITECTURAL DRAWINGS

SKETCHES		
ASK01	CONCEPT APPROACH	NTS
ASK02	FUNCTIONALITY PLANS & SECTIONS	NTS
(SURROUNDING MASTERPLAN BUILDINGS)		
ASK03	BUILDINGS SHEET 1	NTS
ASK04	BUILDINGS SHEET 2	NTS
ASK05	BUILDINGS SHEET 3	NTS
ASK06	BUILDINGS SHEET 4	NTS
ASK07	BUILDINGS SHEET 5	NTS
ASK08	BUILDINGS SHEET 6	NTS
ASK09	BUILDINGS SHEET 7	NTS
ASK10	BUILDINGS SHEET 8	NTS
ASK11	BUILDINGS SHEET 9	NTS

### MASTER PLAN (A00 SERIES)

A01	GROUND FLOOR PLAN	1:500@A2
A02	FIRST FLOOR PLAN	1:500@A2
A03	SECOND FLOOR PLAN	1:500@A2
A04	THIRD FLOOR PLAN	1:500@A2
A05	ROOF PLAN	1:500@A2

### LIBRARY PLANS (A10 SERIES)

A11	GROUND FLOOR PLAN	1:250@A2
A12	FIRST FLOOR PLAN	1:250@A2
A13	ROOF PLAN	1:250@A2

### LIBRARY ELEVATIONS (A20 SERIES)

A21	ELEVATIONS	1:250@A2
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### LIBRARY SECTIONS (30 SERIES)

A31	SECTIONS	1:250@A2
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## TECHNOLOGY DRAWINGS

SKETCHES		
TSK1	LIGHTING REQUIREMENTS PLANS	NTS
TSK2	SOUND REQUIREMENTS PLANS	NTS
TSK3	AIR REQUIREMENTS PLANS	NTS
TSK4	SERVICES LAYOUTS	NTS
TSK5	FINISHES LAYOUTS	NTS

### BUILDING PLANS (T00 SERIES)

T01	GROUND FLOOR PLAN SHEET 1	1:100@A2
T02	GROUND FLOOR PLAN SHEET 2	1:100@A2
T03	GROUND FLOOR PLAN SHEET 3	1:100@A2
T04	FIRST FLOOR PLAN SHEET 1	1:100@A2
T05	FIRST FLOOR PLAN SHEET 2	1:100@A2
T06	FIRST FLOOR PLAN SHEET 3	1:100@A2

### BUILDING SECTIONS (T10 SERIES)

T11	SECTION 1 - DOUBLE SKIN FACADE	1:20@A2
T12	SECTION 2 - SECTION AA	1:20@A2
T13	SECTION 3 - SECTION BB	1:20@A2
T14	SECTION 4 - SECTION DD	1:20@A2

### DETAILS (T20 SERIES)

T21	DETAILS SHEET 1 - EXTERNAL WALL	1:10@A2
T22	DETAILS SHEET 2 - INTERNAL WALL & FLOOR	1:10@A2
T23	DETAILS SHEET 3 - FLOOR / NODES 1, 2 & 3	1:10@A2

### DETAILS FOR REPORT (D SERIES)

D01	WALL DETAILS (EXTERNAL) W01, W02	1:10@A4
D02	WALL DETAILS (EXTERNAL) W03, W04	1:10@A4
D03	WALL DETAILS (EXTERNAL) W05, W06	1:10@A4
D04	WALL DETAILS (EXTERNAL) W07	1:10@A4
D05	WALL DETAILS (INTERNAL) W10, W11, W12	1:10@A4
D06	WALL DETAILS (INTERNAL) W13, W14	1:10@A4
D07	FLOOR DETAILS: F01, F02, F03, F04	1:10@A4
D08	FLOOR DETAILS: F05, F06, F07, F08	1:10@A4
D09	FLOOR DETAILS F09, F10, F11	1:10@A4

## STRUCTURAL DRAWINGS

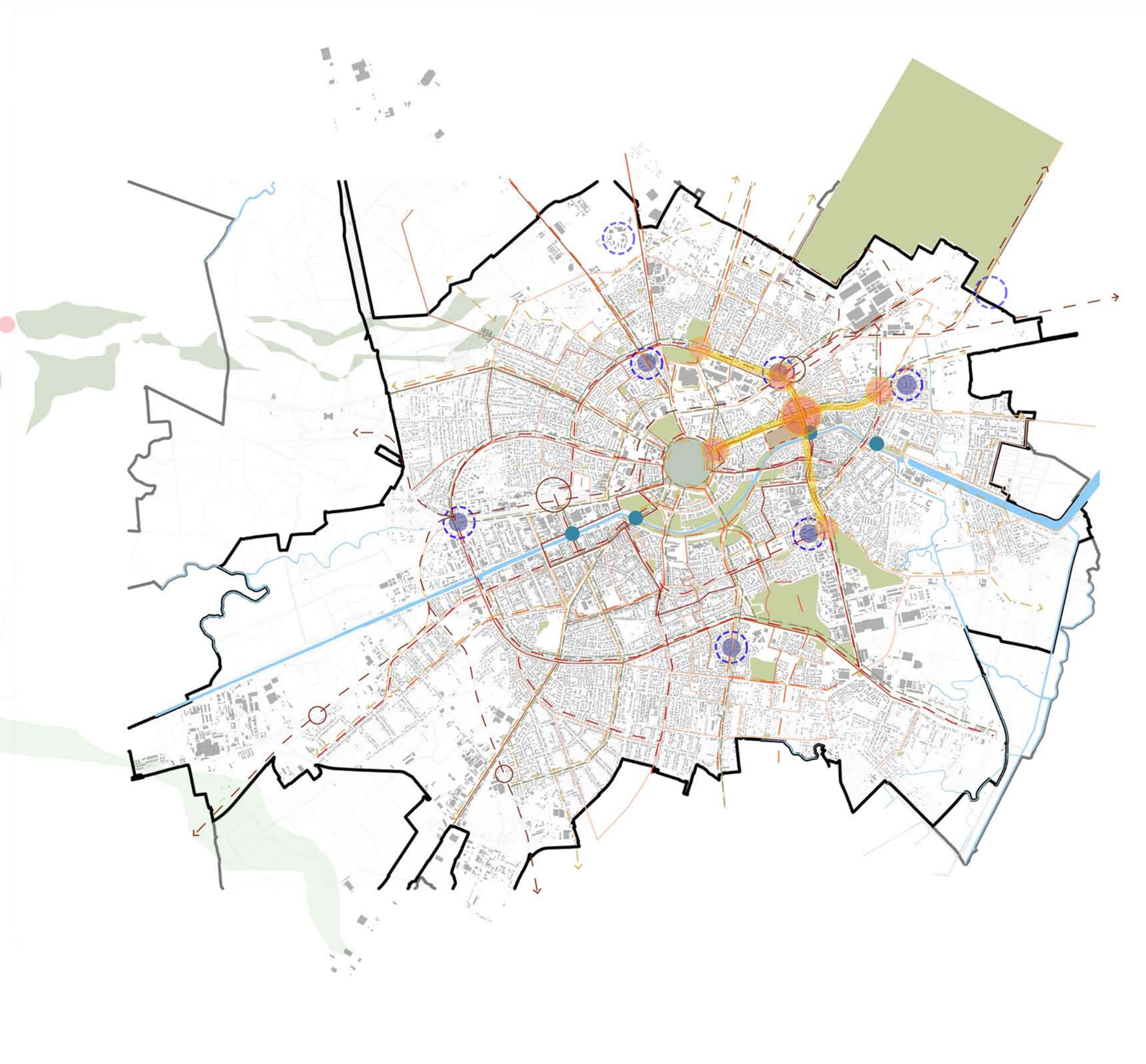
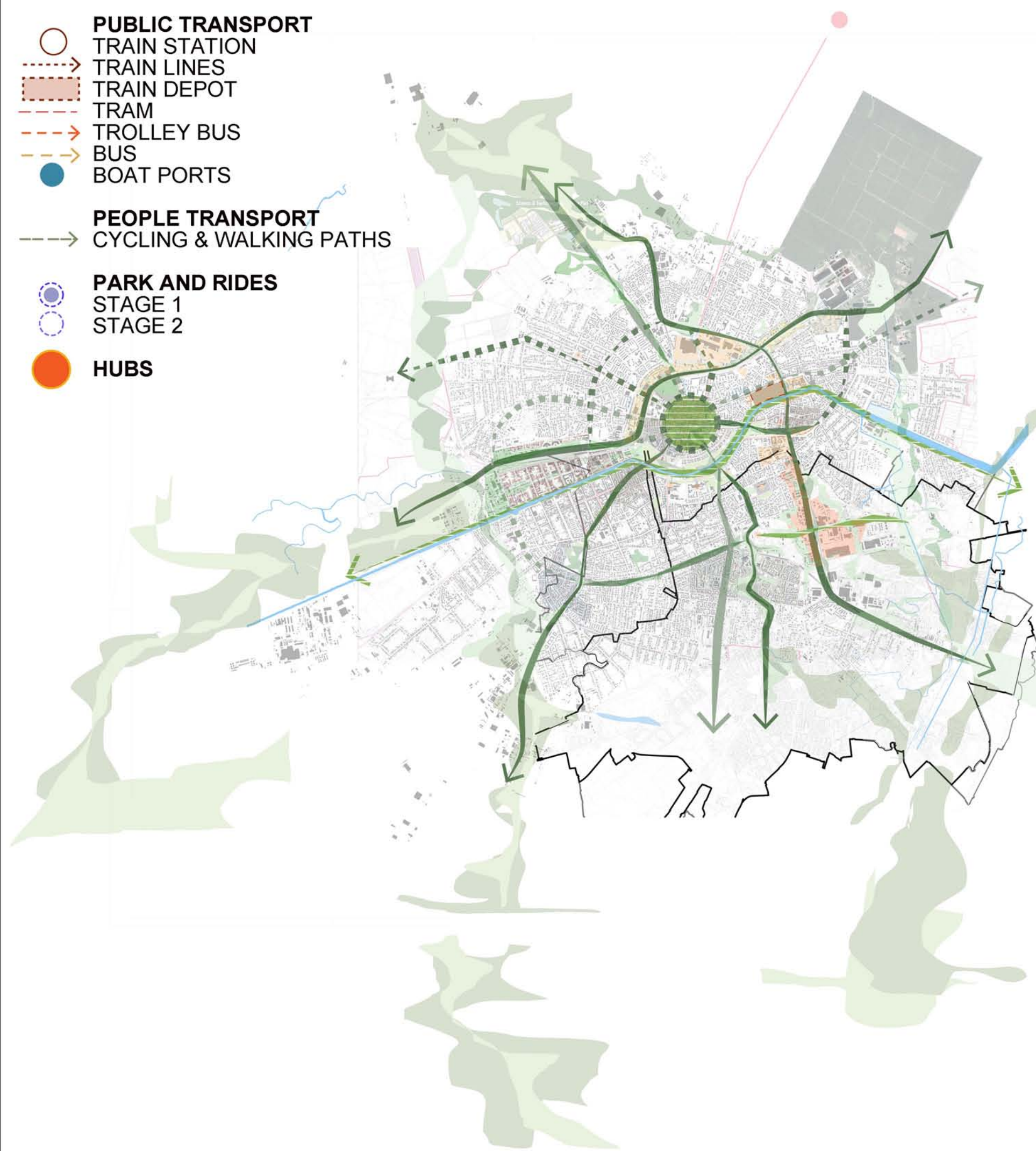
### STRUCTURAL PLANS (S00 SERIES)

S01	GROUND FLOOR PLAN	1:500 @A2
S02	FIRST FLOOR PLAN	1:500 @A2
S03	ROOF PLAN	1:500 @A2



LEGEND

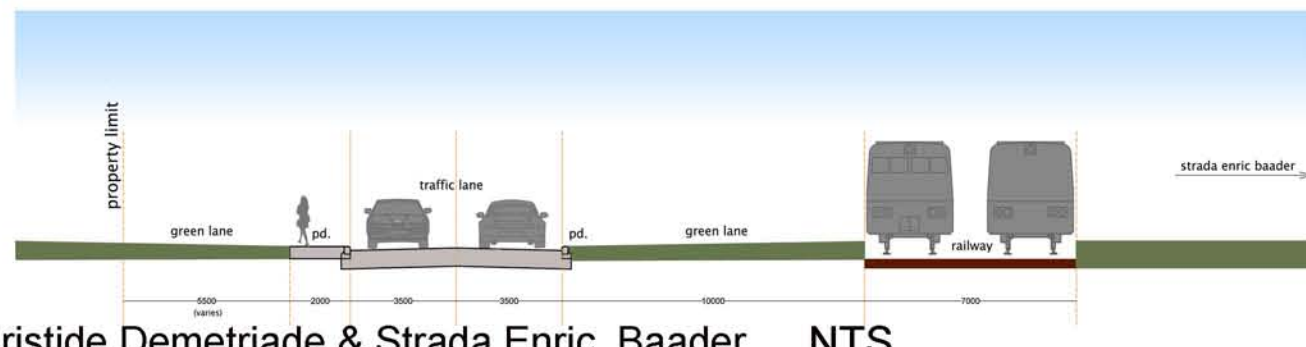
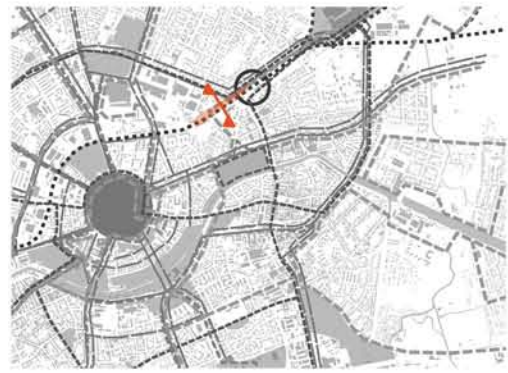
- BEGA CANAL
- SITE
- PROPOSED ADDITIONS
- PUBLIC PARKS
  
- BIKE PATHS**
- CONNECTIONS WITH CENTRE
- RAPID CONNECTIONS
- LEISURE & FAST CONNECTIONS
  
- PUBLIC TRANSPORT**
- TRAIN STATION
- TRAIN LINES
- TRAIN DEPOT
- TRAM
- TROLLEY BUS
- BUS
- BOAT PORTS
  
- PEOPLE TRANSPORT**
- CYCLING & WALKING PATHS
  
- PARK AND RIDES**
- STAGE 1
- STAGE 2
  
- HUBS



1 MASTERPLAN URBAN MASTERPLAN NTS

2 TRAFFIC LAYER URBAN MASTERPLAN NTS



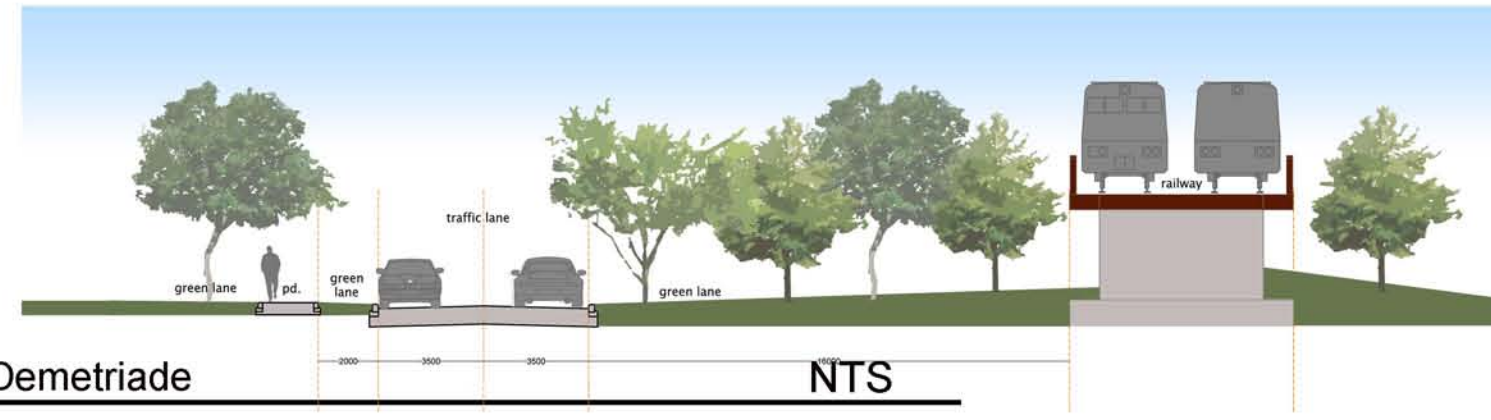


1 SECTION 1A / Corner Strada Aristide Demetriade & Strada Enric Baader NTS  
EXISTING SITUATION

STAGE 1:  
- WIDEN PEDESTRAIN PATHS TO INTRODUCTE CYCLING LANES  
- TREES PLANTED ALONG GREEN LANE

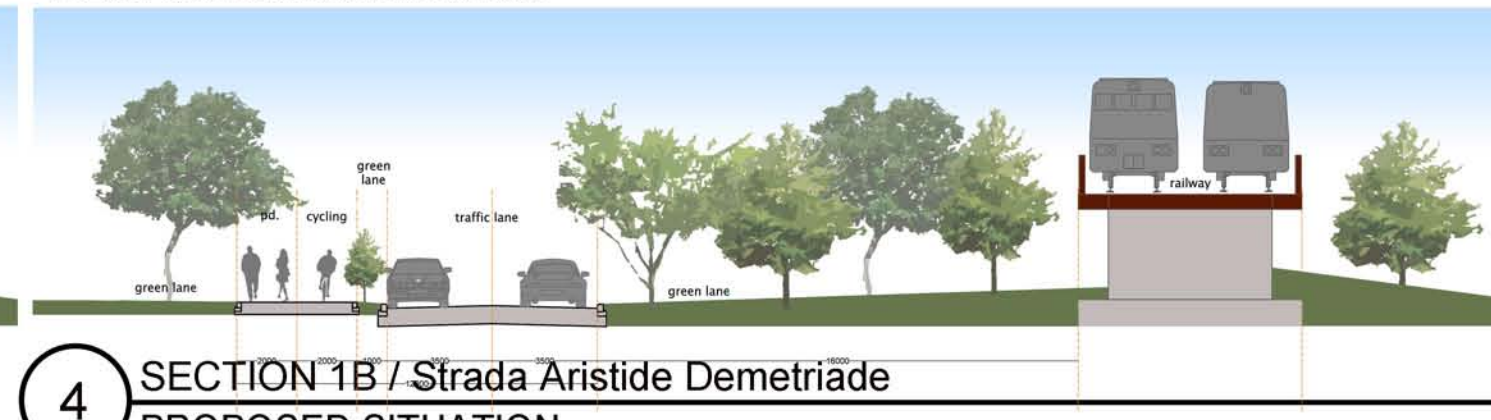


2 SECTION 1A / Corner Strada Aristide Demetriade & Strada Enric Baader NTS  
PROPOSED SITUATION

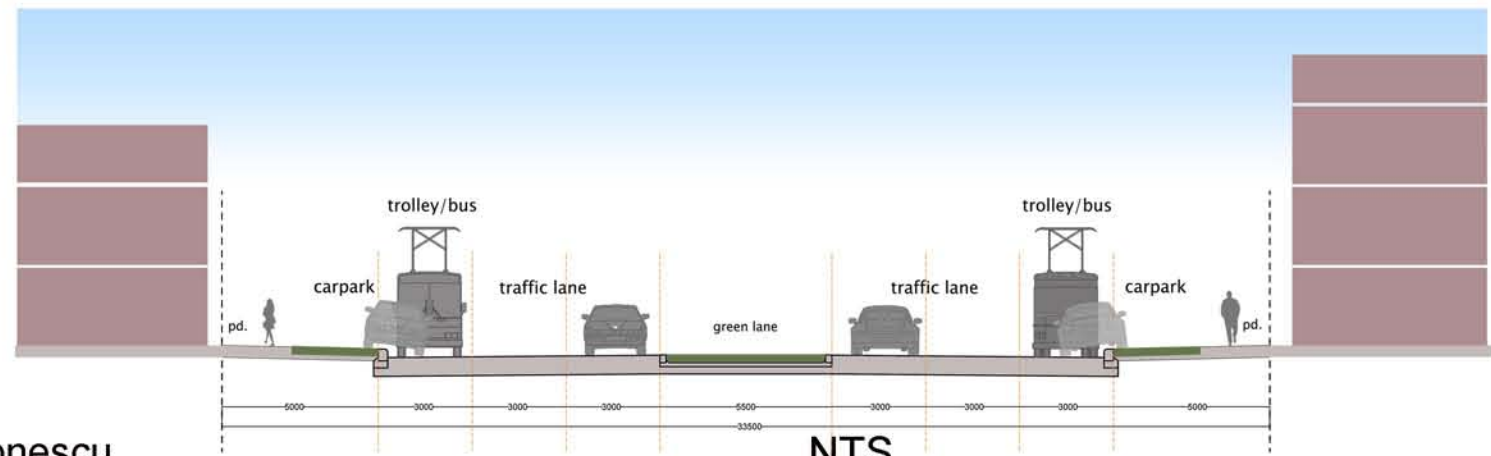


3 SECTION 1B / Strada Aristide Demetriade NTS  
EXISTING SITUATION

STAGE 1:  
- WIDEN PEDESTRAIN PATHS TO INTRODUCTE CYCLING LANES  
- TREES PLANTED ALONG GREEN LANE

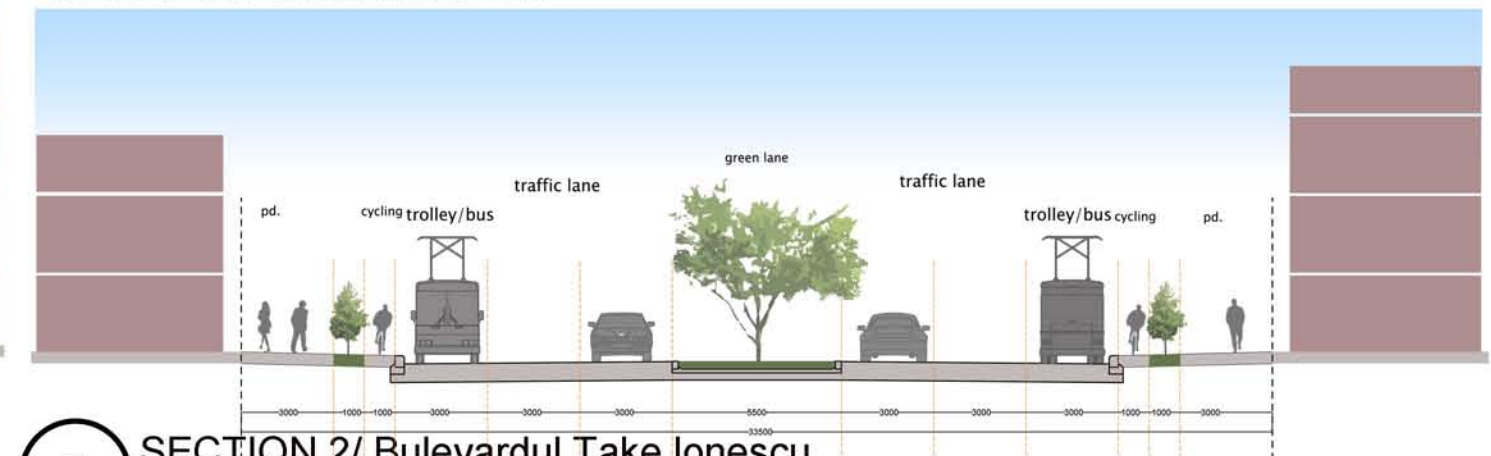


4 SECTION 1B / Strada Aristide Demetriade NTS  
PROPOSED SITUATION

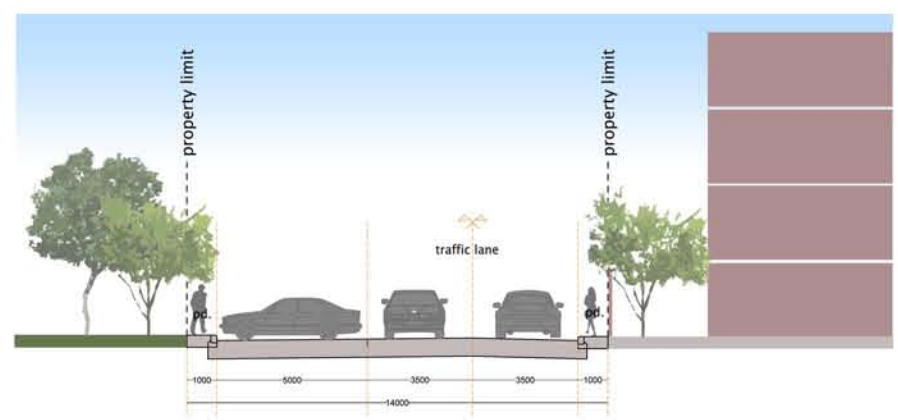


5 SECTION 2/ Bulevardul Take Ionescu NTS  
EXISTING SITUATION

STAGE 1:  
- REMOVE CARPARKS =  $532m/5m = 106/3 = 35 \times 2$  cars approx.  
- INTRODUCTE CYCLING LANES  
- TREES PLANTED ALONG GREEN LANE

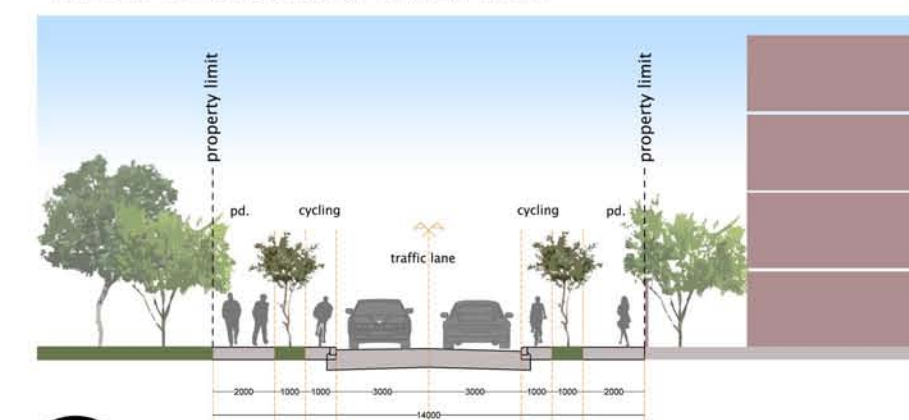


6 SECTION 2/ Bulevardul Take Ionescu NTS  
PROPOSED SITUATION



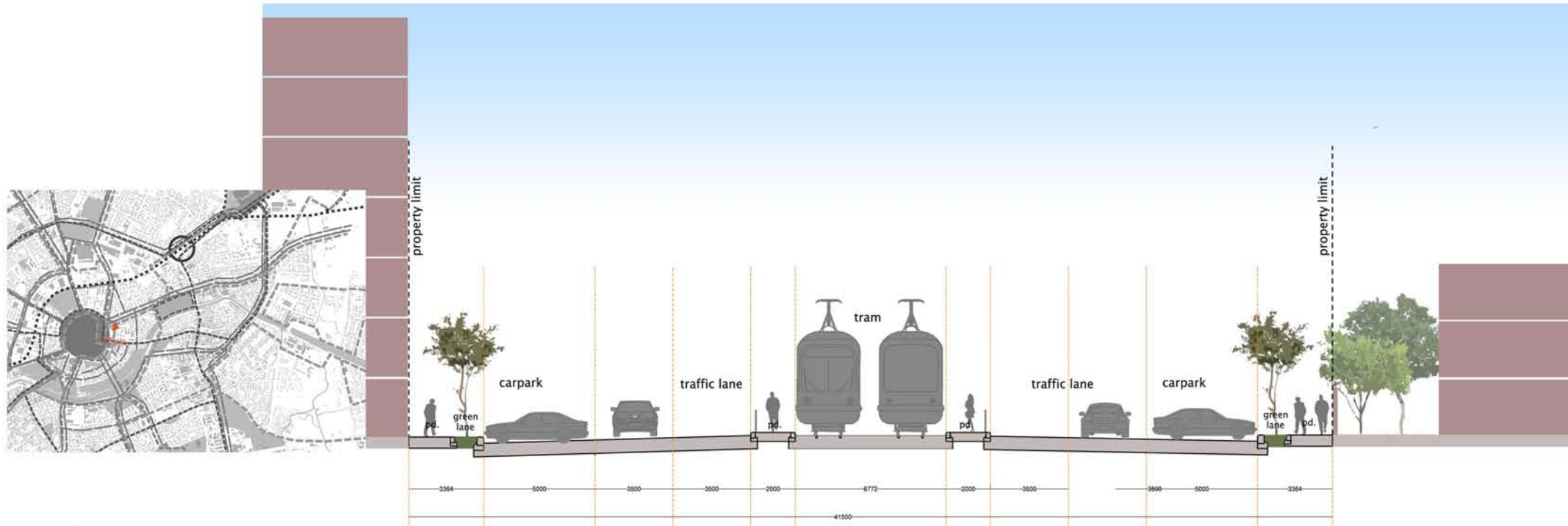
7 SECTION 3/ Strada Academician Dimitrie Gusti NTS  
EXISTING SITUATION

STAGE 1:  
- REMOVE CARPARKS =  $(41m/3m = 13)(190m - 41m = 149/5 = 30/2 = 15) [13+15] \times 2 = 56$  cars approx  
- WIDEN PEDESTRIAN PATHS  
- INTRODUCTE CYCLING LANES  
- TREES PLANTED ALONG GREEN LANE



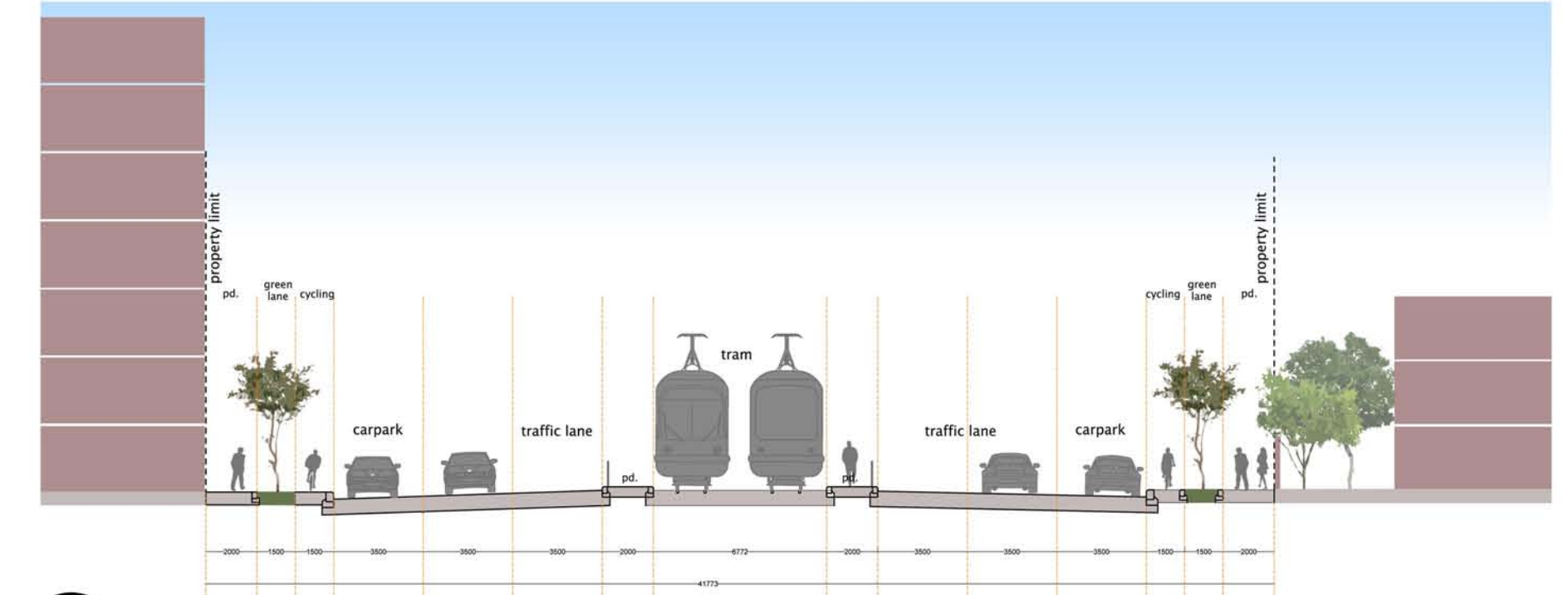
8 SECTION 3/ Strada Academician Dimitrie Gusti NTS  
PROPOSED SITUATION



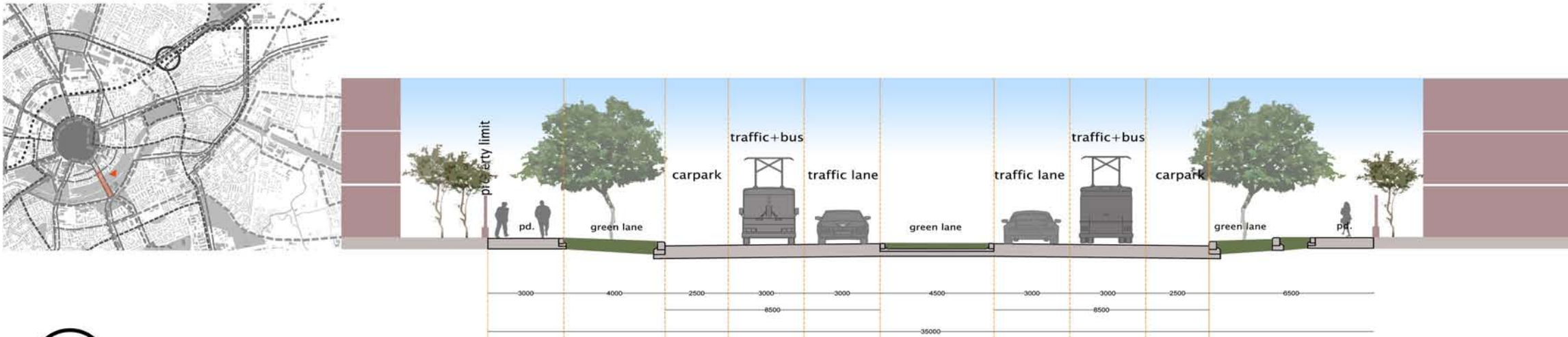


1 SECTION 4 / Corner Boulevardul Revolutiei Din 1989 & Strada Hector  
EXISTING SITUATION NTS

STAGE 1:  
- INTRODUCE PARALLEL PARKING  
- INTDROUCE CYCLING LANES

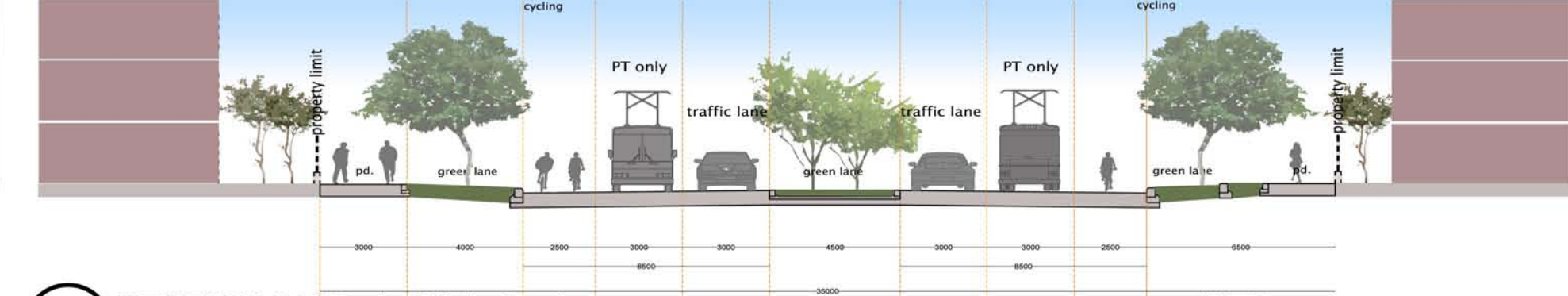


2 SECTION 4 / Corner Boulevardul Revolutiei Din 1989 & Strada Hector  
PROPOSED SITUATION NTS



3 SECTION 5 / Strada Michelangelo  
EXISTING SITUATION NTS

STAGE 1:  
- REMOVE CARPARKING / ONE LANE OF CARS  
- INTDROUCE CYCLING LANES  
- INTRODUCE PT ONLY LINES



4 SECTION 5 / Strada Michelangelo  
PROPOSED SITUATION NTS

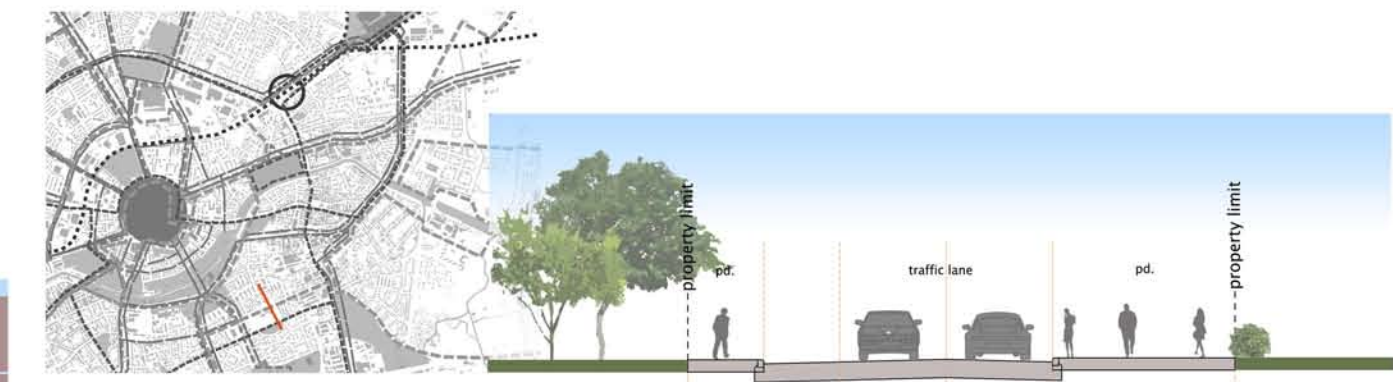


5 SECTION 6 / Spalini Protopop Meletie Draghici  
EXISTING SITUATION NTS

STAGE 1:  
- REMOVE CARPARKING =  $353m / 5 = 70/2 \times 2 = 70$  cars approx.  
- INTDROUCE CYCLING LANES  
- WIDEN PEDETRIAN PATHS



6 SECTION 6 / Spalini Protopop Meletie Draghici  
PROPOSED SITUATION NTS



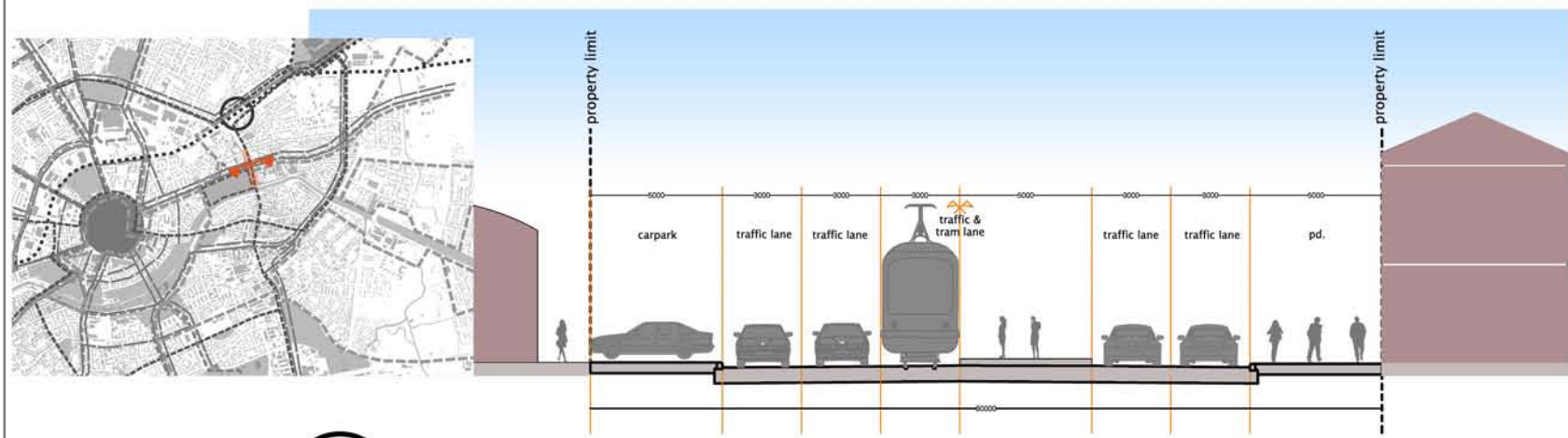
7 SECTION 7 / Bulevardul Eroilor de la Tisa  
EXISTING SITUATION NTS

STAGE 1:  
- REMOVE CARPARKING IN TRAFFIC LANES  
- INTRODUCE CYCLING LANES  
- INTRODUCE GREEN SPACES  
- WIDEN PEDETRIAN PATHS IF NECESSARY

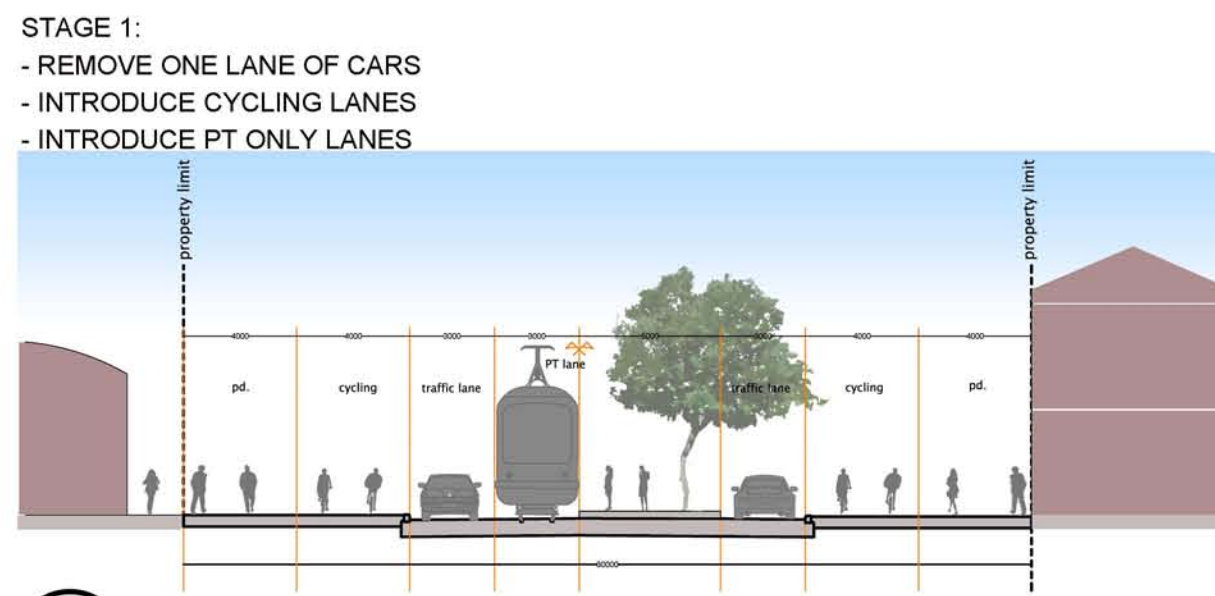


8 SECTION 7 / Bulevardul Eroilor de la Tisa  
PROPOSED SITUATION NTS

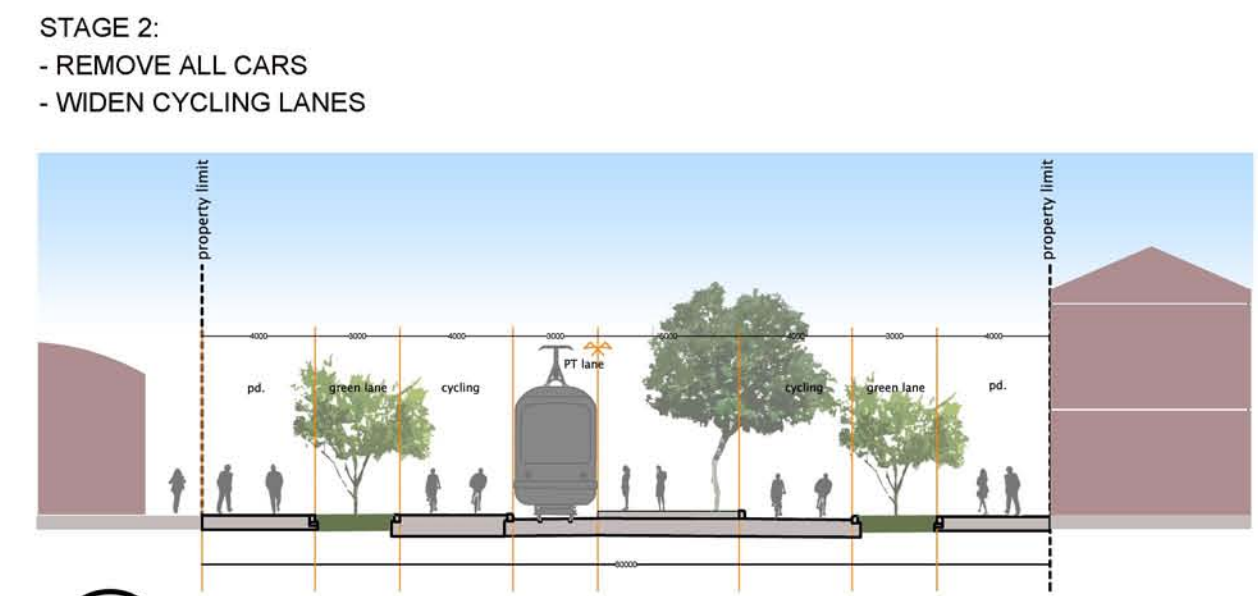




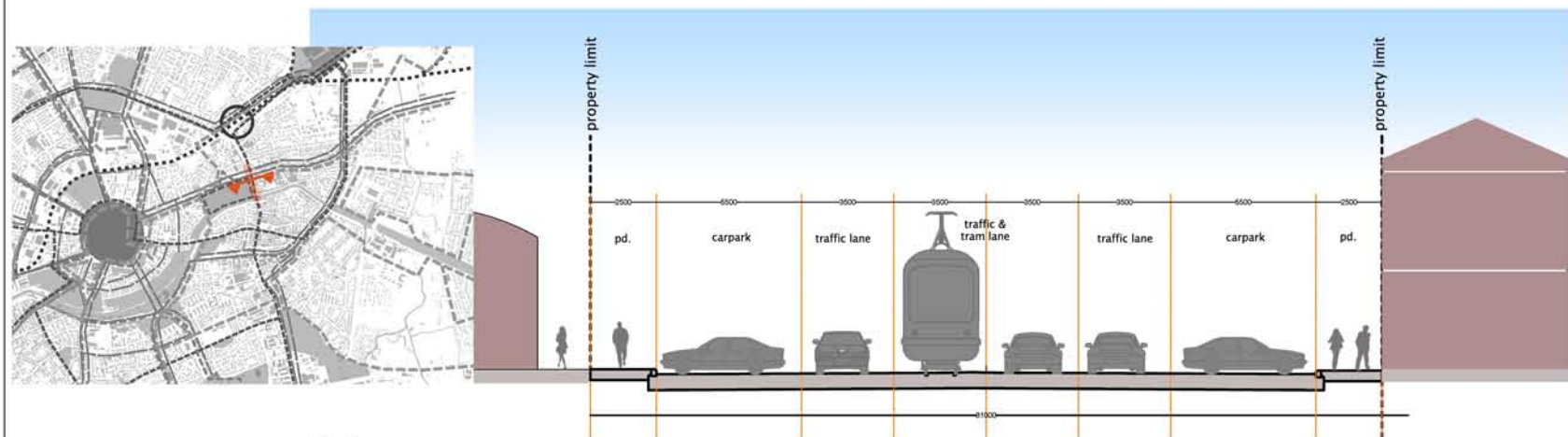
1 SECTION 8a / Piata Badea Cartan  
EXISTING SITUATION NTS



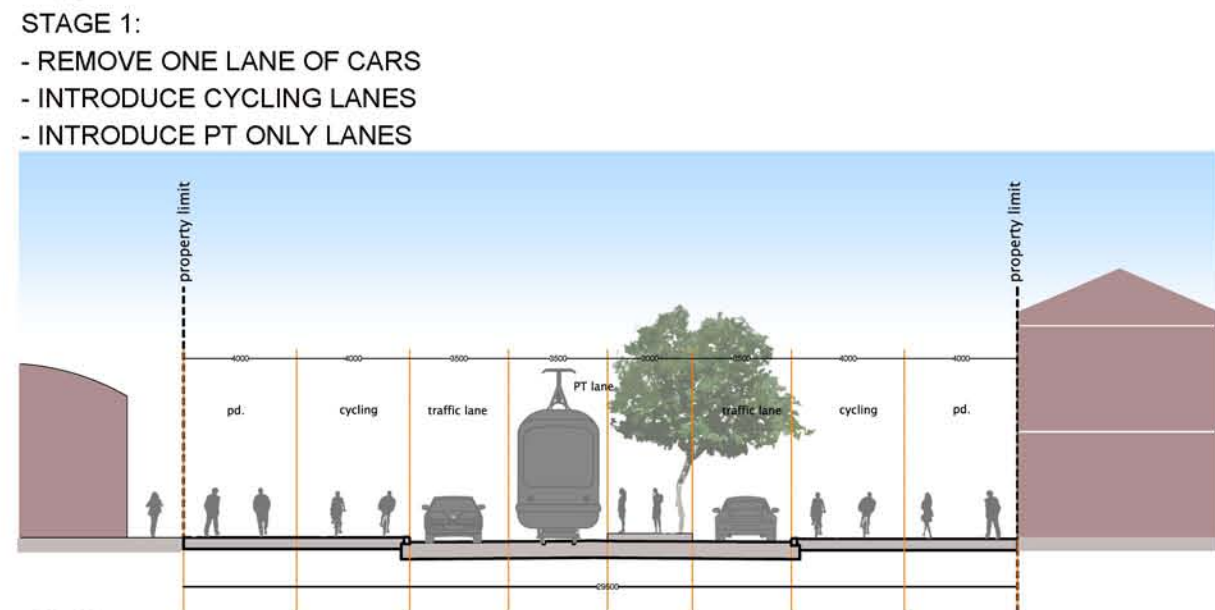
2 SECTION 8a / Piata Badea Cartan  
PROPOSED SITUATION STAGE 1 NTS



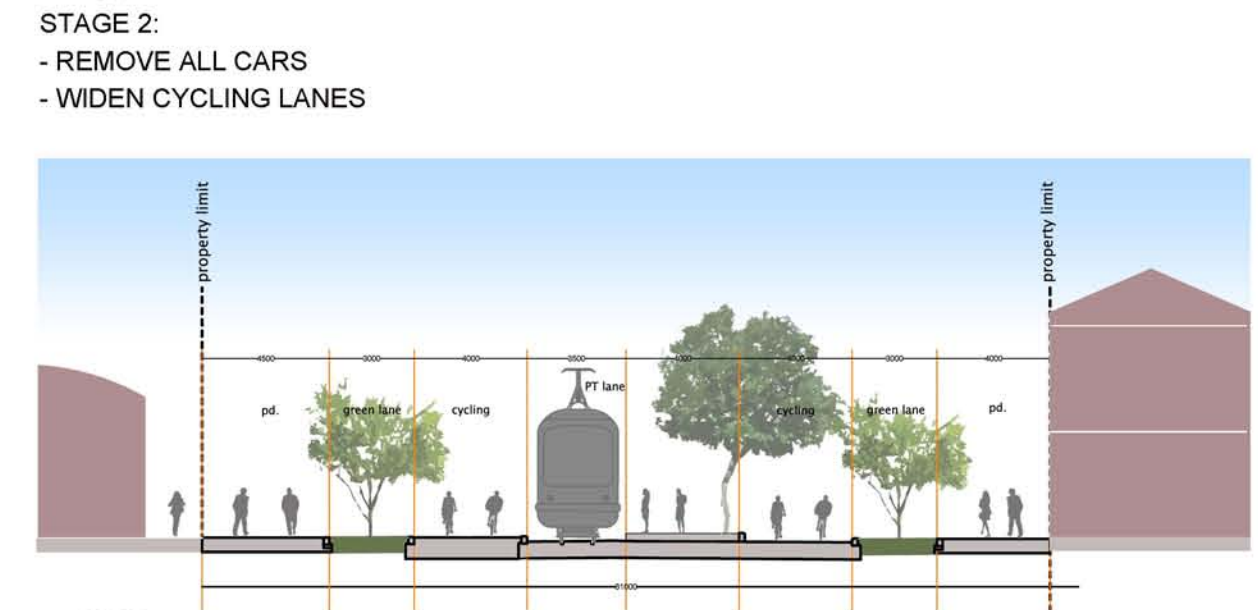
3 SECTION 8a / Piata Badea Cartan  
PROPOSED SITUATION STAGE 2 NTS



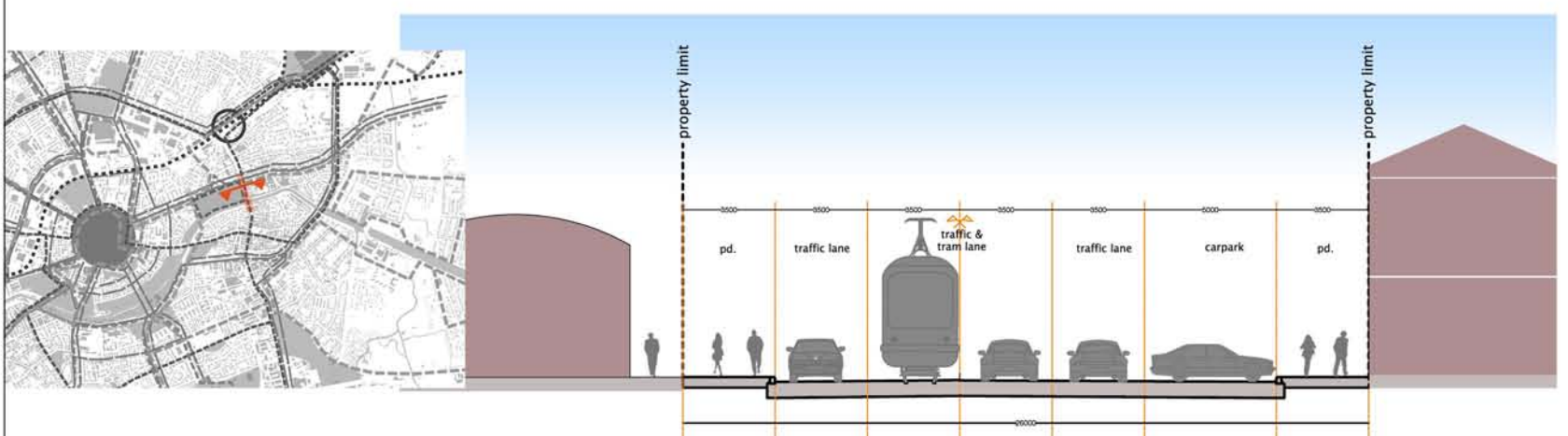
4 SECTION 8b / Piata Badea Cartan  
EXISTING SITUATION NTS



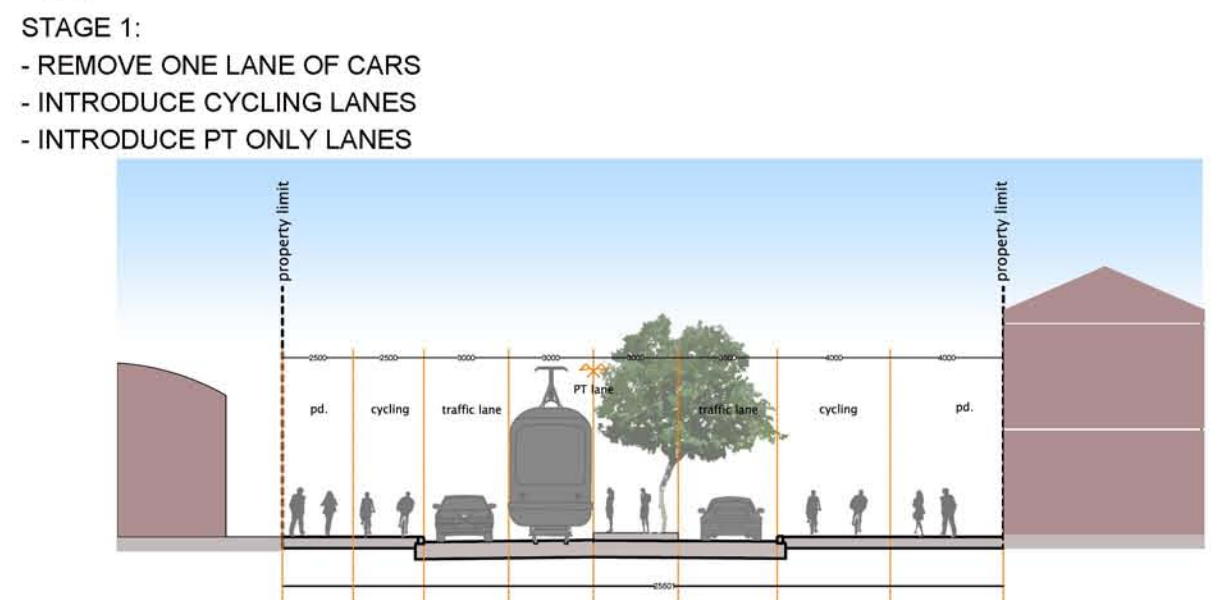
5 SECTION 8b / Piata Badea Cartan  
PROPOSED SITUATION STAGE 1 NTS



6 SECTION 8b / Piata Badea Cartan  
PROPOSED SITUATION STAGE 2 NTS



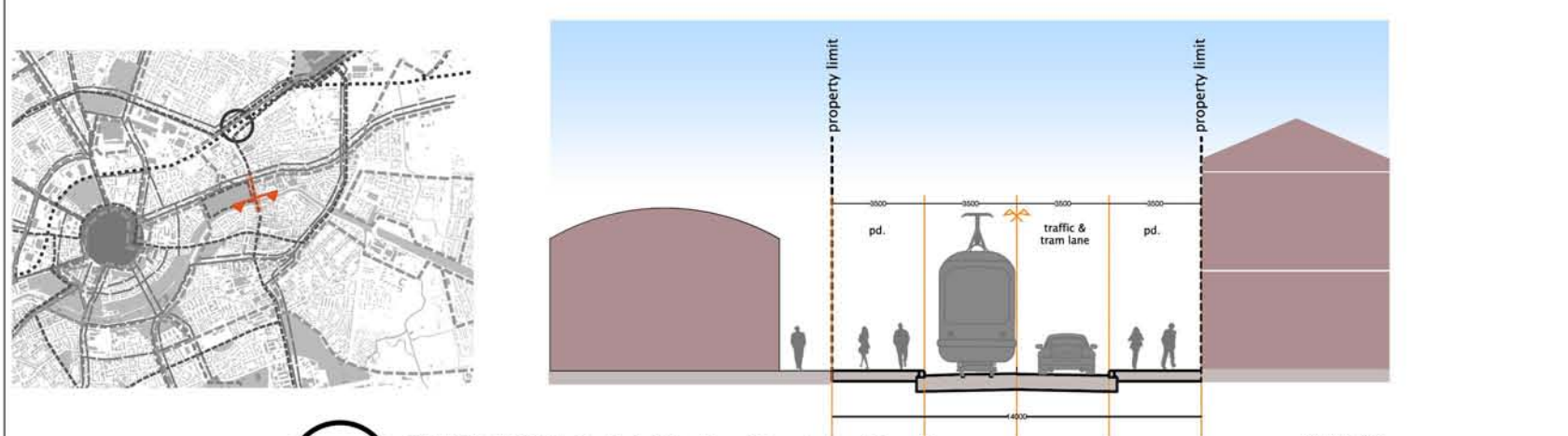
7 SECTION 8c / Piata Badea Cartan  
EXISTING SITUATION NTS



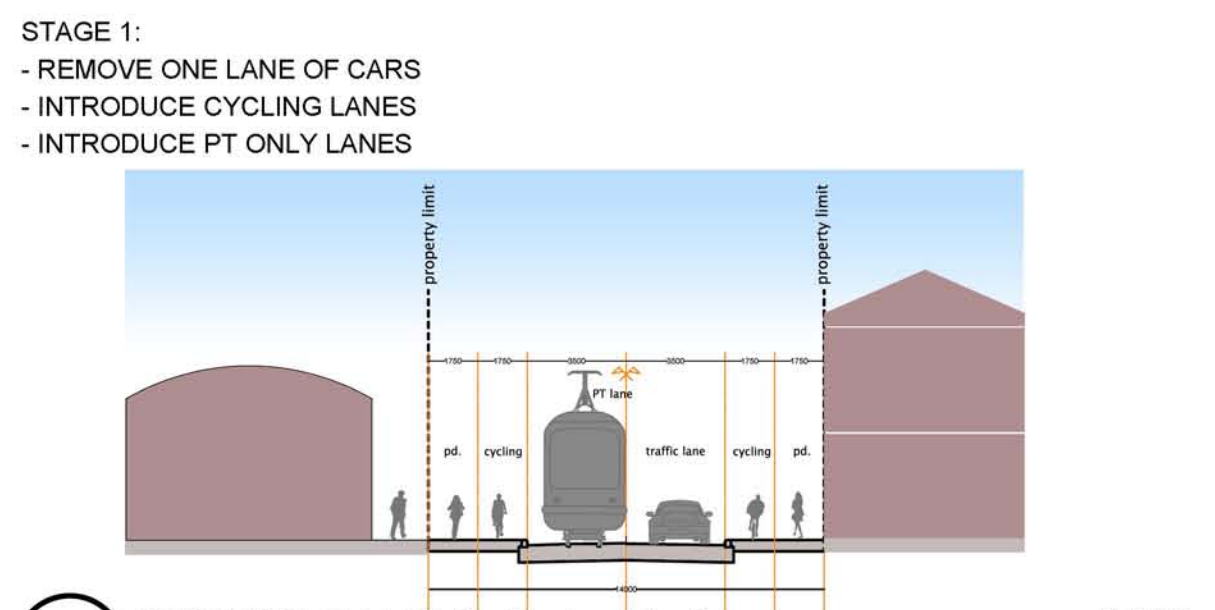
8 SECTION 8c / Piata Badea Cartan  
PROPOSED SITUATION STAGE 1 NTS



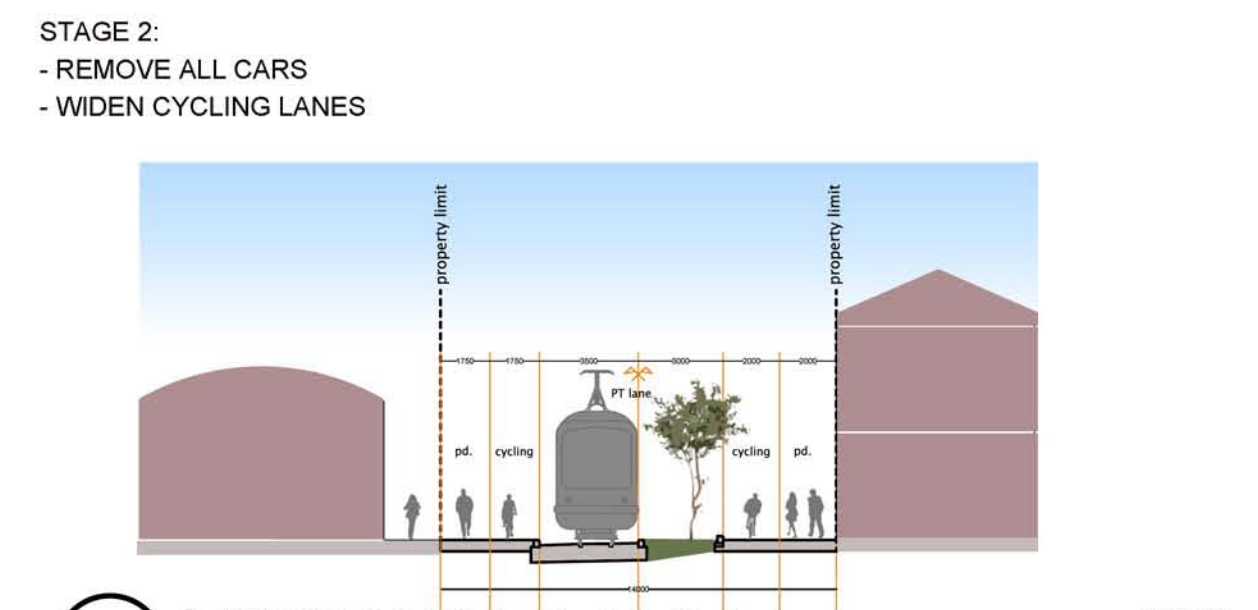
9 SECTION 8c / Piata Badea Cartan  
PROPOSED SITUATION STAGE 2 NTS



10 SECTION 8d / Piata Badea Cartan  
EXISTING SITUATION NTS



11 SECTION 8d / Piata Badea Cartan  
PROPOSED SITUATION STAGE 1 NTS



12 SECTION 8d / Piata Badea Cartan  
PROPOSED SITUATION STAGE 2 NTS

STAGE 1:  
- REMOVE ONE LANE OF CARS  
- INTRODUCE CYCLING LANES  
- INTRODUCE PT ONLY LANES

STAGE 1:  
- REMOVE ONE LANE OF CARS  
- INTRODUCE CYCLING LANES  
- INTRODUCE PT ONLY LANES

STAGE 1:  
- REMOVE ONE LANE OF CARS  
- INTRODUCE CYCLING LANES  
- INTRODUCE PT ONLY LANES

STAGE 1:  
- REMOVE ONE LANE OF CARS  
- INTRODUCE CYCLING LANES  
- INTRODUCE PT ONLY LANES

STAGE 2:  
- REMOVE ALL CARS  
- WIDEN CYCLING LANES

STAGE 2:  
- REMOVE ALL CARS  
- WIDEN CYCLING LANES

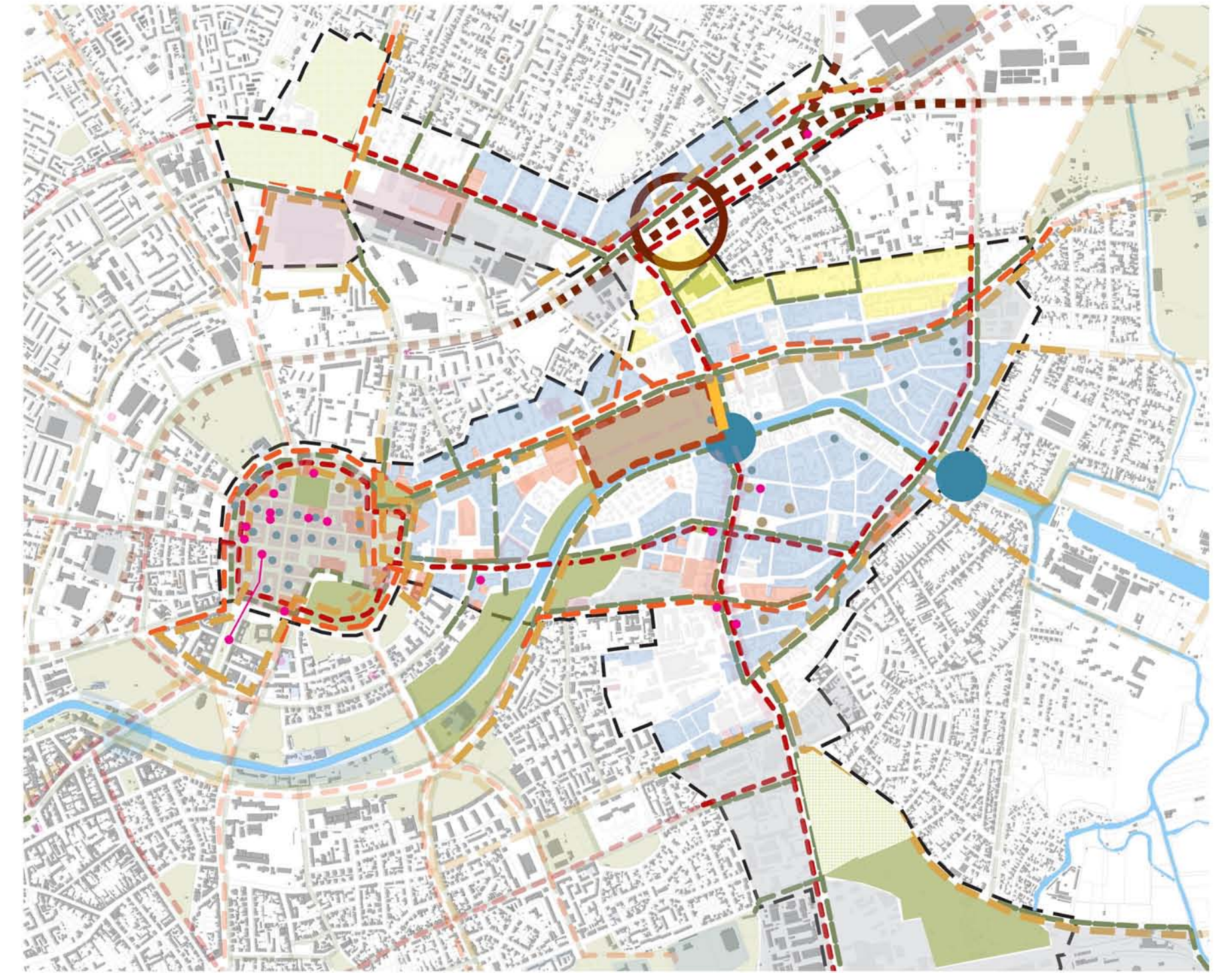
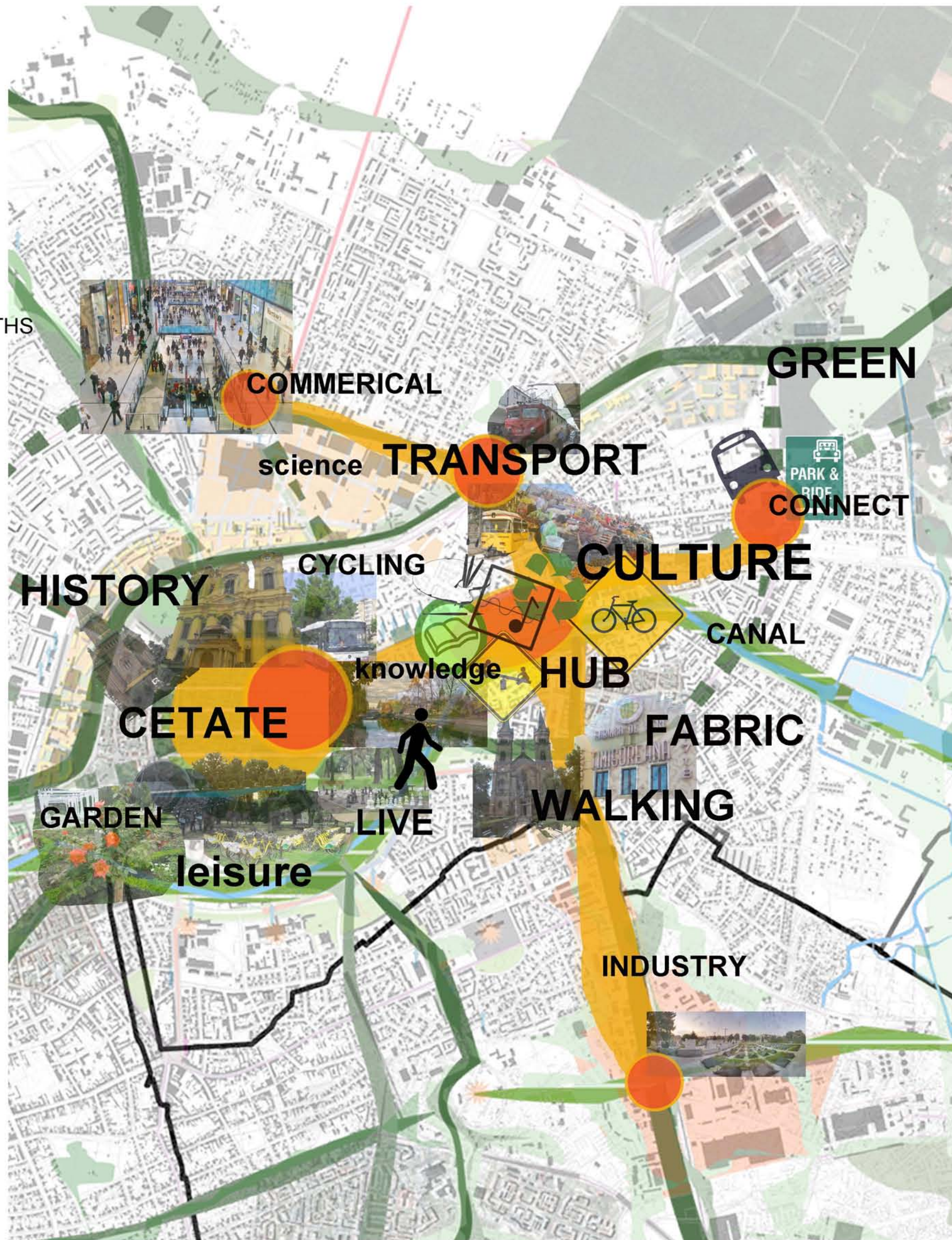
STAGE 2:  
- REMOVE ALL CARS  
- WIDEN CYCLING LANES

STAGE 2:  
- REMOVE ALL CARS  
- WIDEN CYCLING LANES



LEGEND

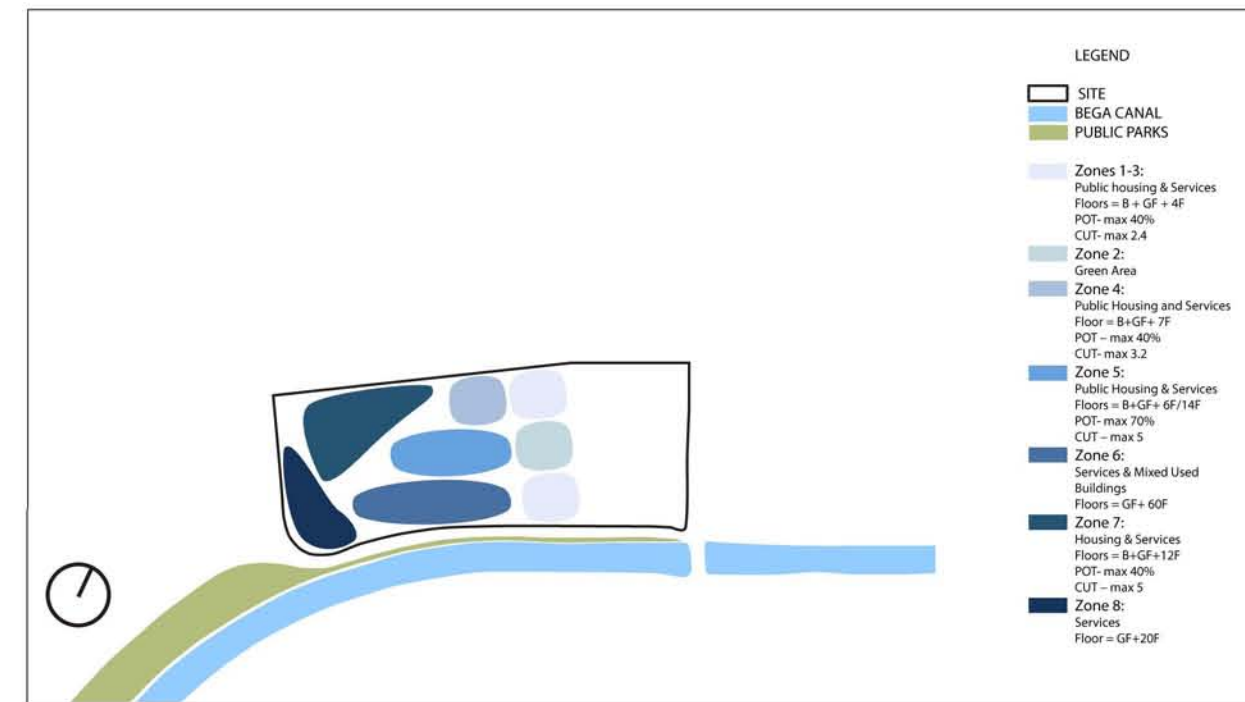
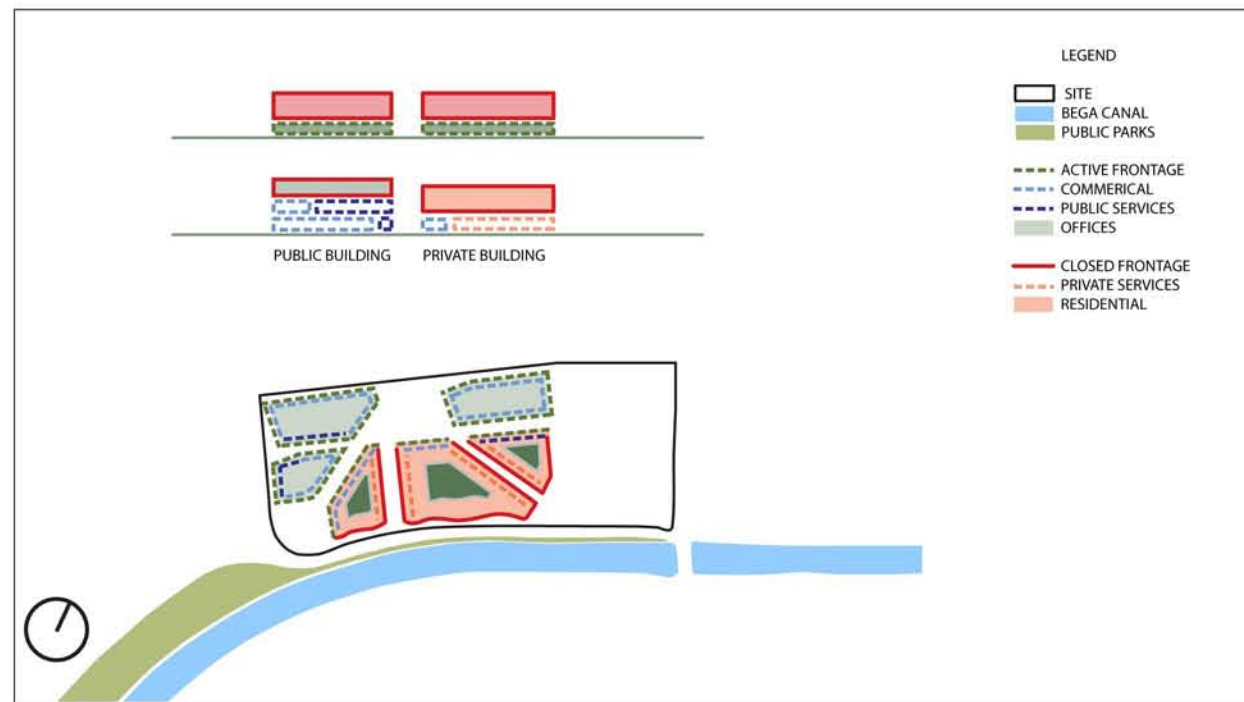
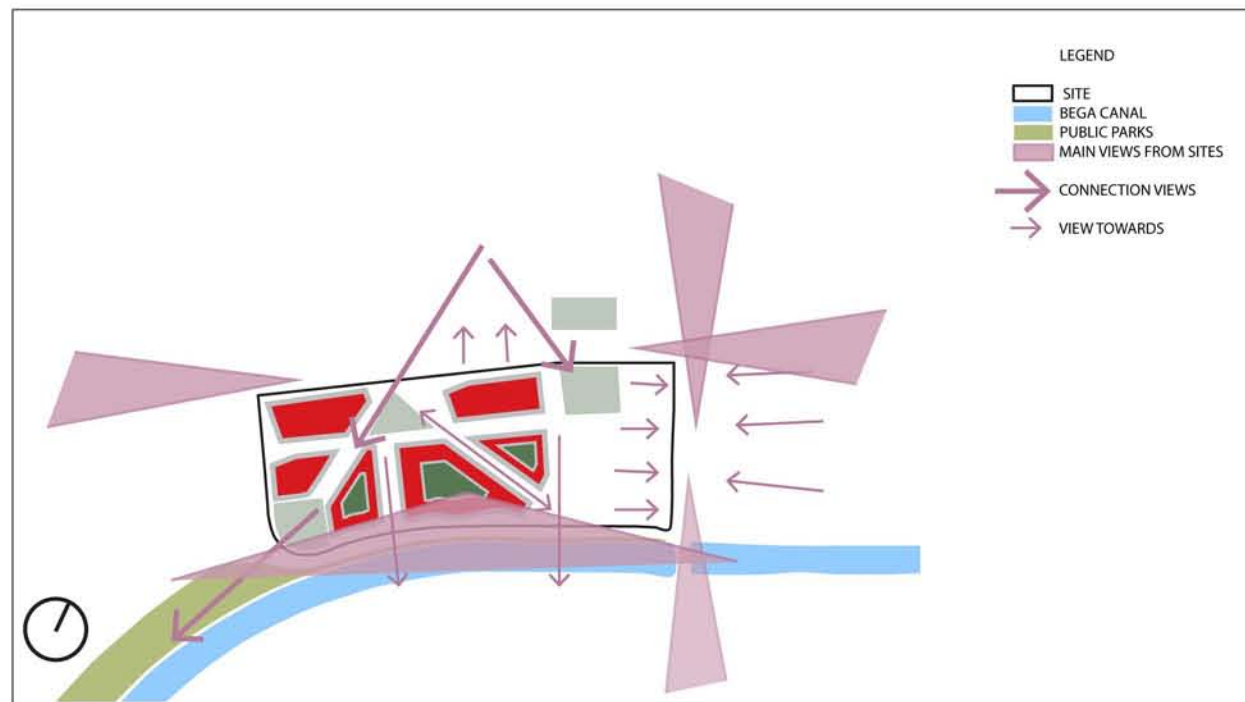
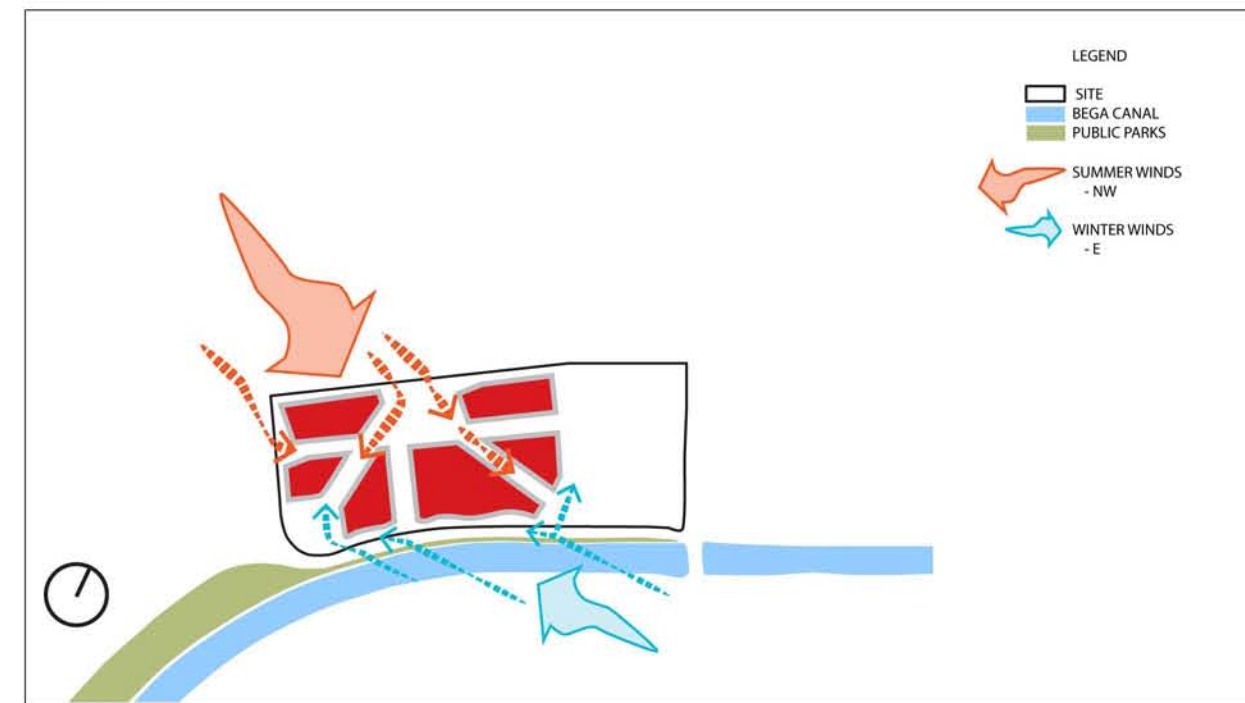
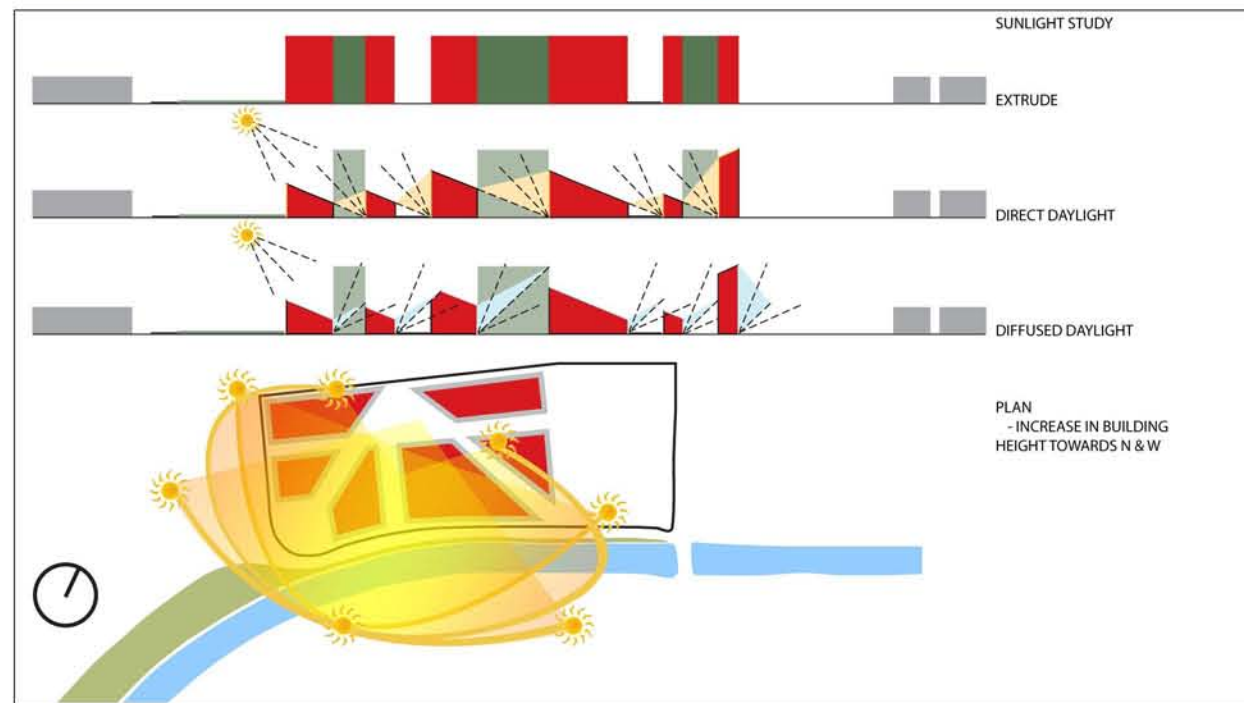
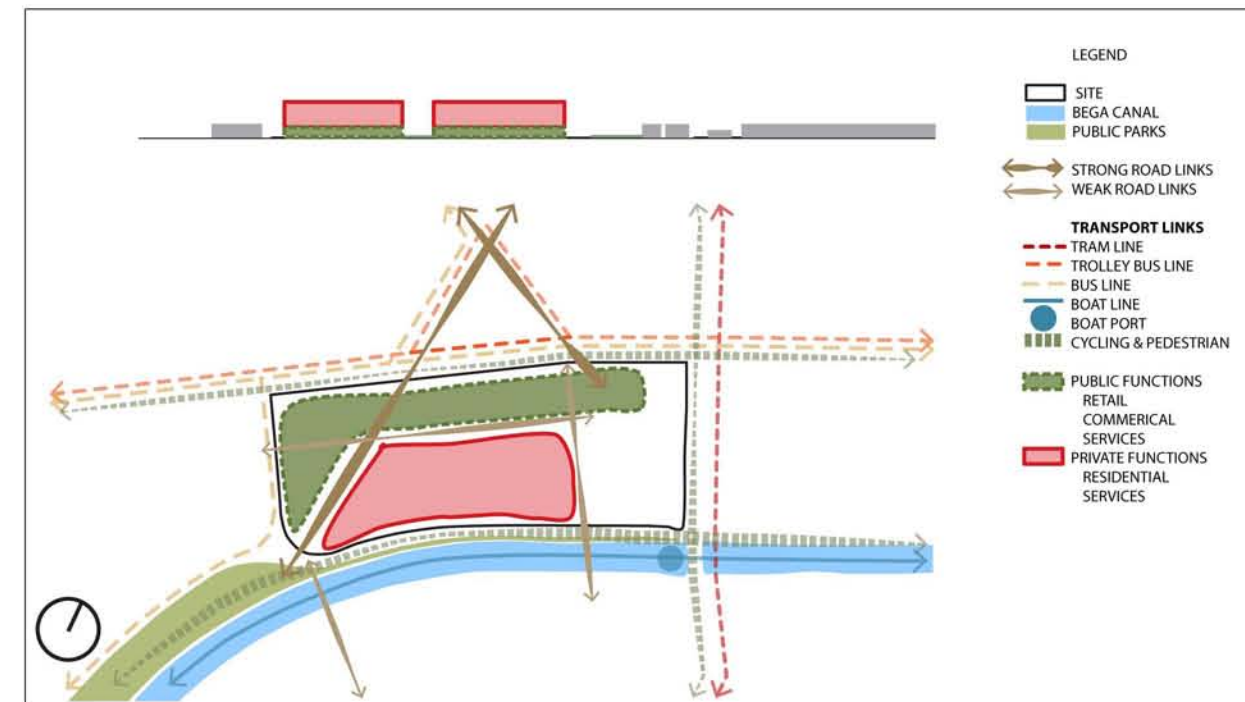
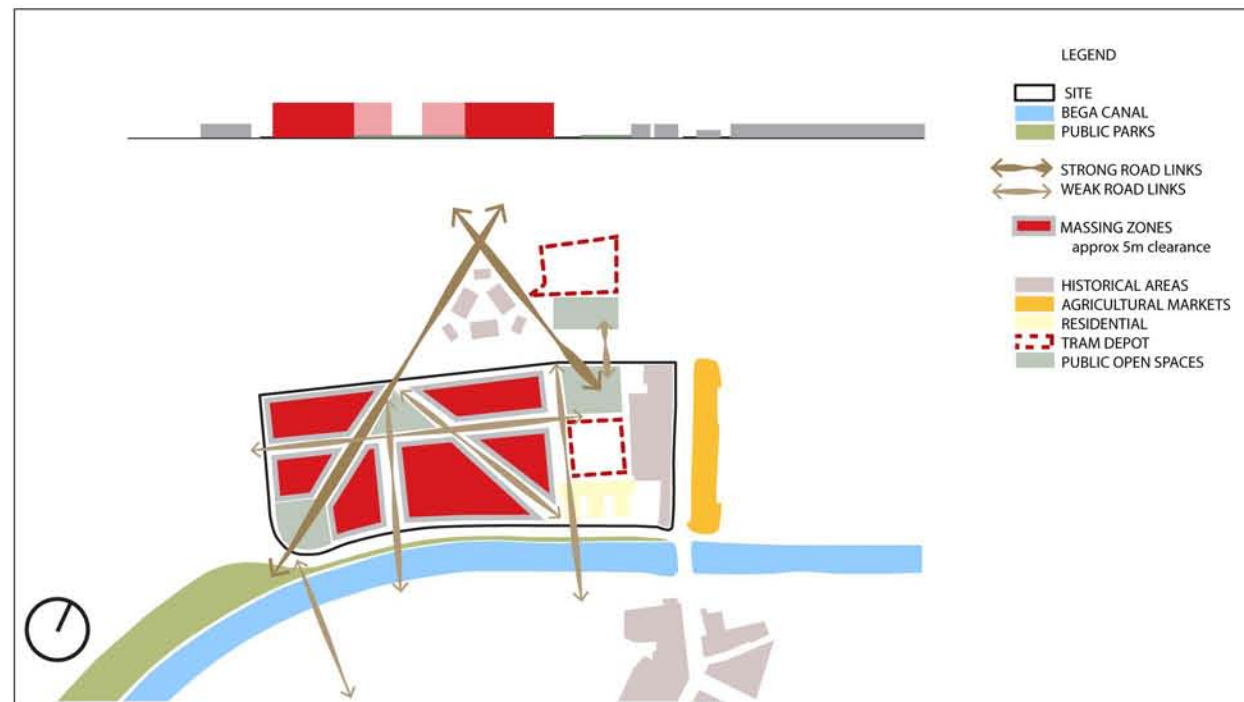
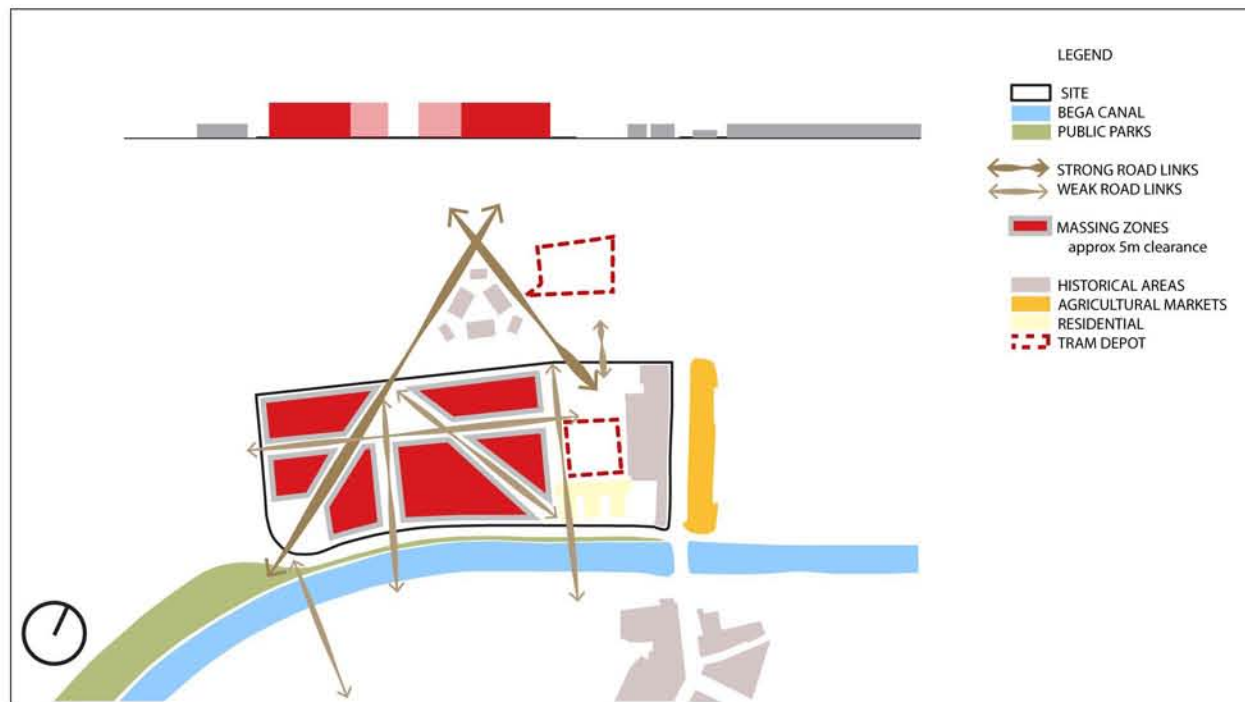
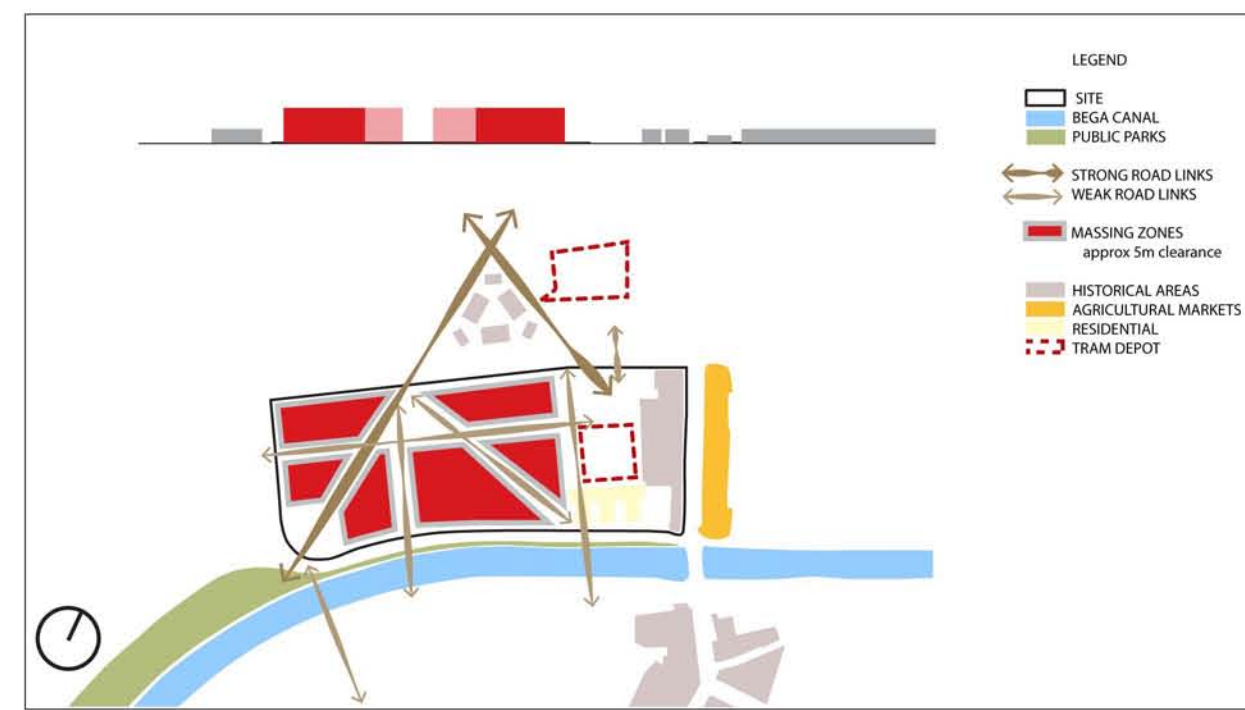
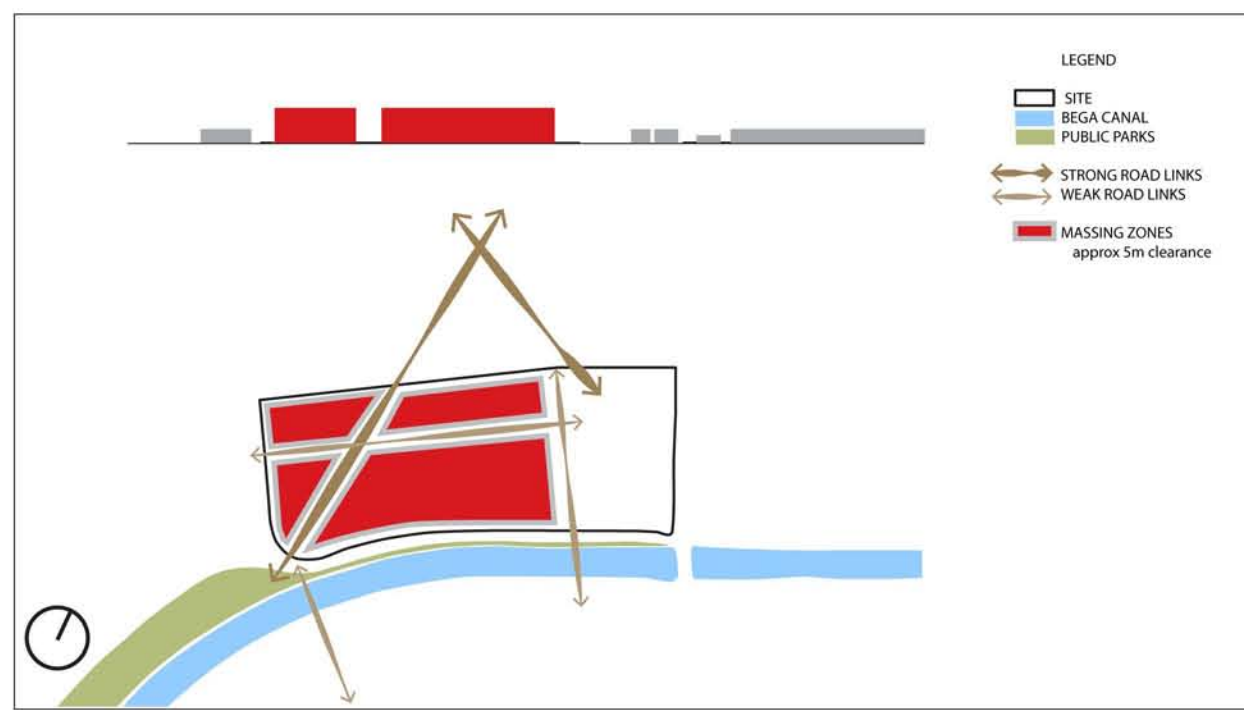
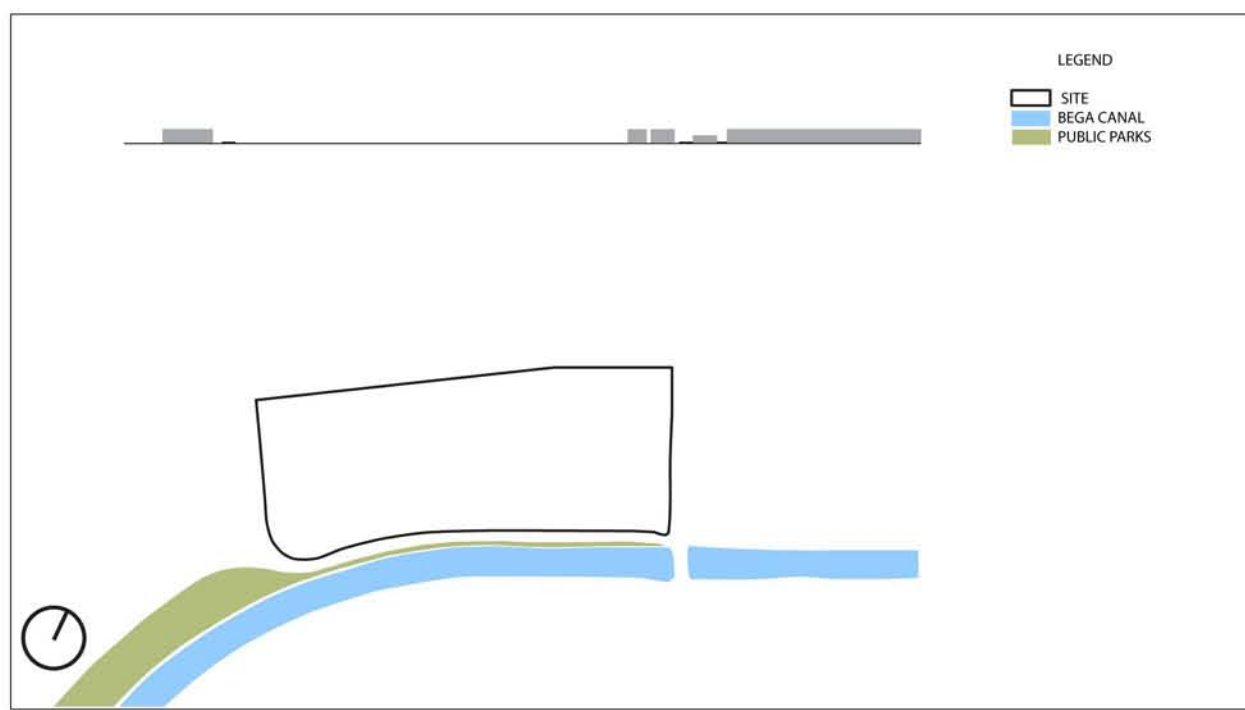
- BEGA CANAL
  - SITE
  - PROPOSED ADDITIONS
  - PUBLIC PARKS
- PUBLIC TRANSPORT**
- TRAIN STATION
  - TRAIN LINES
  - TRAIN DEPOT
  - TRAM
  - TROLLEY BUS
  - BUS
  - BOAT PORTS
  - CYCLING & WALKING PATHS
- FUNCTIONS**
- CEMETRIES
  - INDUSTRIAL
  - MIXED USE
  - RESIDENTIAL
  - COMMERCIAL
  - SERVICES
  - HEALTH
  - CULTURE
- HUBS**
- HUBS



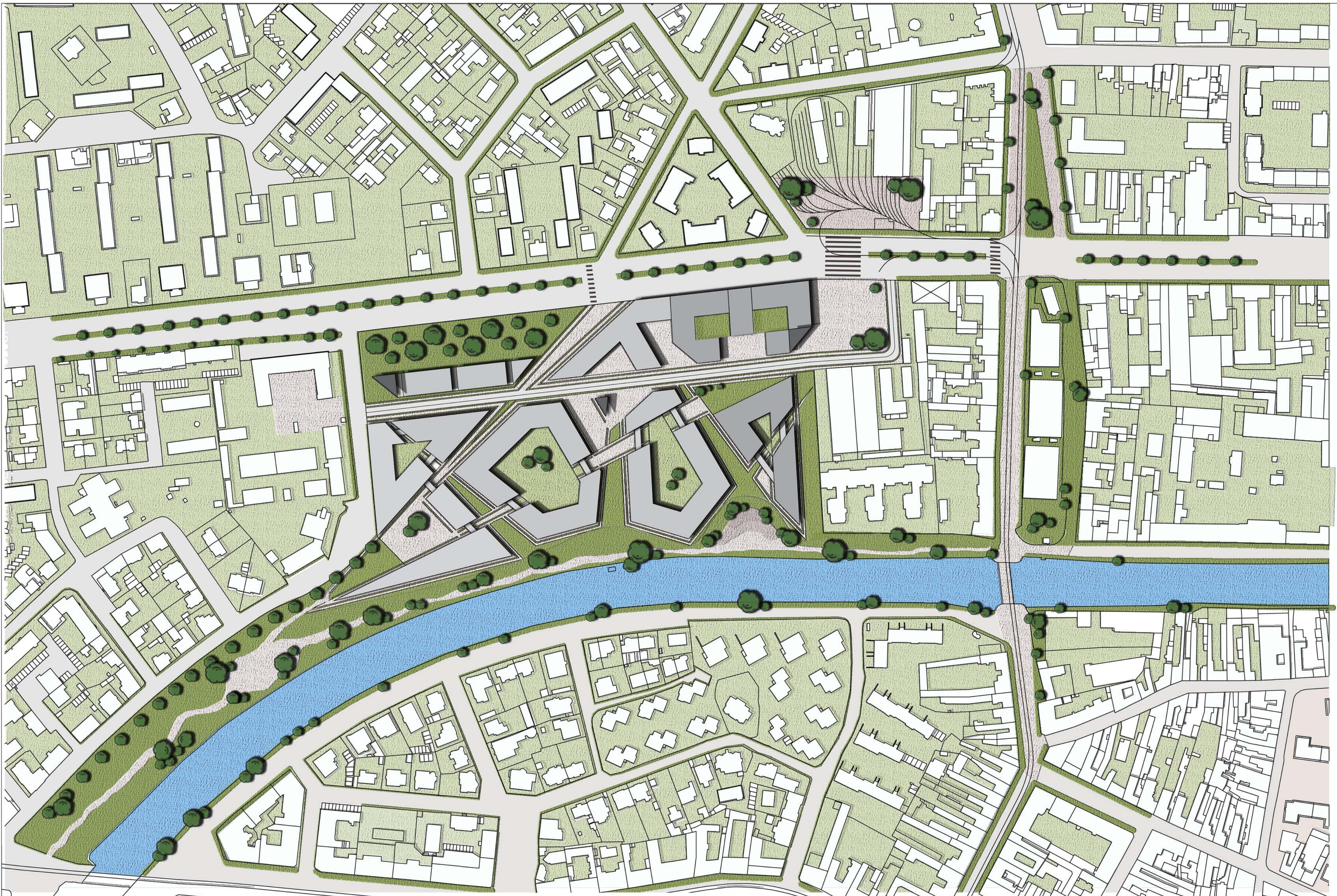
1 MASTERPLAN NTS  
NEIGHBOURHOOD MASTERPLAN

2 TRAFFIC & FUNCTIONS LAYERS NTS  
NEIGHBOURHOOD MASTERPLAN



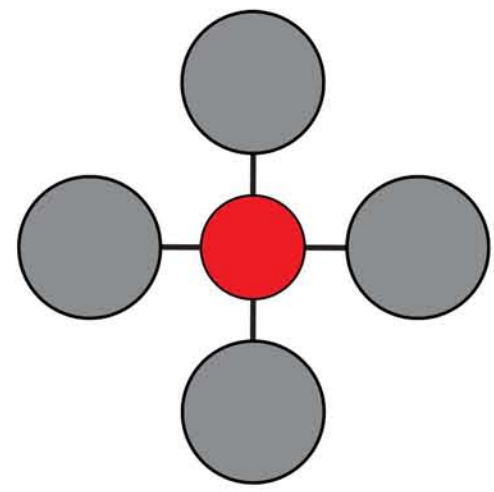




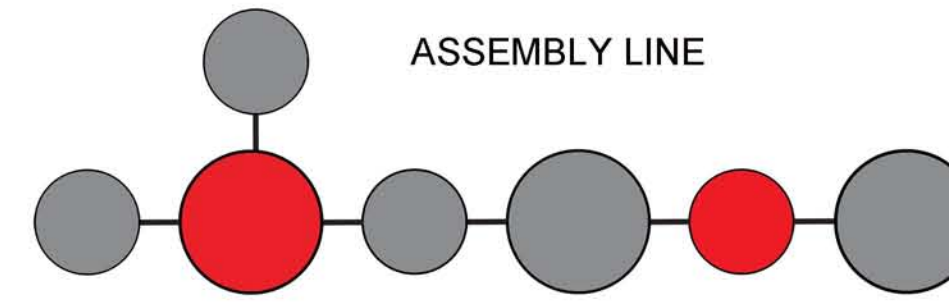


# TIMISOARA MOVING GREEN



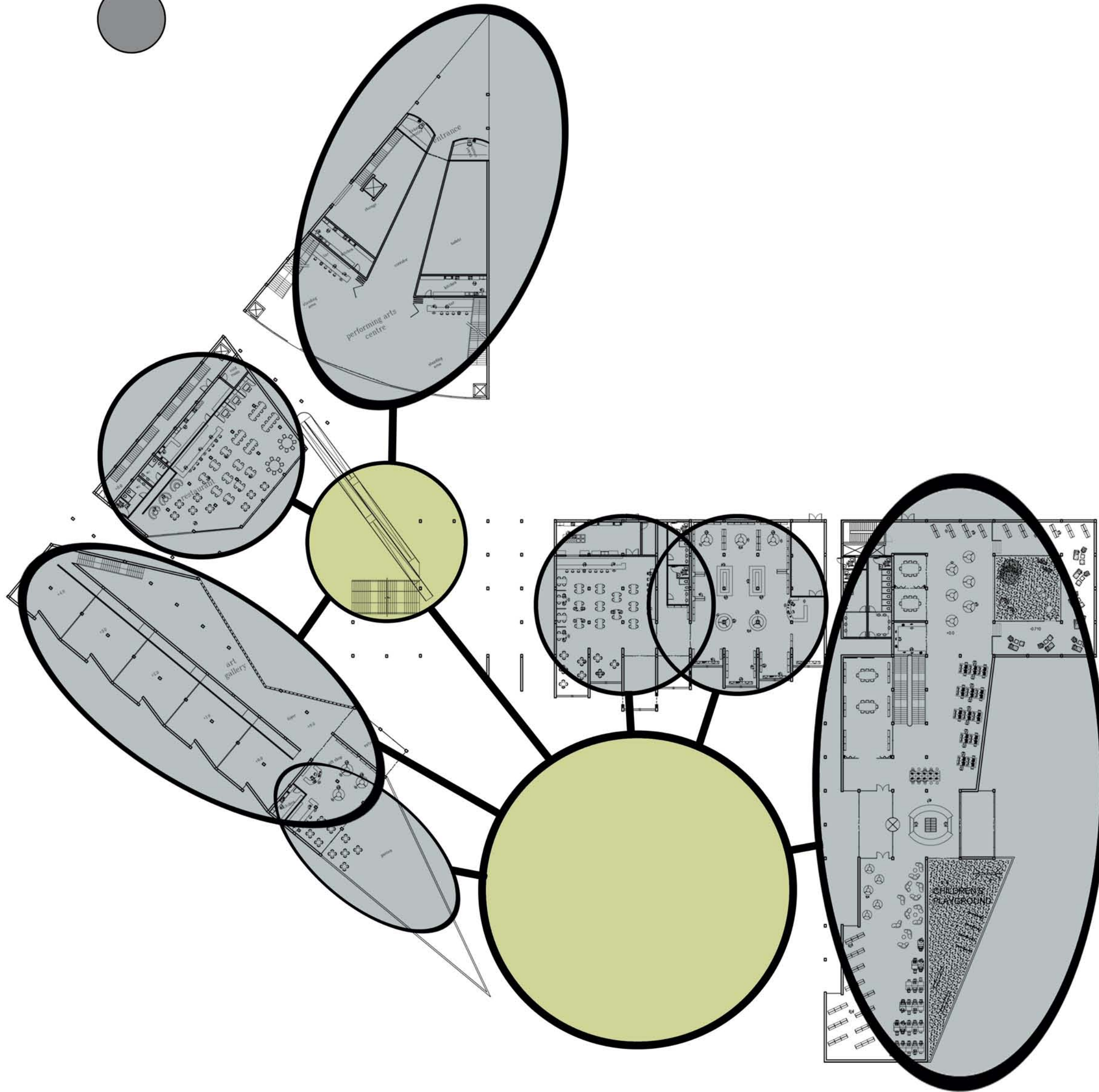


DIVISION OF SPECIALITIES

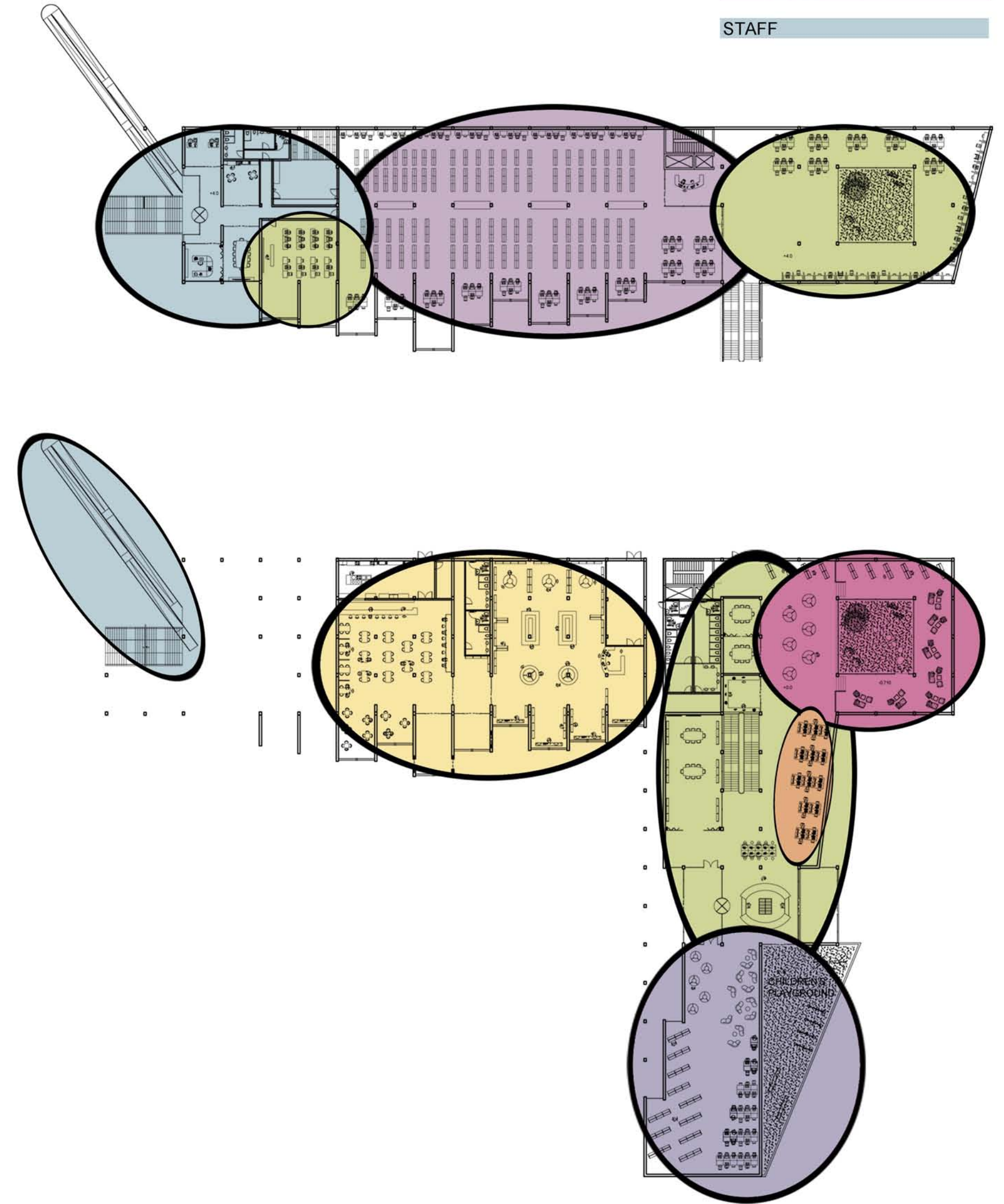


ASSEMBLY LINE

- CAFE + GIFT SHOP
- ENTRANCE + GENERAL
- CHILDREN'S AREA
- TECHNOLOGY
- READING AREA
- MAIN COLLECTION
- STAFF

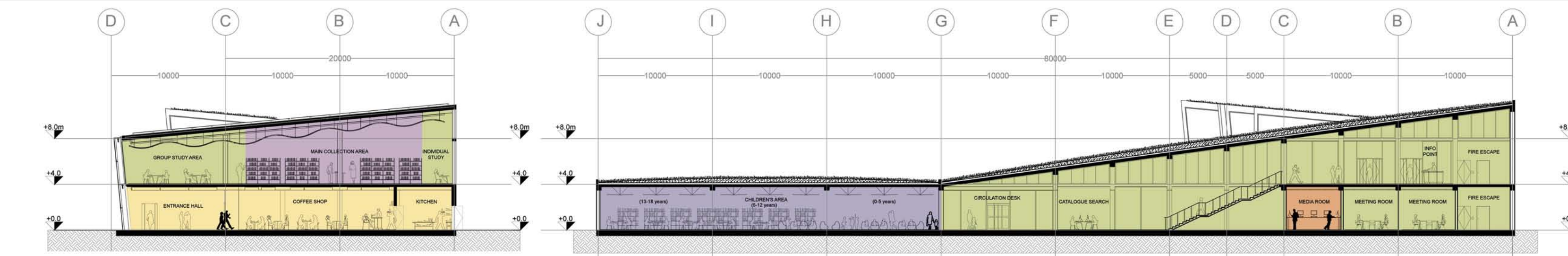


1 GROUND FLOOR PLAN  
FUNCTIONALITY PLAN NTS



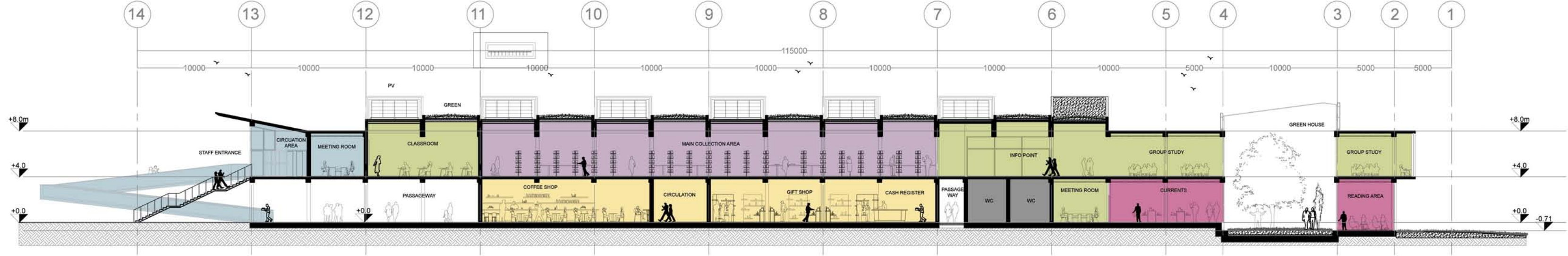
2 FIRST FLOOR PLAN  
FUNCTIONALITY PLAN NTS



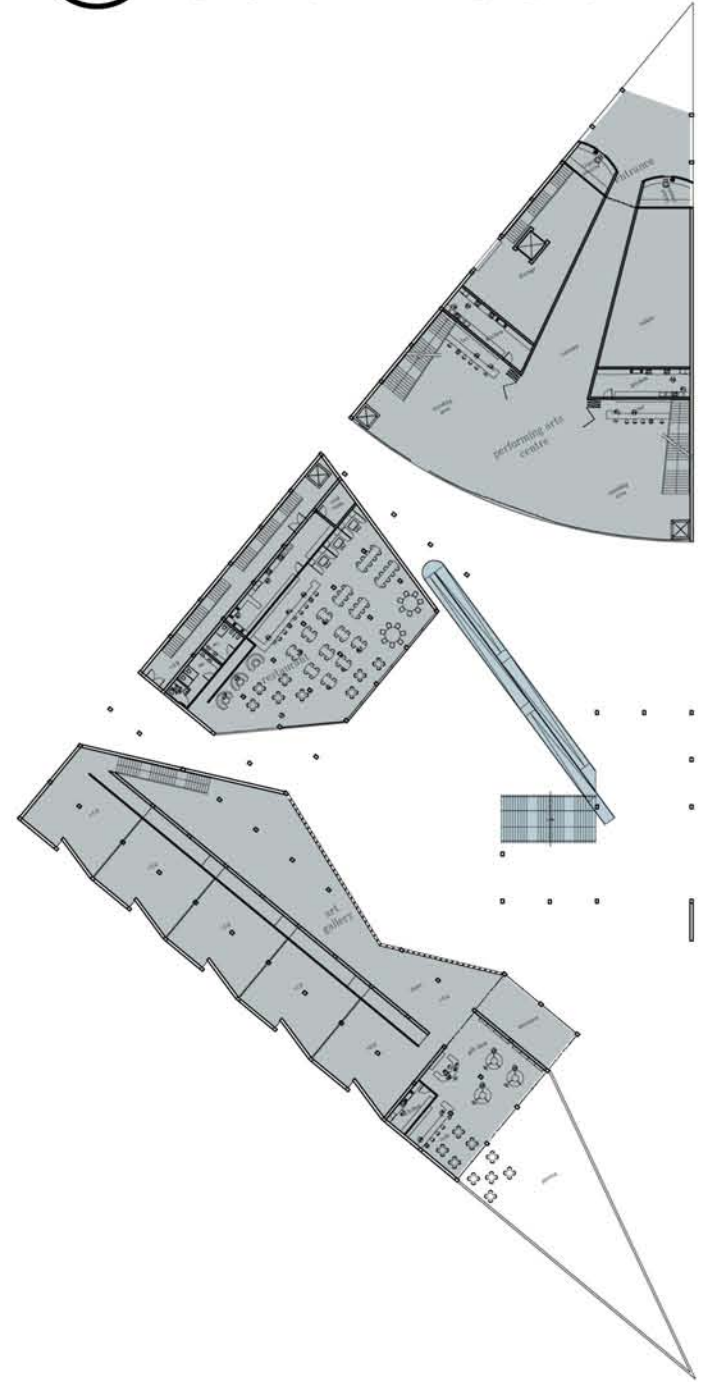


4 SECTION AA  
FUNCTIONALITY SECTION NTS

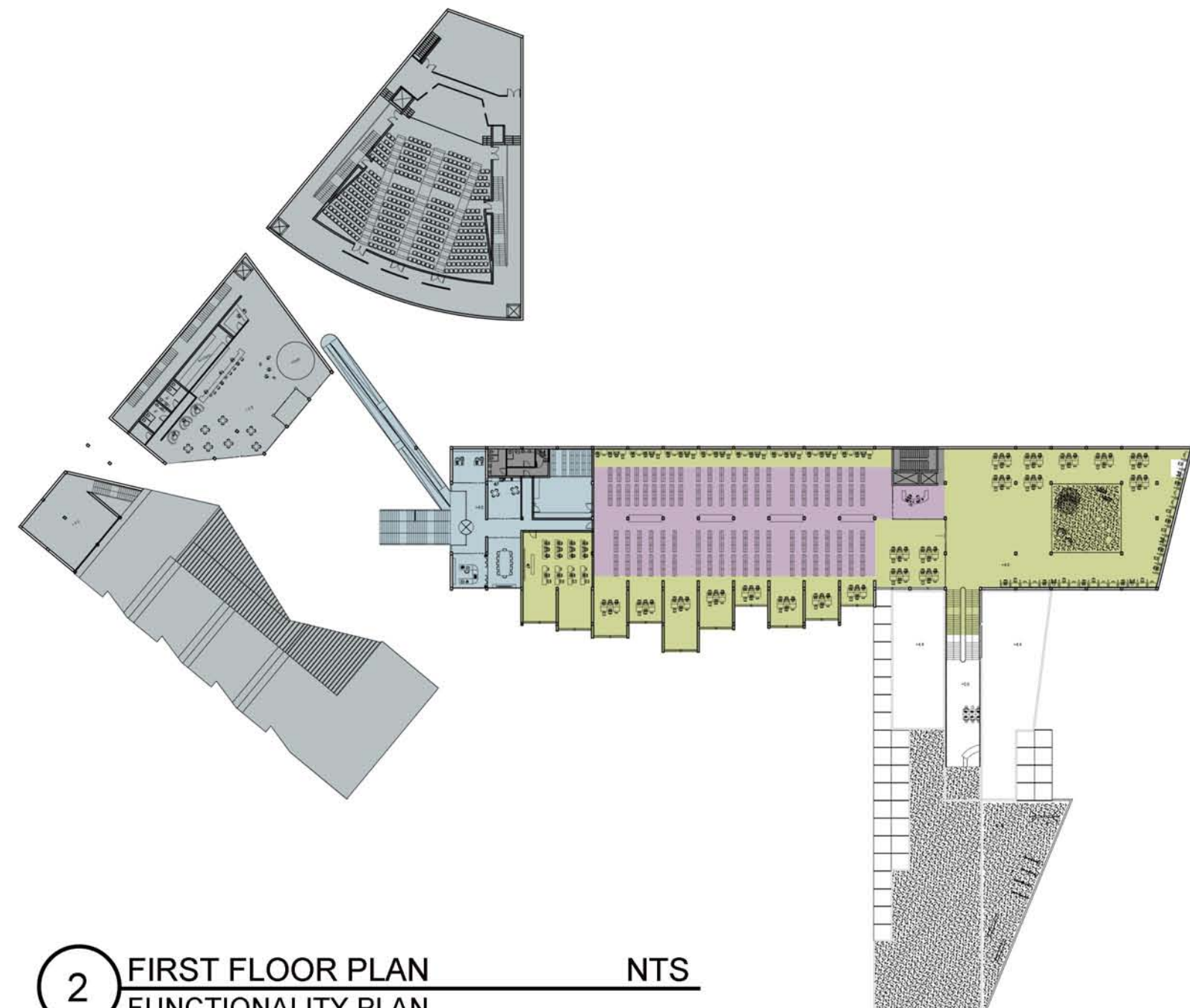
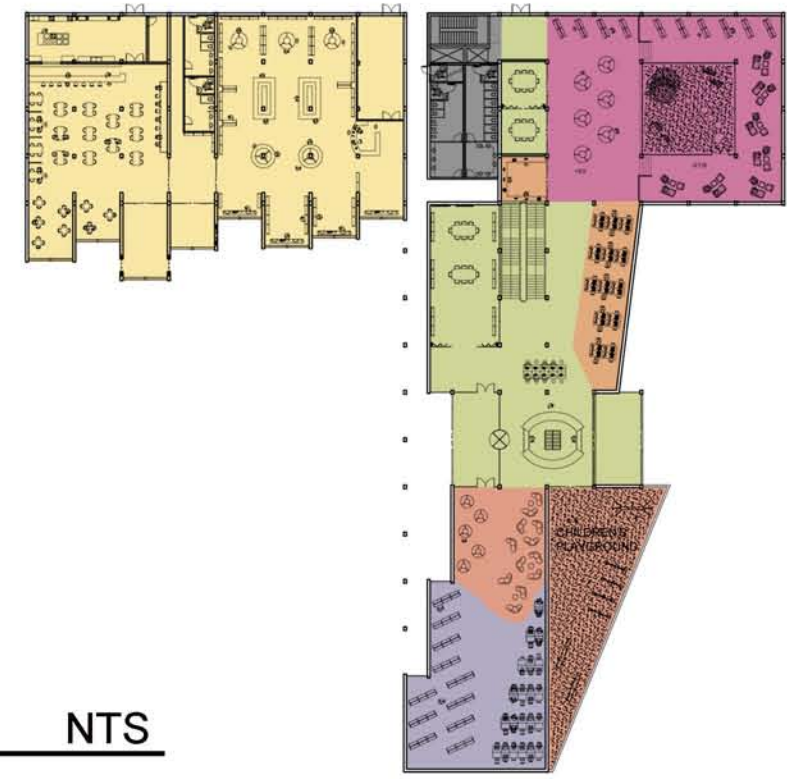
5 SECTION CC  
FUNCTIONALITY SECTION NTS



3 SECTION DD  
FUNCTIONALITY SECTION NTS



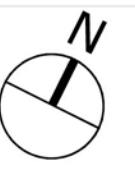
1 GROUND FLOOR PLAN  
FUNCTIONALITY PLAN NTS



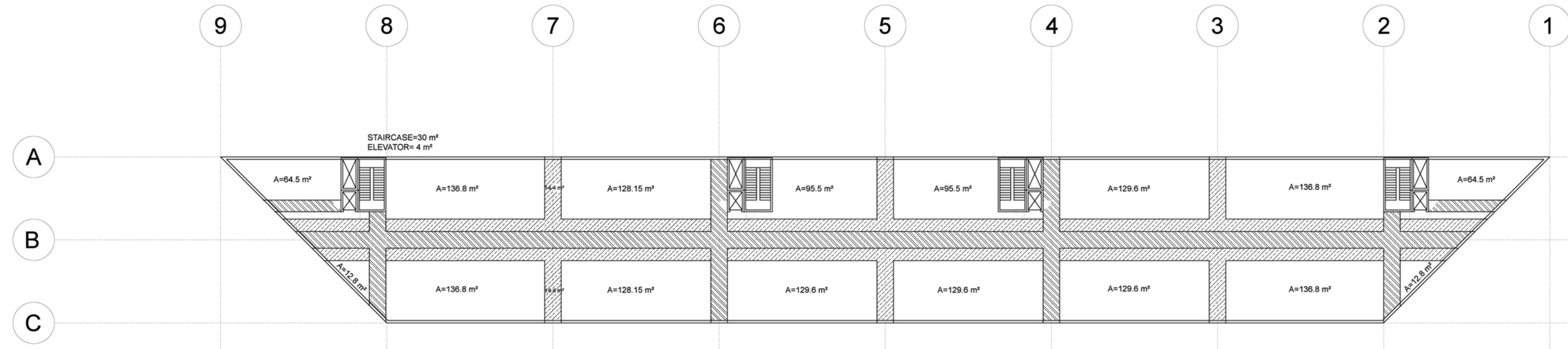
2 FIRST FLOOR PLAN  
FUNCTIONALITY PLAN NTS

- CAFE + GIFT SHOP**
  - 1.1 CAFE
  - 1.2 KITCHEN
  - 1.3 TOILETS
  - 1.4 GIFT SHOP
  - 1.5 STORAGE
- ENTRANCE + GENERAL**
  - 2.1 ENTRANCE
  - 2.2 CIRCULATION DESK
  - 2.3 COMMUNITY & EXHIBITION AREA
  - 2.4 CATALOGUE SEARCH & SELF CHECK OUT
  - 2.5 MEETING ROOM 1
  - 2.6 MEETING ROOM 2
  - 2.7 INDIVIDUAL STUDY AREA
  - 2.8 GROUP STUDY AREA
- CHILDREN'S AREA**
  - 3.1 COLLECTION : CHILDREN'S
    - 0-5 years
    - 6-12 years
  - 3.2 READING AREA/LOUNGE
  - 3.3 STORYTELLING AREA
  - 3.4 CHILDREN'S PLAYGROUND
- YOUNG ADULTS**
  - 4.1 COLLECTION
    - 13 - 18 years
  - 4.2 QUIET READING AREA
- TECHNOLOGY**
  - 4.1 COMPUTER AREA
  - 4.2 MEDIA ROOM
- READING AREA**
  - 5.1 NEW & CURRENT READINGS
  - 5.2 READINGS AREA
  - 5.3 GLASS HOUSE
- MAIN COLLECTION**
- STAFF**
  - 7.1 STAFF ENTRANCE
- SERVICES**
  - 8.1 PUBLIC TOILETS
  - 8.2 FIRE STAIRS
  - 8.2 STAFF TOILETS
- SURROUNDING BUILDINGS**
  - 9.1 ART GALLERY
  - 9.2 RESTAURANT & NIGHT CLUB
  - 9.3 PERFORMING ARTS THEATRE





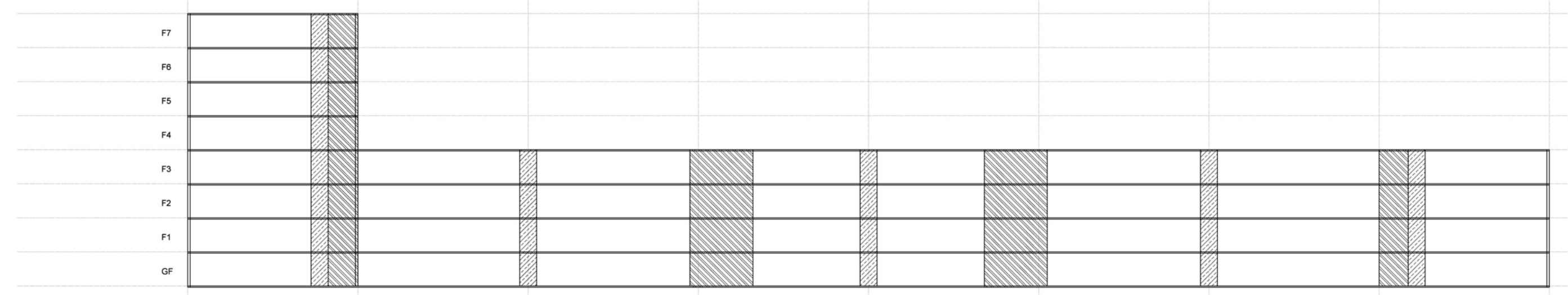
# BLOCK 1



GROUND FLOOR & 1-3 FLOOR PLANS



4-8 FLOOR PLANS



SECTION AA

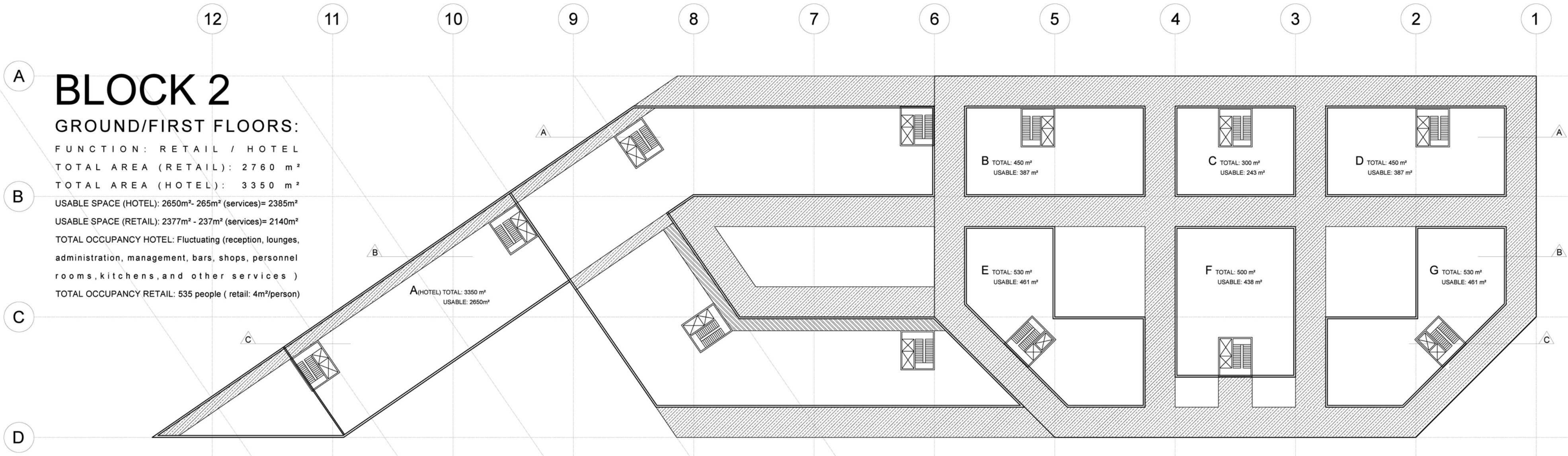
**FLOOR GROUND/ FLOOR 1:**  
 FUNCTION: RETAIL / SHOPPING CENTRE  
 TOTAL AREA: 2800 m<sup>2</sup>  
 - FIRE EGRESS: 509 m<sup>2</sup>  
 - GENERAL CIRCULATION: 519.84 m<sup>2</sup>  
 - SERVICES: 166.7 m<sup>2</sup>  
 USABLE SPACE: 1501.3 m<sup>2</sup> (-external walls)  
 TOTAL OCCUPANCY: 375 people (retail: 4m<sup>2</sup>/person)

**FLOOR 2 / 3:**  
 FUNCTION: OFFICES  
 TOTAL AREA: 2800 m<sup>2</sup>  
 - FIRE EGRESS: 509 m<sup>2</sup>  
 - GENERAL CIRCULATION: 519.84 m<sup>2</sup>  
 - SERVICES: 166.7 m<sup>2</sup>  
 USABLE SPACE: 1501.3 m<sup>2</sup> (-external walls)  
 TOTAL OCCUPANCY: 150 people (offices: 10m<sup>2</sup>/person)

**FLOOR 4 / 7:**  
 FUNCTION: OFFICES  
 TOTAL AREA: 201 m<sup>2</sup>  
 - FIRE EGRESS: 22 m<sup>2</sup>  
 - GENERAL CIRCULATION: 4 m<sup>2</sup>  
 - SERVICES: 17.6 m<sup>2</sup>  
 USABLE SPACE: 147 m<sup>2</sup> (-external walls)  
 TOTAL OCCUPANCY: 14 people (offices: 10m<sup>2</sup>/person)

**TOTAL OCCUPANCY:**  
 RETAIL: 750 people  
 OFFICES: 356 people



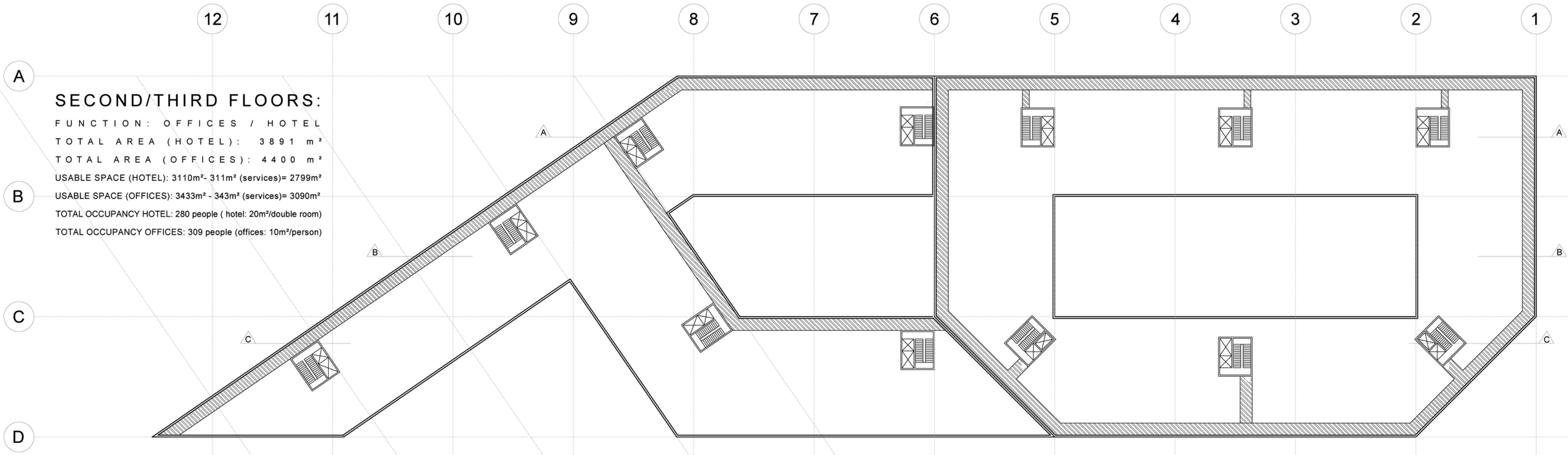


# BLOCK 2

## GROUND/FIRST FLOORS:

FUNCTION: RETAIL / HOTEL  
 TOTAL AREA (RETAIL): 2760 m<sup>2</sup>  
 TOTAL AREA (HOTEL): 3350 m<sup>2</sup>  
 USABLE SPACE (HOTEL): 2650m<sup>2</sup>- 265m<sup>2</sup> (services)= 2385m<sup>2</sup>  
 USABLE SPACE (RETAIL): 2377m<sup>2</sup> - 237m<sup>2</sup> (services)= 2140m<sup>2</sup>  
 TOTAL OCCUPANCY HOTEL: Fluctuating (reception, lounges, administration, management, bars, shops, personnel rooms, kitchens, and other services )  
 TOTAL OCCUPANCY RETAIL: 535 people ( retail: 4m<sup>2</sup>/person)

GROUND FLOOR & FIRST FLOOR PLAN



## SECOND/THIRD FLOORS:

FUNCTION: OFFICES / HOTEL  
 TOTAL AREA (HOTEL): 3891 m<sup>2</sup>  
 TOTAL AREA (OFFICES): 4400 m<sup>2</sup>  
 USABLE SPACE (HOTEL): 3110m<sup>2</sup>- 311m<sup>2</sup> (services)= 2799m<sup>2</sup>  
 USABLE SPACE (OFFICES): 3433m<sup>2</sup> - 343m<sup>2</sup> (services)= 3090m<sup>2</sup>  
 TOTAL OCCUPANCY HOTEL: 280 people ( hotel: 20m<sup>2</sup>/double room)  
 TOTAL OCCUPANCY OFFICES: 309 people (offices: 10m<sup>2</sup>/person)

SECOND / THIRD FLOOR PLAN

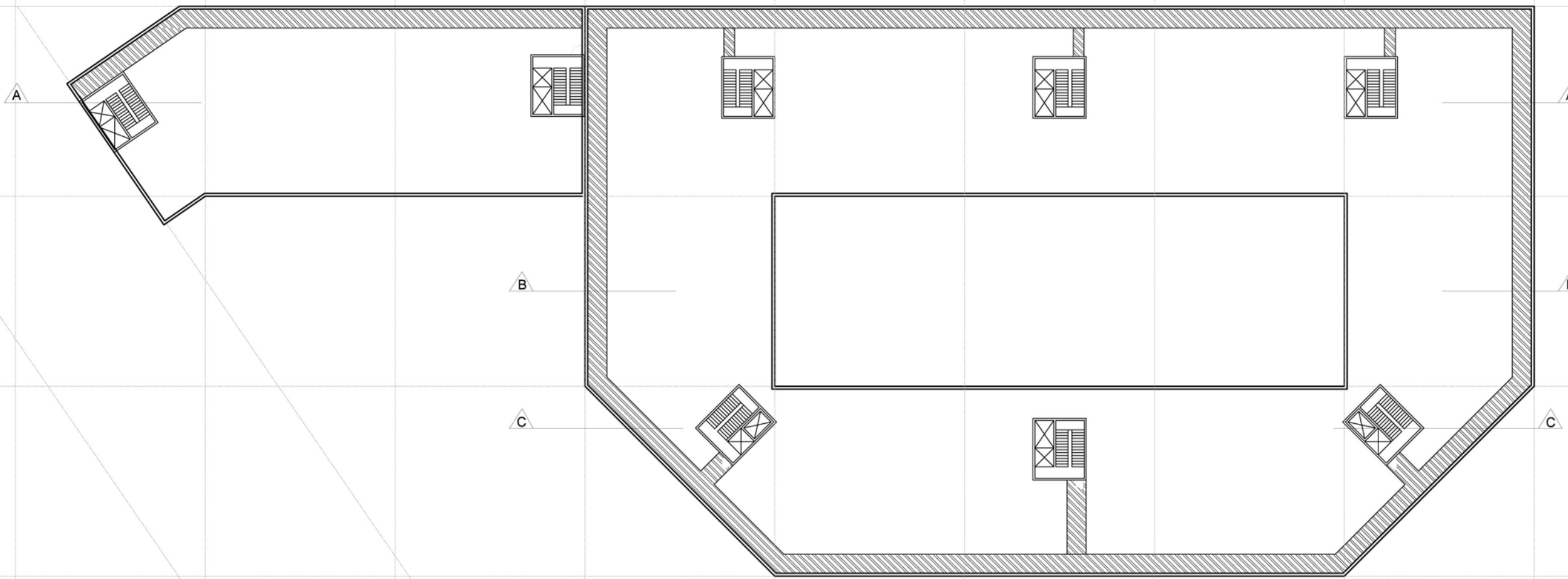




# BLOCK 2

## FORTH FLOOR:

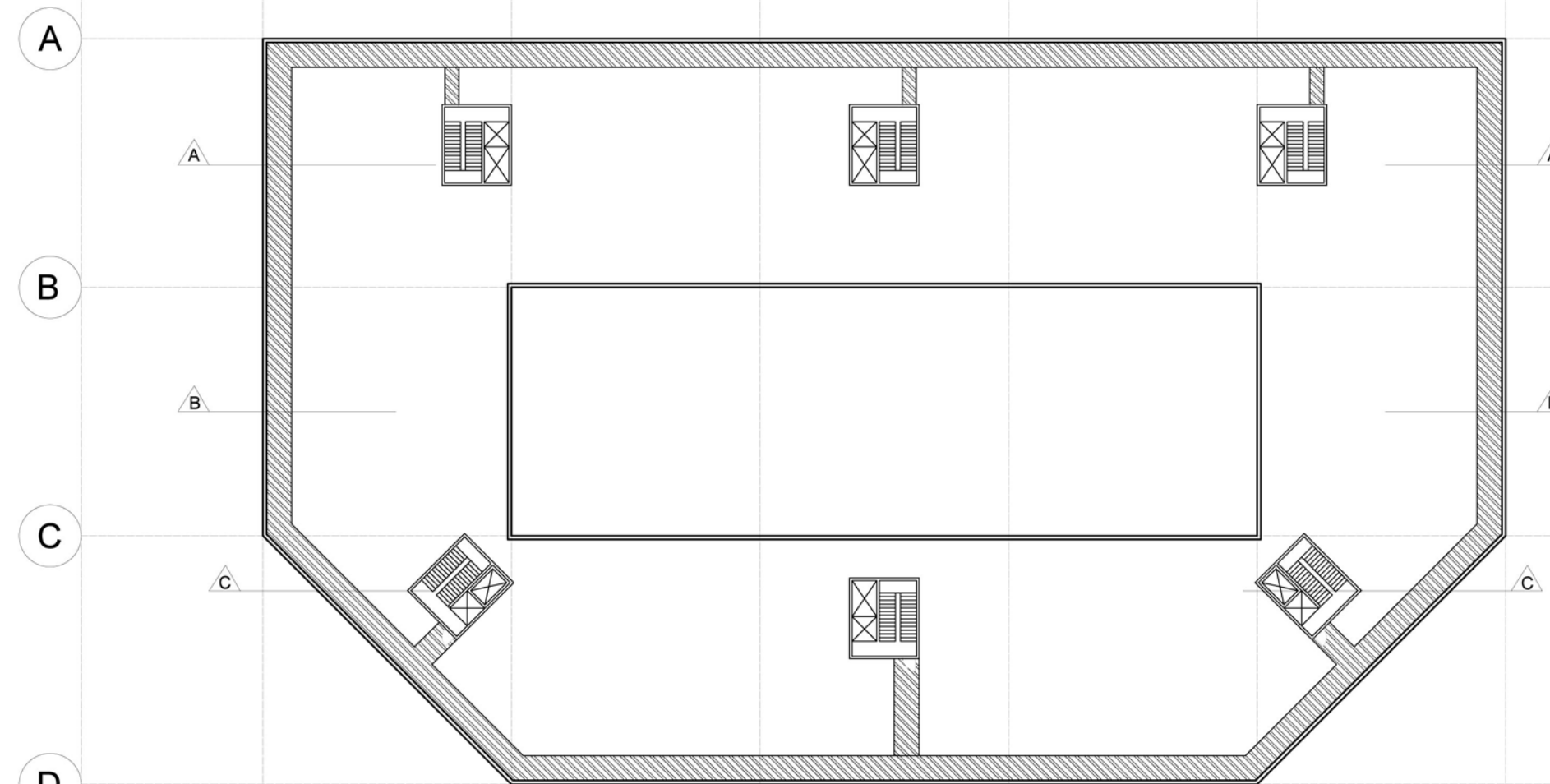
FUNCTION: OFFICES / HOTEL  
 TOTAL AREA (HOTEL): 1004 m<sup>2</sup>  
 TOTAL AREA (OFFICES): 4400 m<sup>2</sup>  
 USABLE SPACE (HOTEL): 781m<sup>2</sup> - 78m<sup>2</sup> (services)= 703m<sup>2</sup>  
 USABLE SPACE (OFFICES): 3433m<sup>2</sup> - 343m<sup>2</sup> (services)= 3090m<sup>2</sup>  
 TOTAL OCCUPANCY HOTEL: 54 people ( hotel: 26m<sup>2</sup>/person)  
 TOTAL OCCUPANCY OFFICES: 309 people (offices: 10m<sup>2</sup>/person)



4th FLOOR PLAN

## FIFTH FLOOR:

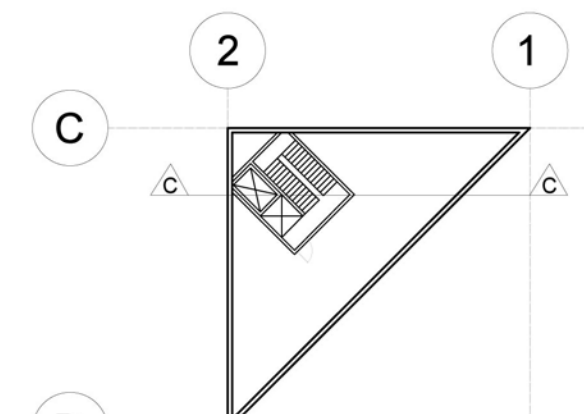
FUNCTION: OFFICES  
 TOTAL AREA : 4400 m<sup>2</sup>  
 USABLE SPACE (OFFICES): 3433m<sup>2</sup> - 343m<sup>2</sup> (services)= 3090m<sup>2</sup>  
 TOTAL OCCUPANCY OFFICES: 309 people (offices: 10m<sup>2</sup>/person)



5th FLOOR PLAN

## SIXTH / SEVENTH FLOOR:

FUNCTION: OFFICES  
 TOTAL AREA : 200 m<sup>2</sup>  
 USABLE SPACE (OFFICES): 140 m<sup>2</sup>  
 TOTAL OCCUPANCY OFFICES: 14 people (offices: 10m<sup>2</sup>/person)



6-7 FLOOR PLANS

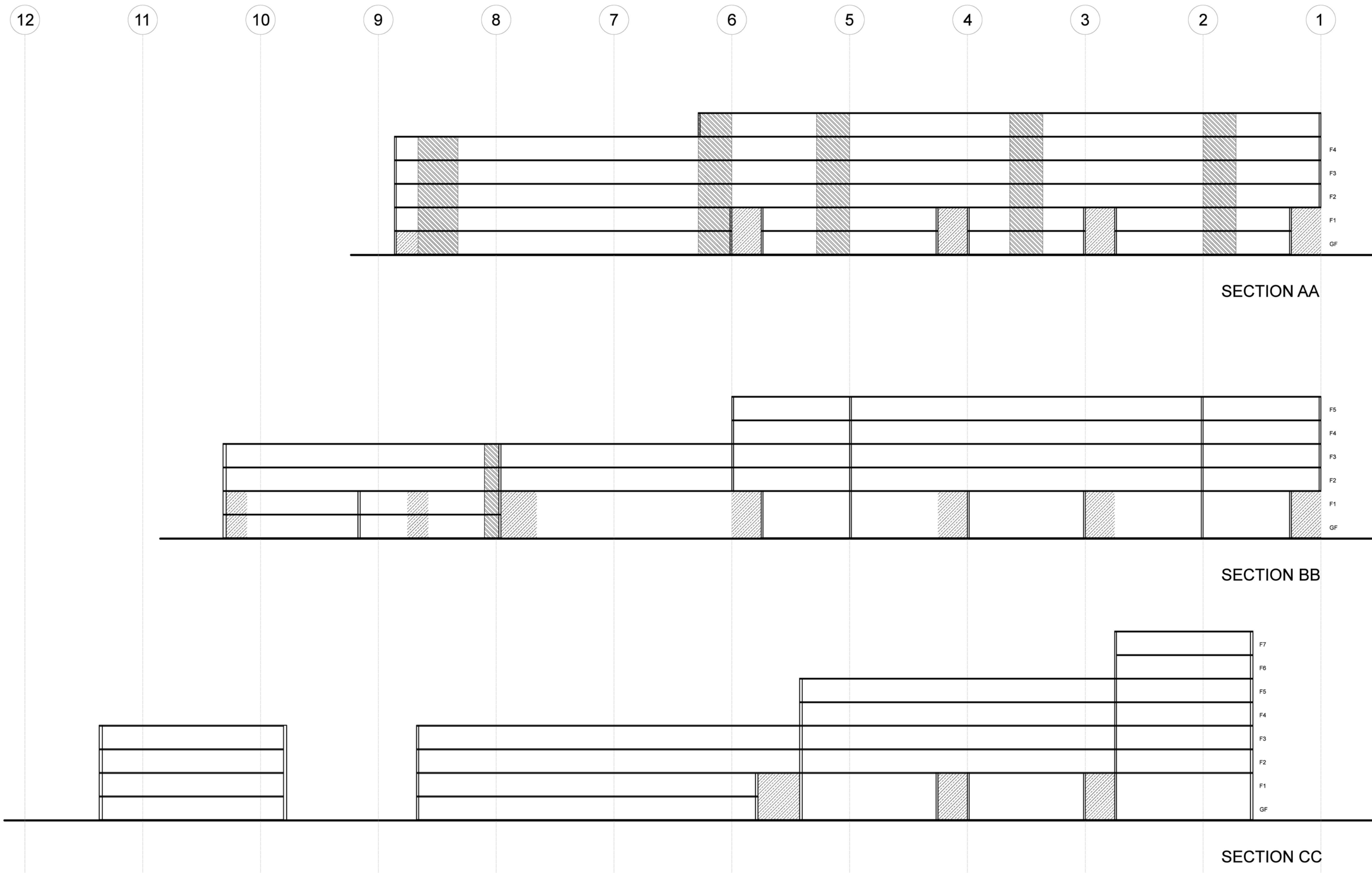
## TOTAL OCCUPANCY:

RETAIL: 1070 people  
 OFFICES: 1264 people  
 HOTEL: 334 people

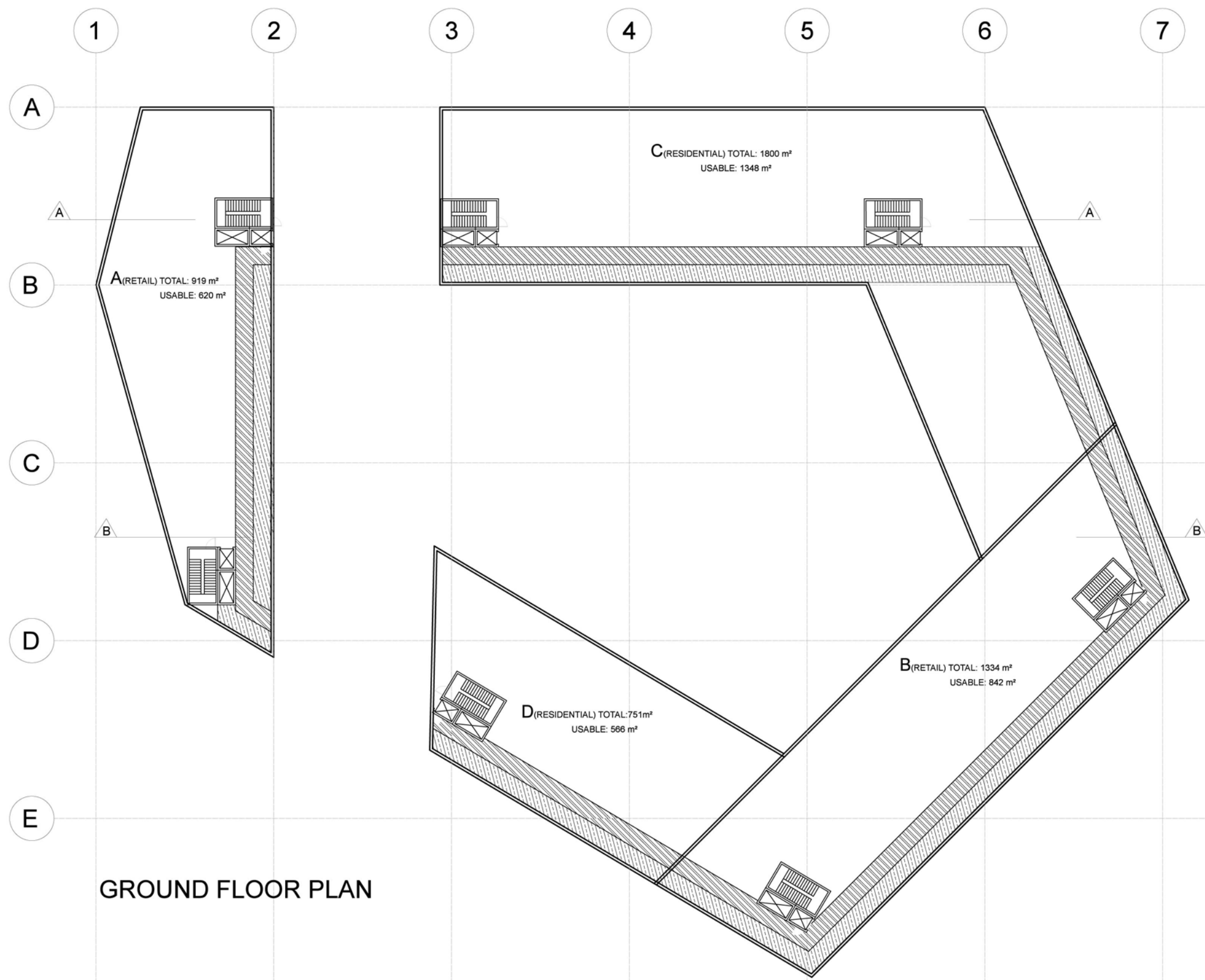
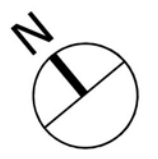




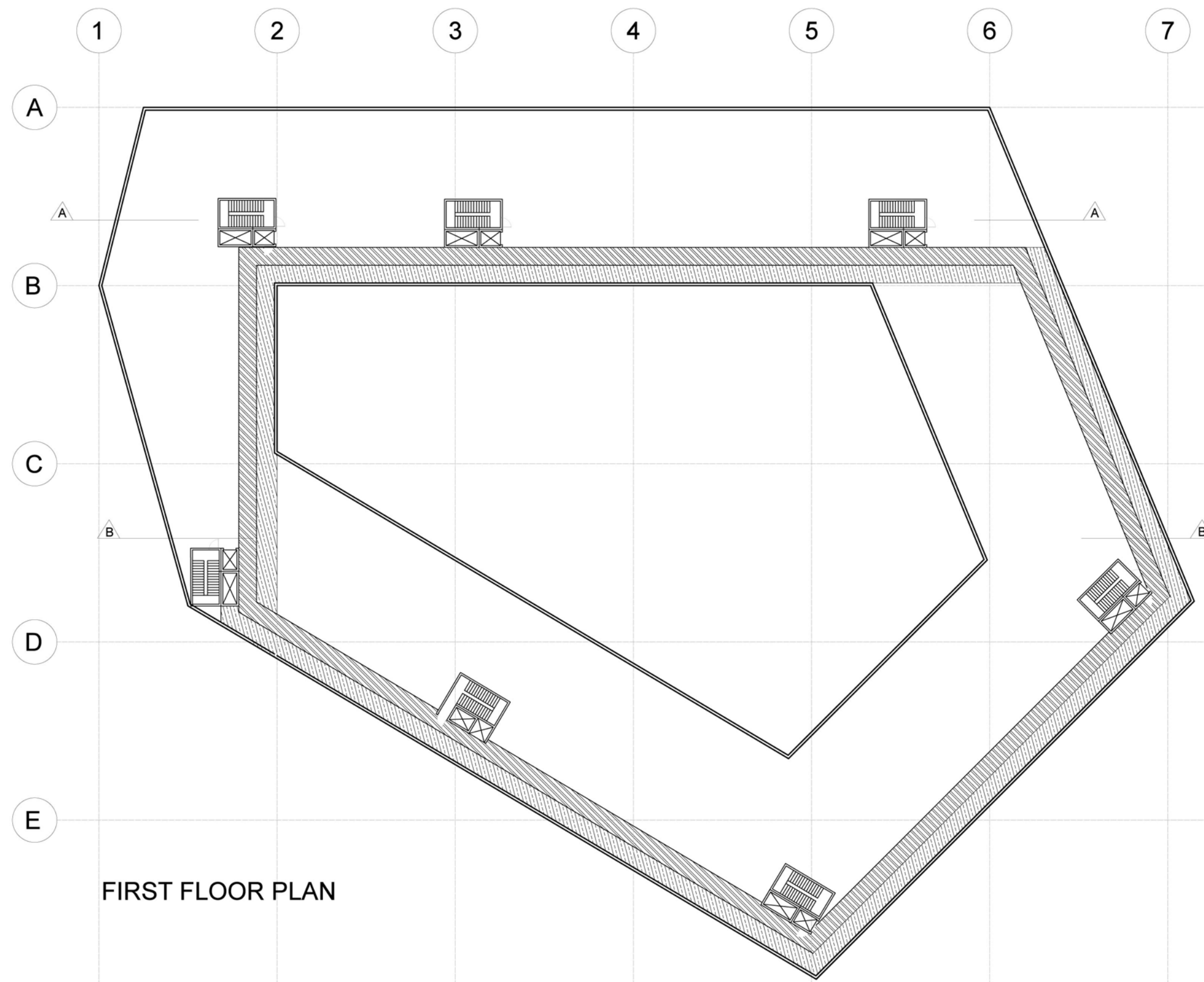
# BLOCK 2







GROUND FLOOR PLAN



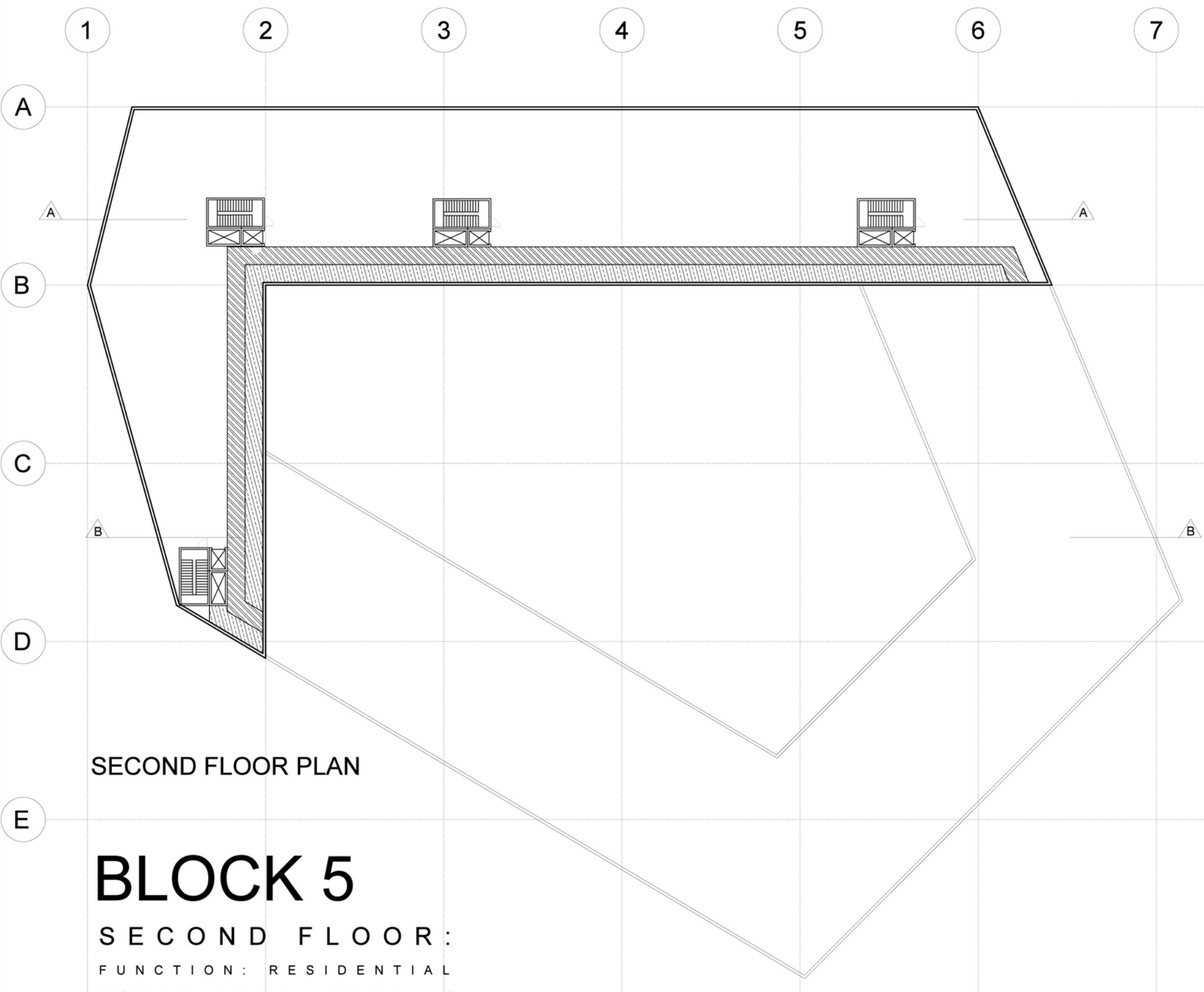
FIRST FLOOR PLAN

# BLOCK 5

**G R O U N D F L O O R :**  
 FUNCTION : RETAIL / RESIDENTIAL  
 TOTAL AREA (RETAIL) : 2 2 5 3 m<sup>2</sup>  
 TOTAL AREA (RESIDENTIAL) : 2 5 5 1 m<sup>2</sup>  
 USABLE SPACE (RETAIL): 1462m<sup>2</sup>- 146m<sup>2</sup> (services)= 1316m<sup>2</sup>  
 USABLE SPACE (RESIDENTIAL): 2100<sup>2</sup> - 210m<sup>2</sup> (services)= 1890m<sup>2</sup>  
 TOTAL OCCUPANCY RETAIL: 329 people (retail: 4m<sup>2</sup>/person)  
 TOTAL OCCUPANCY RESIDENTIAL: 75 people (residential: 25m<sup>2</sup>/person)

**F I R S T F L O O R :**  
 FUNCTION : RESIDENTIAL  
 TOTAL AREA : 5 6 0 0 m<sup>2</sup>  
 USABLE SPACE : 3990m<sup>2</sup> - 399m<sup>2</sup> (services)= 3591 m<sup>2</sup>  
 TOTAL OCCUPANCY : 143 people (residential: 25 m<sup>2</sup>/person)

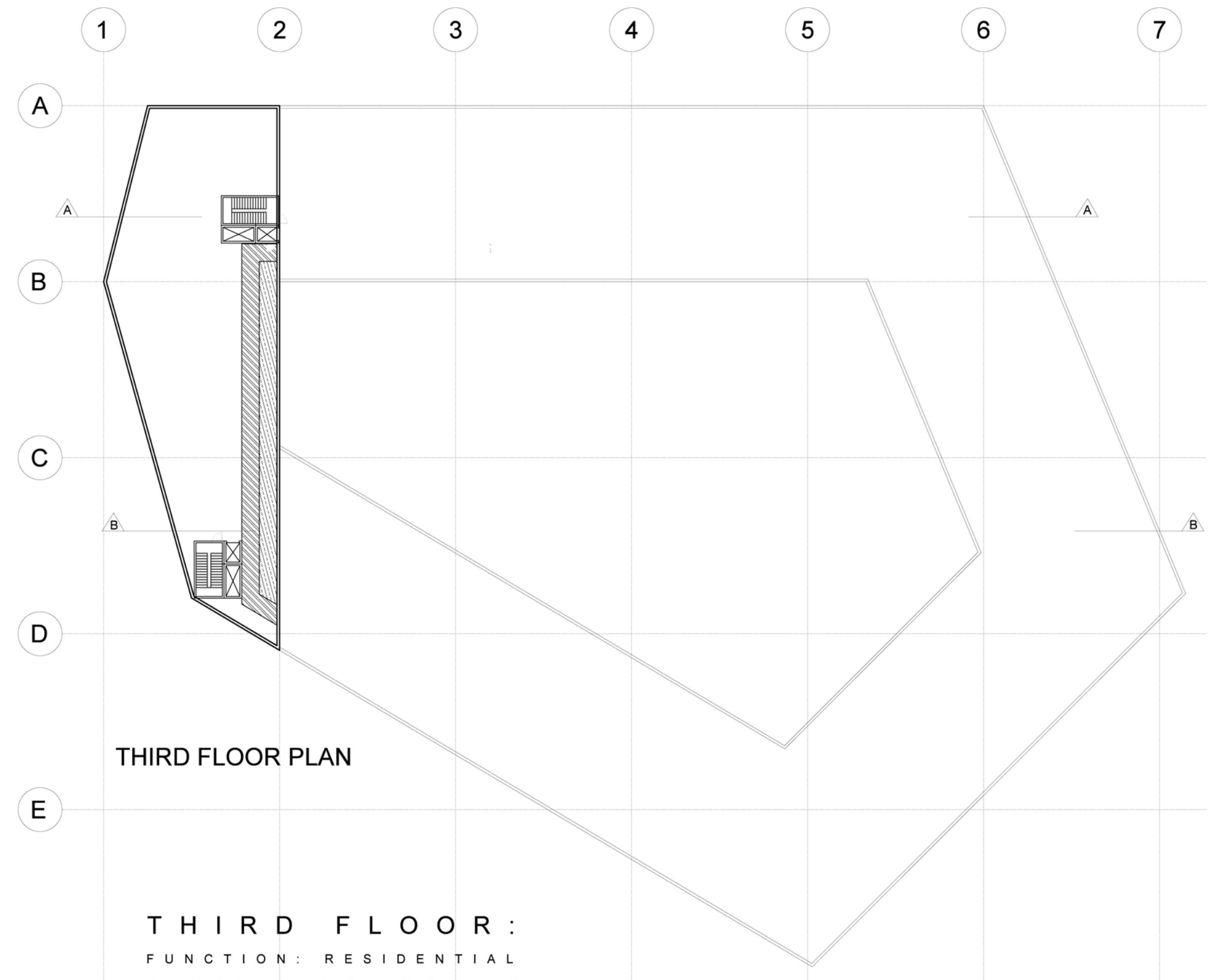




SECOND FLOOR PLAN

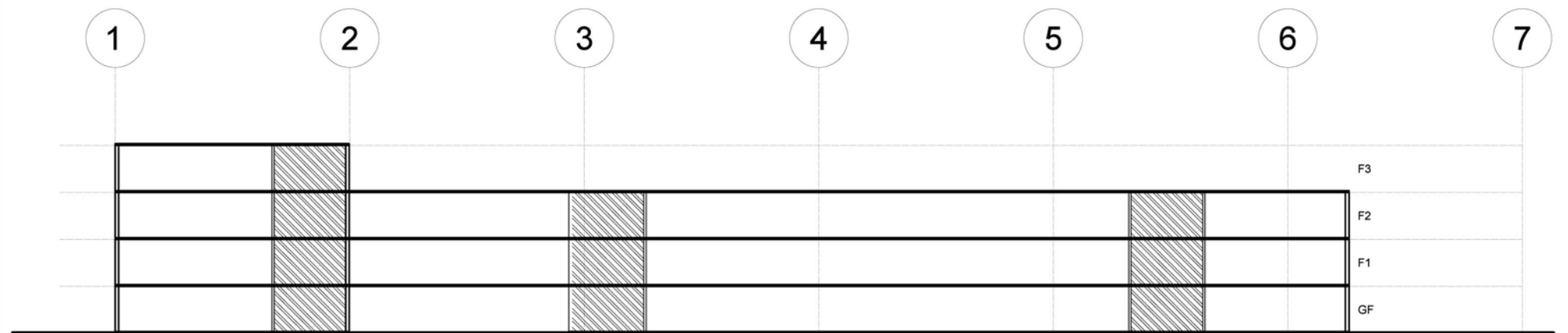
# BLOCK 5

SECOND FLOOR:  
 FUNCTION: RESIDENTIAL  
 TOTAL AREA: 2601 m<sup>2</sup>  
 USABLE SPACE: 1840m<sup>2</sup> - 184m<sup>2</sup> (services)= 1656 m<sup>2</sup>  
 TOTAL OCCUPANCY: 66 people (residential: 25 m<sup>2</sup>/person)

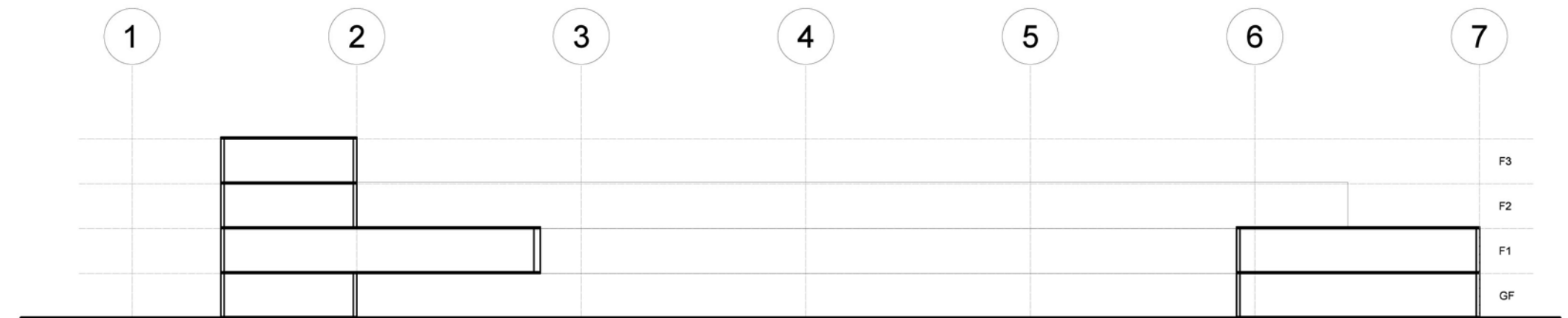


THIRD FLOOR PLAN

THIRD FLOOR:  
 FUNCTION: RESIDENTIAL  
 TOTAL AREA: 919 m<sup>2</sup>  
 USABLE SPACE: 637m<sup>2</sup> - 63m<sup>2</sup> (services)= 574 m<sup>2</sup>  
 TOTAL OCCUPANCY: 23 people (residential: 25 m<sup>2</sup>/person)



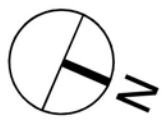
SECTION AA



SECTION BB

**TOTAL OCCUPANCY:**  
 RETAIL: 329 people  
 RESIDENTIAL: 307 people

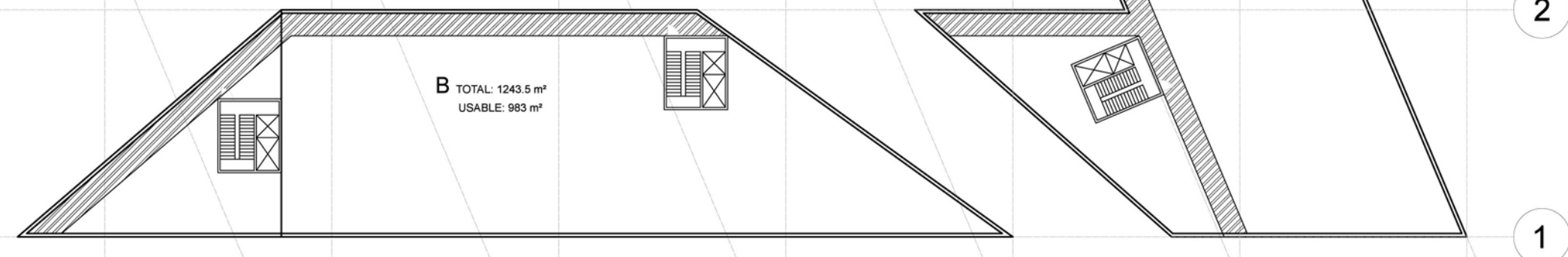




# BLOCK 6

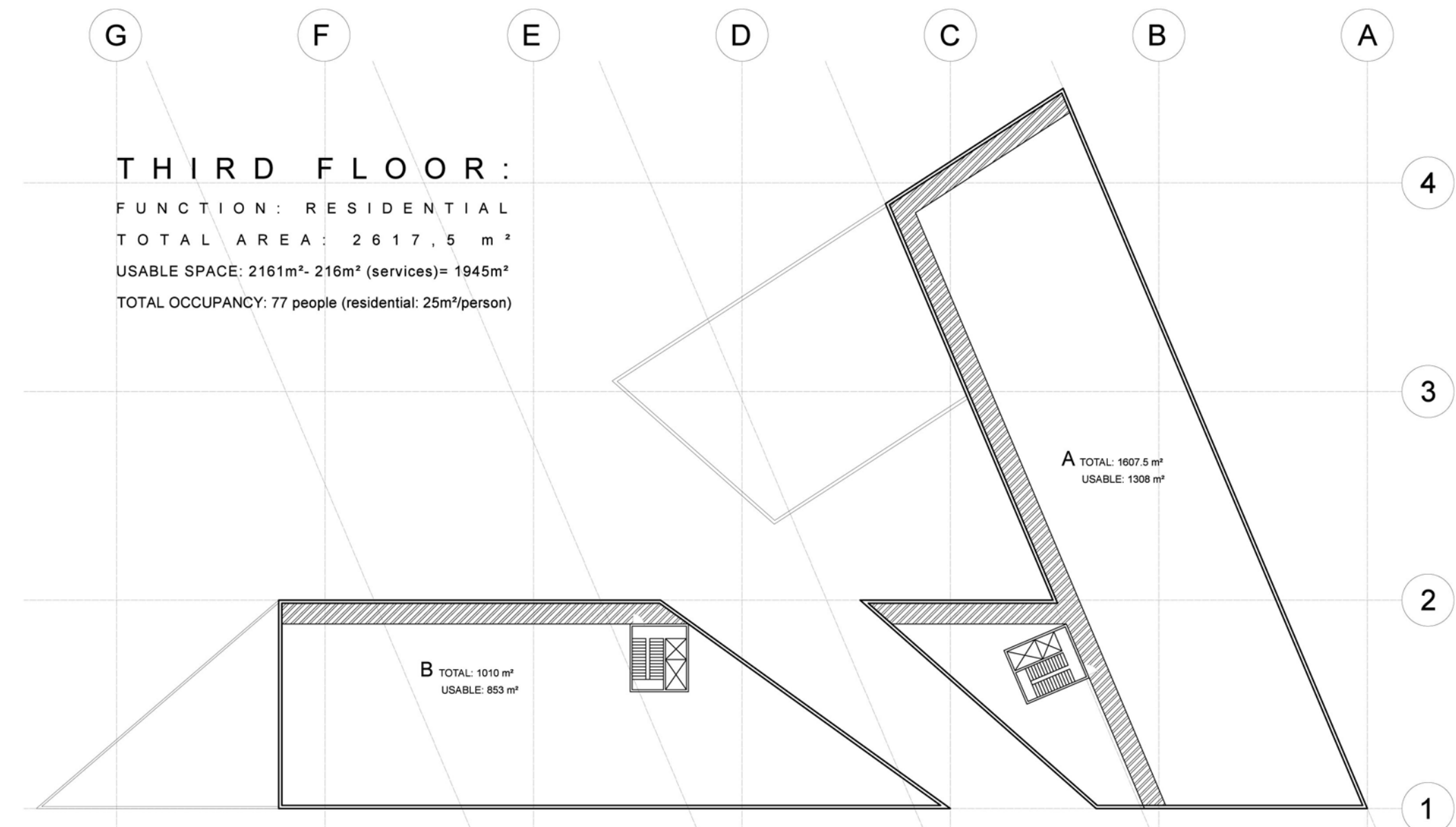
**GROUND FLOOR:**  
 FUNCTION: RETAIL  
 TOTAL AREA: 3385 m<sup>2</sup>  
 USABLE SPACE: 2710m<sup>2</sup>- 271m<sup>2</sup> (services)= 2439m<sup>2</sup>  
 TOTAL OCCUPANCY: 609 people (retail: 4m<sup>2</sup>/person)

**FIRST/SECOND FLOORS:**  
 FUNCTION: RESIDENTIAL  
 TOTAL AREA: 3385 m<sup>2</sup>  
 USABLE SPACE: 2710m<sup>2</sup>- 271m<sup>2</sup> (services)= 2439m<sup>2</sup>  
 TOTAL OCCUPANCY: 97 people (residential: 25m<sup>2</sup>/person)



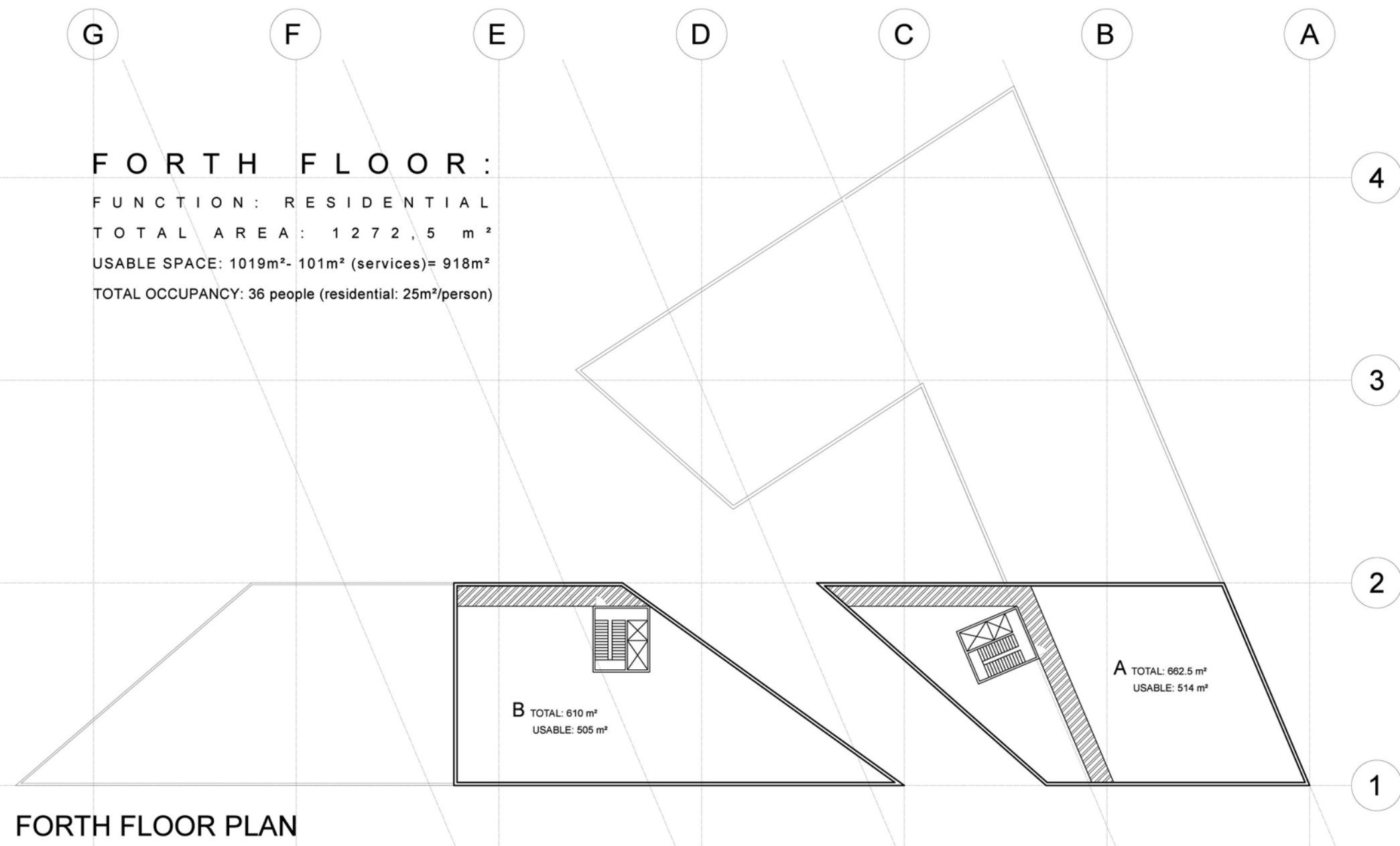
GROUND/ FIRST/ SECOND FLOOR PLAN

**THIRD FLOOR:**  
 FUNCTION: RESIDENTIAL  
 TOTAL AREA: 2617,5 m<sup>2</sup>  
 USABLE SPACE: 2161m<sup>2</sup>- 216m<sup>2</sup> (services)= 1945m<sup>2</sup>  
 TOTAL OCCUPANCY: 77 people (residential: 25m<sup>2</sup>/person)



THIRD FLOOR PLAN

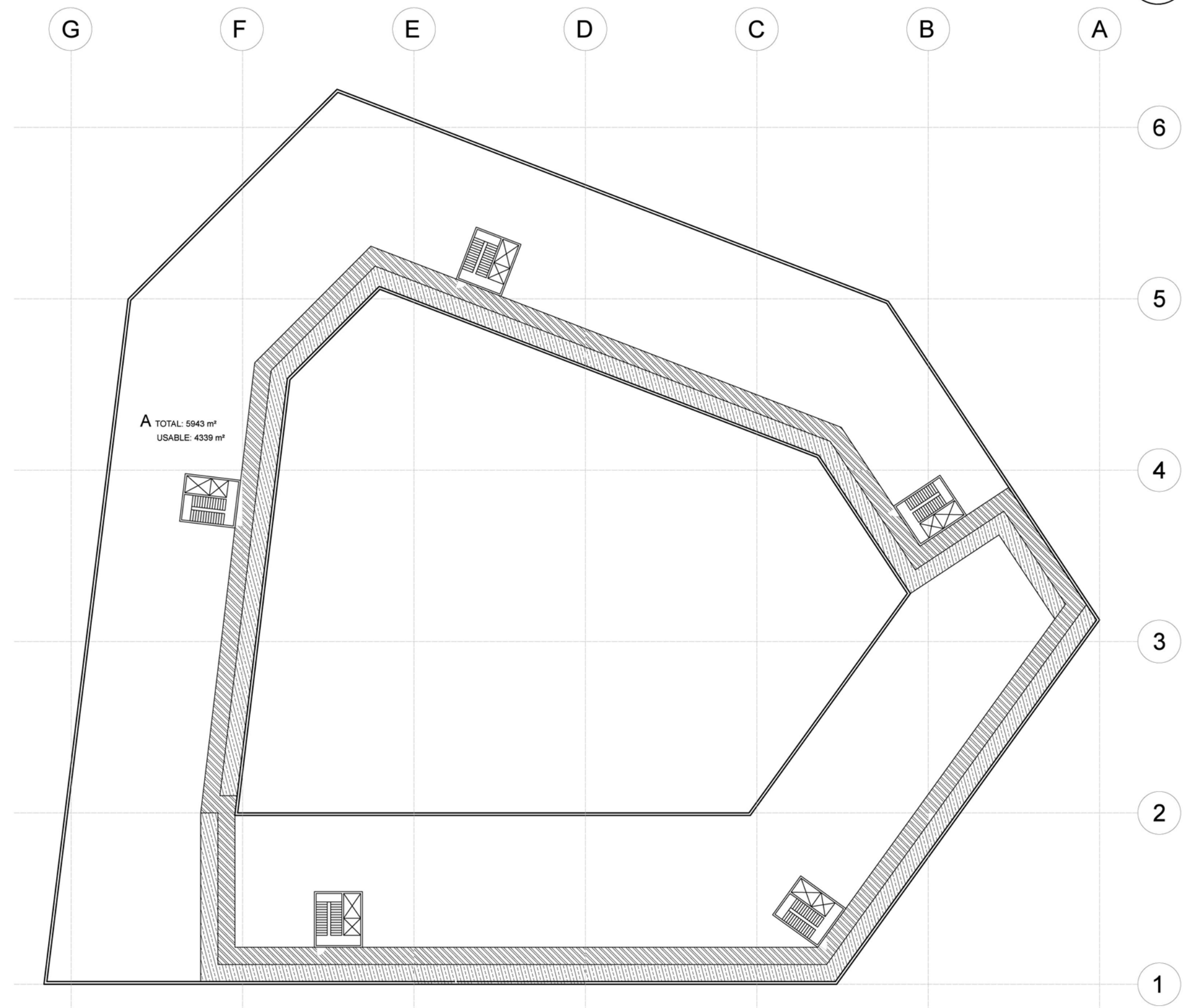
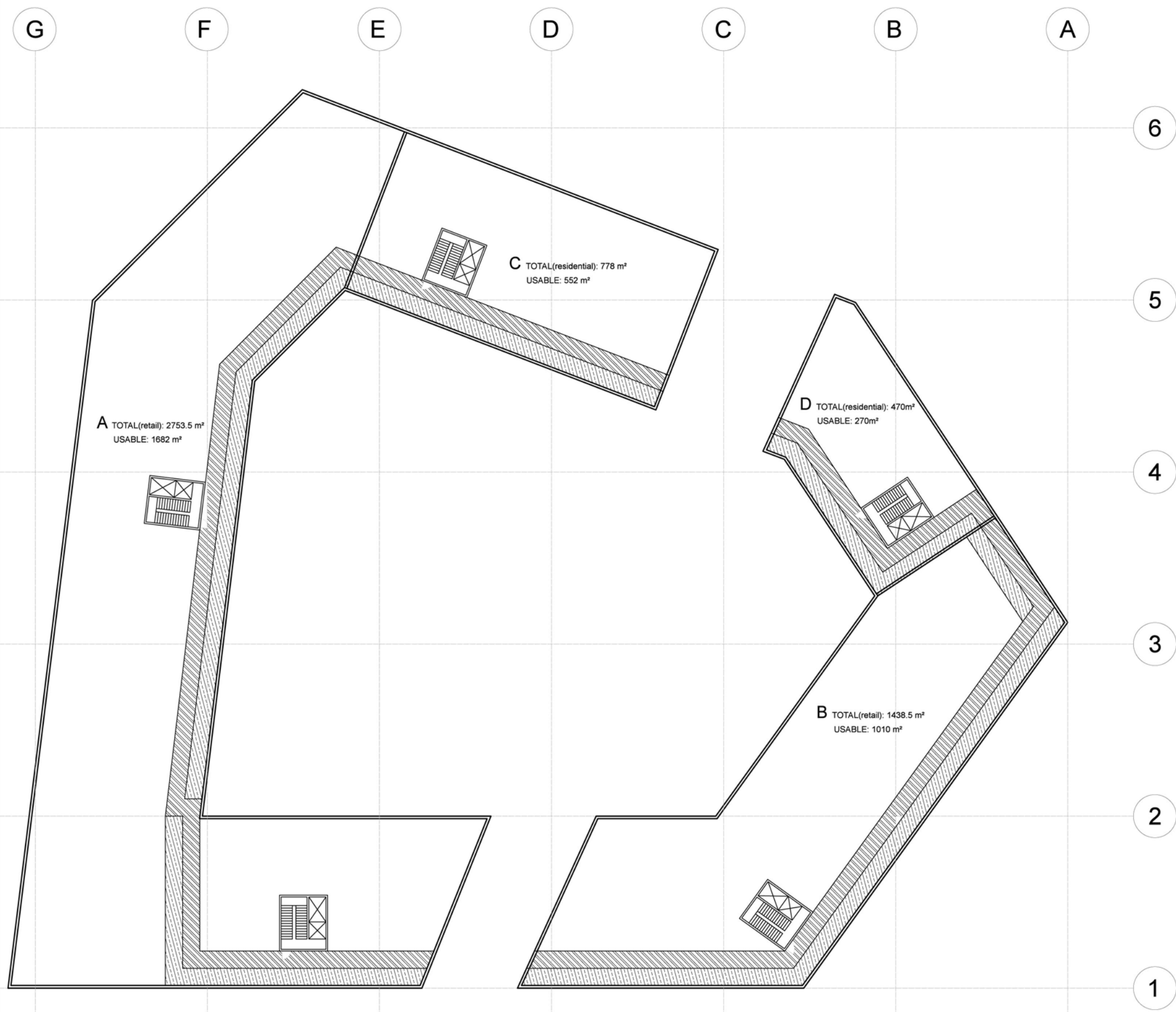
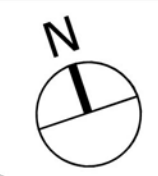
**FORTH FLOOR:**  
 FUNCTION: RESIDENTIAL  
 TOTAL AREA: 1272,5 m<sup>2</sup>  
 USABLE SPACE: 1019m<sup>2</sup>- 101m<sup>2</sup> (services)= 918m<sup>2</sup>  
 TOTAL OCCUPANCY: 36 people (residential: 25m<sup>2</sup>/person)



FORTH FLOOR PLAN

**TOTAL OCCUPANCY:**  
 RETAIL: 609 people  
 RESIDENTIAL: 307 people





# BLOCK 4

## GROUND FLOOR :

FUNCTION: RETAIL / RESIDENTIAL  
 TOTAL AREA (RETAIL): 4192 m<sup>2</sup>  
 TOTAL AREA (RESIDENTIAL): 1248 m<sup>2</sup>  
 USABLE SPACE (RETAIL): 2692m<sup>2</sup>- 269m<sup>2</sup> (services)= 2423m<sup>2</sup>  
 USABLE SPACE (RESIDENTIAL): 822 m<sup>2</sup> - 82m<sup>2</sup> (services)= 740m<sup>2</sup>  
 TOTAL OCCUPANCY RETAIL: 605 people (retail: 4m<sup>2</sup>/person)  
 TOTAL OCCUPANCY RESIDENTIAL: 29 people (residential: 25m<sup>2</sup>/person)

## FIRST FLOOR :

FUNCTION: RESIDENTIAL  
 TOTAL AREA : 5943 m<sup>2</sup>  
 USABLE SPACE: 4339 m<sup>2</sup> - 433m<sup>2</sup> (services)= 3906 m<sup>2</sup>  
 TOTAL OCCUPANCY: 156 people (residential: 25m<sup>2</sup>/person)





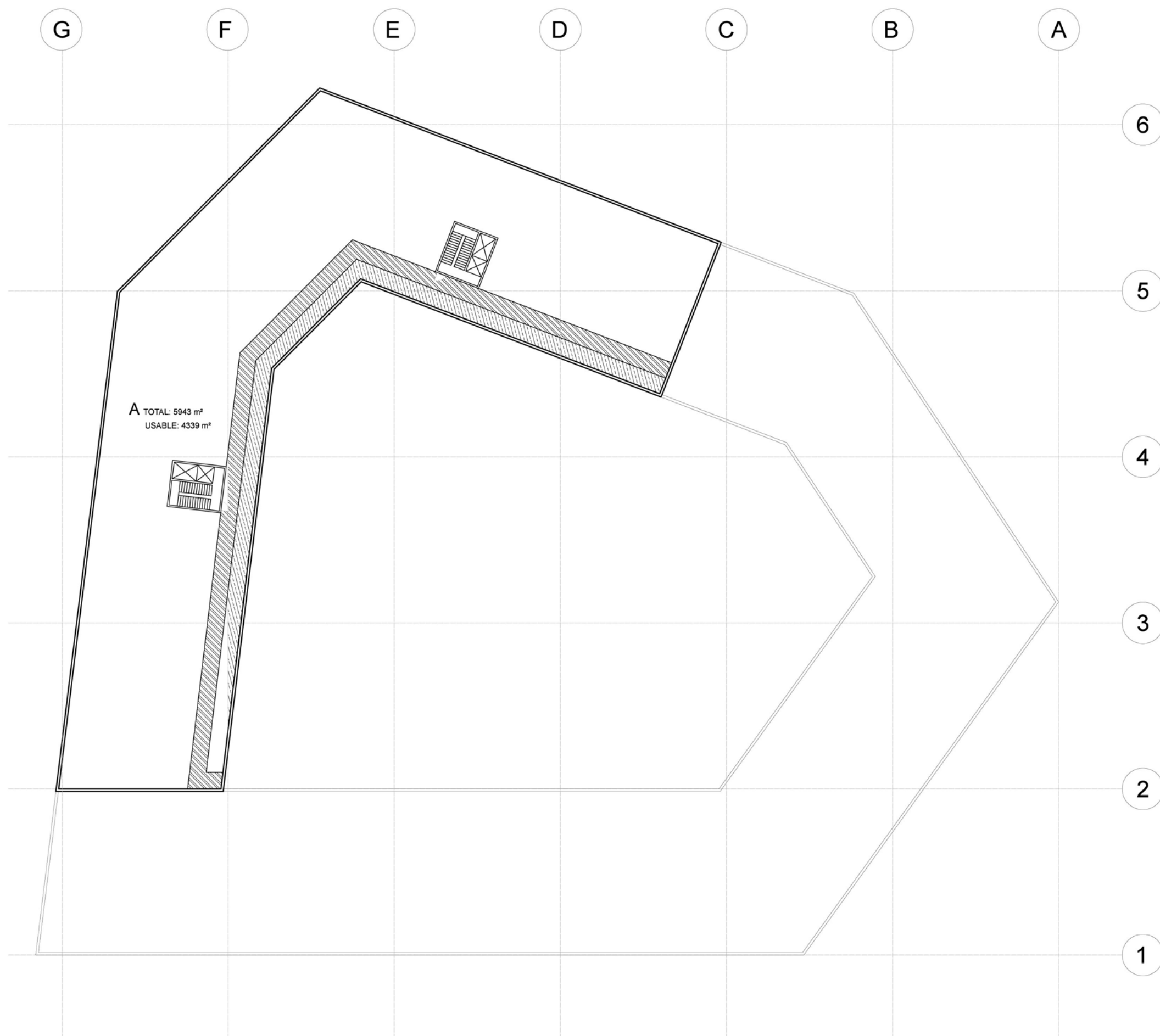
# BLOCK 4

## SECOND FLOOR:

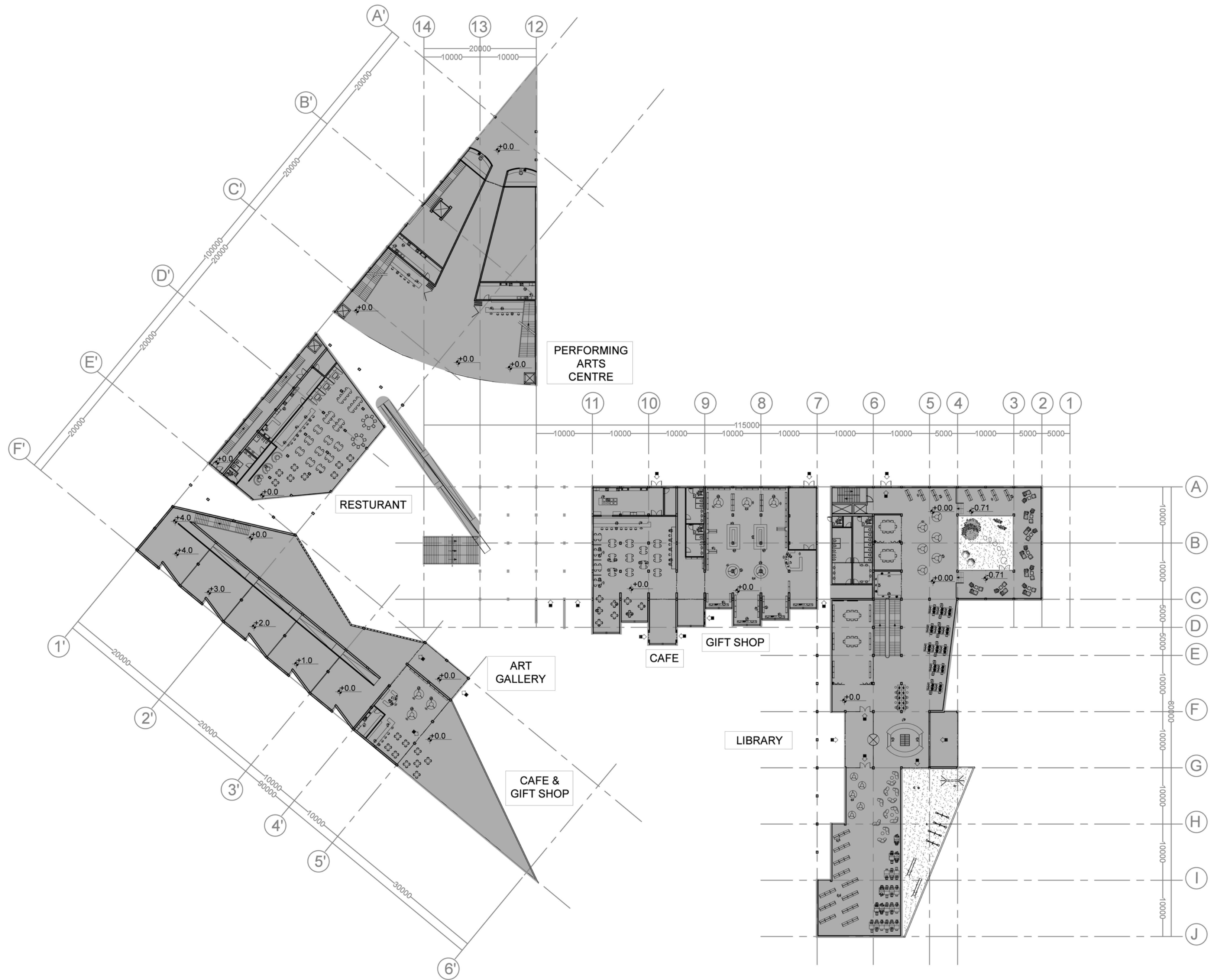
FUNCTION: RESIDENTIAL  
 TOTAL AREA: 2514 m<sup>2</sup>  
 USABLE SPACE: 1917 m<sup>2</sup> -191m<sup>2</sup> (services)= 1726 m<sup>2</sup>  
 TOTAL OCCUPANCY: 69 people (residential: 25m<sup>2</sup>/person)

## TOTAL OCCUPANCY:

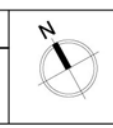
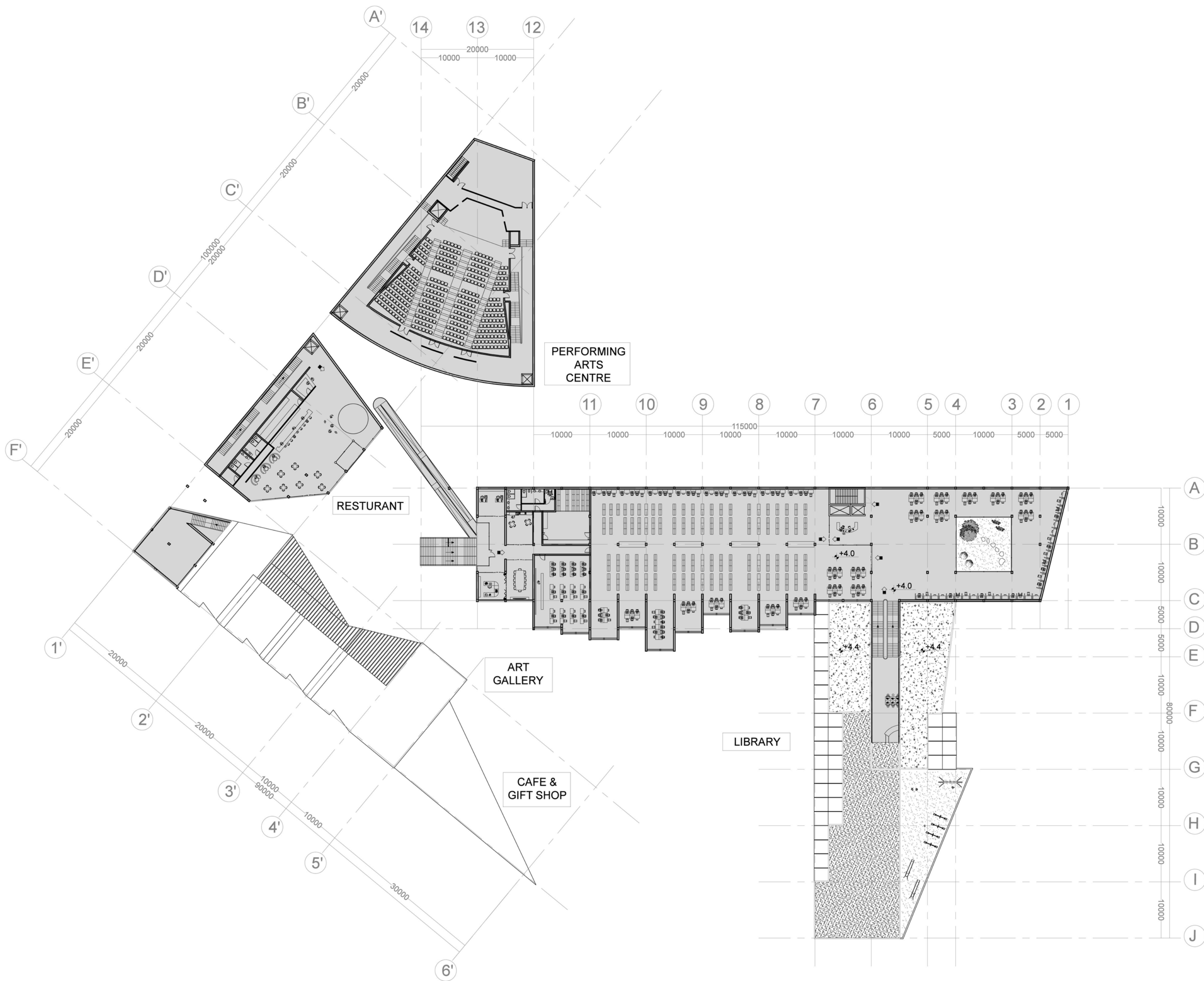
RETAIL: 605 people  
 RESIDENTIAL: 254 people



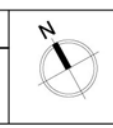
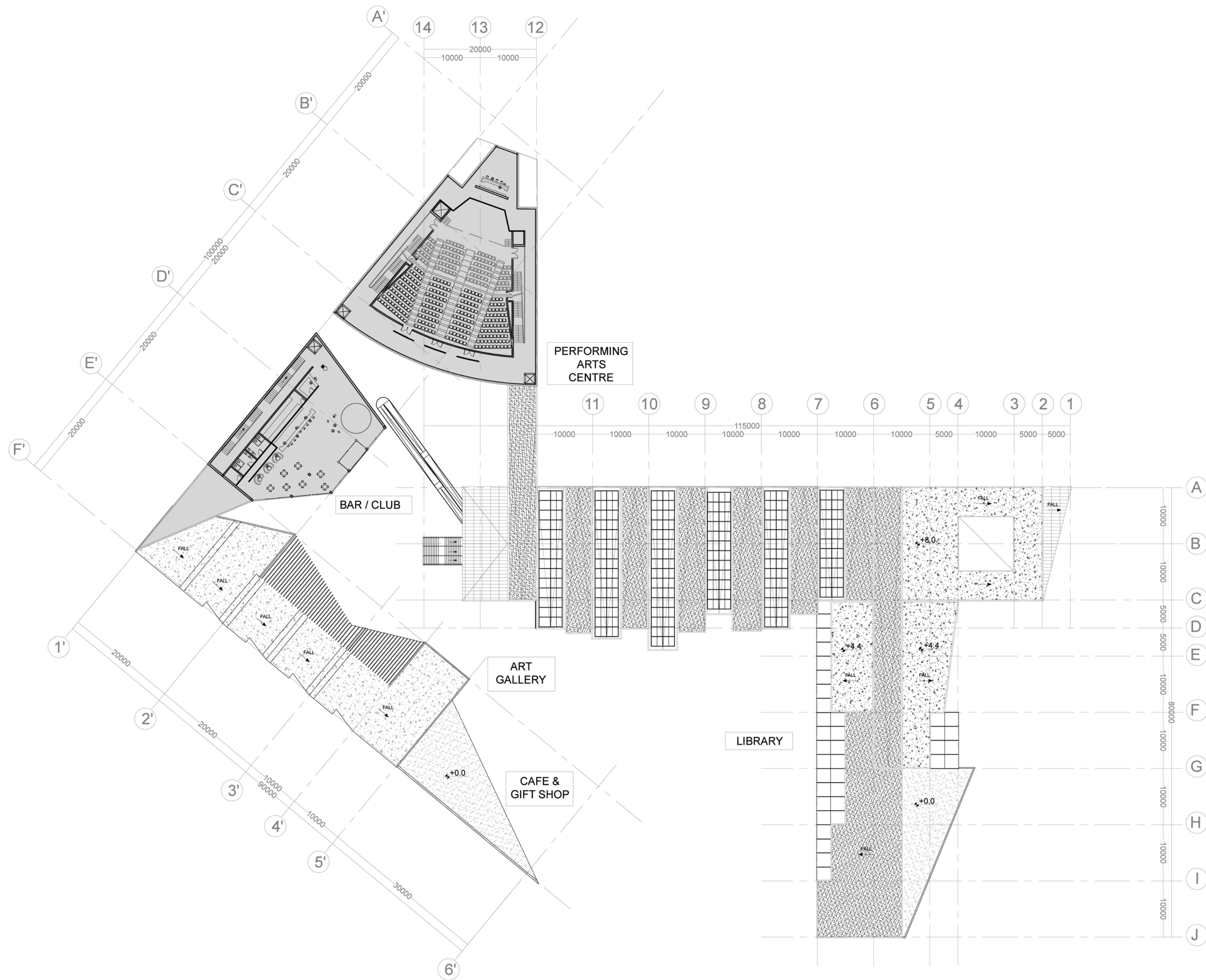








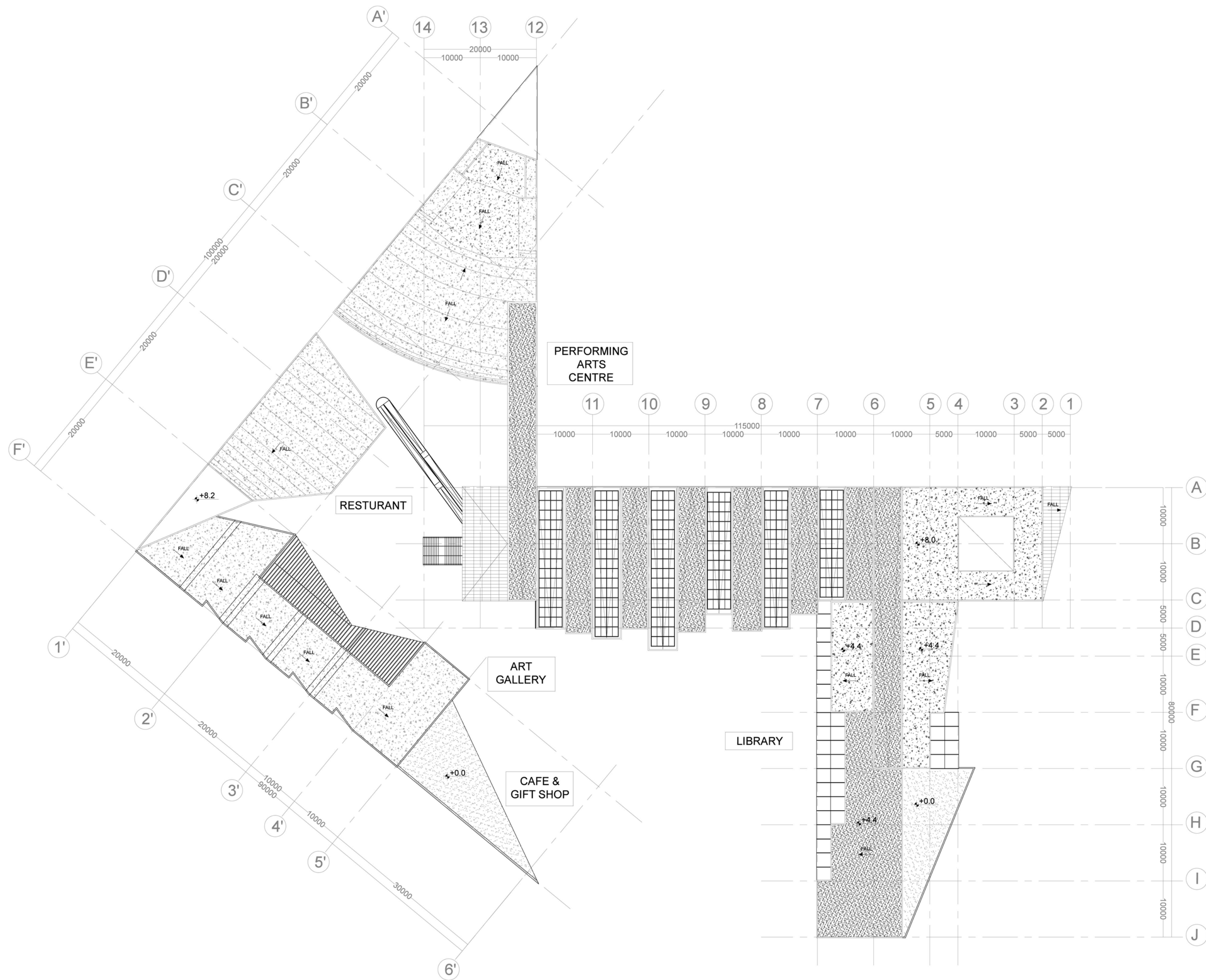




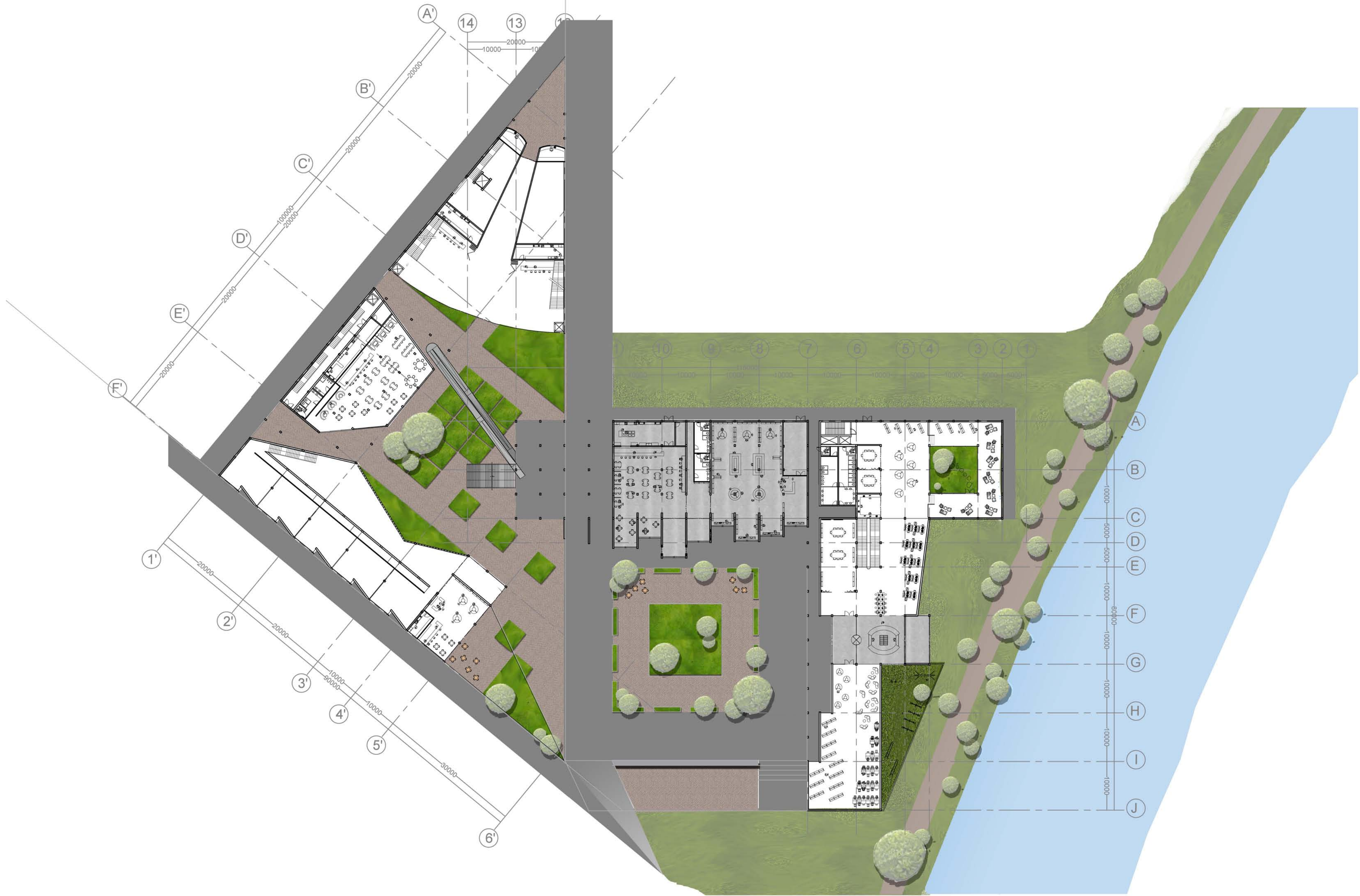






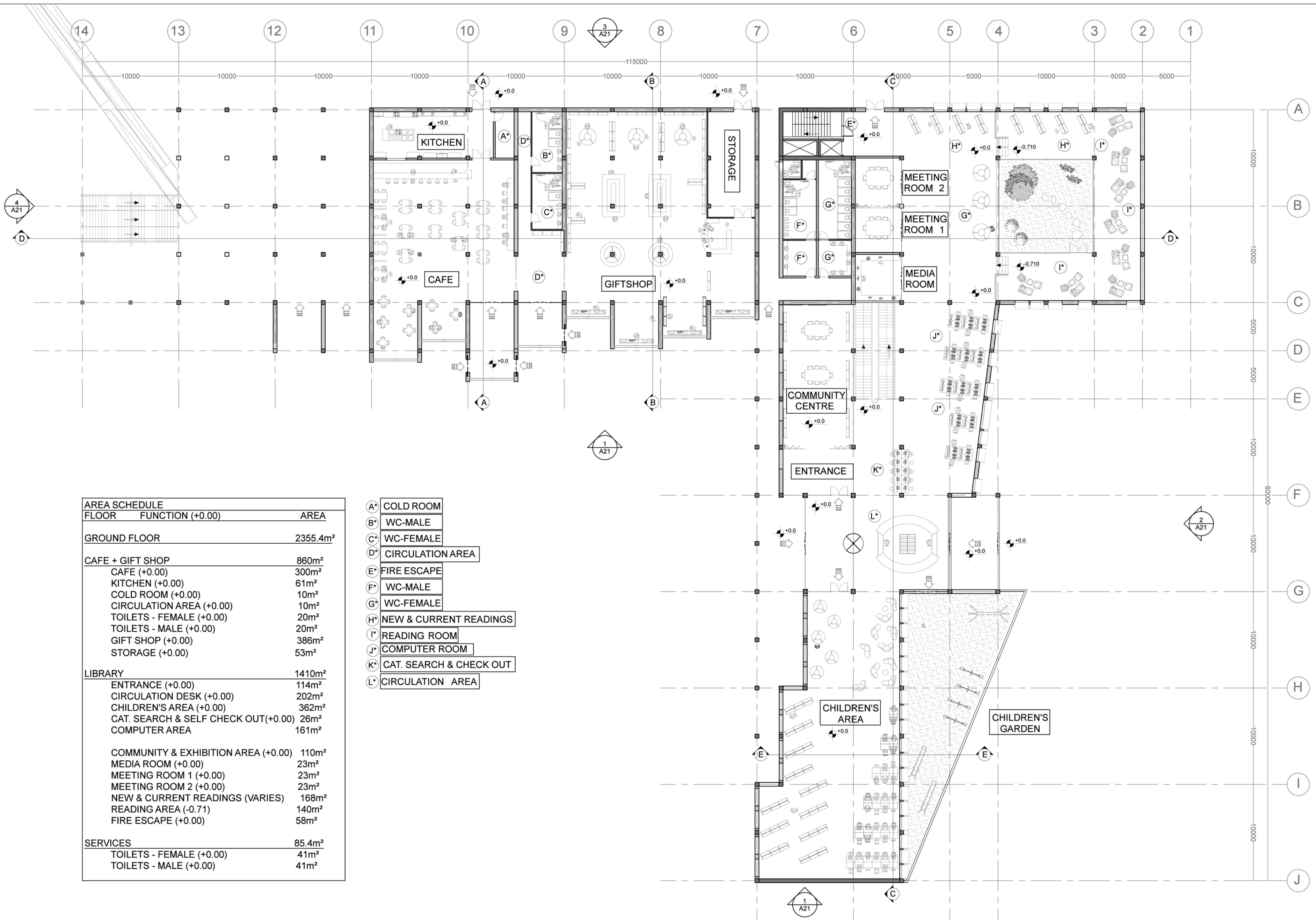






# TIMISOARA MOVING GREEN

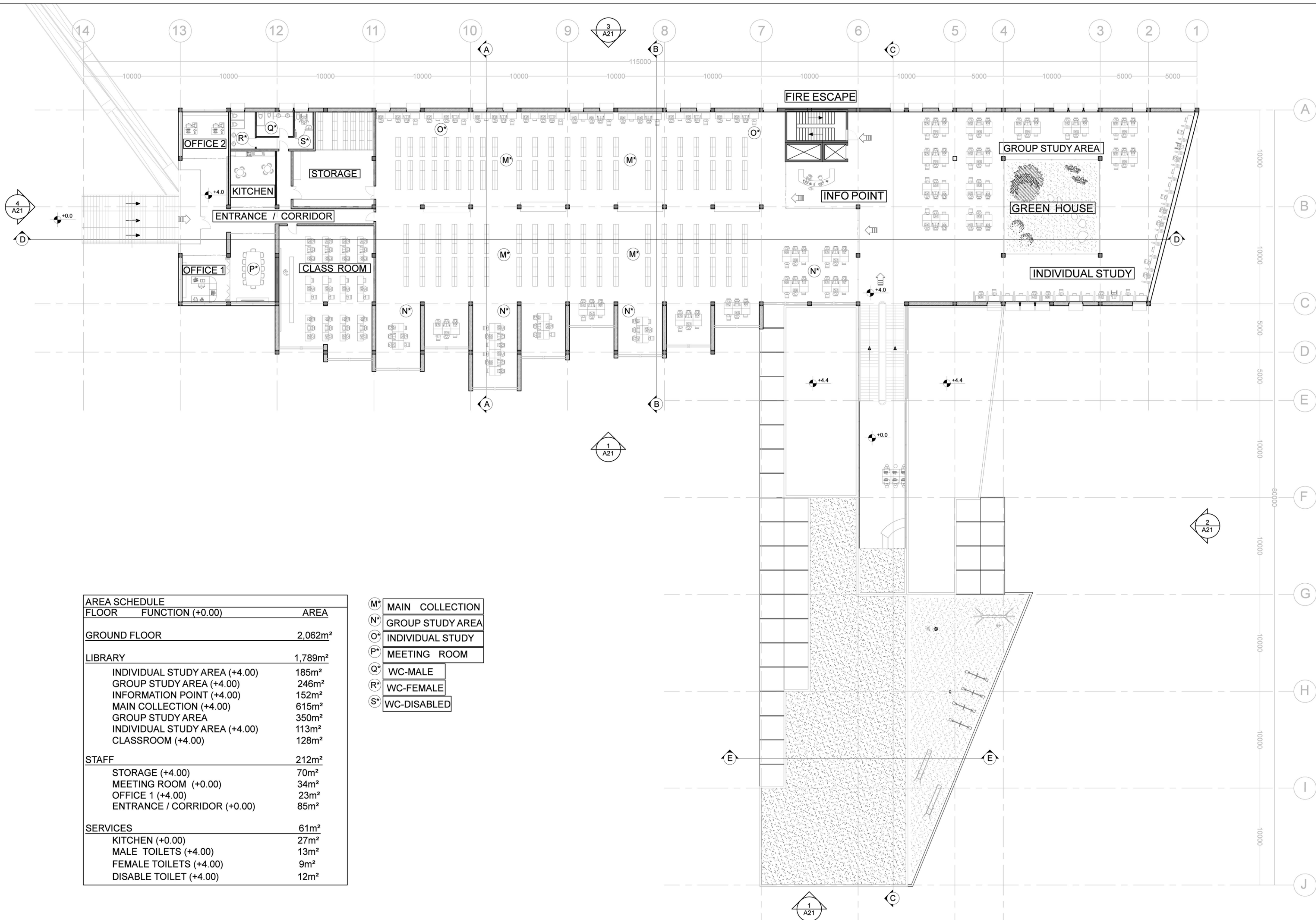




AREA SCHEDULE		
FLOOR	FUNCTION (+0.00)	AREA
<b>GROUND FLOOR</b>		<b>2355.4m<sup>2</sup></b>
<b>CAFE + GIFT SHOP</b>		<b>860m<sup>2</sup></b>
	CAFE (+0.00)	300m <sup>2</sup>
	KITCHEN (+0.00)	61m <sup>2</sup>
	COLD ROOM (+0.00)	10m <sup>2</sup>
	CIRCULATION AREA (+0.00)	10m <sup>2</sup>
	TOILETS - FEMALE (+0.00)	20m <sup>2</sup>
	TOILETS - MALE (+0.00)	20m <sup>2</sup>
	GIFT SHOP (+0.00)	386m <sup>2</sup>
	STORAGE (+0.00)	53m <sup>2</sup>
<b>LIBRARY</b>		<b>1410m<sup>2</sup></b>
	ENTRANCE (+0.00)	114m <sup>2</sup>
	CIRCULATION DESK (+0.00)	202m <sup>2</sup>
	CHILDREN'S AREA (+0.00)	362m <sup>2</sup>
	CAT. SEARCH & SELF CHECK OUT(+0.00)	26m <sup>2</sup>
	COMPUTER AREA	161m <sup>2</sup>
<b>COMMUNITY &amp; EXHIBITION AREA (+0.00)</b>		<b>110m<sup>2</sup></b>
	MEDIA ROOM (+0.00)	23m <sup>2</sup>
	MEETING ROOM 1 (+0.00)	23m <sup>2</sup>
	MEETING ROOM 2 (+0.00)	23m <sup>2</sup>
	NEW & CURRENT READINGS (VARIES)	168m <sup>2</sup>
	READING AREA (-0.71)	140m <sup>2</sup>
	FIRE ESCAPE (+0.00)	58m <sup>2</sup>
<b>SERVICES</b>		<b>85.4m<sup>2</sup></b>
	TOILETS - FEMALE (+0.00)	41m <sup>2</sup>
	TOILETS - MALE (+0.00)	41m <sup>2</sup>

- A\* COLD ROOM
- B\* WC-MALE
- C\* WC-FEMALE
- D\* CIRCULATION AREA
- E\* FIRE ESCAPE
- F\* WC-MALE
- G\* WC-FEMALE
- H\* NEW & CURRENT READINGS
- I\* READING ROOM
- J\* COMPUTER ROOM
- K\* CAT. SEARCH & CHECK OUT
- L\* CIRCULATION AREA

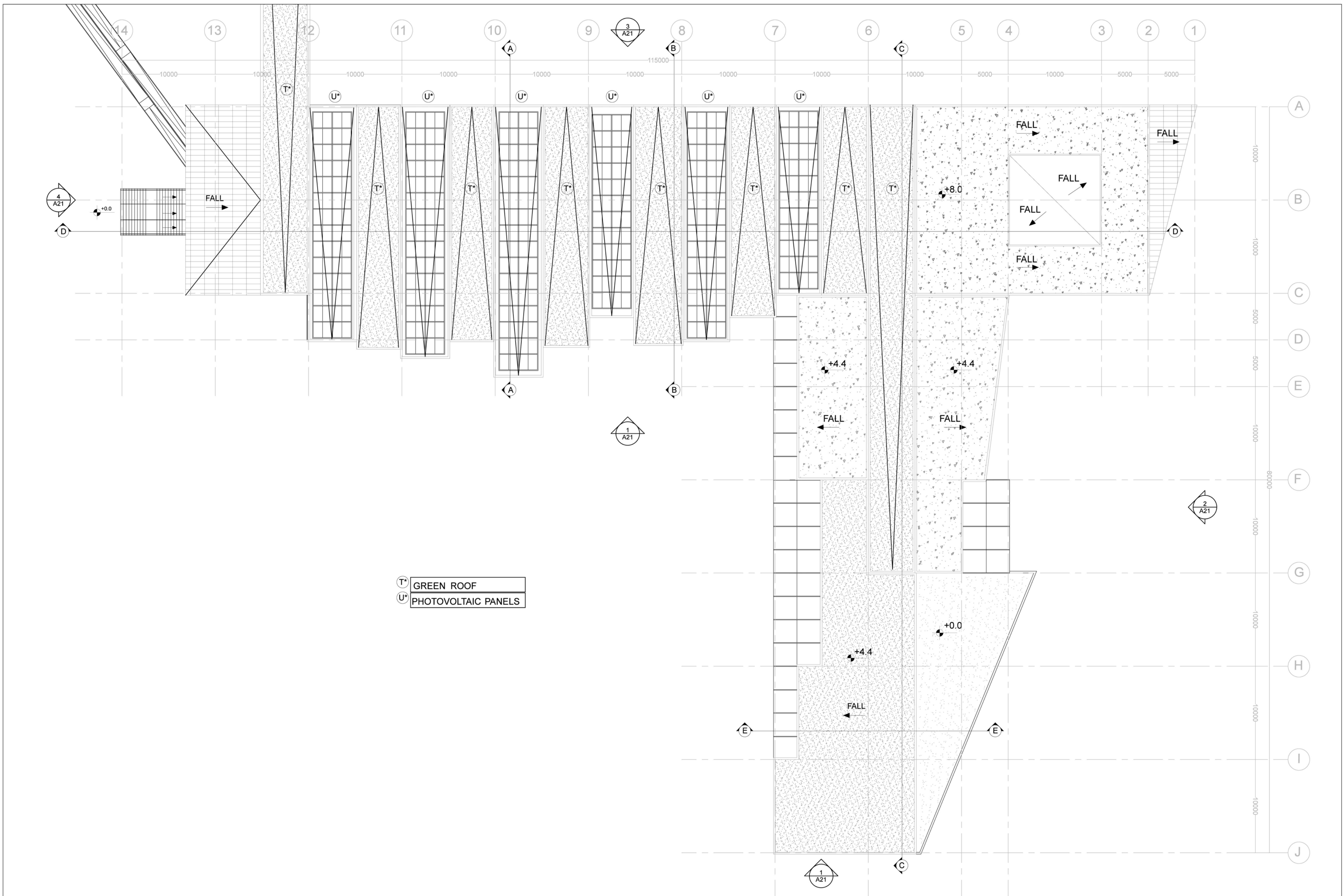




AREA SCHEDULE		
FLOOR	FUNCTION (+0.00)	AREA
<b>GROUND FLOOR</b>		<b>2,062m<sup>2</sup></b>
<b>LIBRARY</b>		<b>1,789m<sup>2</sup></b>
	INDIVIDUAL STUDY AREA (+4.00)	185m <sup>2</sup>
	GROUP STUDY AREA (+4.00)	246m <sup>2</sup>
	INFORMATION POINT (+4.00)	152m <sup>2</sup>
	MAIN COLLECTION (+4.00)	615m <sup>2</sup>
	GROUP STUDY AREA	350m <sup>2</sup>
	INDIVIDUAL STUDY AREA (+4.00)	113m <sup>2</sup>
	CLASSROOM (+4.00)	128m <sup>2</sup>
<b>STAFF</b>		<b>212m<sup>2</sup></b>
	STORAGE (+4.00)	70m <sup>2</sup>
	MEETING ROOM (+0.00)	34m <sup>2</sup>
	OFFICE 1 (+4.00)	23m <sup>2</sup>
	ENTRANCE / CORRIDOR (+0.00)	85m <sup>2</sup>
<b>SERVICES</b>		<b>61m<sup>2</sup></b>
	KITCHEN (+0.00)	27m <sup>2</sup>
	MALE TOILETS (+4.00)	13m <sup>2</sup>
	FEMALE TOILETS (+4.00)	9m <sup>2</sup>
	DISABLE TOILET (+4.00)	12m <sup>2</sup>

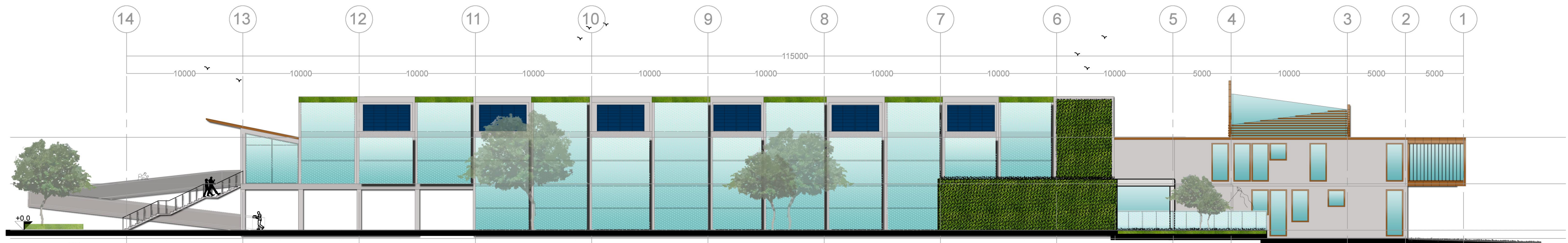
- M\*** MAIN COLLECTION
- N\*** GROUP STUDY AREA
- O\*** INDIVIDUAL STUDY
- P\*** MEETING ROOM
- Q\*** WC-MALE
- R\*** WC-FEMALE
- S\*** WC-DISABLED



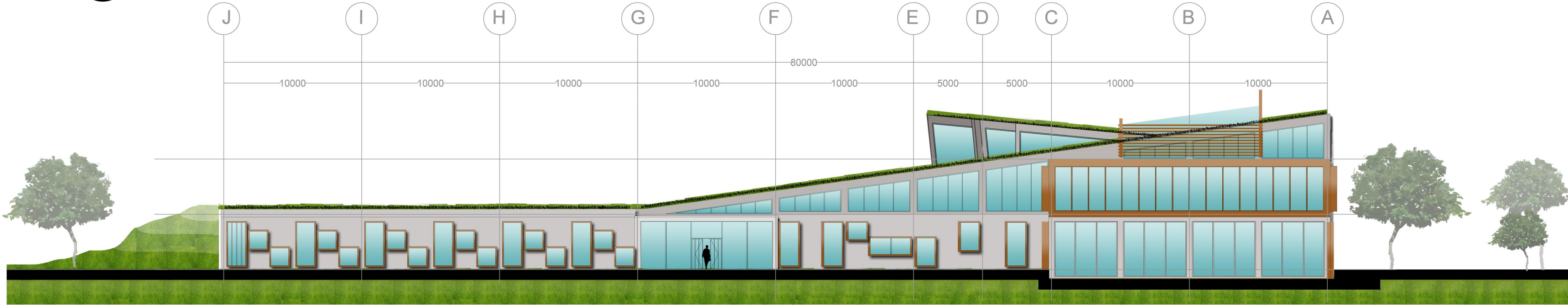


T GREEN ROOF  
 U PHOTOVOLTAIC PANELS

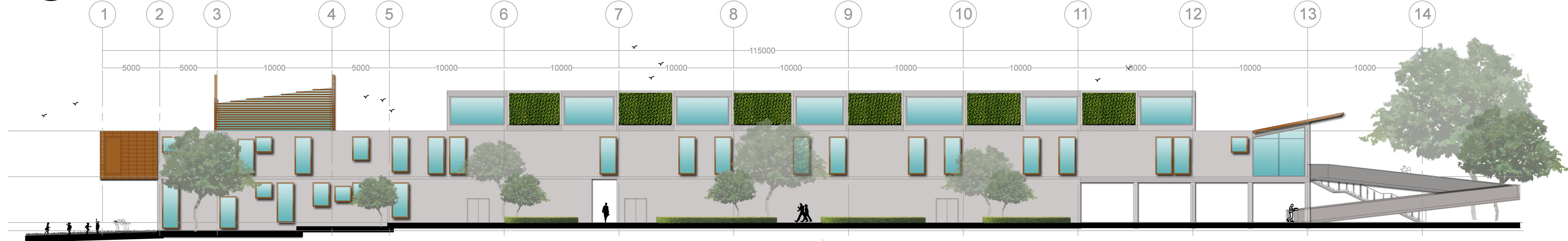




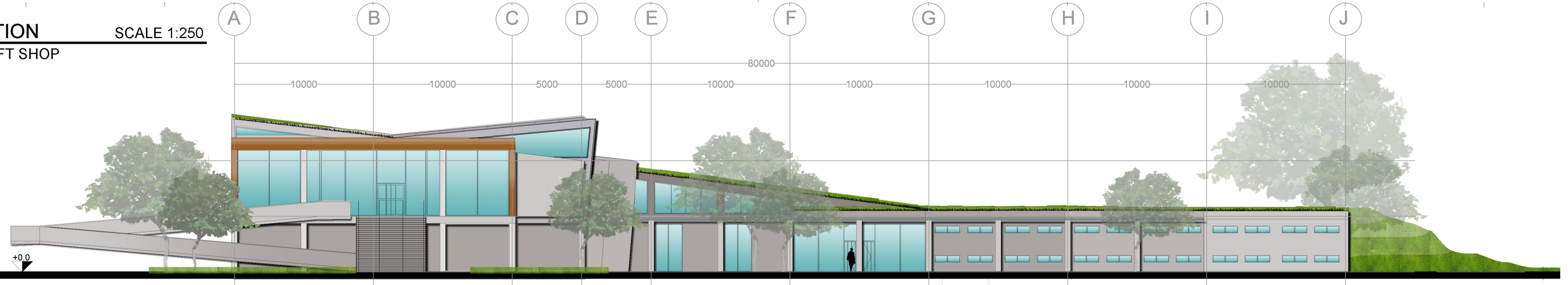
**1 SOUTH ELEVATION** SCALE 1:250  
LIBRARY / CAFE / GIFT SHOP



**2 EAST ELEVATION** SCALE 1:250  
LIBRARY / CAFE / GIFT SHOP

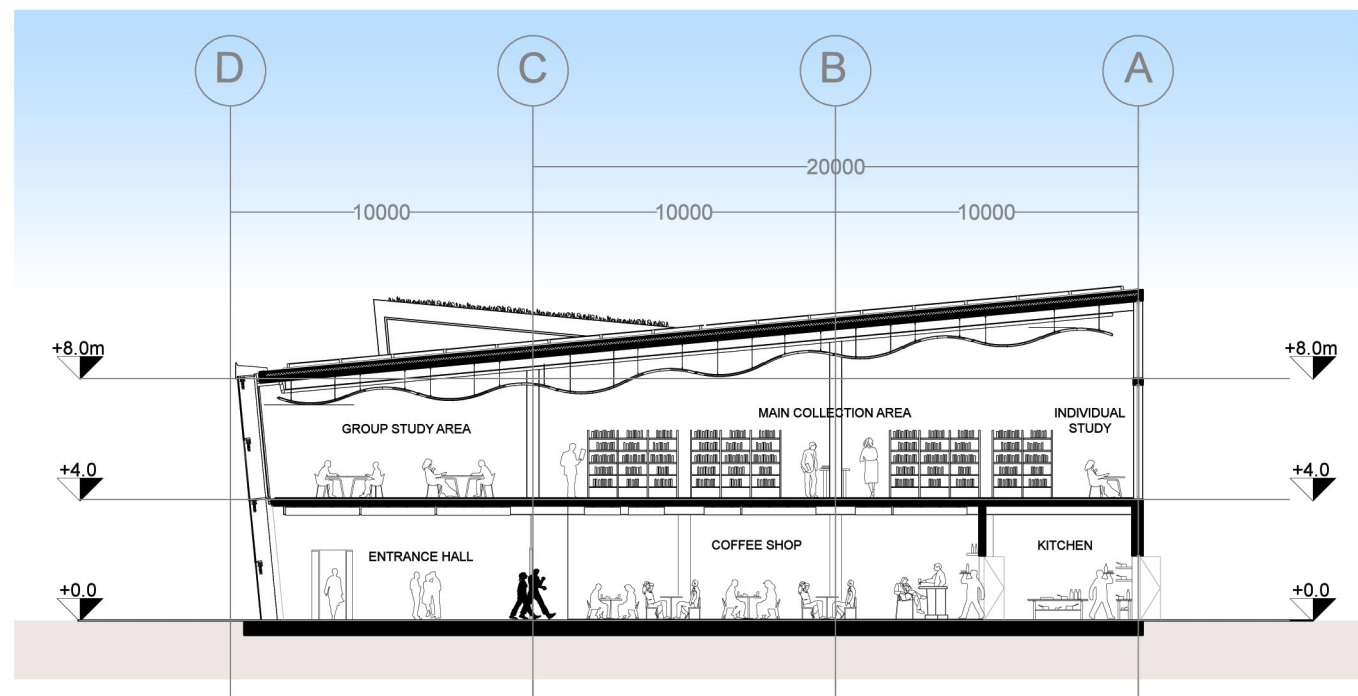


**3 NORTH ELEVATION** SCALE 1:250  
LIBRARY / CAFE / GIFT SHOP

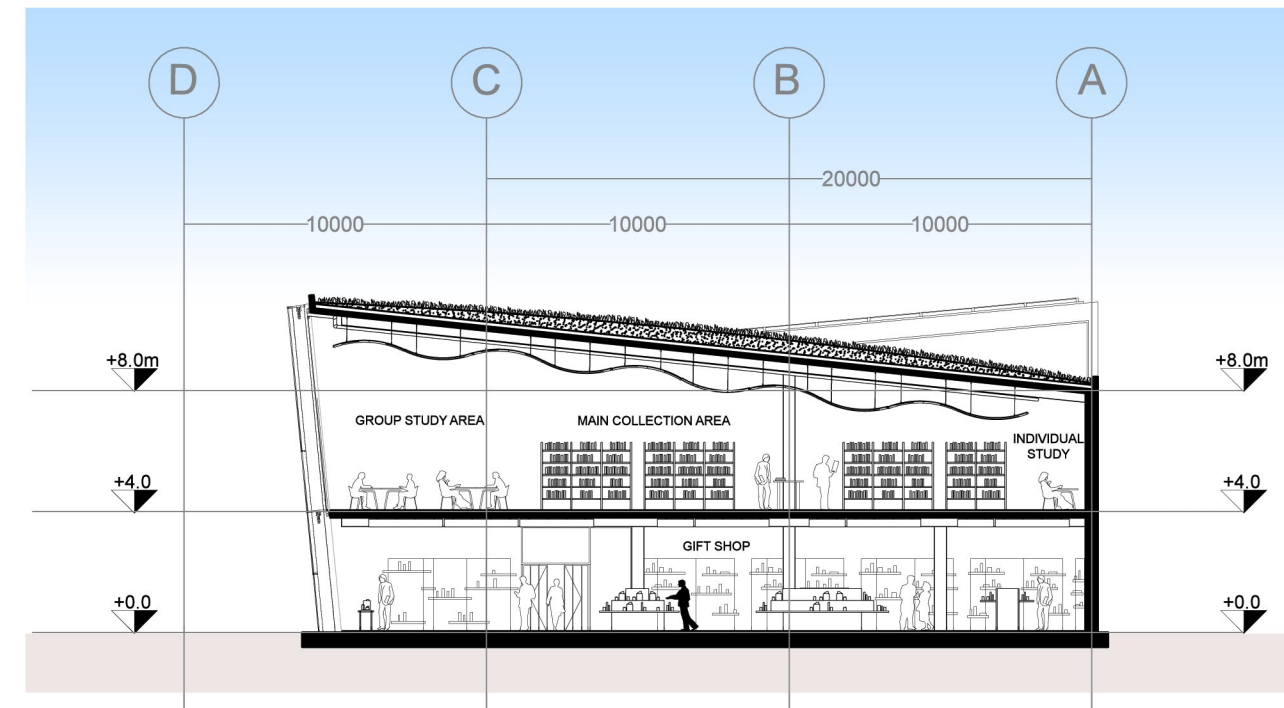


**4 WEST ELEVATION** SCALE 1:250  
LIBRARY / CAFE / GIFT SHOP

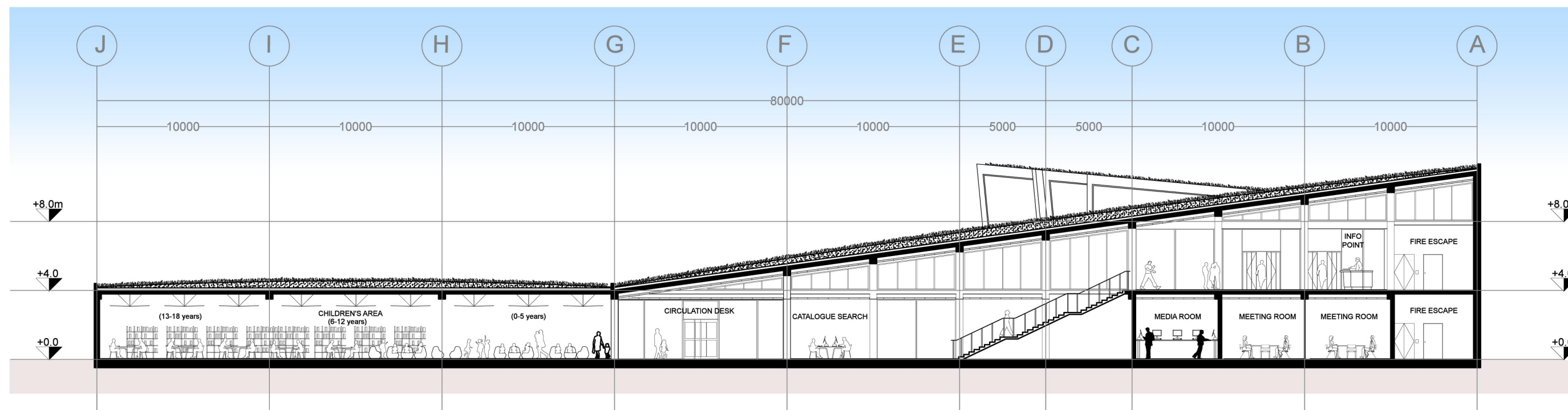




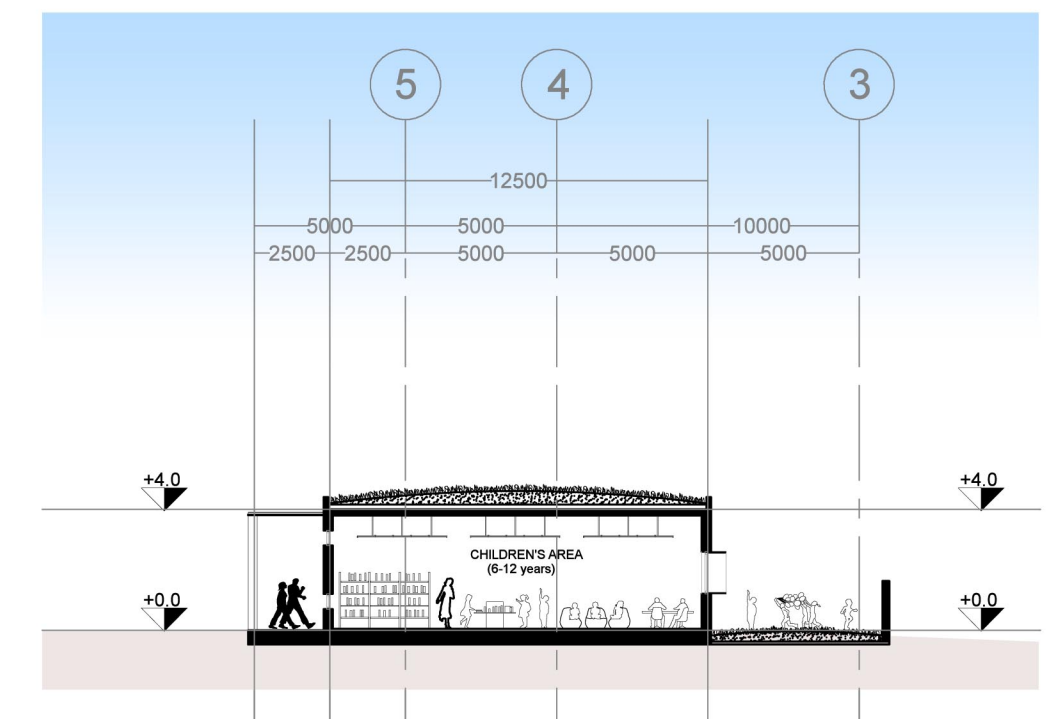
1 SECTION AA  
LIBRARY / CAFE / GIFT SHOP SCALE 1:250



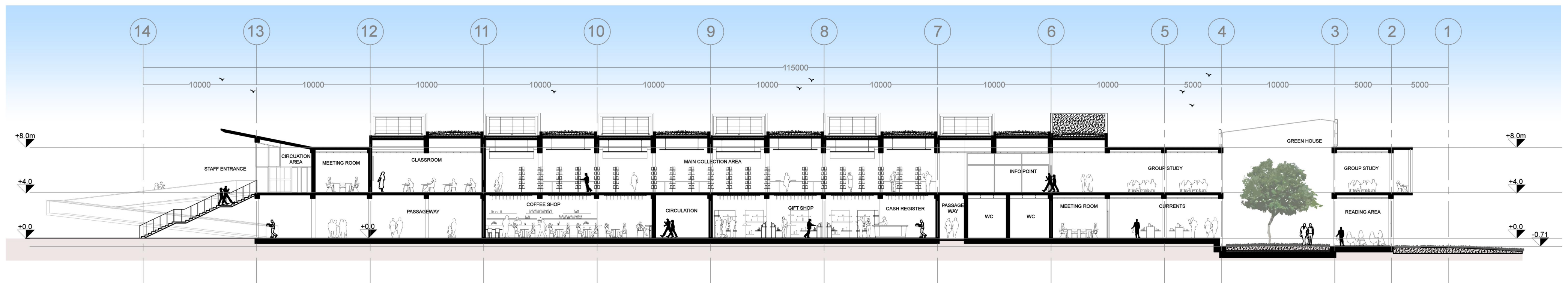
2 SECTION BB  
LIBRARY / CAFE / GIFT SHOP SCALE 1:250



3 SECTION CC  
LIBRARY SCALE 1:250

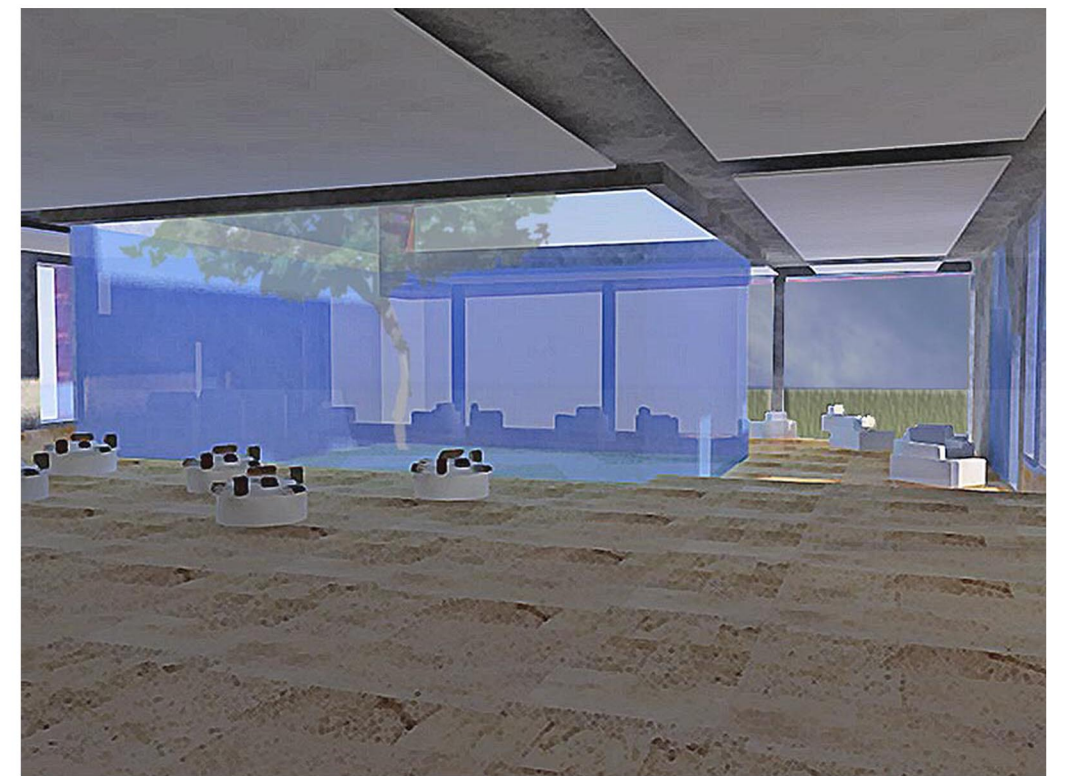
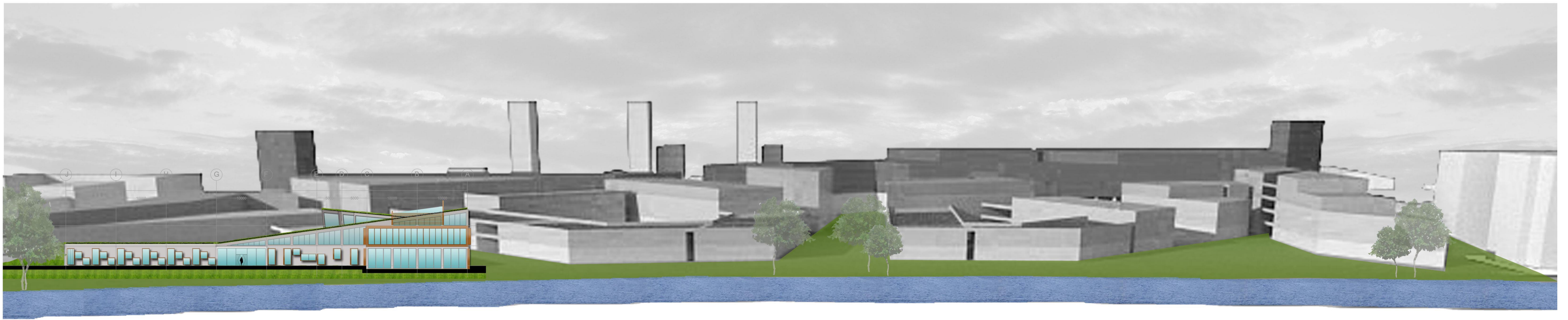


4 SECTION EE  
LIBRARY SCALE 1:250



5 SECTION DD  
LIBRARY / CAFE / GIFT SHOP SCALE 1:250

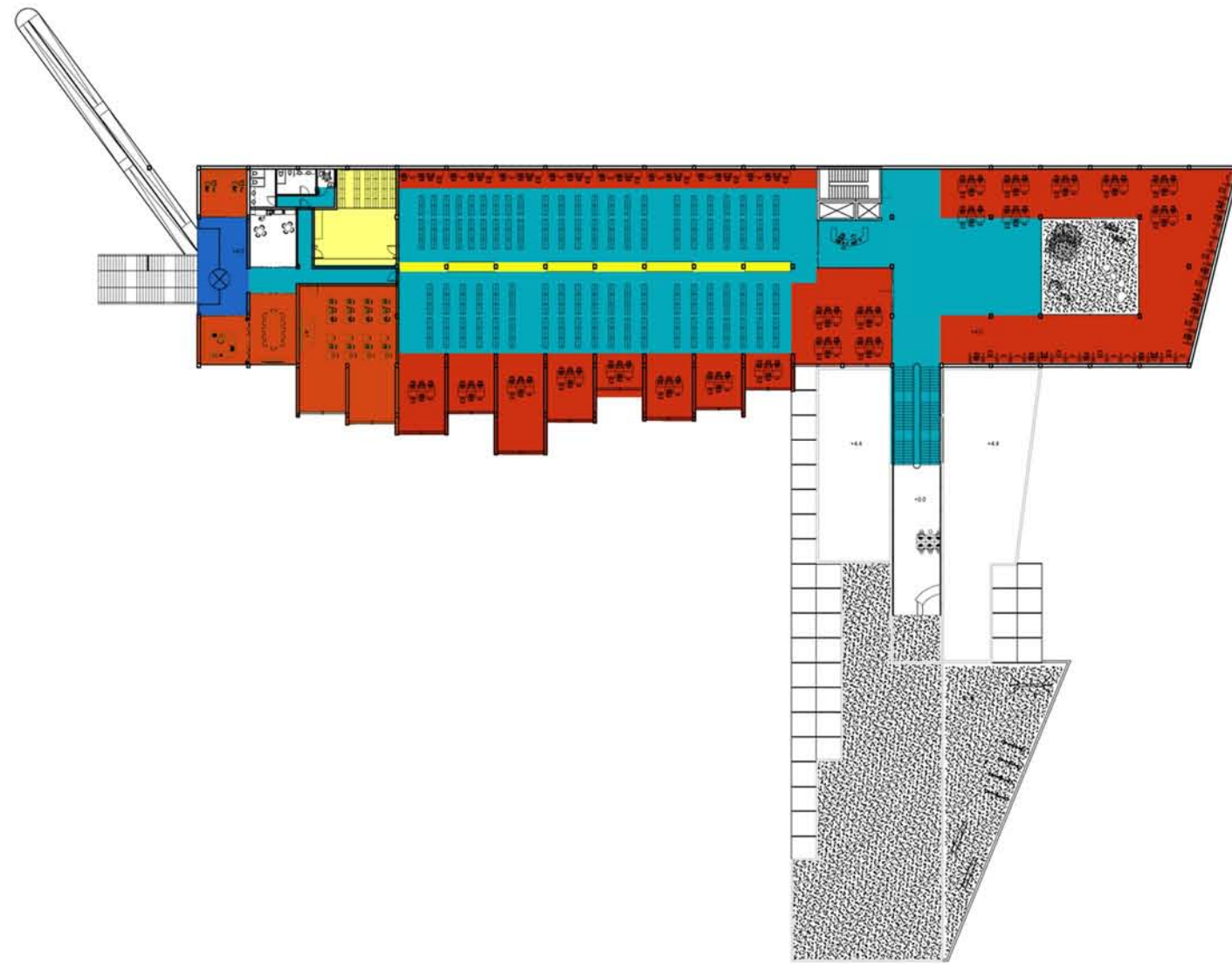




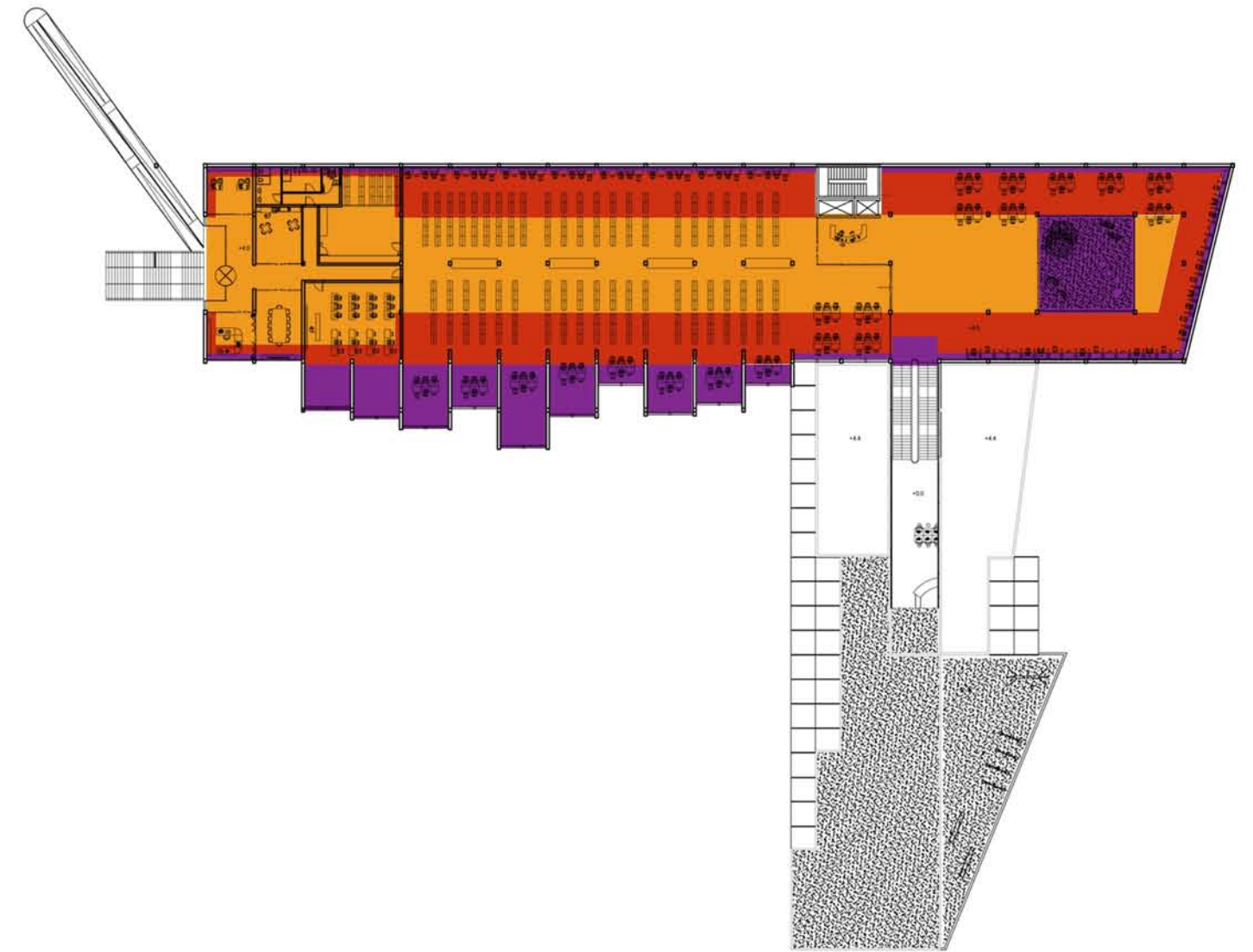


- READING / STUDY AREA**  
400 - 500 LUX
- MEETING ROOMS**  
250-400 LUX
- COMPUTER/ MEDIA AREA**  
150- 300 LUX
- GIFT SHOP/ EXHIBITON AREA**  
100-300 LUX
- STORAGE**  
150-200 LUX
- OPEN SHELVES / CIRCULATION**  
100-200 LUX
- ENTRANCE**  
100-150 LUX

- > 500 LUX
- 500 LUX
- 300 LUX
- <100 LUX



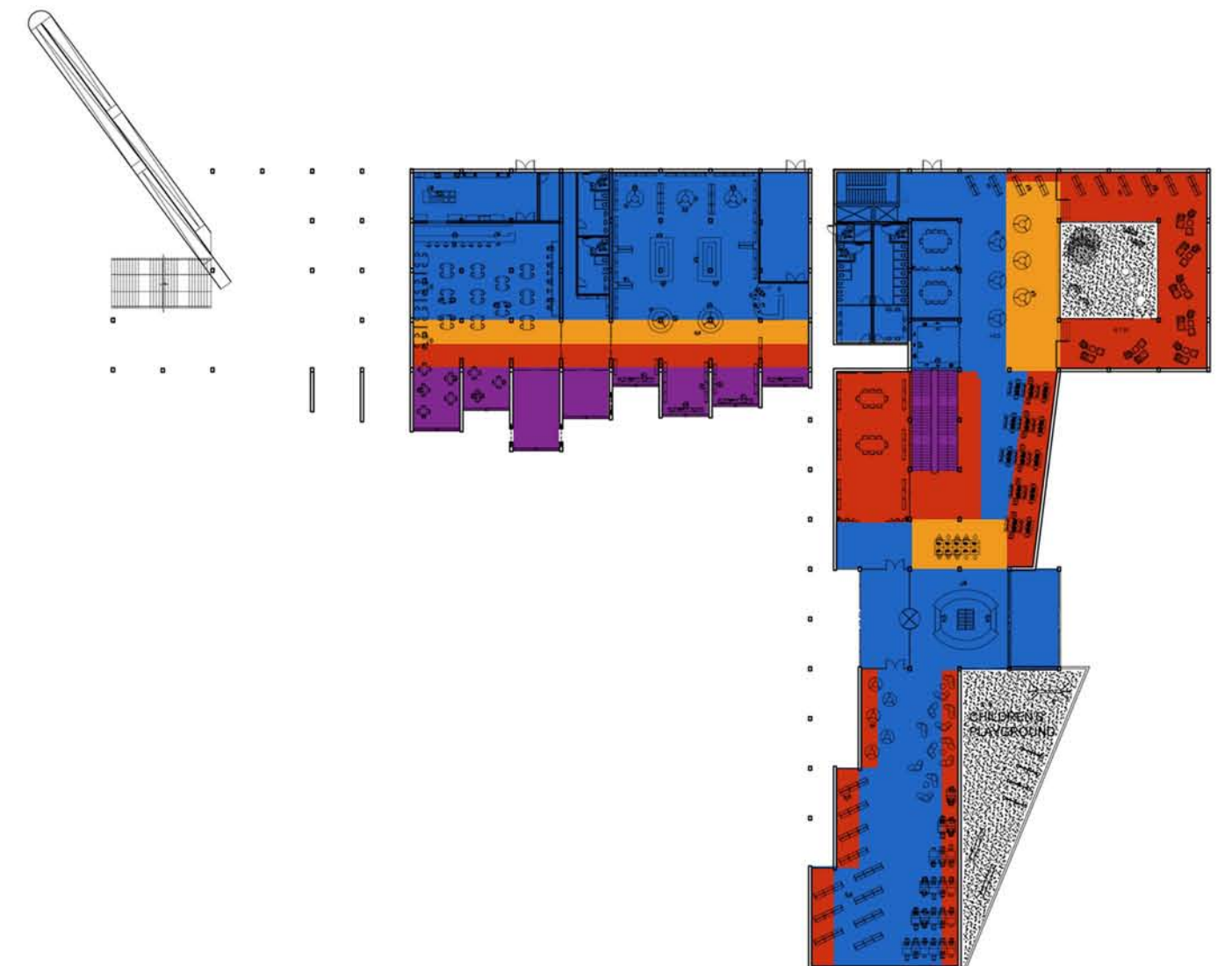
**2** FIRST FLOOR PLAN NTS  
LIGHTING REQUIREMENTS



**4** FIRST FLOOR PLAN NTS  
ACHIEVED NATURAL LIGHTING



**1** GROUND FLOOR PLAN NTS  
LIGHTING REQUIREMENTS



**3** GROUND FLOOR PLAN NTS  
ACHIEVED NATURAL LIGHTING



**READING / STUDY AREA**  
 T60 = 1 sec  
 35 - 45dB

**OFFICE / MEETING ROOMS**  
 T = 1.5 sec  
 50 - 60 dB

**COMMON AREAS**  
 T60 = 1 sec  
 50 dB

**SOLID ENVELOPE**

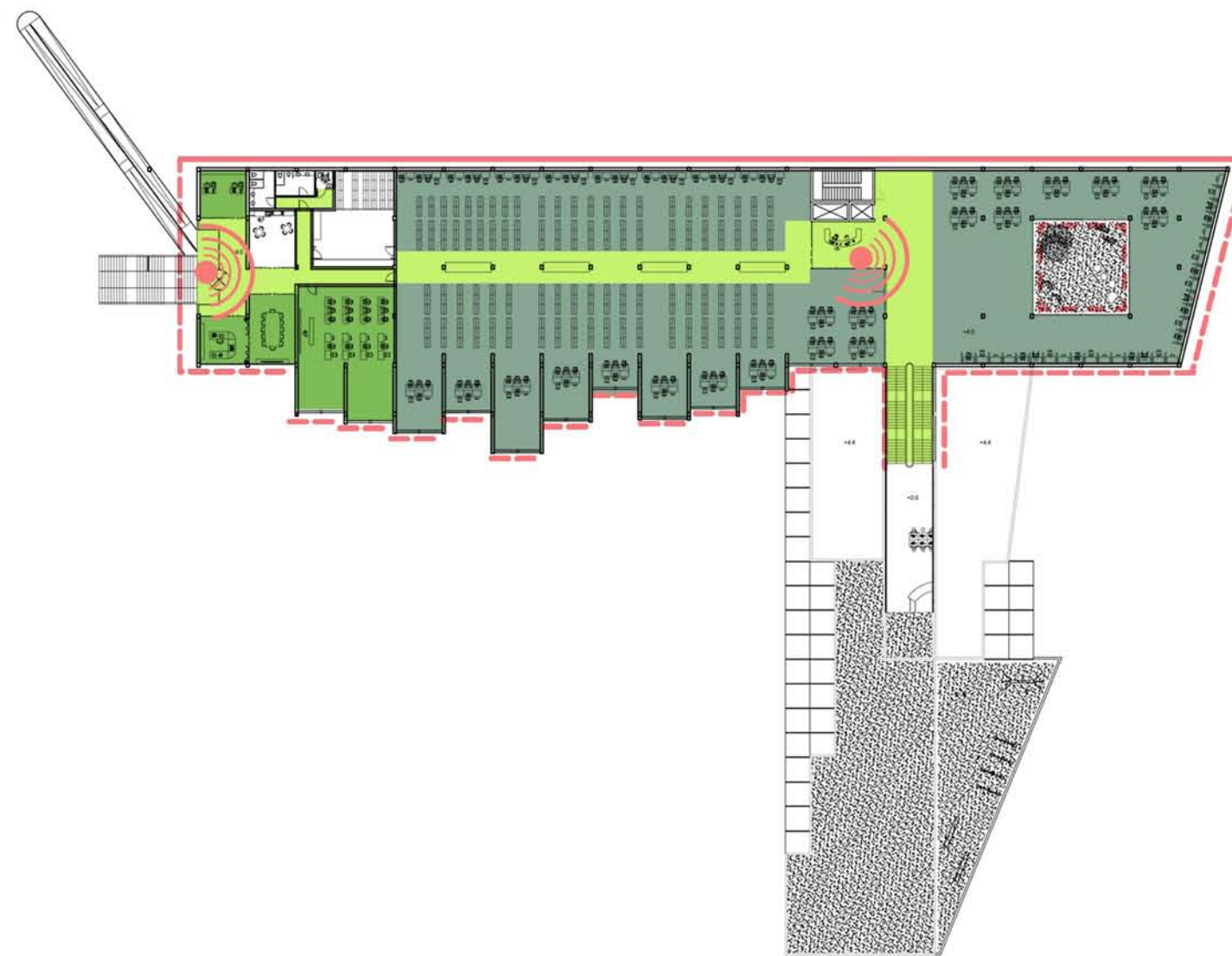
**GLAZED ENVELOPE**

POSSIBLE SOUND SOURCES

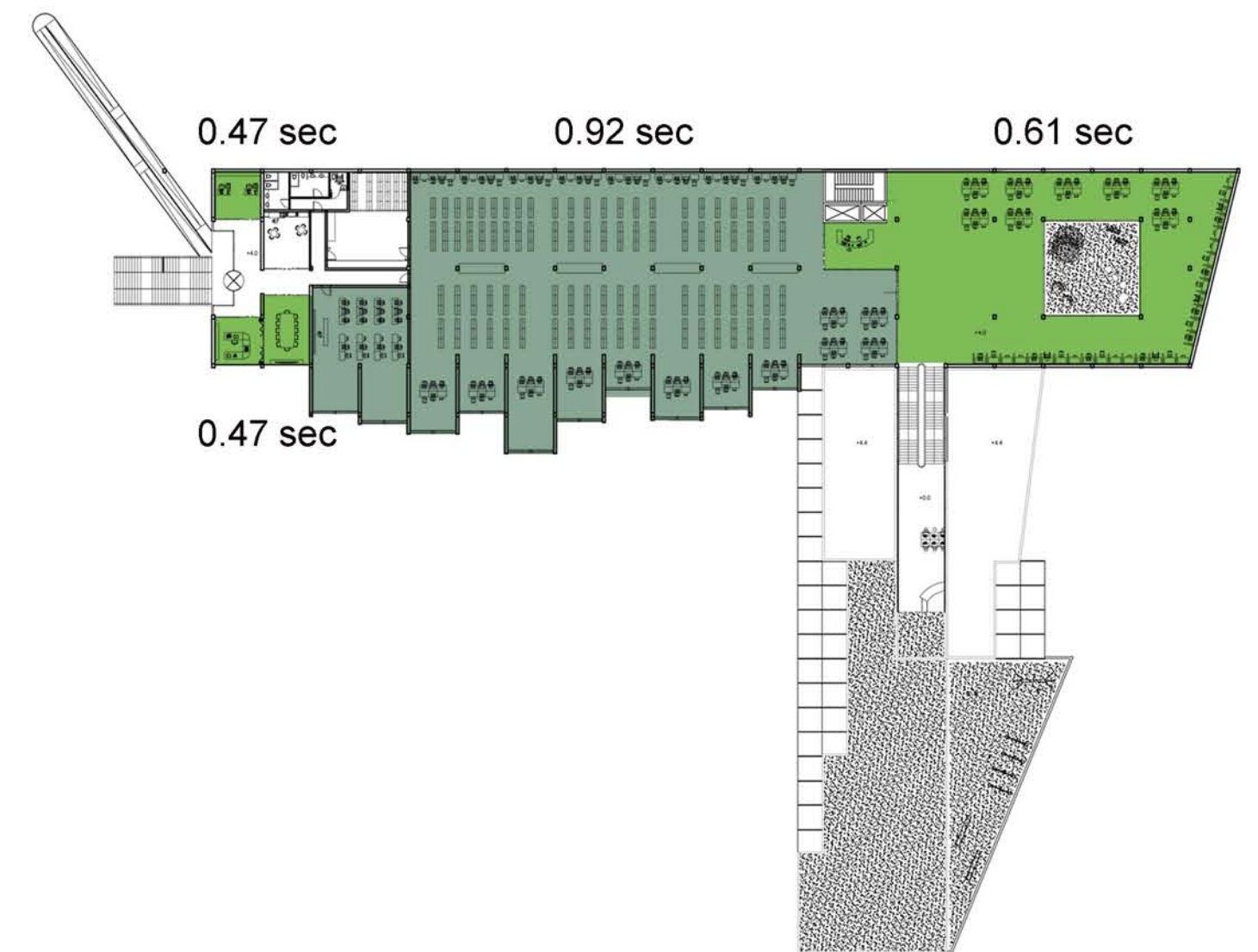
N.B  
 For the envelope the:  
 attenuation solid 45dB  
 glazed 50dB

0.7 < T > 1 sec

0.4 < T > 0.7 sec



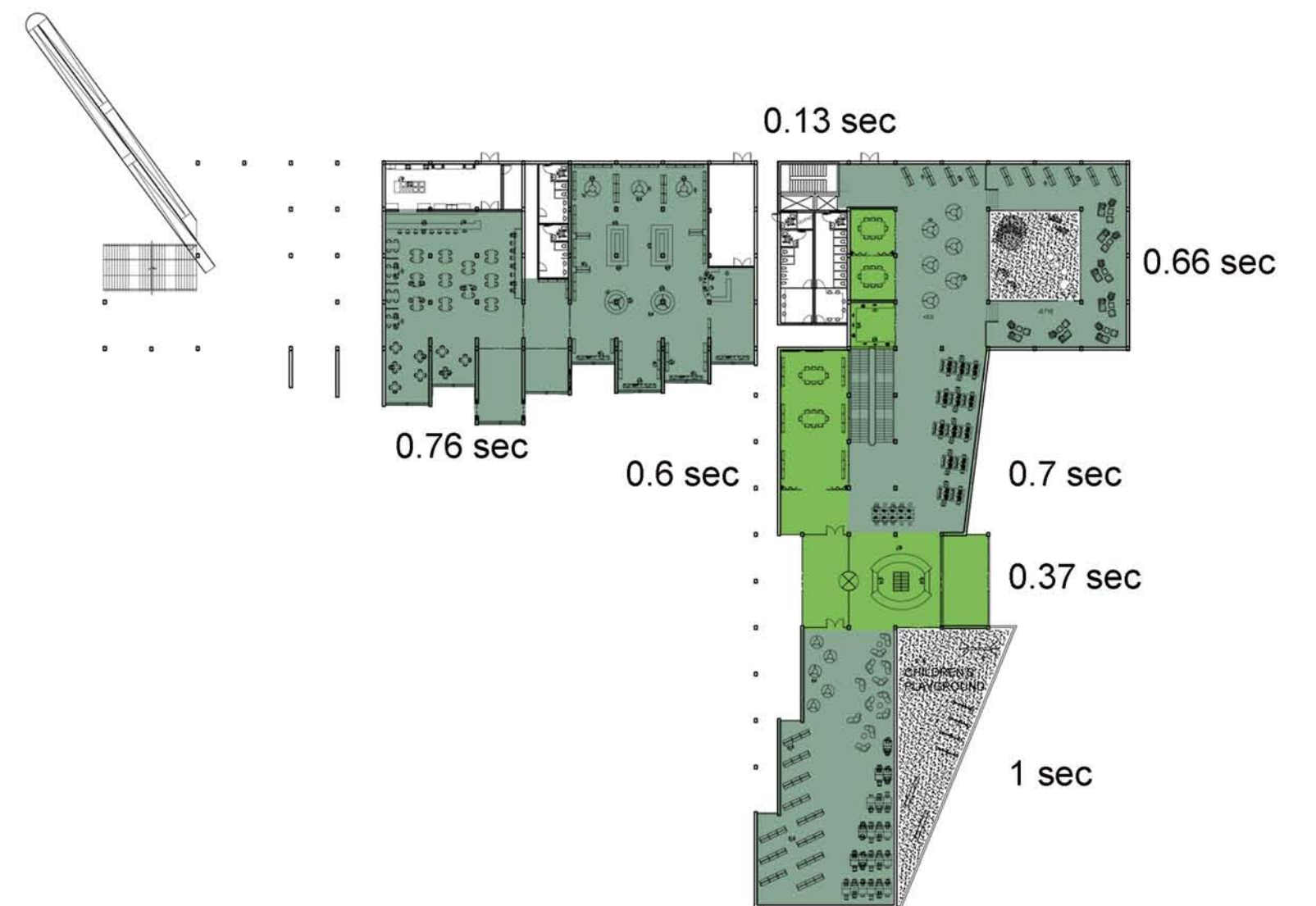
**2** FIRST FLOOR PLAN NTS  
 SOUND REQUIREMENTS PLAN



**4** FIRST FLOOR PLAN NTS  
 ACHIEVED SOUND LEVELS PLAN



**1** GROUND FLOOR PLAN NTS  
 SOUND REQUIREMENTS PLAN



**3** GROUND FLOOR PLAN NTS  
 ACHIEVED SOUND LEVELS PLAN



**CAFE / GATHERING/ EXHIBITION**

- T summer : 21°C
- T winter : 20°C
- Humidity: 50 +- 5% RH
- Infiltration : 0.5 ac/hour
- Ventilation
  - fresh air : 8 l/s/person
  - air change: 1 ac/ hour

**STUDY / READING AREA**

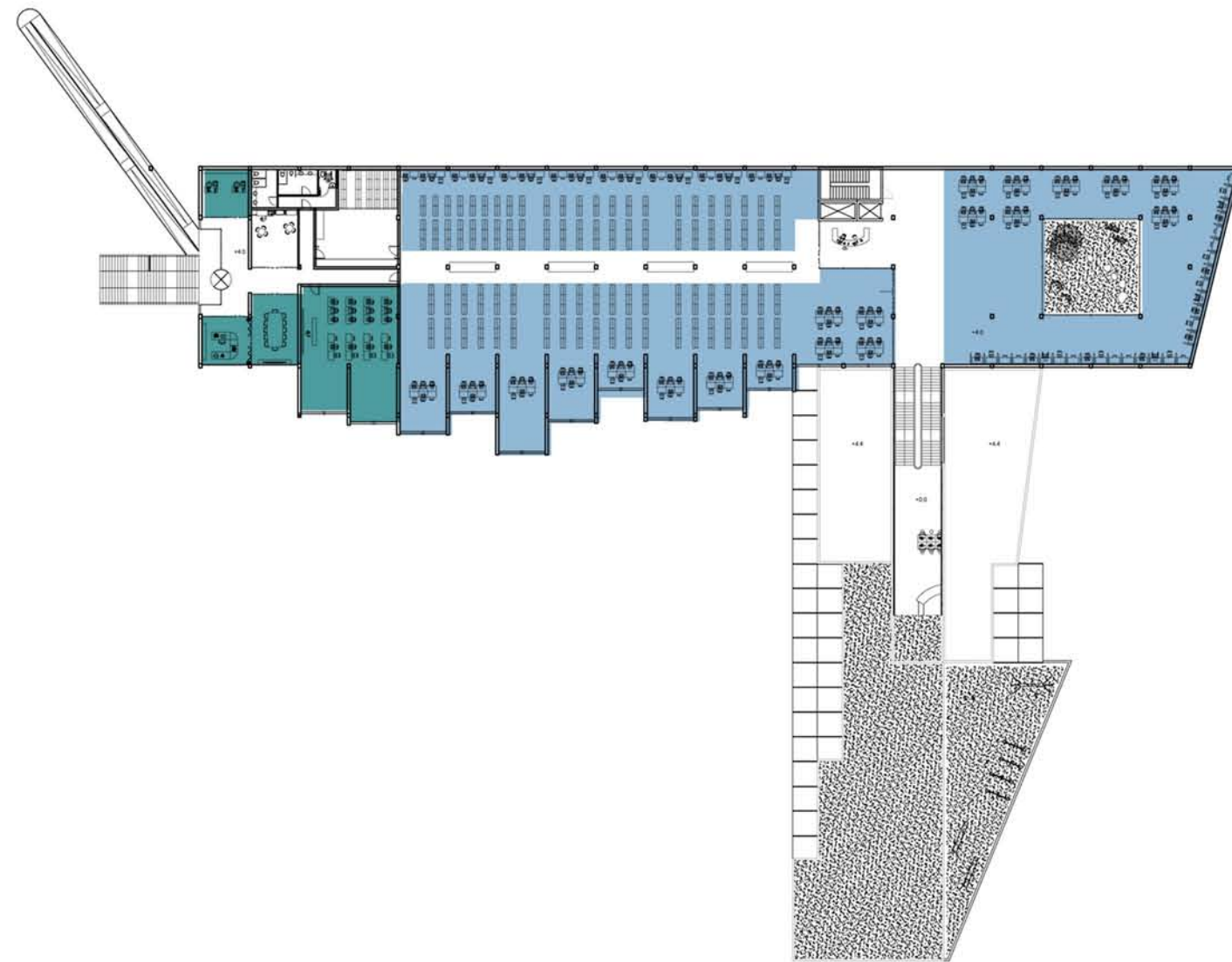
- T summer : 26°C
- T winter : 20°C
- Humidity: 50 +- 5% RH
- Infiltration : 0.5 ac/hour
- Ventilation
  - fresh air : 8 l/s/person
  - air change: 4-6 ac/ hour

**OFFICE / MEETING AREA**

- T summer : 24°C
- T winter : 22°C
- Humidity: 35 +- 40% RH
- Infiltration : 0.4 ac/hour
- Ventilation
  - fresh air : 8-12 l/s/person
  - air change: 4-6 ac/ hour

**COMPUTER AREA**

- T summer : 21°C
- T winter : 20°C
- Humidity: 50 +- 5% RH
- Infiltration : 1 ac/hour
- Ventilation
  - fresh air : 8 l/s/person
  - air change: 6-10 ac/ hour



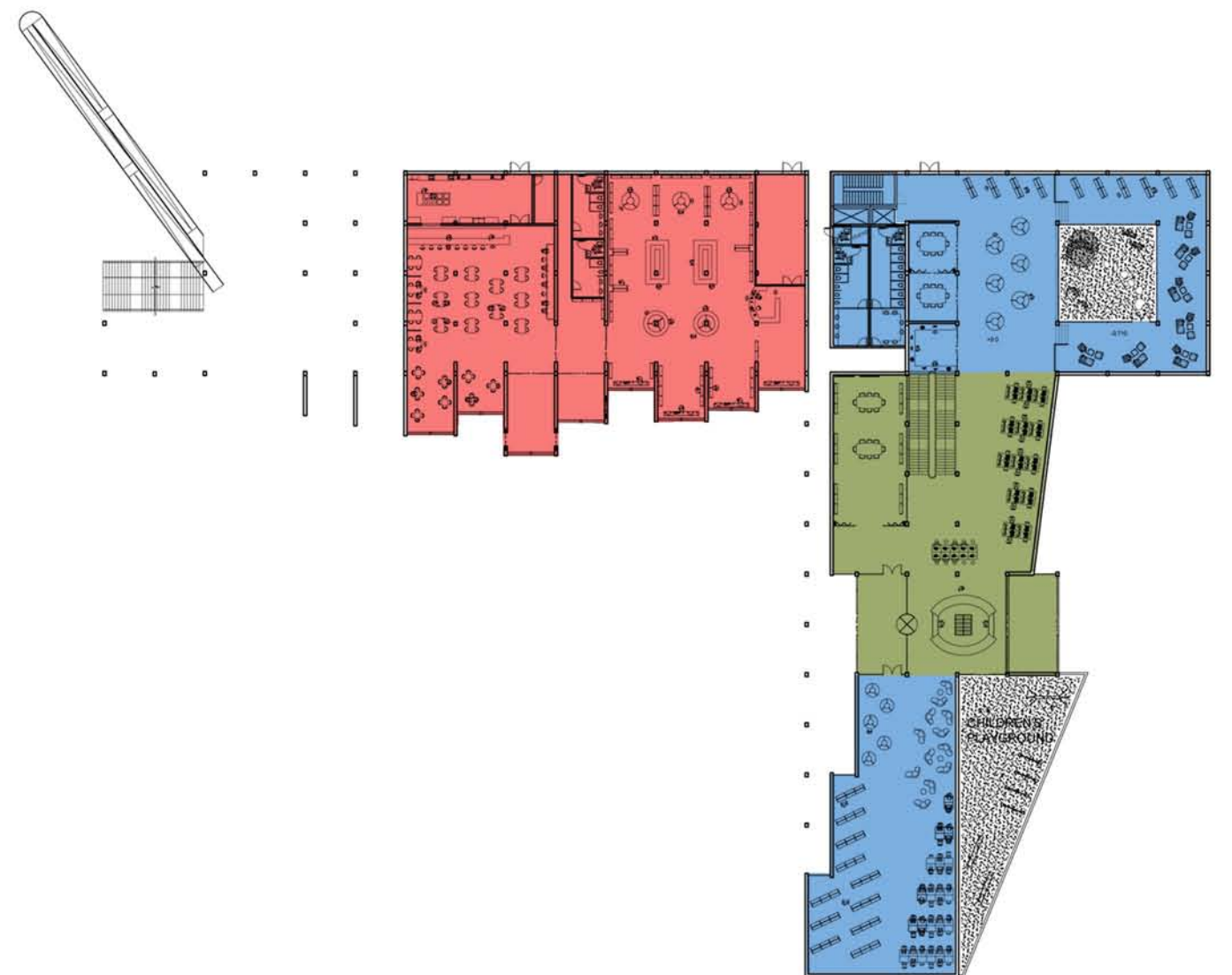
**2** FIRST FLOOR PLAN AIR REQUIREMENTS NTS



**4** FIRST FLOOR PLAN VENTILATION PROPOSAL PLAN NTS

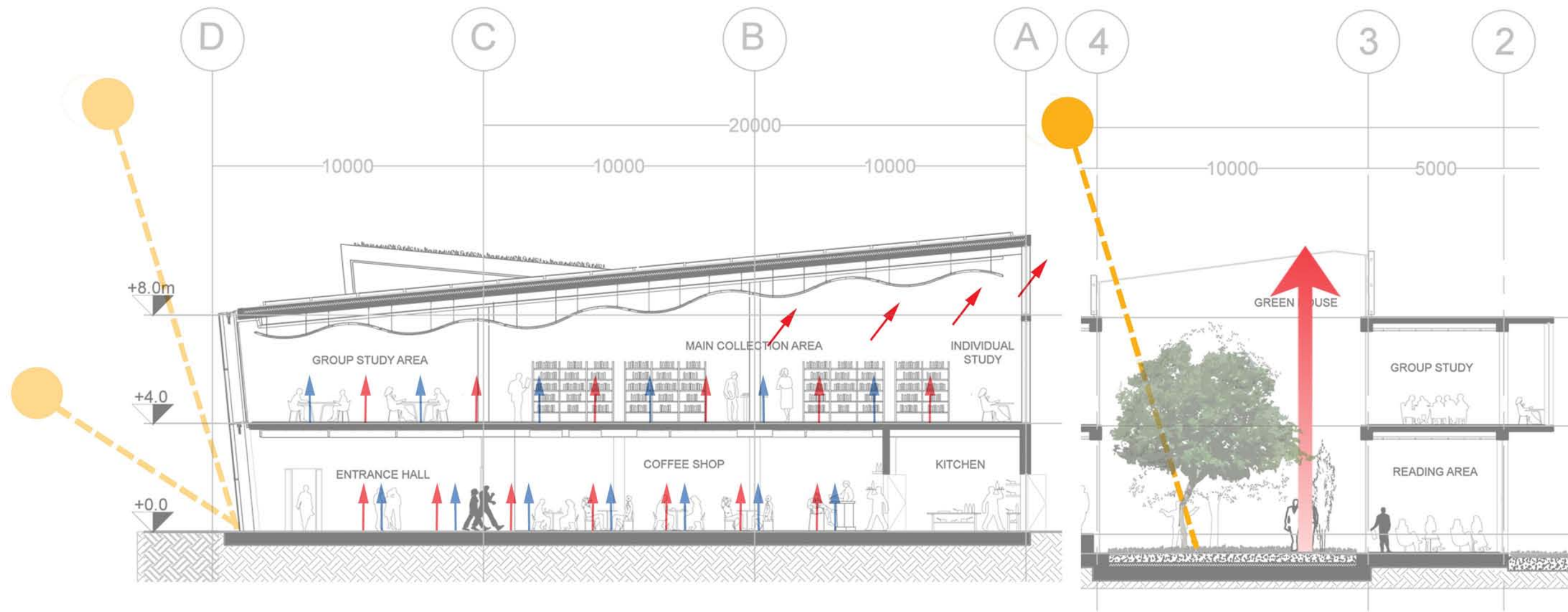


**1** GROUND FLOOR PLAN AIR REQUIREMENTS NTS



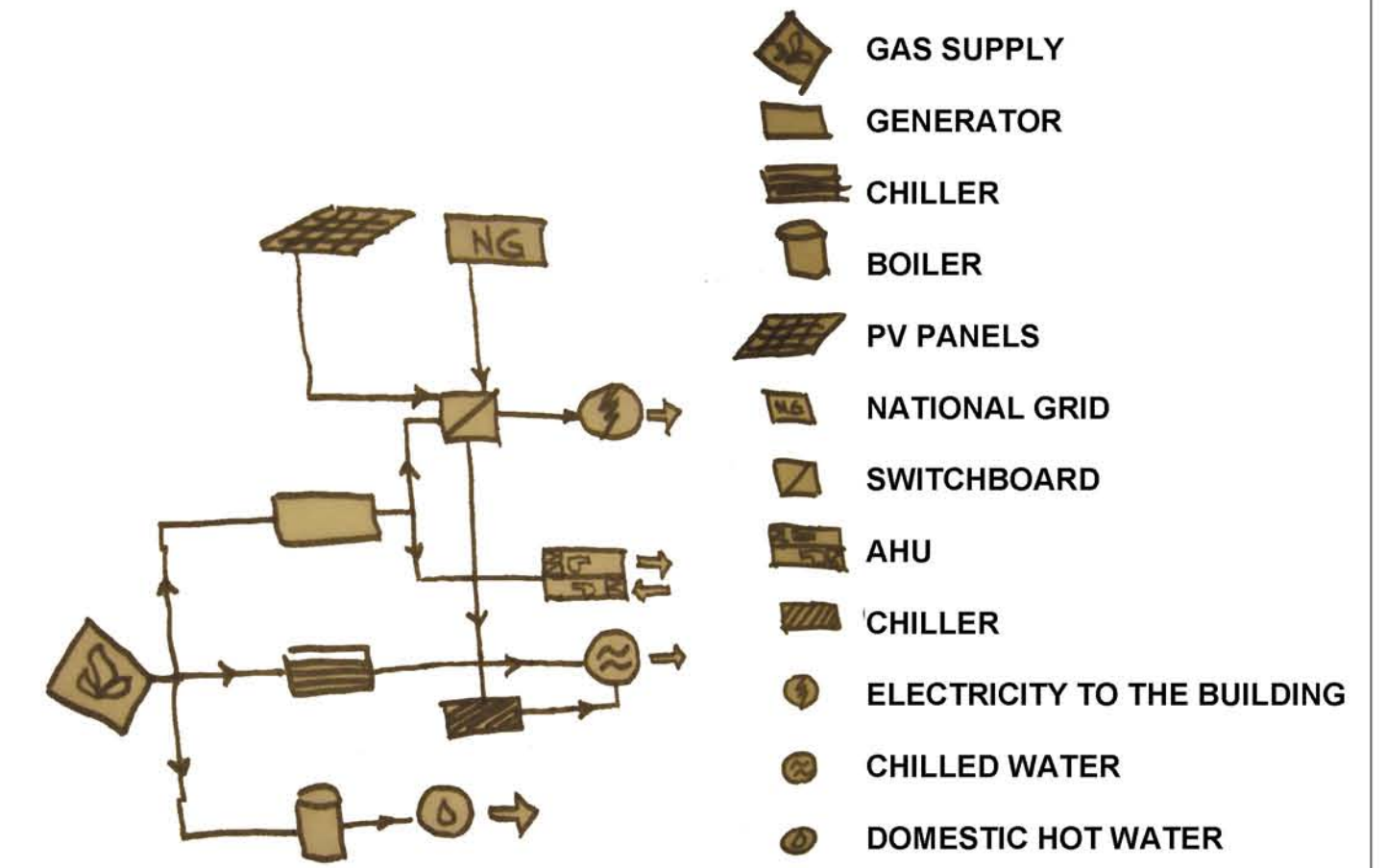
**3** GROUND FLOOR PLAN VENTILATION PROPOSAL PLAN NTS





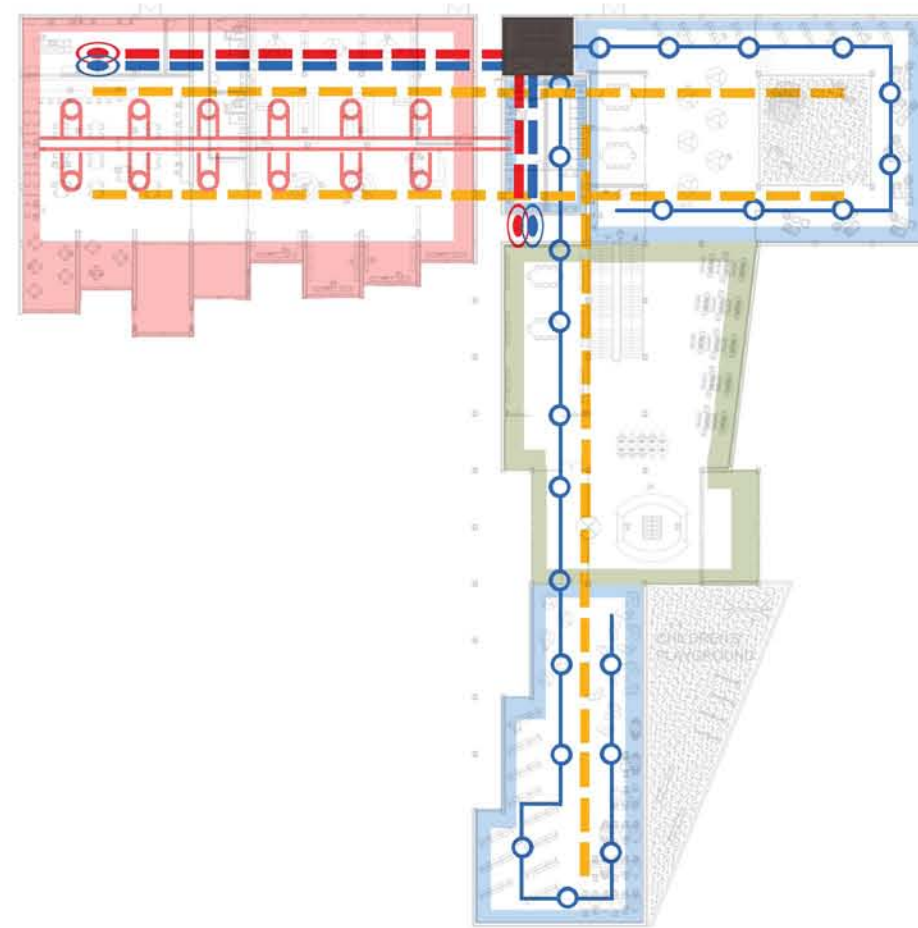
3 **TERMAL DECK SLAB** NTS  
LIBRARY / CAFE / GIFT SHOP

4 **GLASS HOUSE** NTS  
LIBRARY

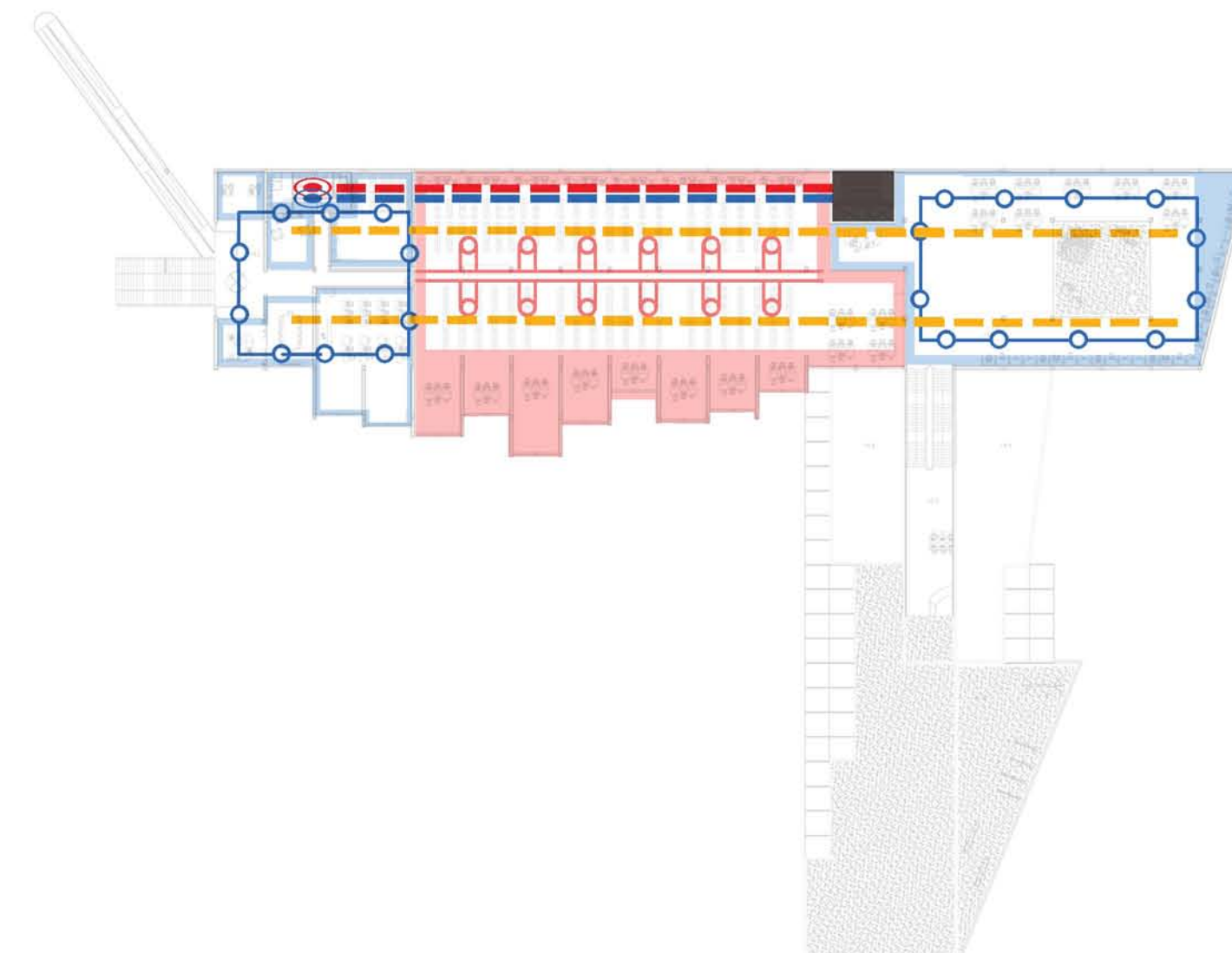


5 **SERVICES LAYOUT** NTS  
LIBRARY / CAFE / GIFT SHOP

- MECHANICAL VENTILATION**
- MAIN DUCT 10 l/s/p
- CONNECTION TO FLOOR
- MIXED MODE**
- LOW ENERGY FAN COILS
- CROSS VENTILATION VIA WINDOWS
- NATURAL VENTILATION**
- CROSS VENTILATION VIA WINDOWS
- WATER SUPPLY**
- COLD WATER PIPE FOR 3m/s FLOW
- HOT WATER PIPE FOR 3m/s FLOW
- ELECTRICAL LIGHT**
- MAIN SUPPLY CABLES

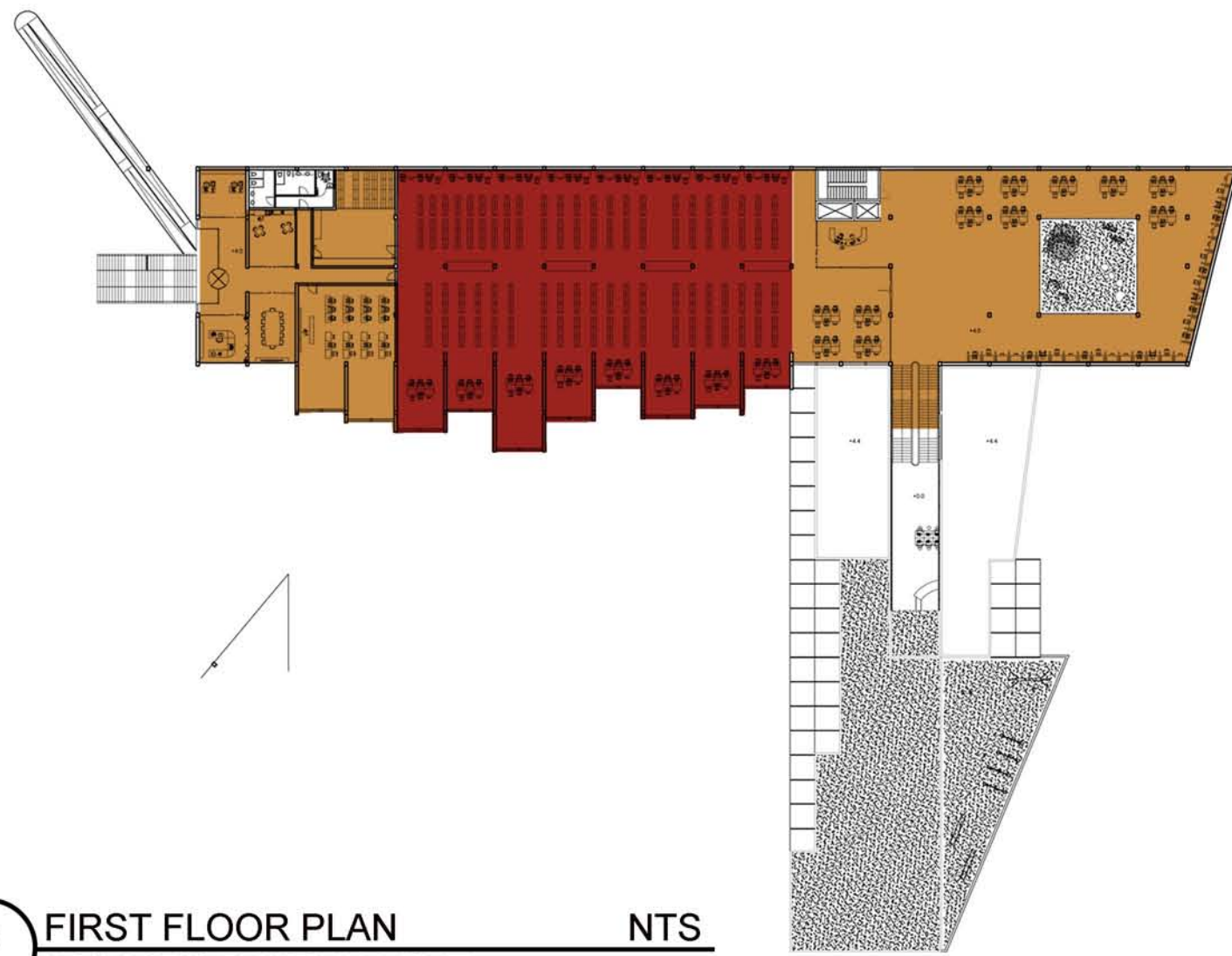


1 **GROUND FLOOR PLAN** NTS  
SERVICES LAYOUT

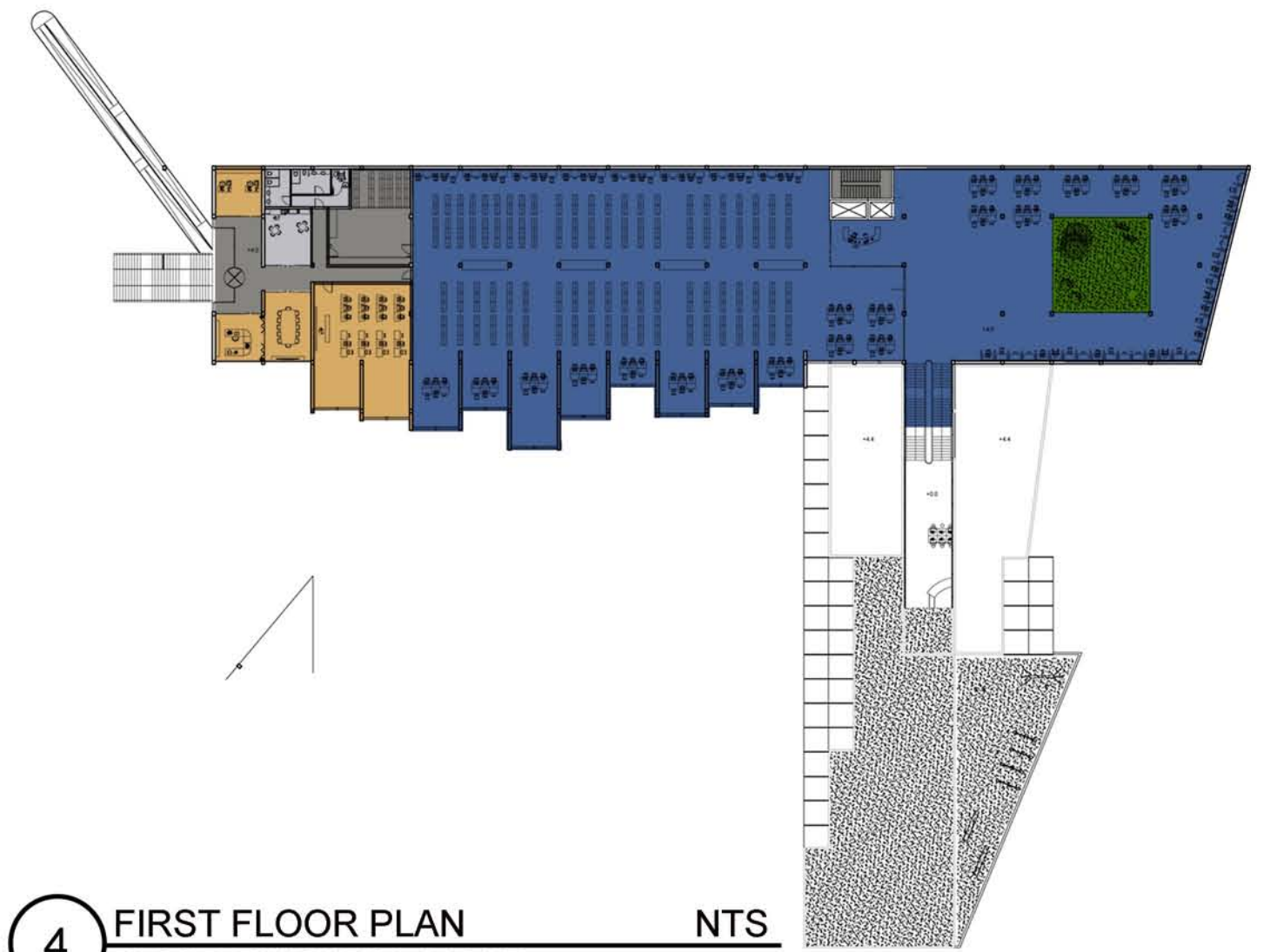


2 **FIRST FLOOR PLAN** NTS  
SERVICES LAYOUT

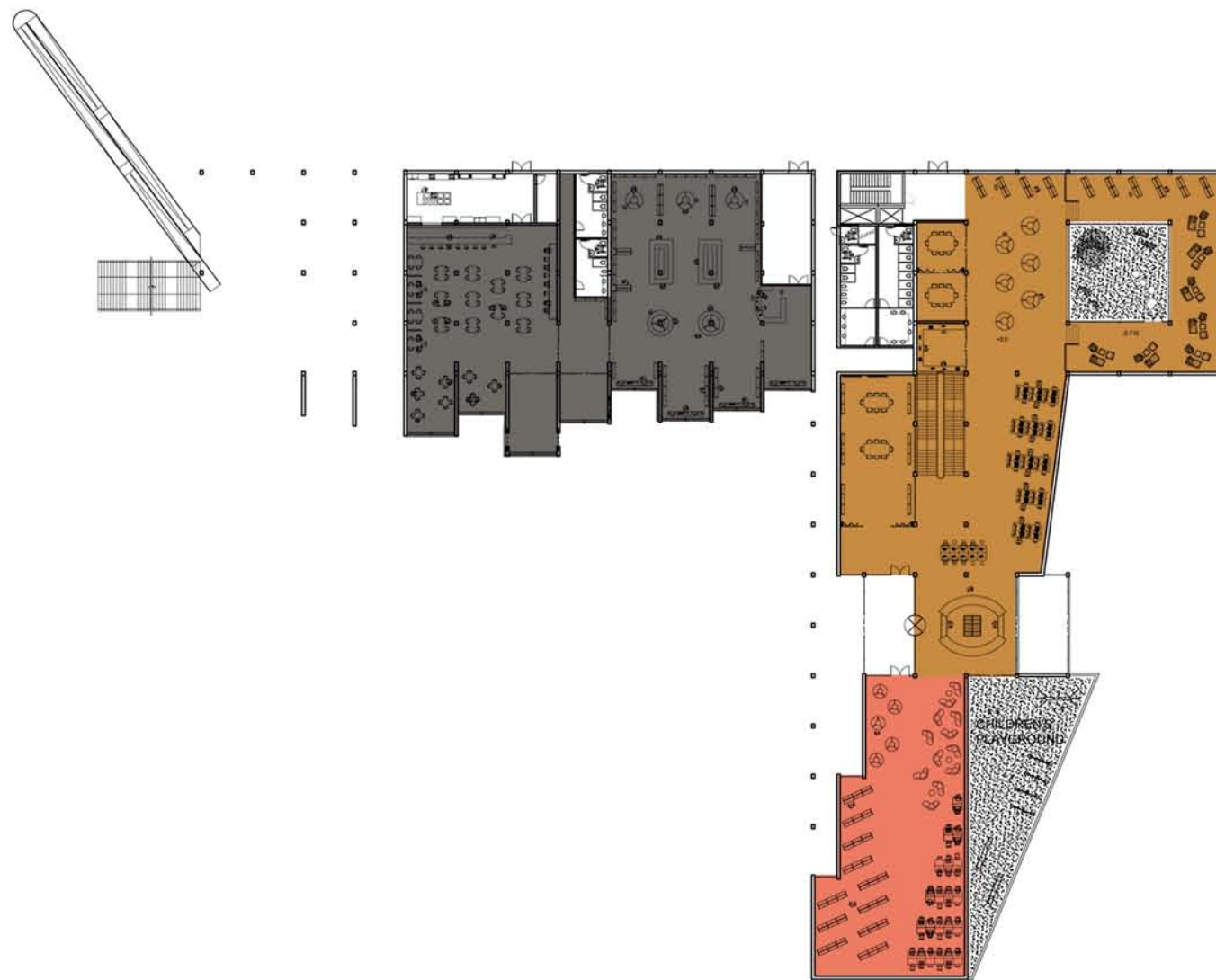




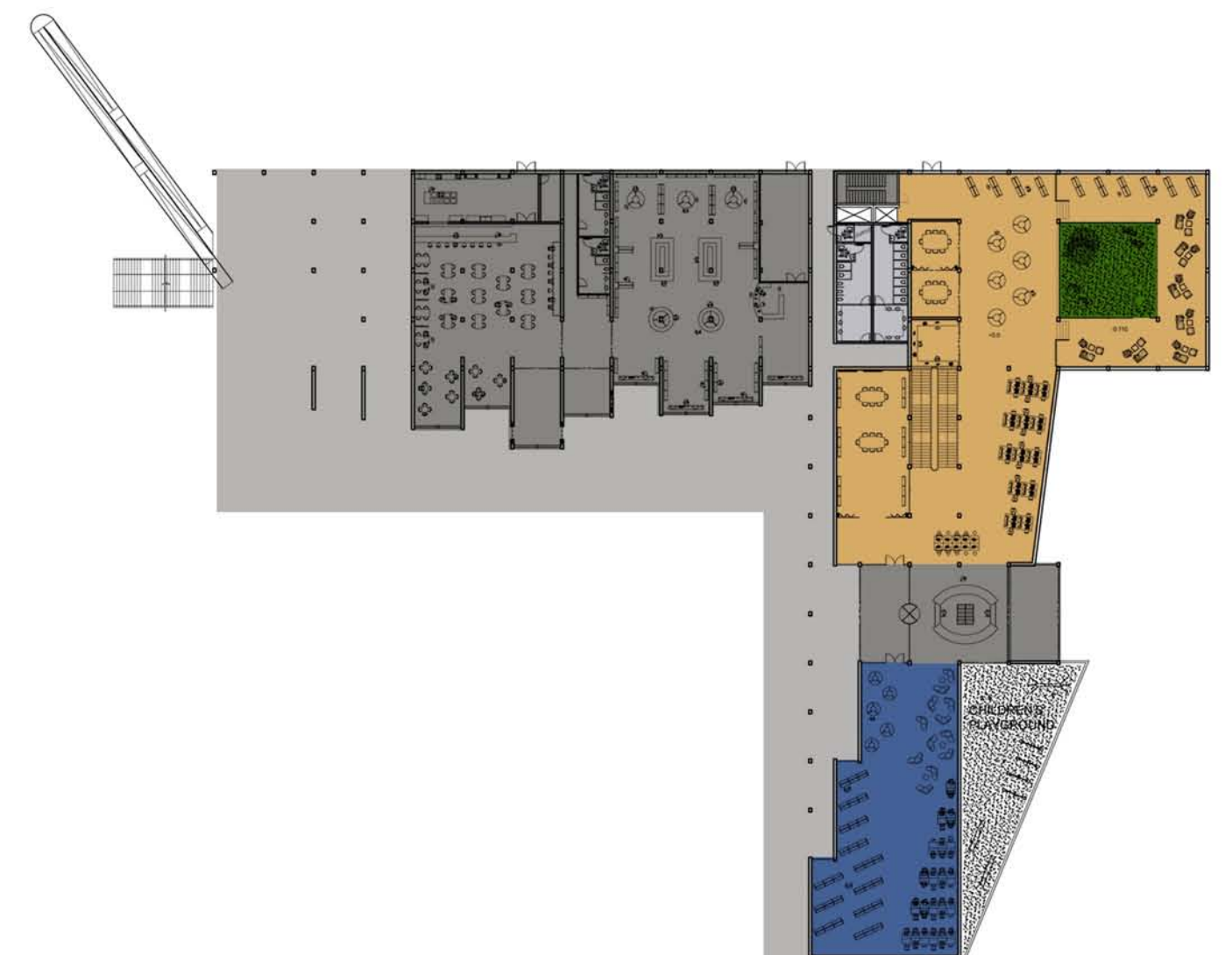
2 FIRST FLOOR PLAN  
ACOUSTIC PANEL LAYOUT NTS



4 FIRST FLOOR PLAN  
FLOOR FINISHES LAYOUT NTS



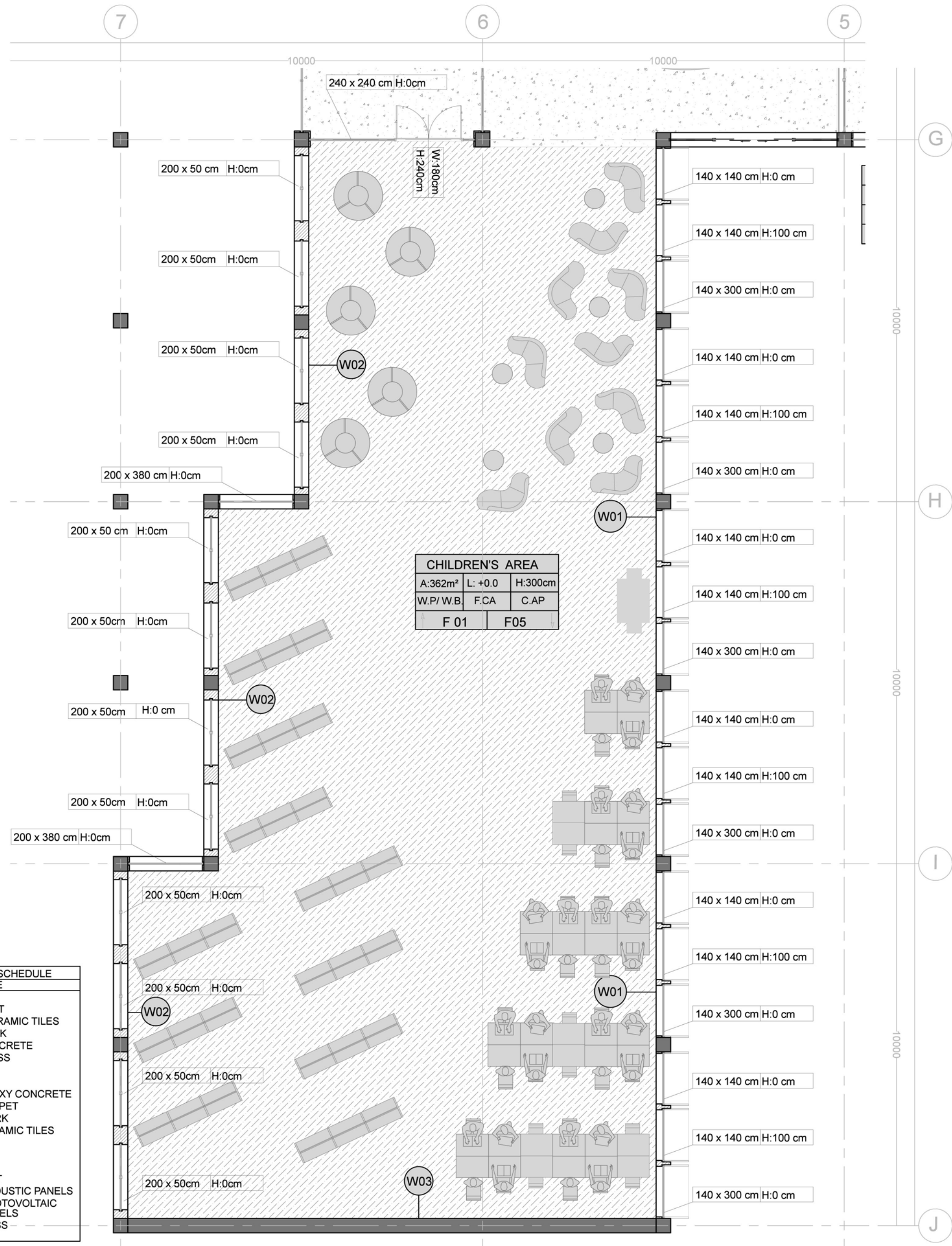
1 GROUND FLOOR PLAN  
ACOUSTIC PANEL LAYOUT NTS



3 GROUND FLOOR PLAN  
FLOOR FINISHES LAYOUT NTS



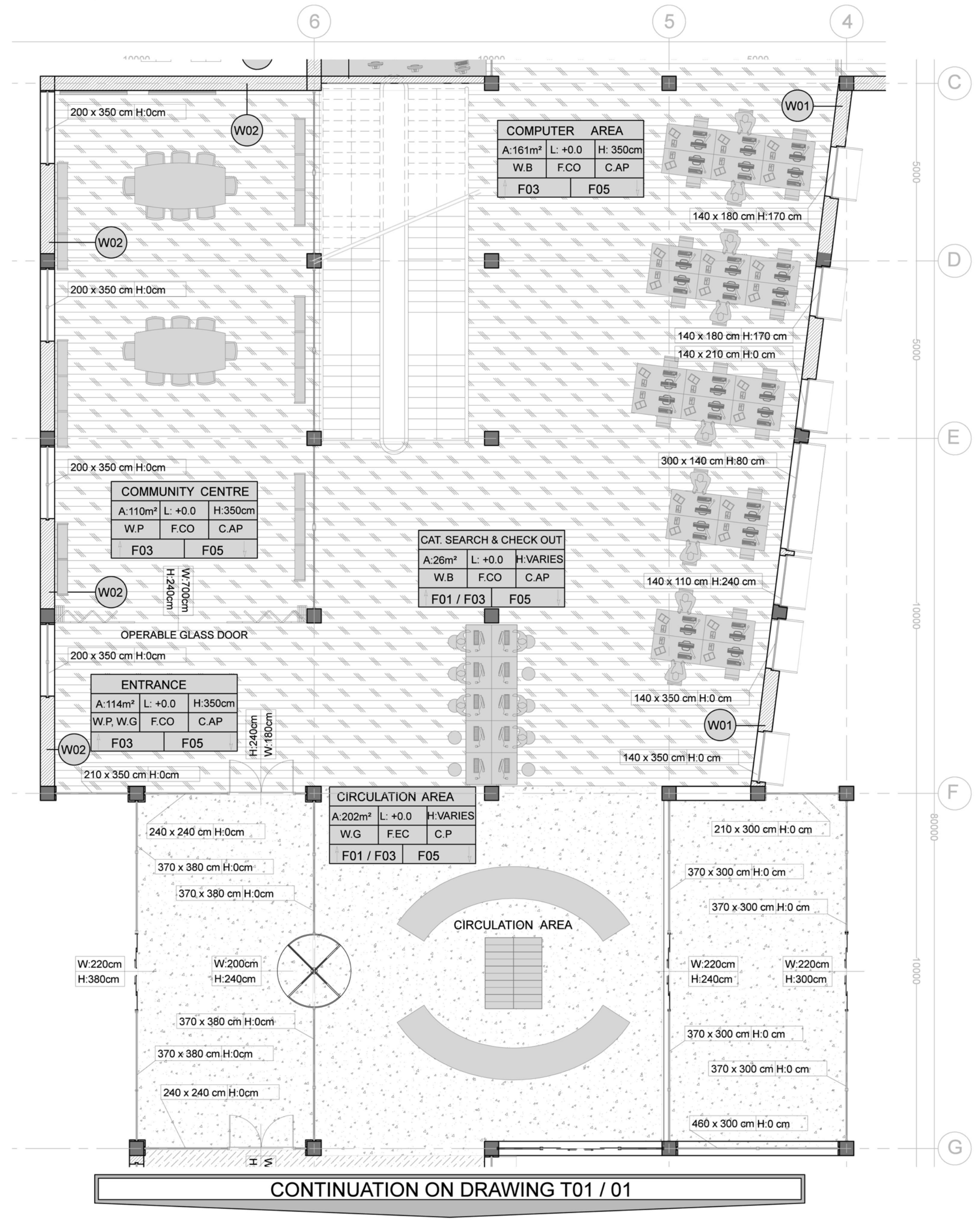
CONTINUATION ON DRAWING T01 / 02



FINISHES SCHEDULE	
No.	TYPE
<b>WALLS</b>	
W.P.	PAINT
W.CT.	CERAMIC TILES
W.B.	BRICK
W.C.	CONCRETE
W.G.	GLASS
<b>FLOOR</b>	
F.EC.	EPOXY CONCRETE
F.CA.	CARPET
F.CO.	CORK
F.CT.	CERAMIC TILES
F.S.	SOIL
<b>CEILING</b>	
C.P.	PAINT
C.AP.	ACOUSTIC PANELS
C.PP.	PHOTOVOLTAIC PANELS
C.G.	GLASS

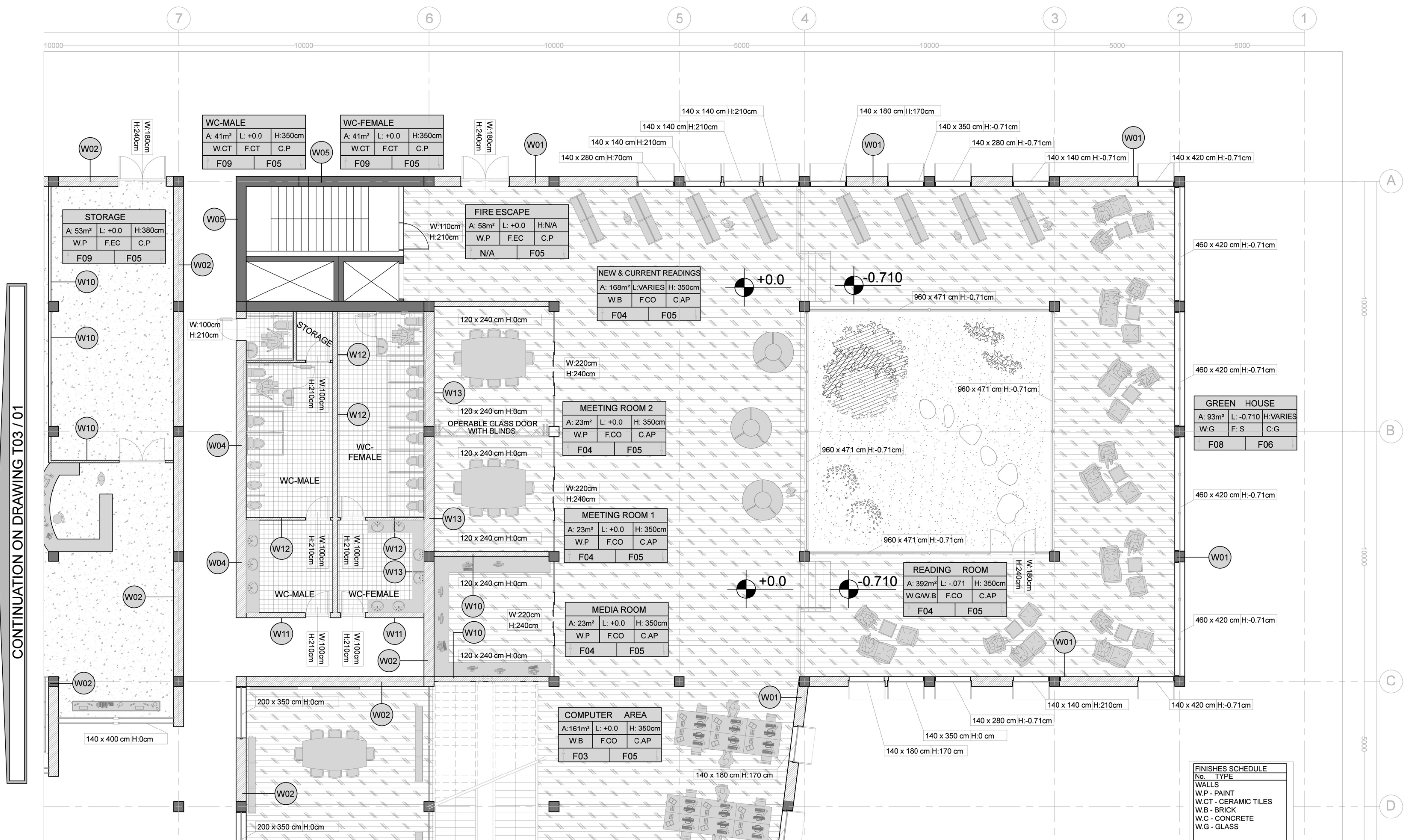
**1** CHILDREN'S AREA  
GROUND FLOOR PLAN  
SCALE 1:100

CONTINUATION ON DRAWING T02 / 01



**2** ENTRANCE / CIRCULATION AREA / CAT. & SELF CHECK OUT  
COMMUNITY CENTER / COMPUTER AREA  
GROUND FLOOR PLAN  
SCALE 1:100



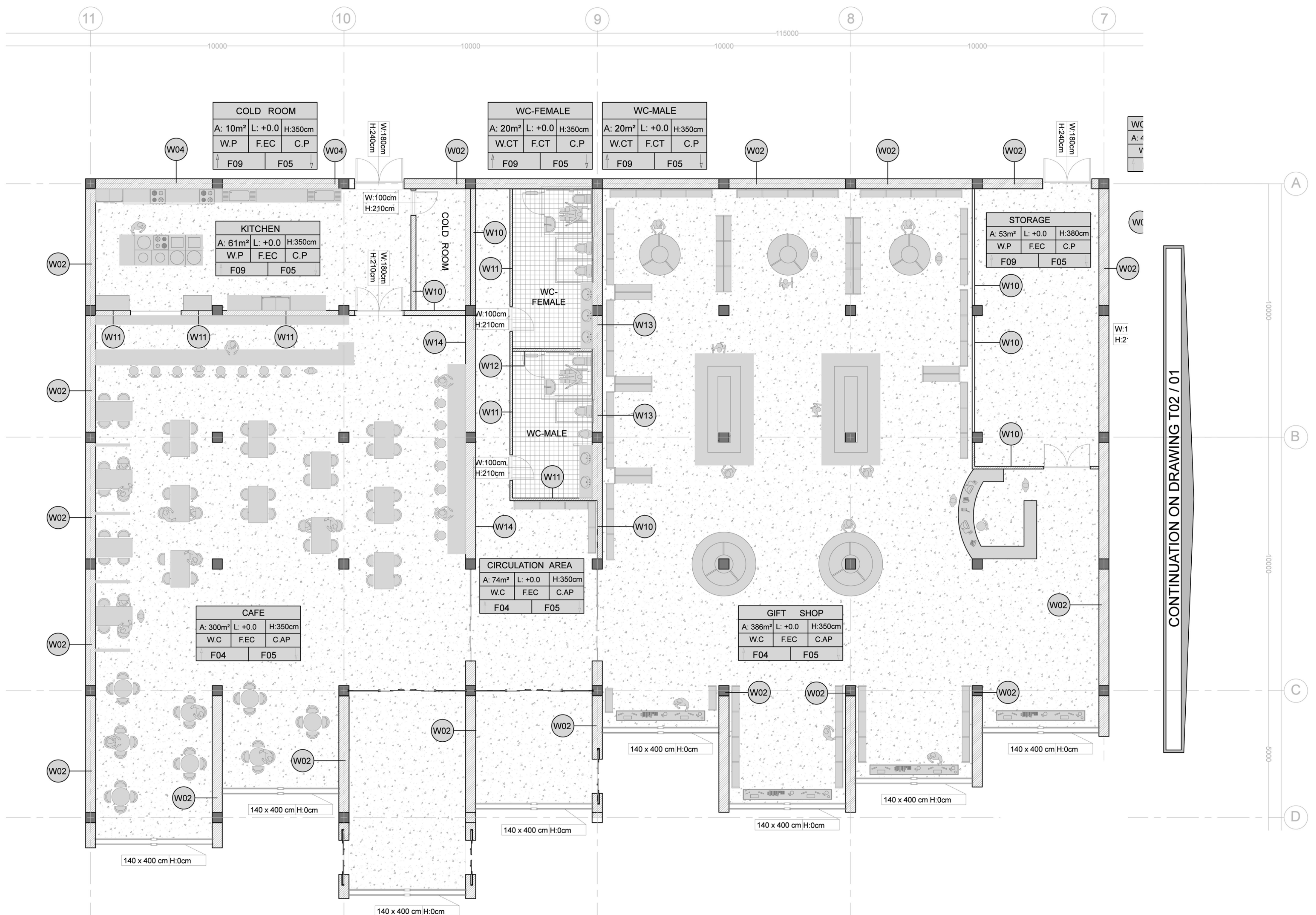


CONTINUATION ON DRAWING T03 / 01

CONTINUATION ON DRAWING T01 / 02

**1** MEDIA ROOM/ MEETING ROOM 1 & 2 / NEWS & CURRENT READINGS  
READING ROOM / GREEN HOUSE/ TOILETS / FIRE ESCAPE  
GROUND FLOOR PLAN SCALE 1:100

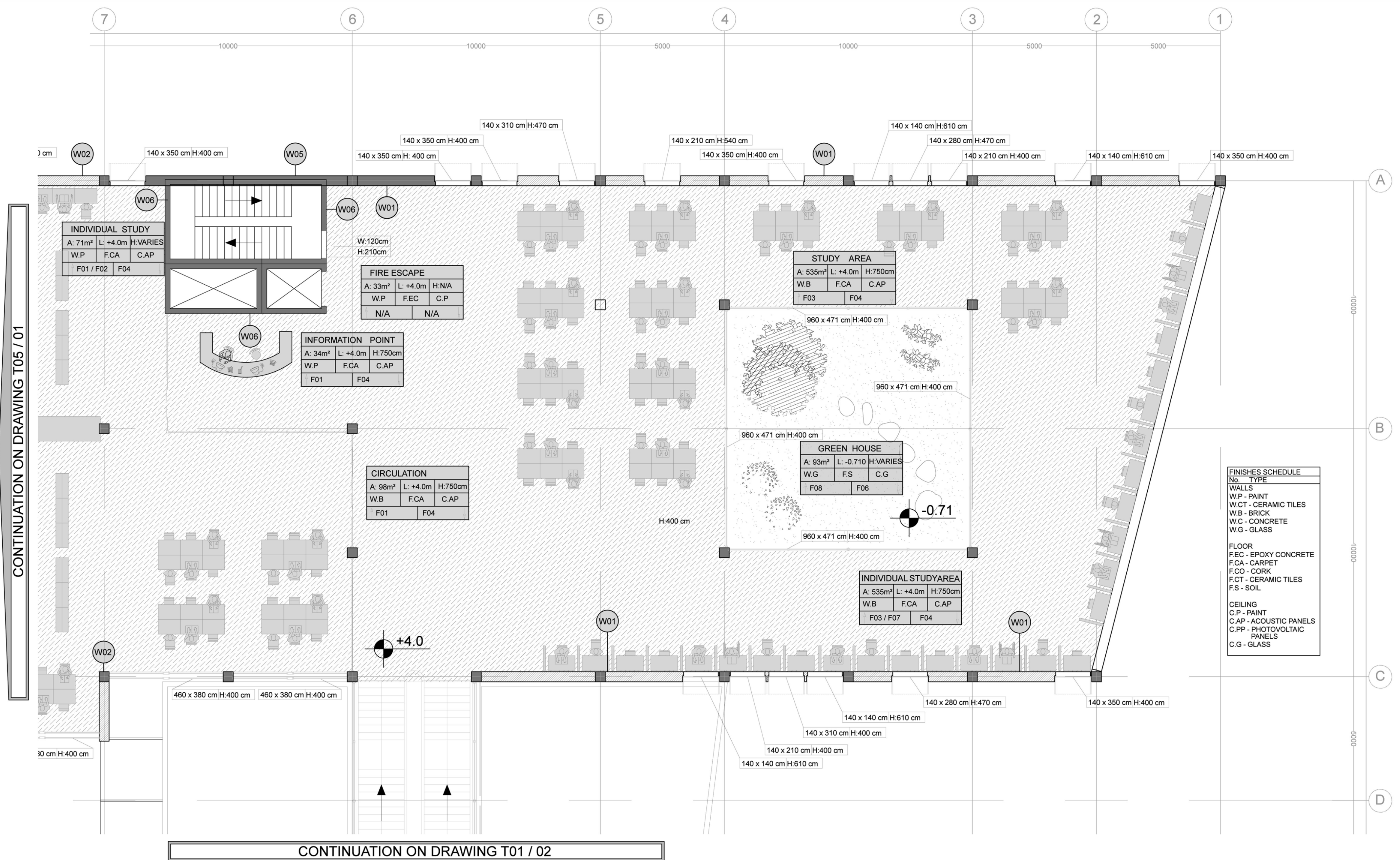




FINISHES SCHEDULE	
No.	TYPE
<b>WALLS</b>	
W.P.	PAINT
W.CT.	CERAMIC TILES
W.B.	BRICK
W.C.	CONCRETE
W.G.	GLASS
<b>FLOOR</b>	
FEC.	EPOXY CONCRETE
FCA.	CARPET
FCO.	CORK
FCT.	CERAMIC TILES
F.S.	SOIL
<b>CEILING</b>	
C.P.	PAINT
C.AP.	ACOUSTIC PANELS
C.PP.	PHOTOVOLTAIC PANELS
C.G.	GLASS

**1** CAFE / KITCHEN / COLD ROOM / CIRCULATION AREA  
TOILETS / GIFT SHOP / STORAGE  
GROUND FLOOR PLAN  
SCALE 1:100





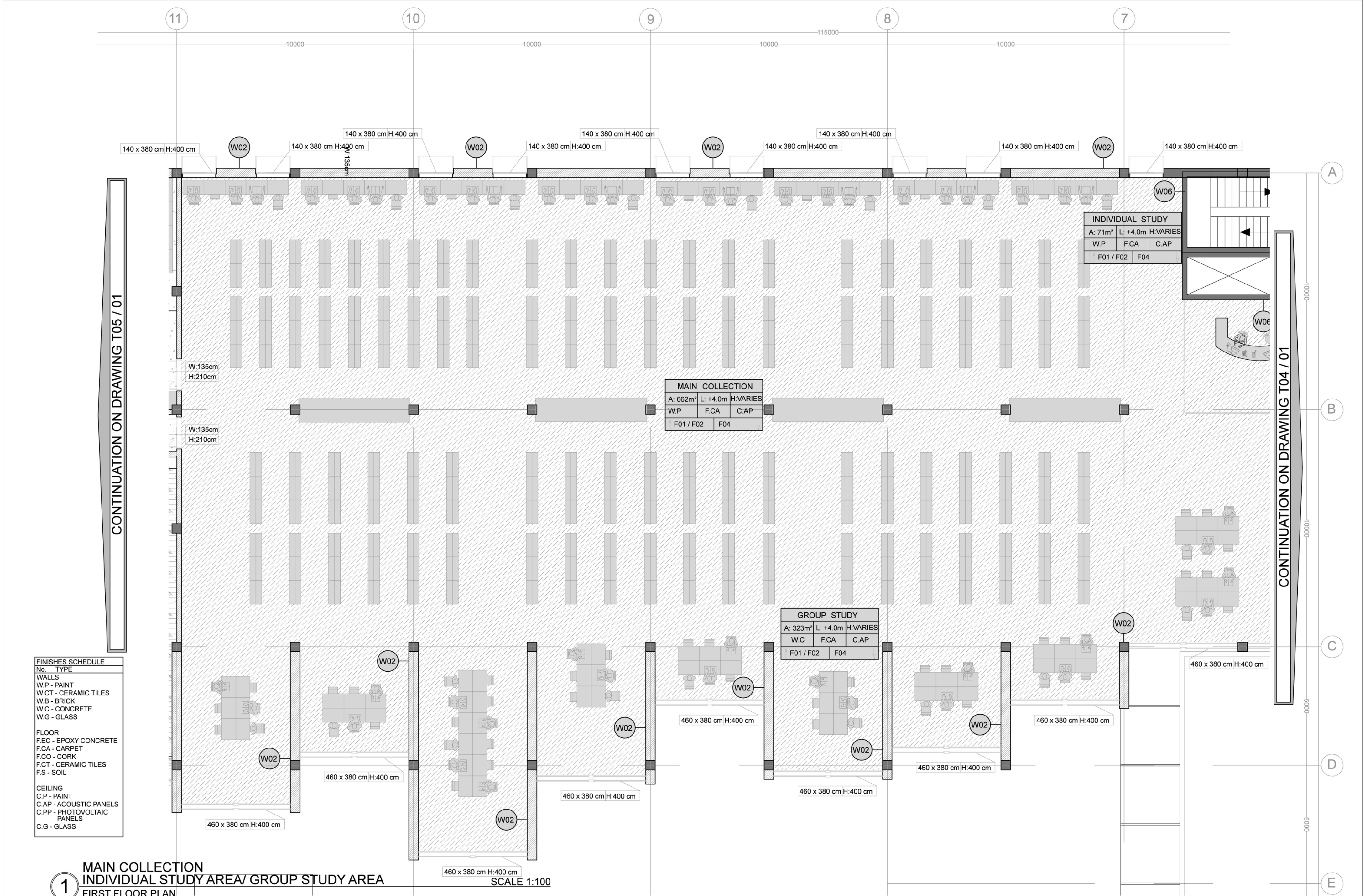
CONTINUATION ON DRAWING T05 / 01

CONTINUATION ON DRAWING T01 / 02

FINISHES SCHEDULE	
No.	TYPE
<b>WALLS</b>	
W.P	PAINT
W.C.T	CERAMIC TILES
W.B	BRICK
W.C	CONCRETE
W.G	GLASS
<b>FLOOR</b>	
F.E.C	EPOXY CONCRETE
F.C.A	CARPET
F.CO	CORK
F.C.T	CERAMIC TILES
F.S	SOIL
<b>CEILING</b>	
C.P	PAINT
C.A.P	ACOUSTIC PANELS
C.P.P	PHOTOVOLTAIC PANELS
C.G	GLASS

**1** CIRCULATION / INDIVIDUAL STUDY AREA / GROUP STUDY AREA  
 GREEN HOUSE / INFO POINT  
 FIRST FLOOR PLAN SCALE 1:100





**FINISHES SCHEDULE**

No.	TYPE
<b>WALLS</b>	
W.P	PAINT
W.CT	CERAMIC TILES
W.B	BRICK
W.C	CONCRETE
W.G	GLASS
<b>FLOOR</b>	
F.EC	EPOXY CONCRETE
F.CA	CARPET
F.CO	CORK
F.CT	CERAMIC TILES
F.S	SOIL
<b>CEILING</b>	
C.P	PAINT
C.AP	ACOUSTIC PANELS
C.PP	PHOTOVOLTAIC PANELS
C.G	GLASS

**MAIN COLLECTION**

A:	L:	H:
662m²	+4.0m	VARIABLES
W.P	F.CA	C.AP
F01 / F02	F04	

**GROUP STUDY**

A:	L:	H:
323m²	+4.0m	VARIABLES
W.C	F.CA	C.AP
F01 / F02	F04	

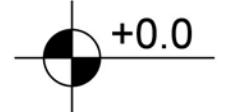
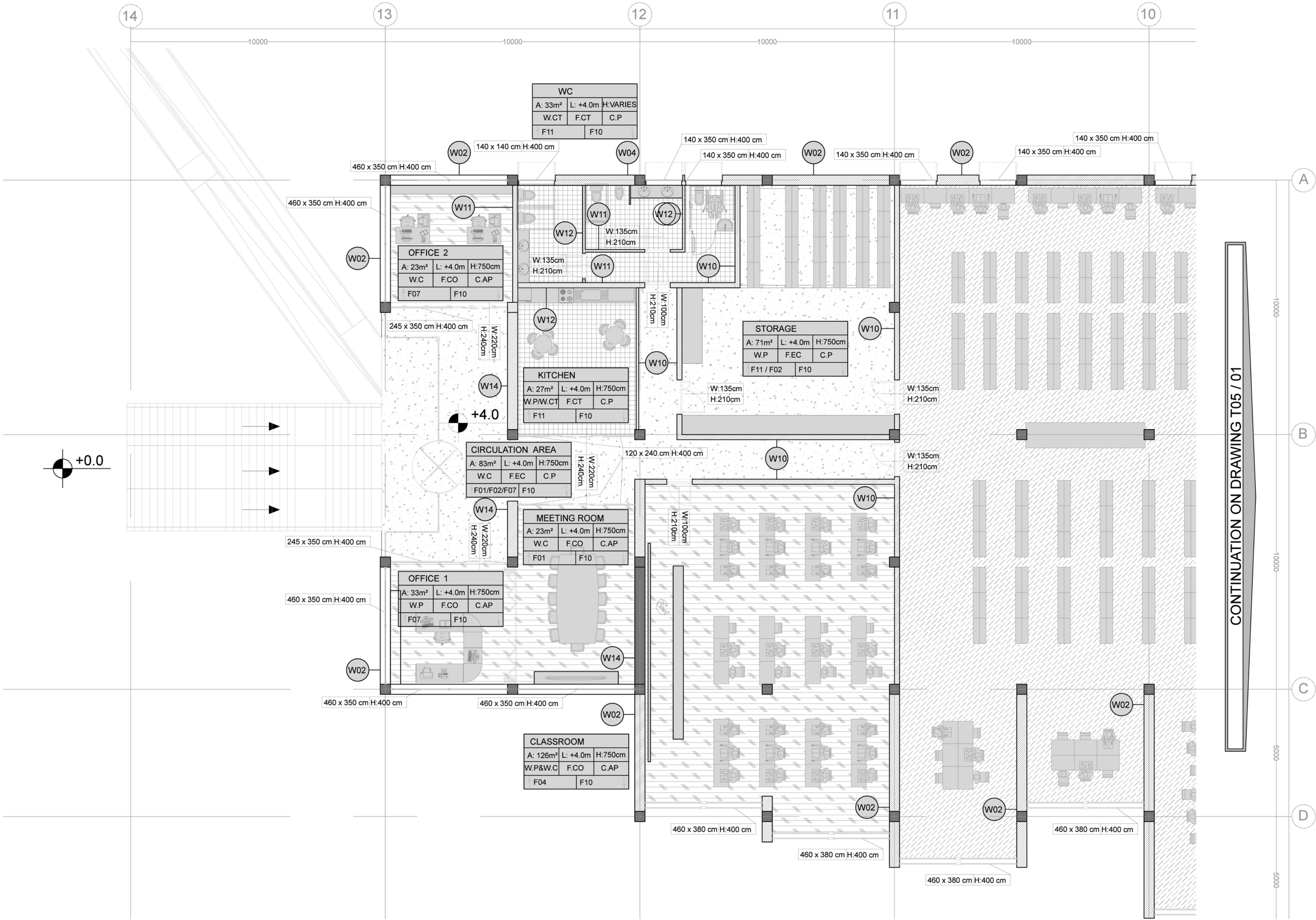
**INDIVIDUAL STUDY**

A:	L:	H:
71m²	+4.0m	VARIABLES
W.P	F.CA	C.AP
F01 / F02	F04	

**1** MAIN COLLECTION  
INDIVIDUAL STUDY AREA/ GROUP STUDY AREA  
FIRST FLOOR PLAN

SCALE 1:100



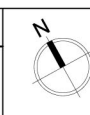
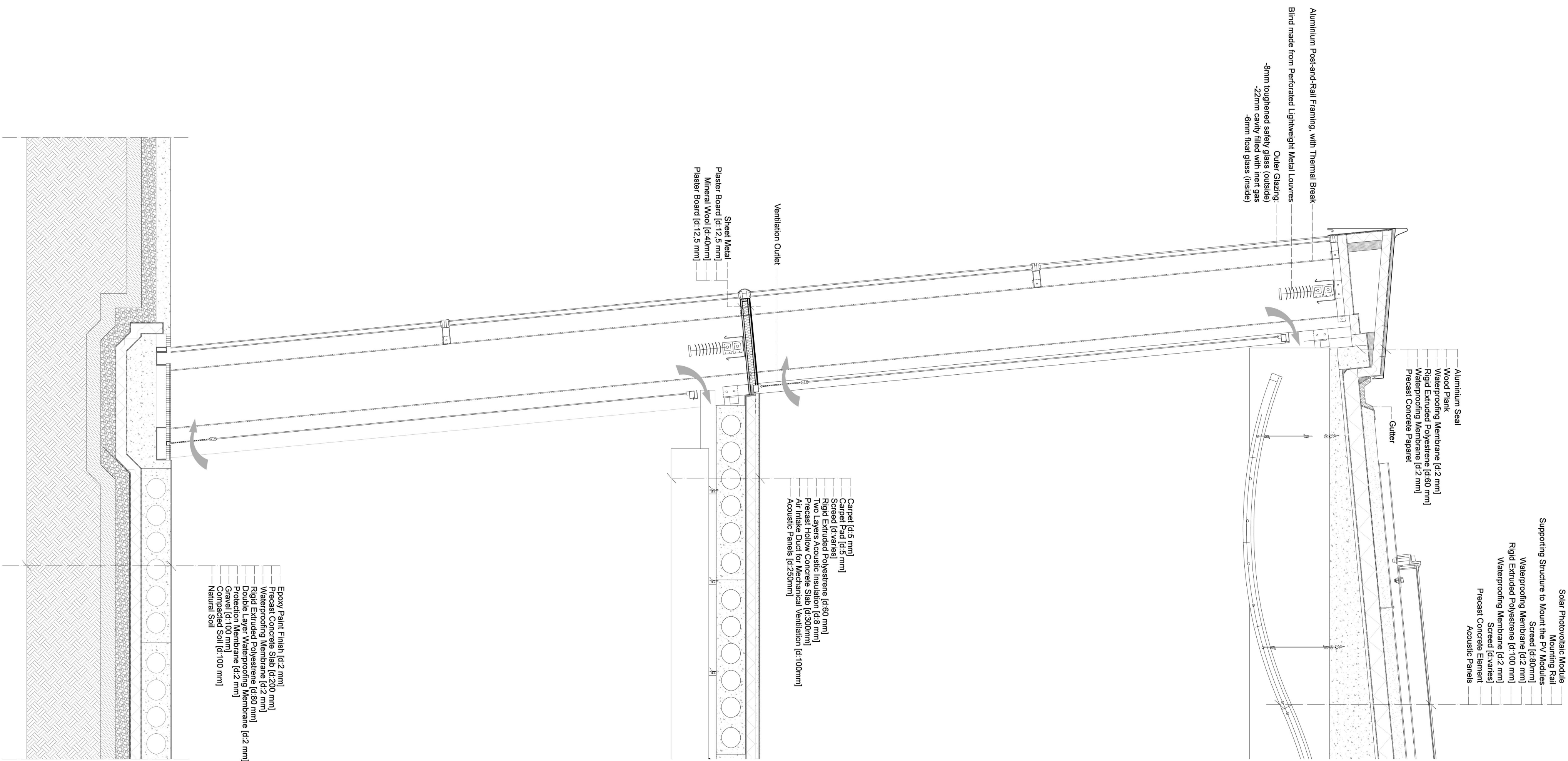


FINISHES SCHEDULE	
No.	TYPE
<b>WALLS</b>	
W.P	- PAINT
W.CT	- CERAMIC TILES
W.B	- BRICK
W.C	- CONCRETE
W.G	- GLASS
<b>FLOOR</b>	
F.EC	- EPOXY CONCRETE
F.CA	- CARPET
F.CO	- CORK
F.CT	- CERAMIC TILES
F.S	- SOIL
<b>CEILING</b>	
C.P	- PAINT
C.A.P	- ACOUSTIC PANELS
C.P.P	- PHOTOVOLTAIC PANELS
C.G	- GLASS

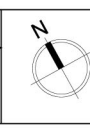
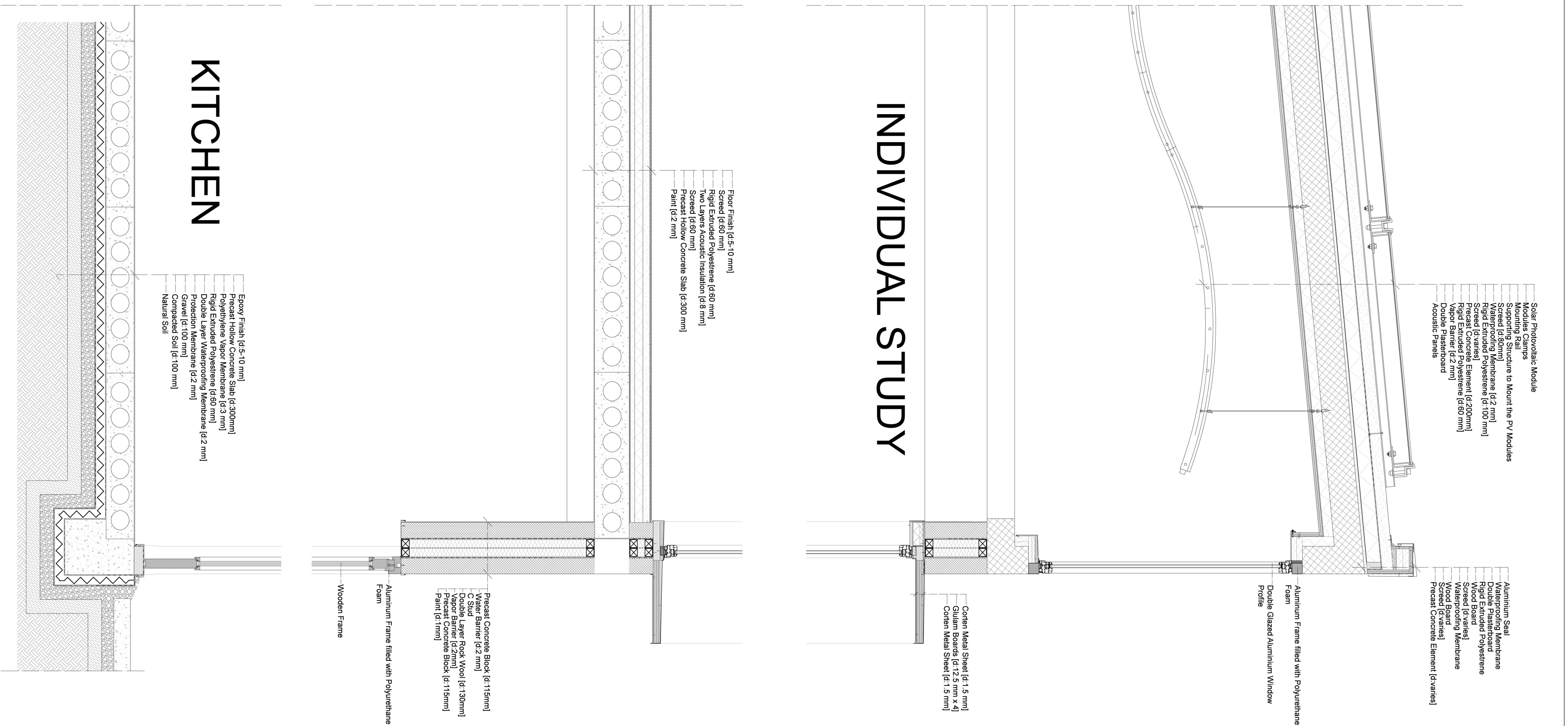
**1** STORAGE / TOILETS / KITCHEN / OFFICE 1 / OFFICE 2  
 MEETING ROOM / CIRCULATION SPACE / CLASSROOM  
 FIRST FLOOR PLAN SCALE 1:100

CONTINUATION ON DRAWING T05 / 01



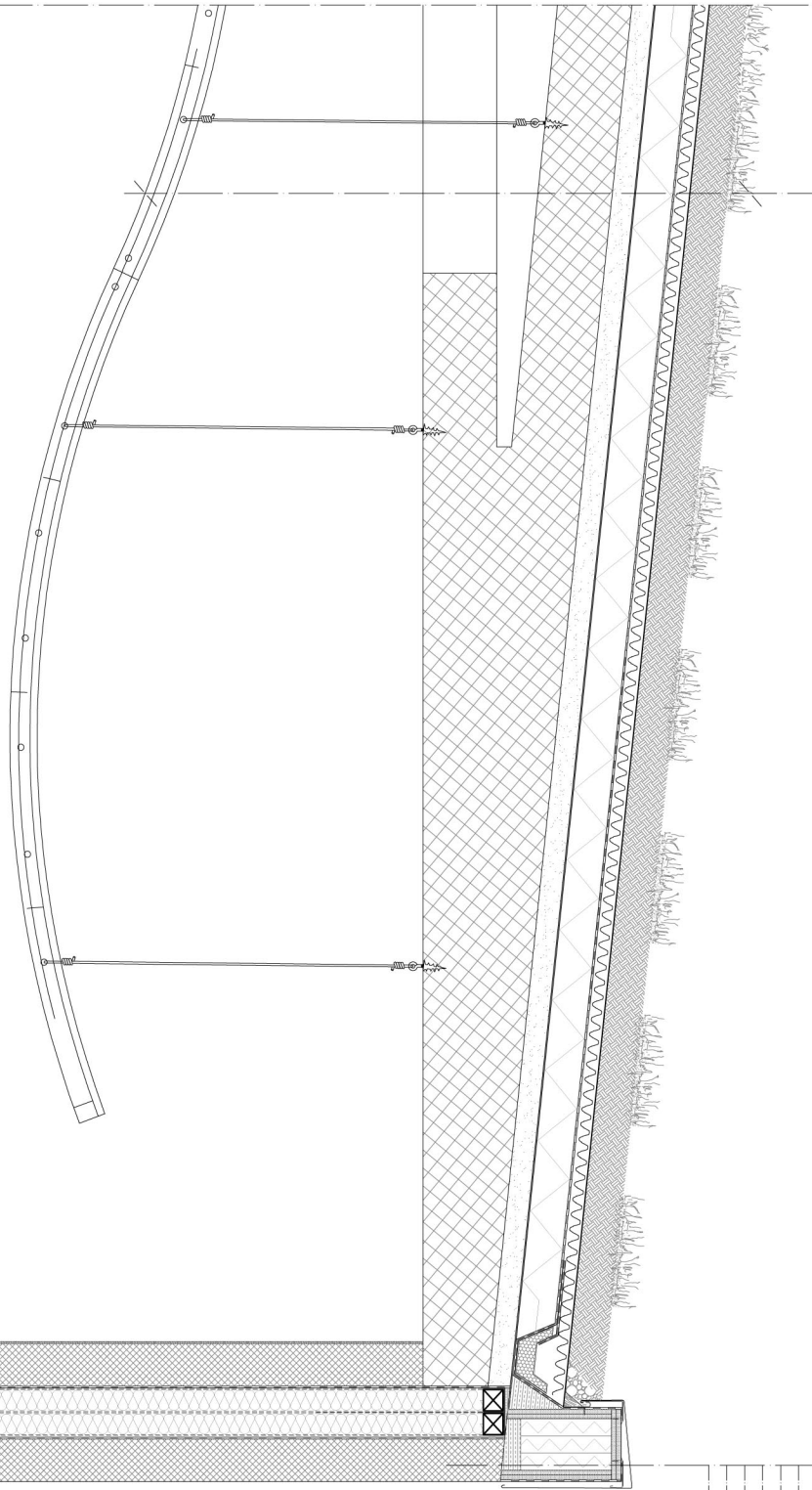








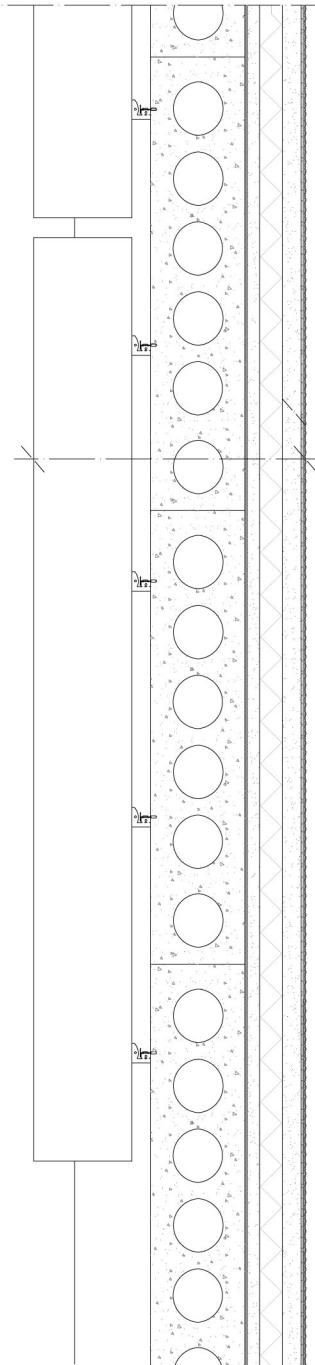
- Peat Layer (d: 150mm)
- Antifoil Filter (d: 2mm)
- Corrugated Zinc Sheet (d: 40mm)
- Rigid Extruded Polystyrene (d: 100 mm)
- Polyethylene Acoustic Insulation (d: 3 mm)
- Screed (d: varies)
- Precast Concrete Element (d: 200mm)
- Acoustic Panels



- Aluminum Seal
- Waterproofing Membrane
- Rigid Extruded Polystyrene
- Wood Board
- Screed (d: varies)
- Precast Concrete Element (d: varies)

# INDIVIDUAL STUDY

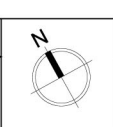
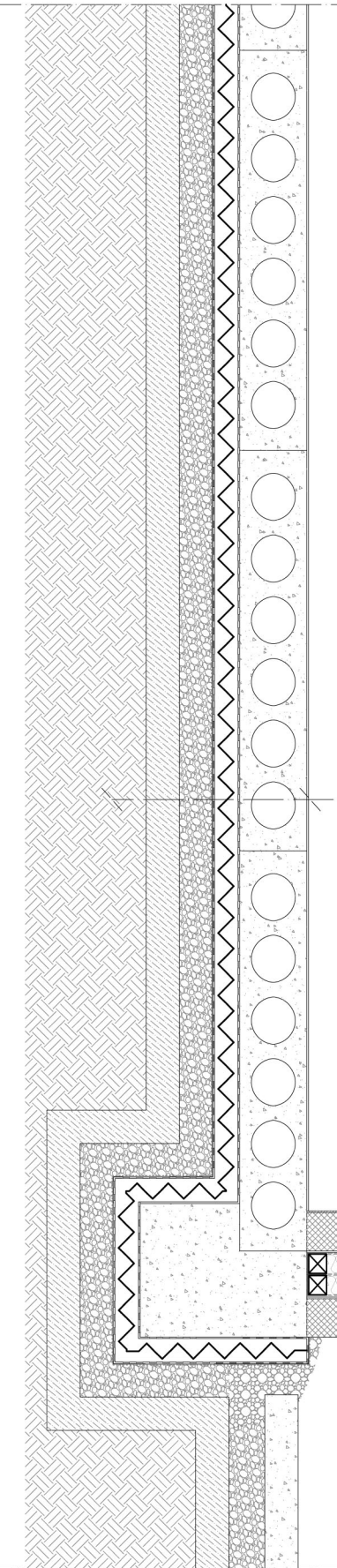
- Floor Finish (d: 5-10 mm)
- Screed (d: 50 mm)
- Rigid Extruded Polystyrene (d: 50 mm)
- Two Layers Acoustic Insulation (d: 8 mm)
- Screed (d: 50 mm)
- Precast Hollow Concrete Slab (d: 300 mm)
- Acoustic Panels (d: 300 mm)



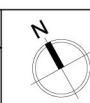
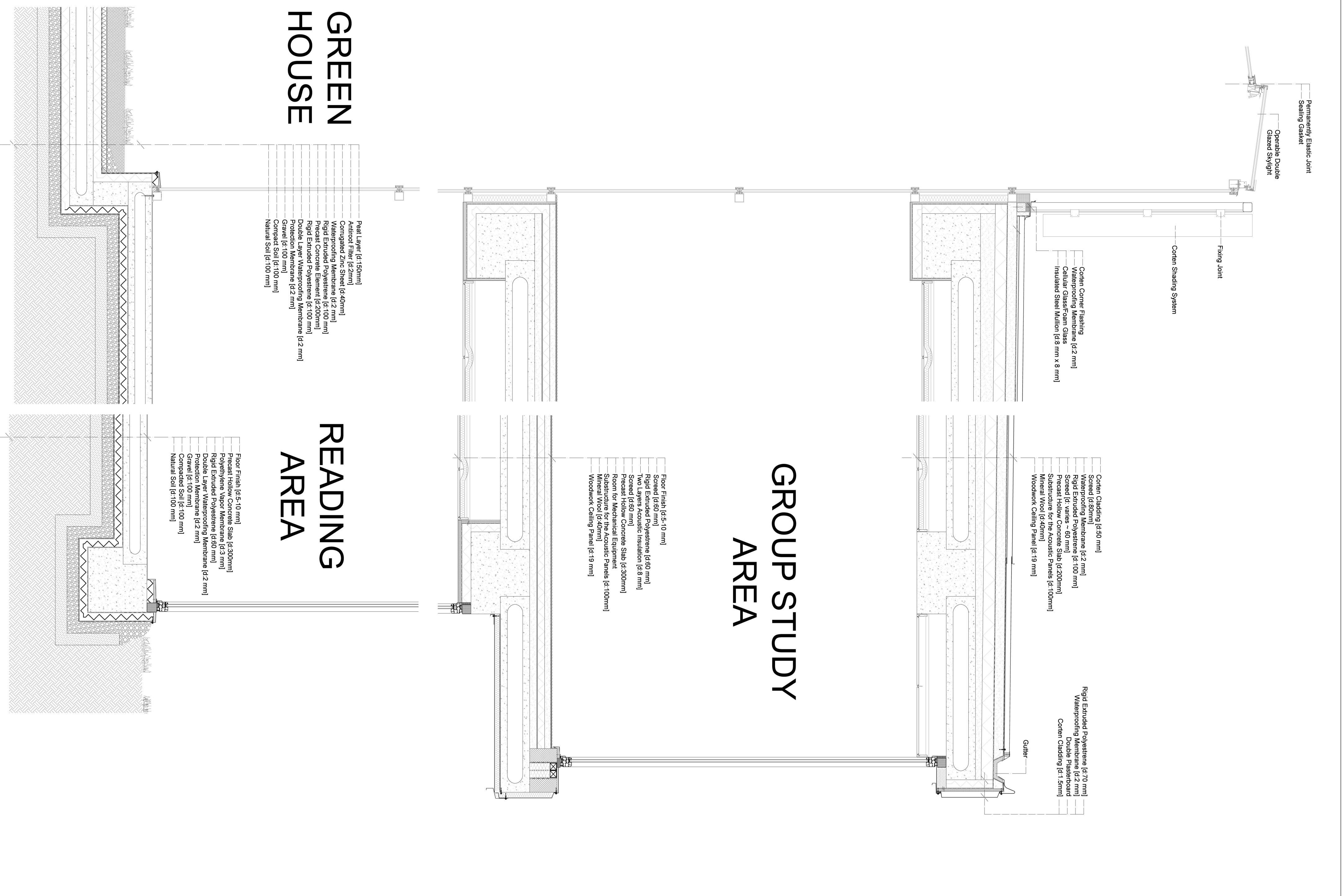
- Precast Concrete Block (d: 115mm)
- Water Barrier (d: 2 mm)
- C Slab
- Double Layer Rock Wool (d: 130mm)
- Vapor Barrier (d: 2mm)
- Precast Concrete Block (d: 115mm)
- Paint (d: 1mm)

# GIFT SHOP

- Epoxy Finish (d: 5-10 mm)
- Precast Hollow Concrete Slab (d: 300mm)
- Polyethylene Vapor Membrane (d: 3 mm)
- Rigid Extruded Polystyrene (d: 50 mm)
- Double Layer Waterproofing Membrane (d: 2 mm)
- Protection Membrane (d: 2 mm)
- Gravel (d: 100 mm)
- Compacted Soil (d: 100 mm)
- Natural Soil

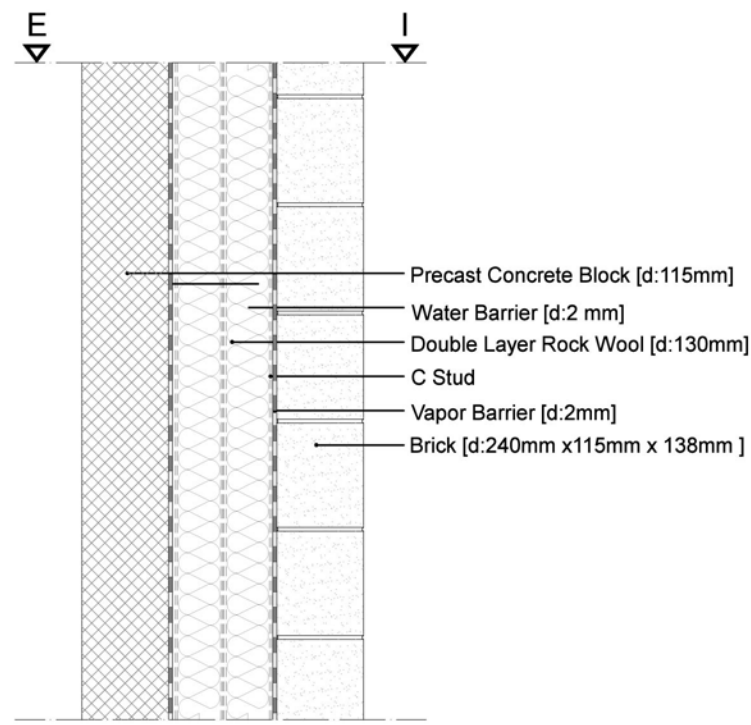




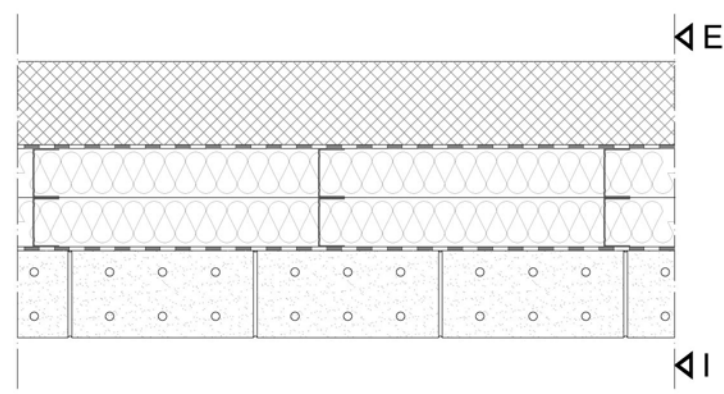




W01

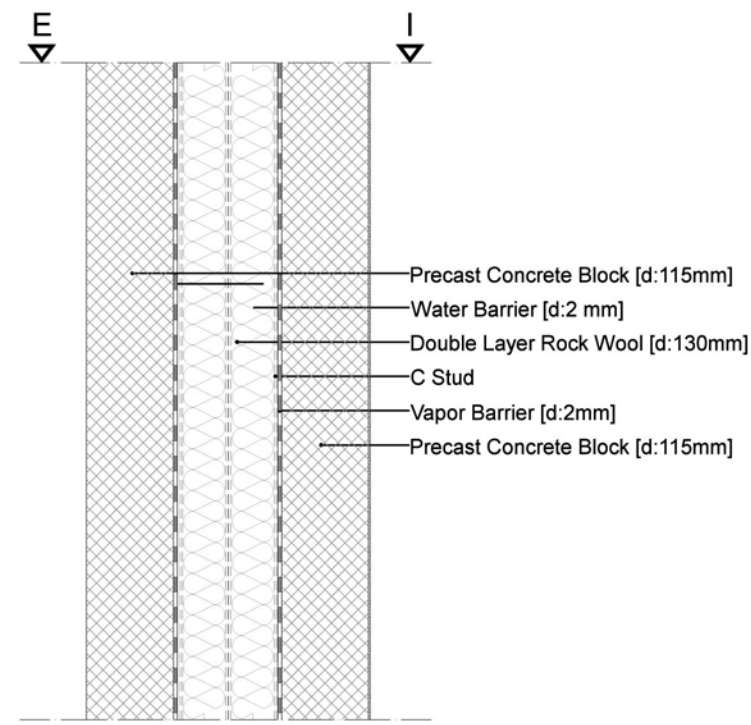


VERTICAL SECTION

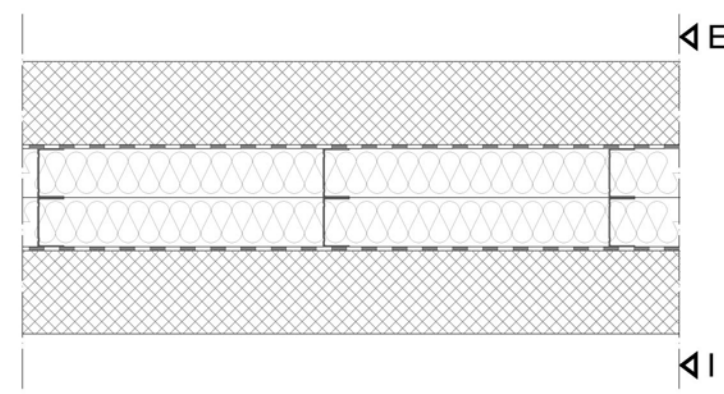


HORIZONTAL SECTION

W02

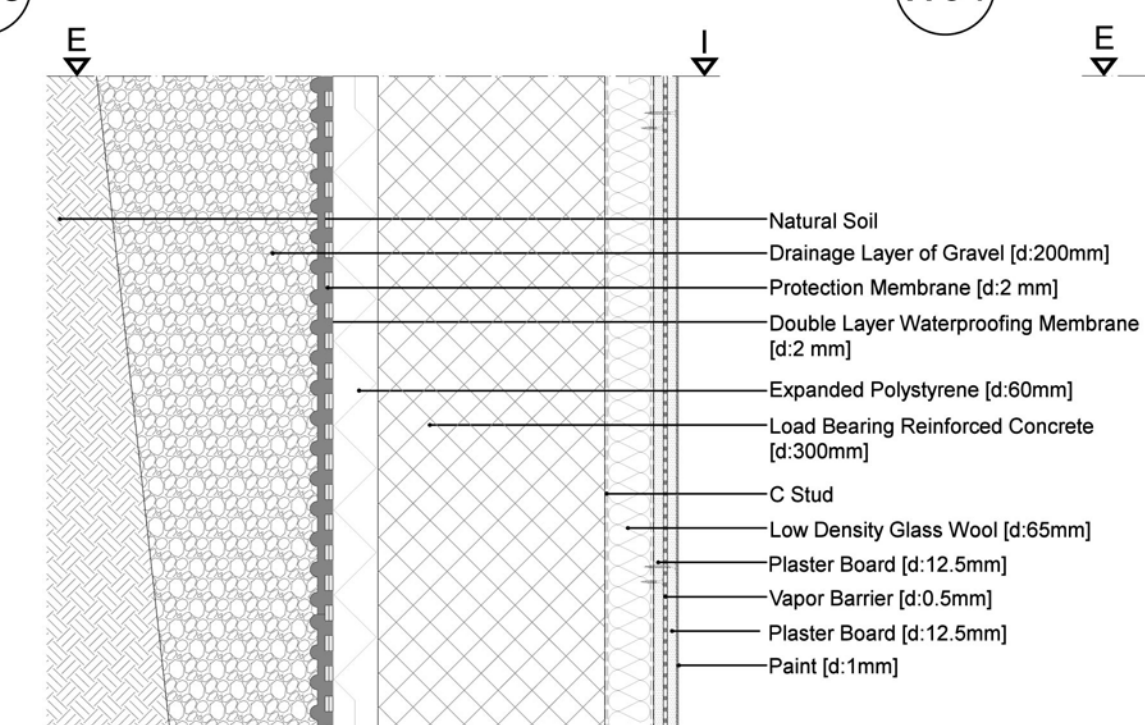


VERTICAL SECTION

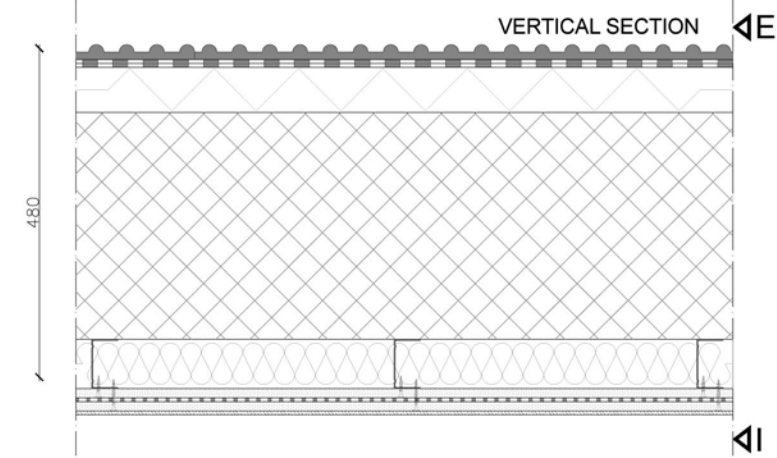


HORIZONTAL SECTION

W03

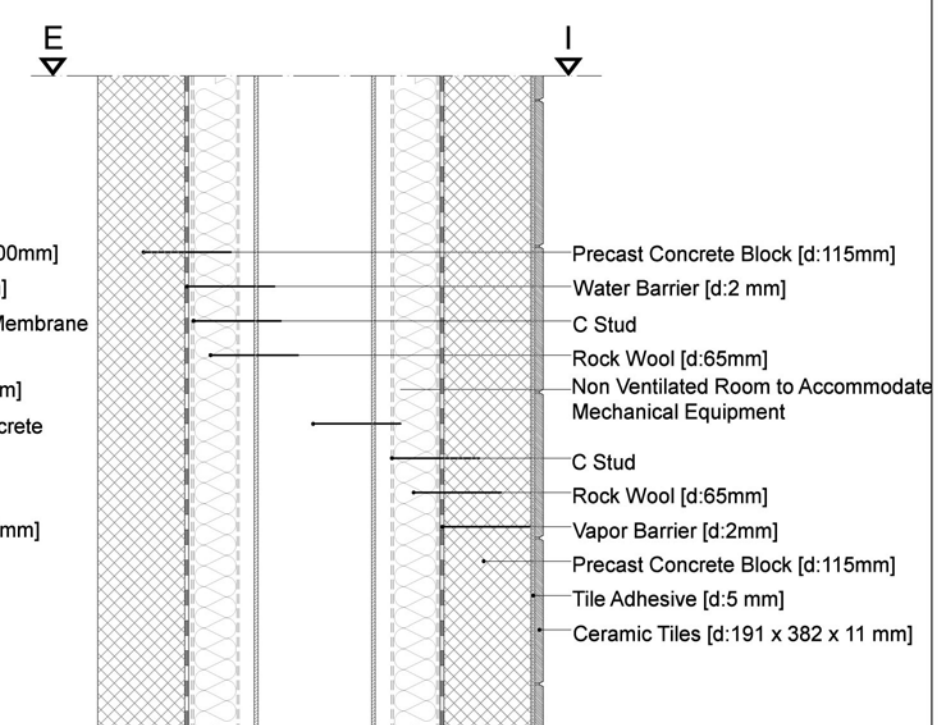


VERTICAL SECTION

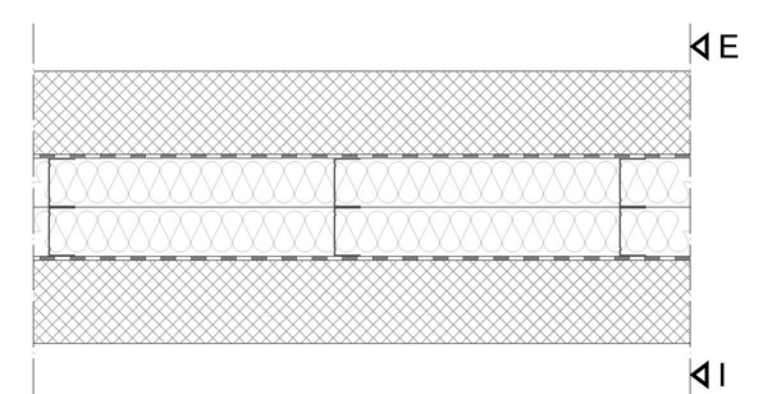


HORIZONTAL SECTION

W04



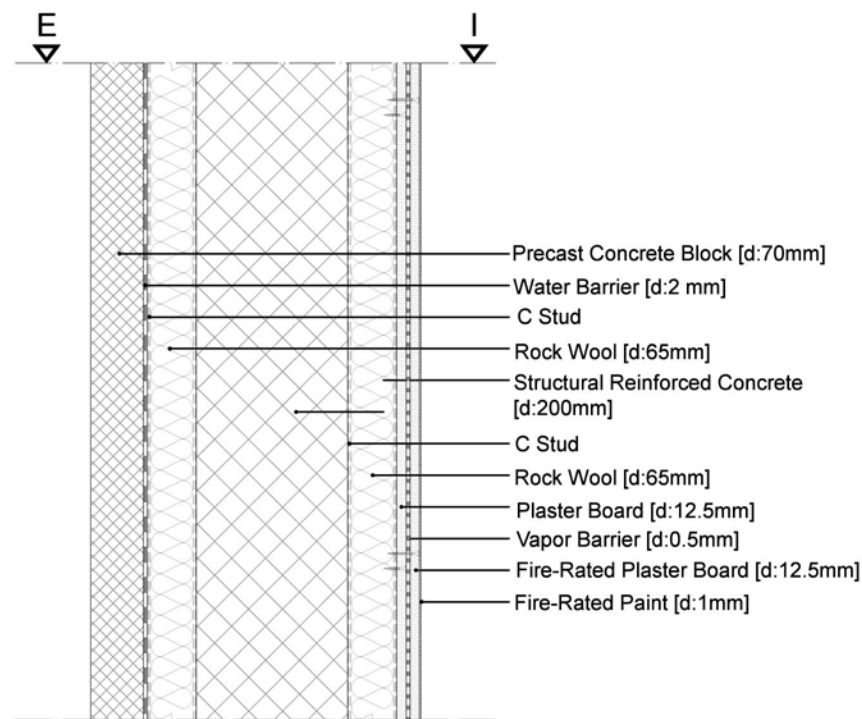
VERTICAL SECTION



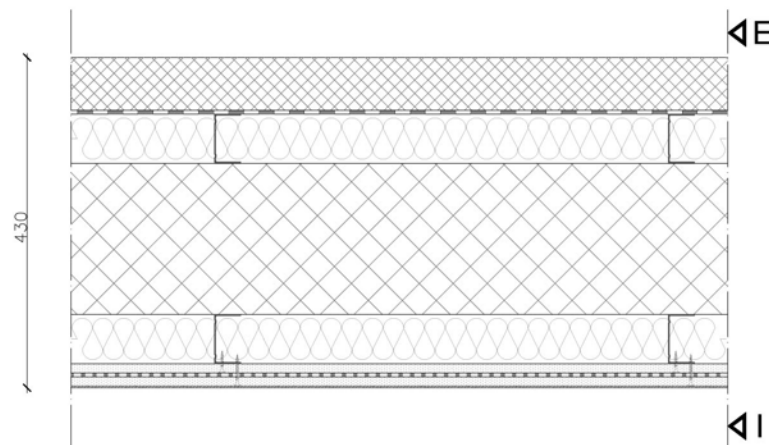
HORIZONTAL SECTION

W05

LOAD BEARING WALL / FIRE ESCAPE STAIRCASE

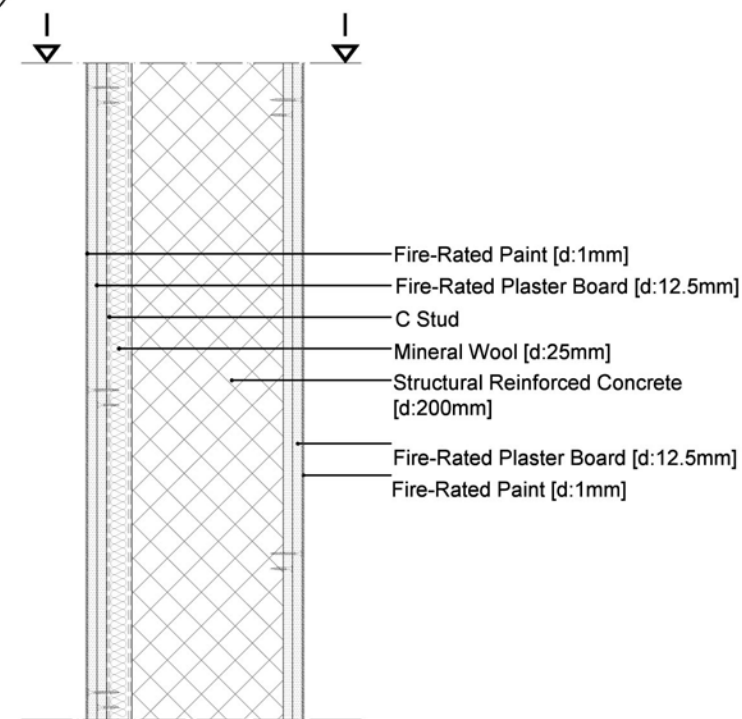


VERTICAL SECTION

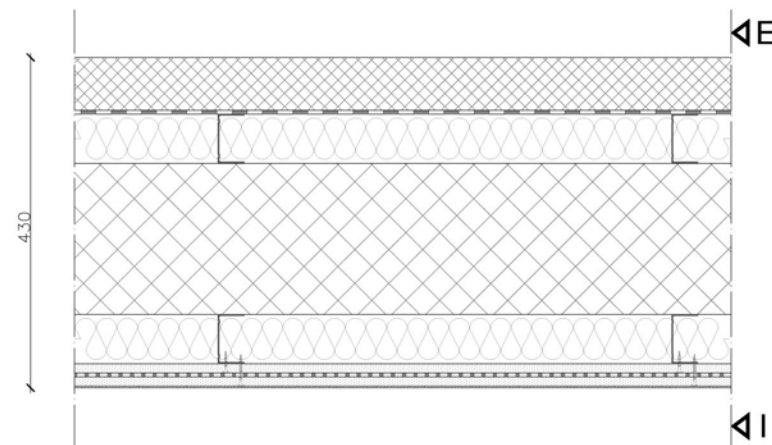


HORIZONTAL SECTION

W06



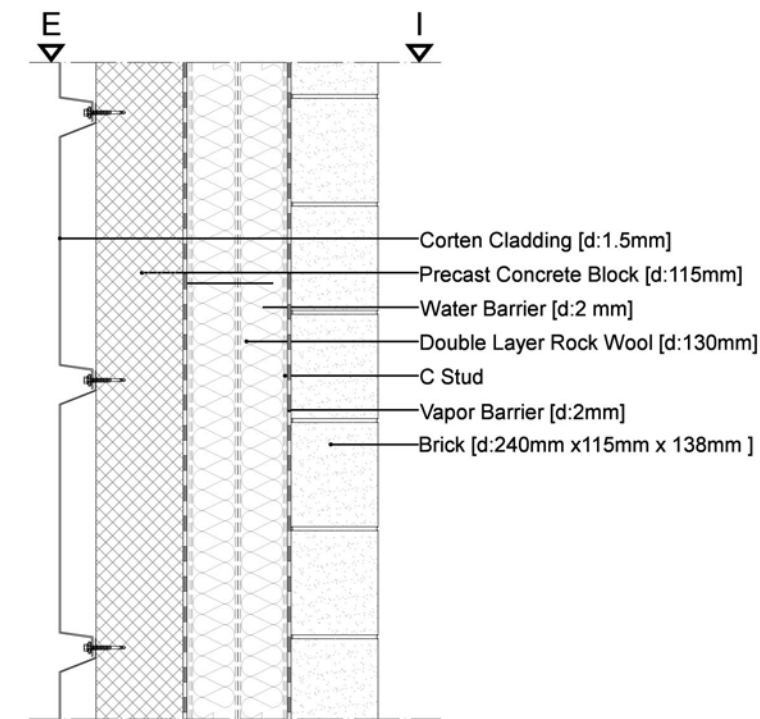
VERTICAL SECTION



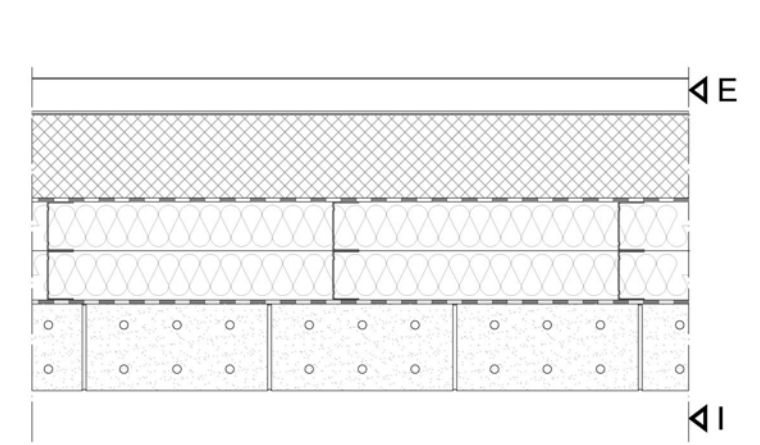
HORIZONTAL SECTION

W07

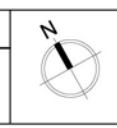
CORTEN FACADE CLADDING



VERTICAL SECTION

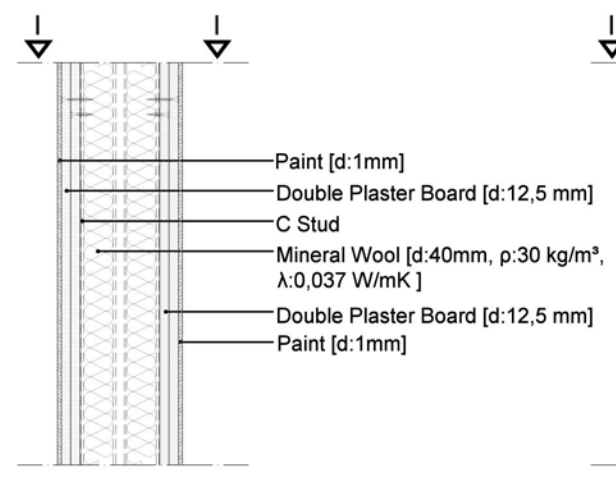


HORIZONTAL SECTION

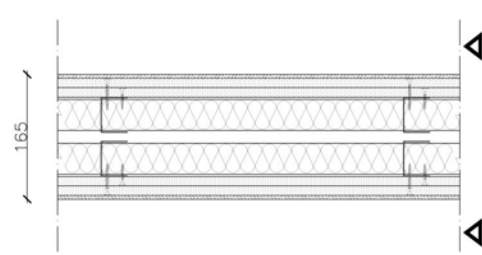




W10

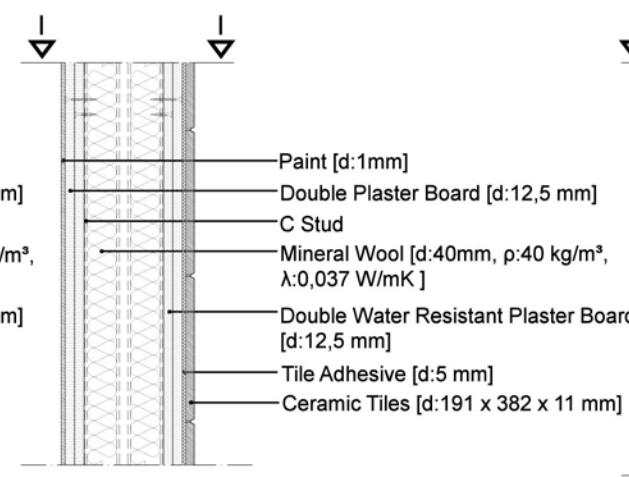


VERTICAL SECTION

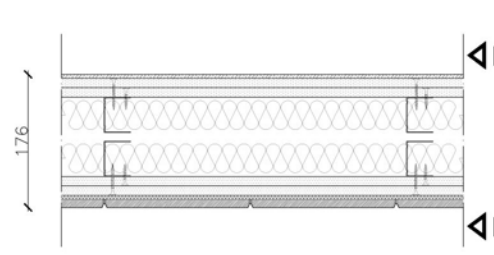


HORIZONTAL SECTION

W11

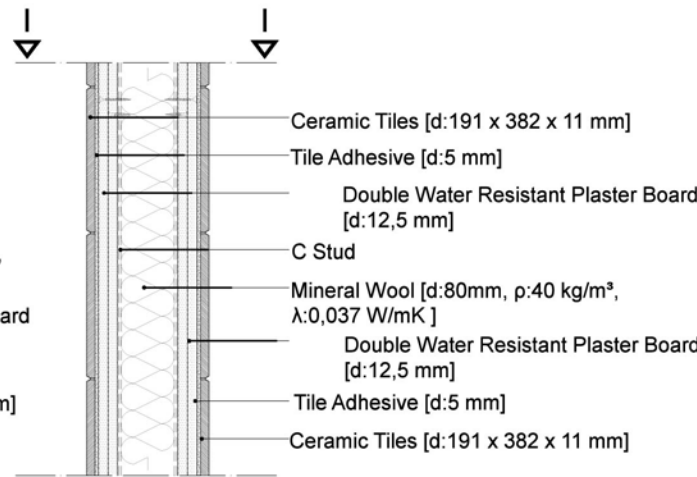


VERTICAL SECTION

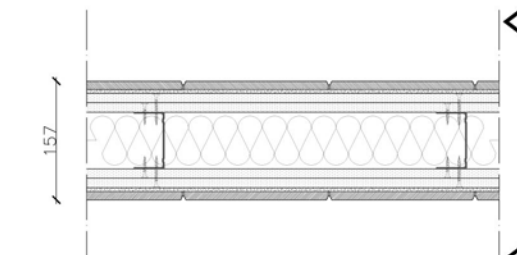


HORIZONTAL SECTION

W12

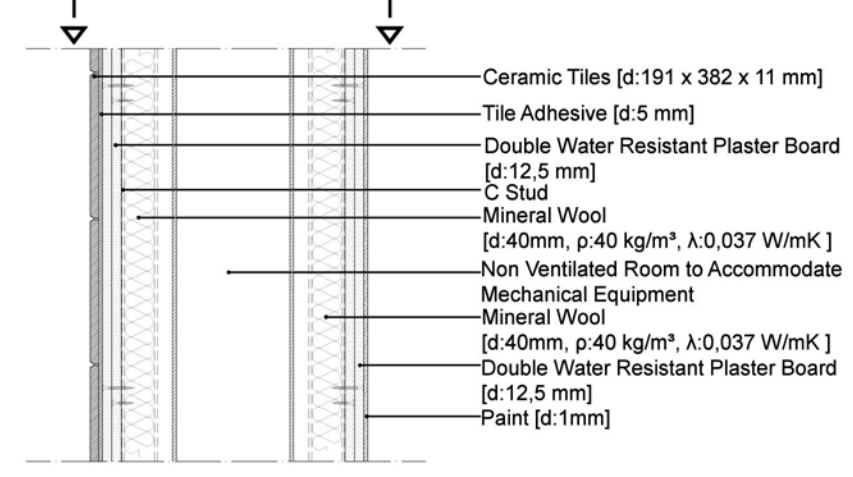


VERTICAL SECTION

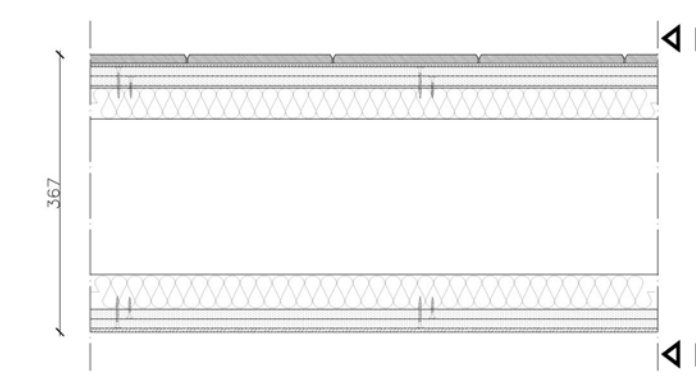


HORIZONTAL SECTION

W13

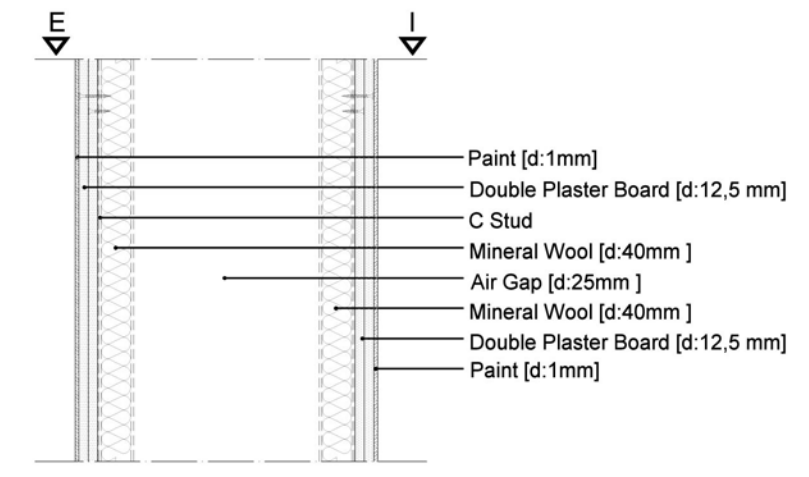


VERTICAL SECTION

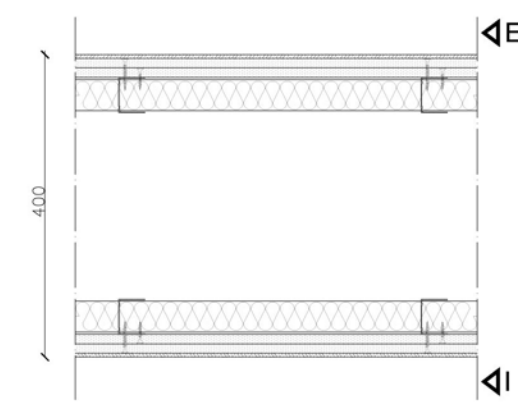


HORIZONTAL SECTION

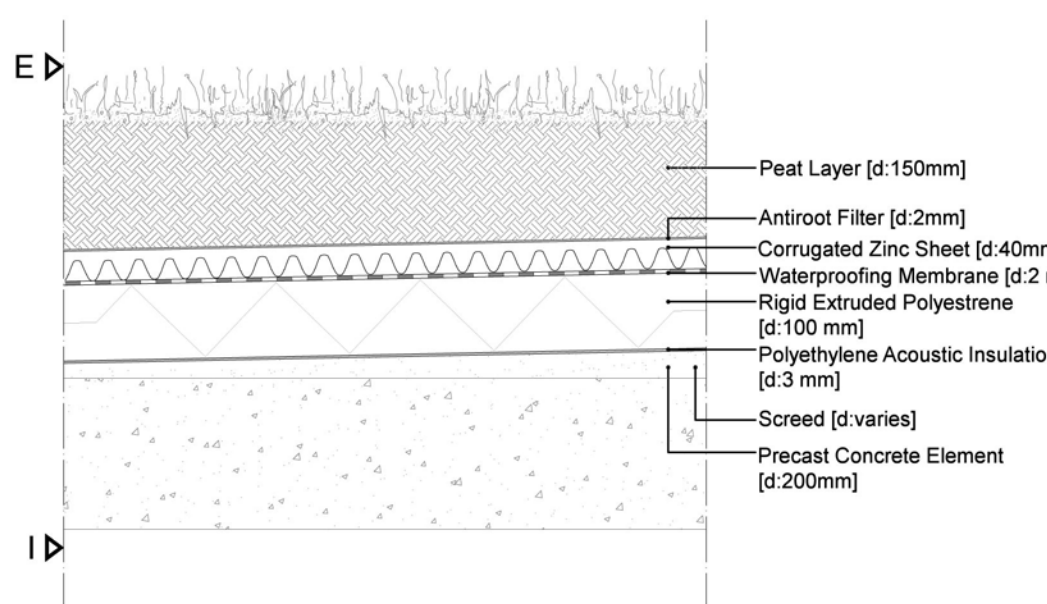
W14



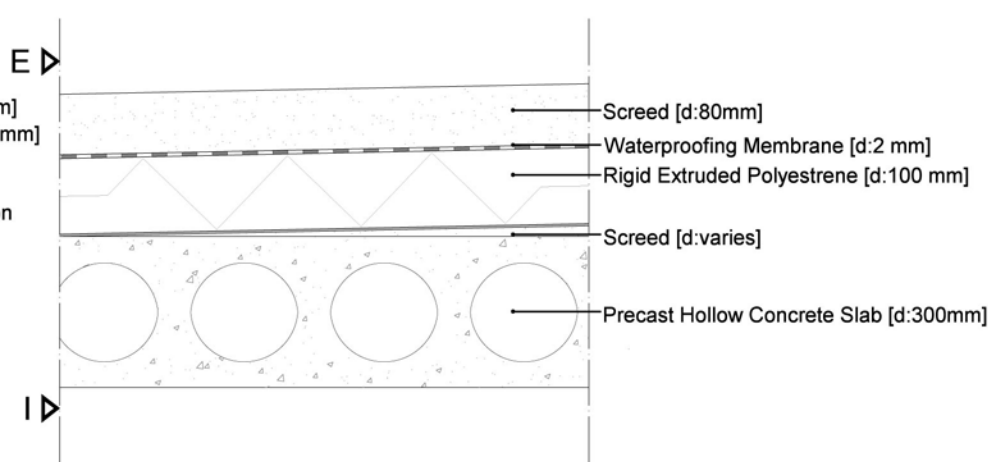
VERTICAL SECTION



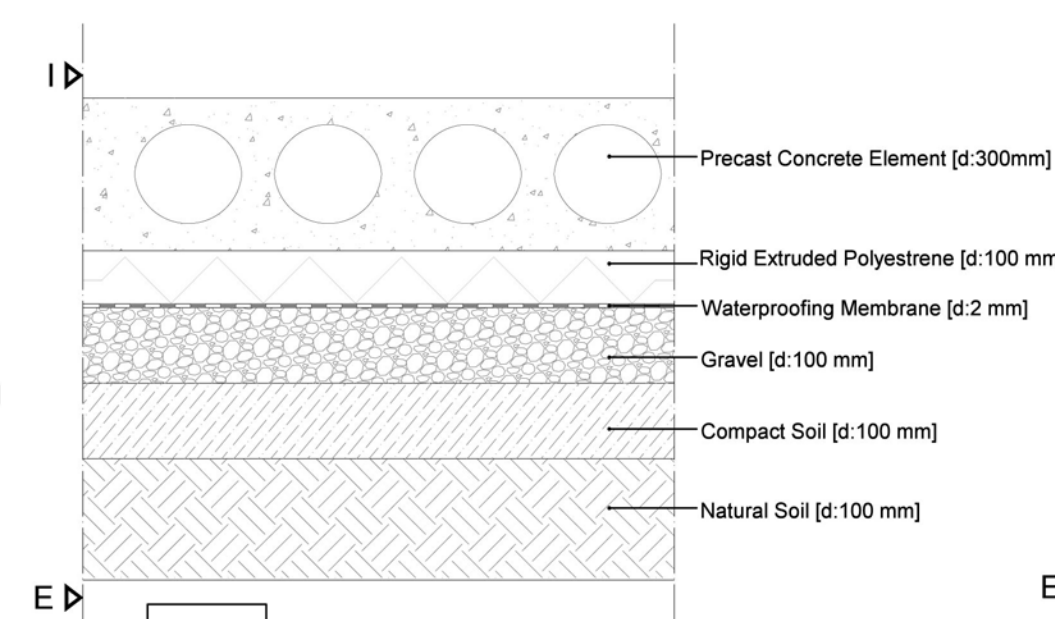
HORIZONTAL SECTION



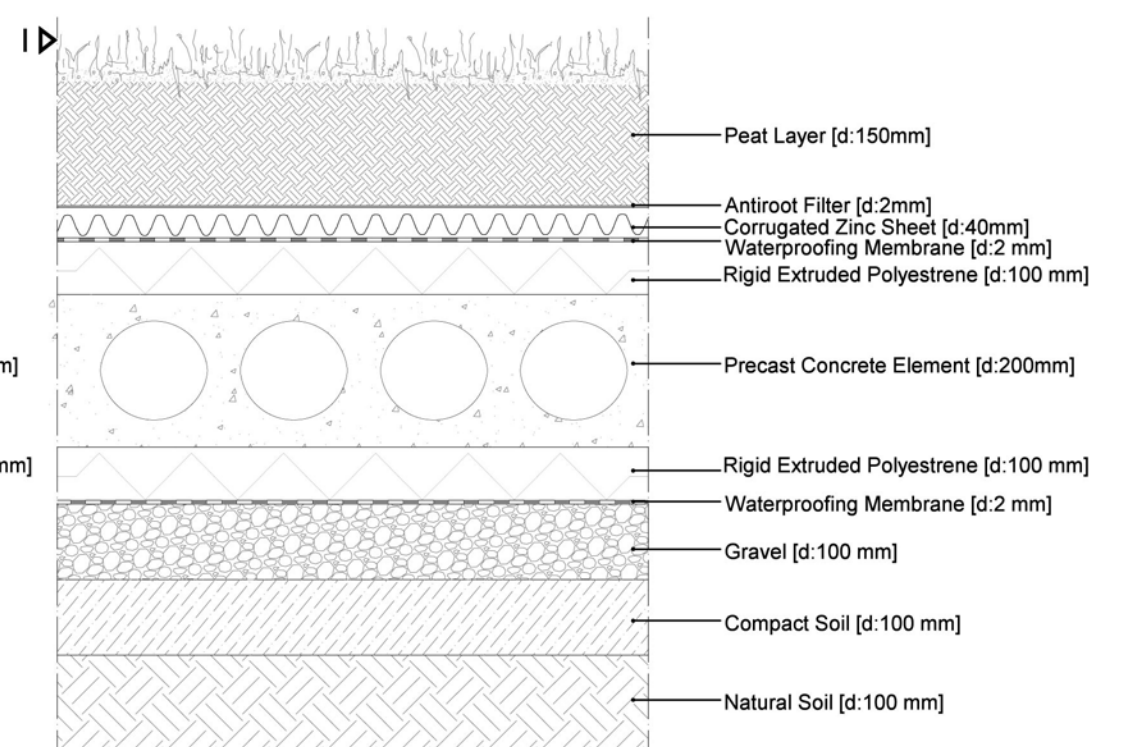
F01 GREEN ROOF



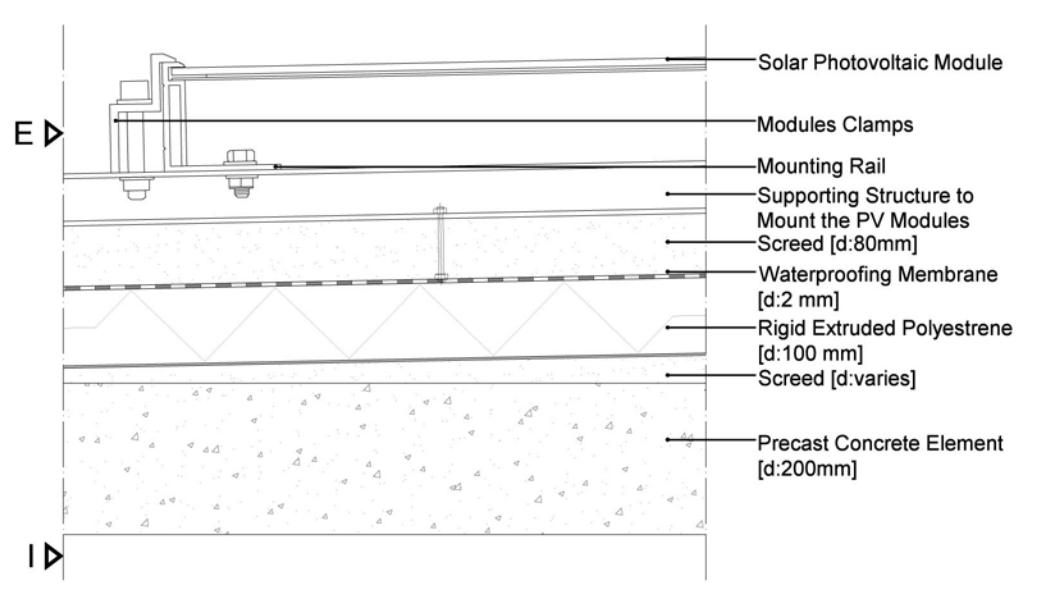
F03 STANDARD ROOF



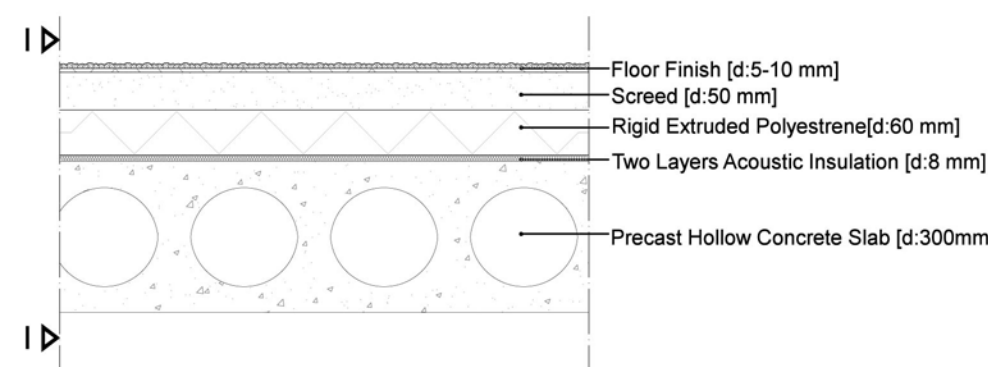
F05 GROUND FLOOR



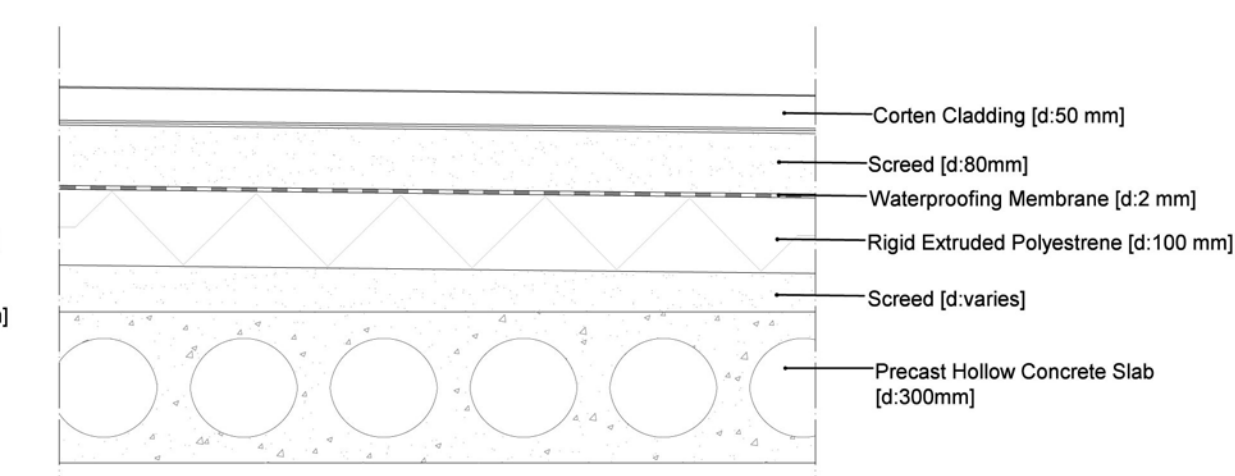
F06 GROUND GREEN FLOOR



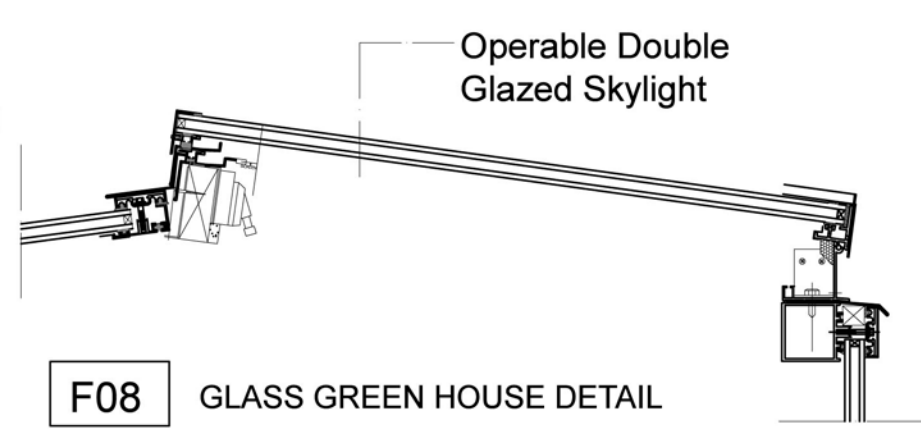
F02 PHOVOLTAIC ROOF



F04 SLAB BETWEEN 2 HEATED FLOORS (i.e. main collection)

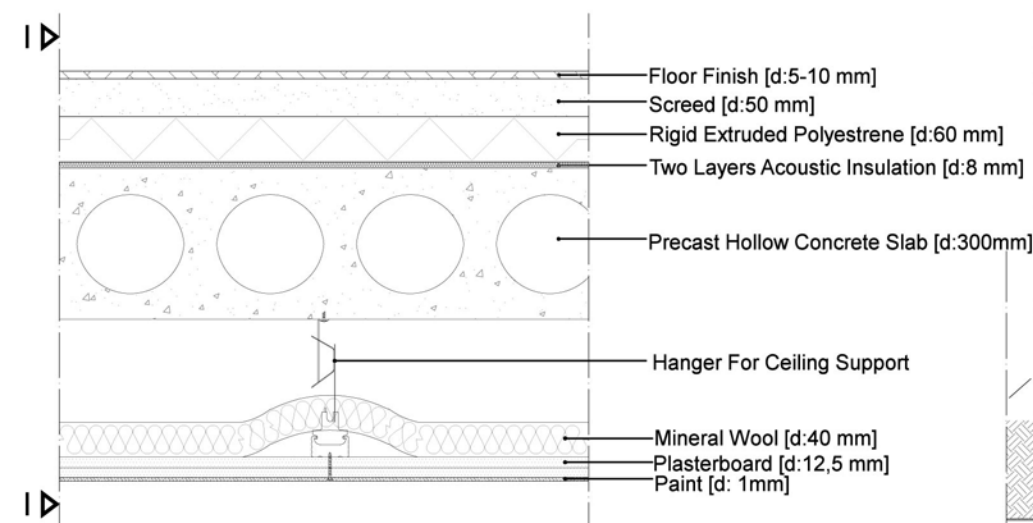


F07 CORTEN ROOF

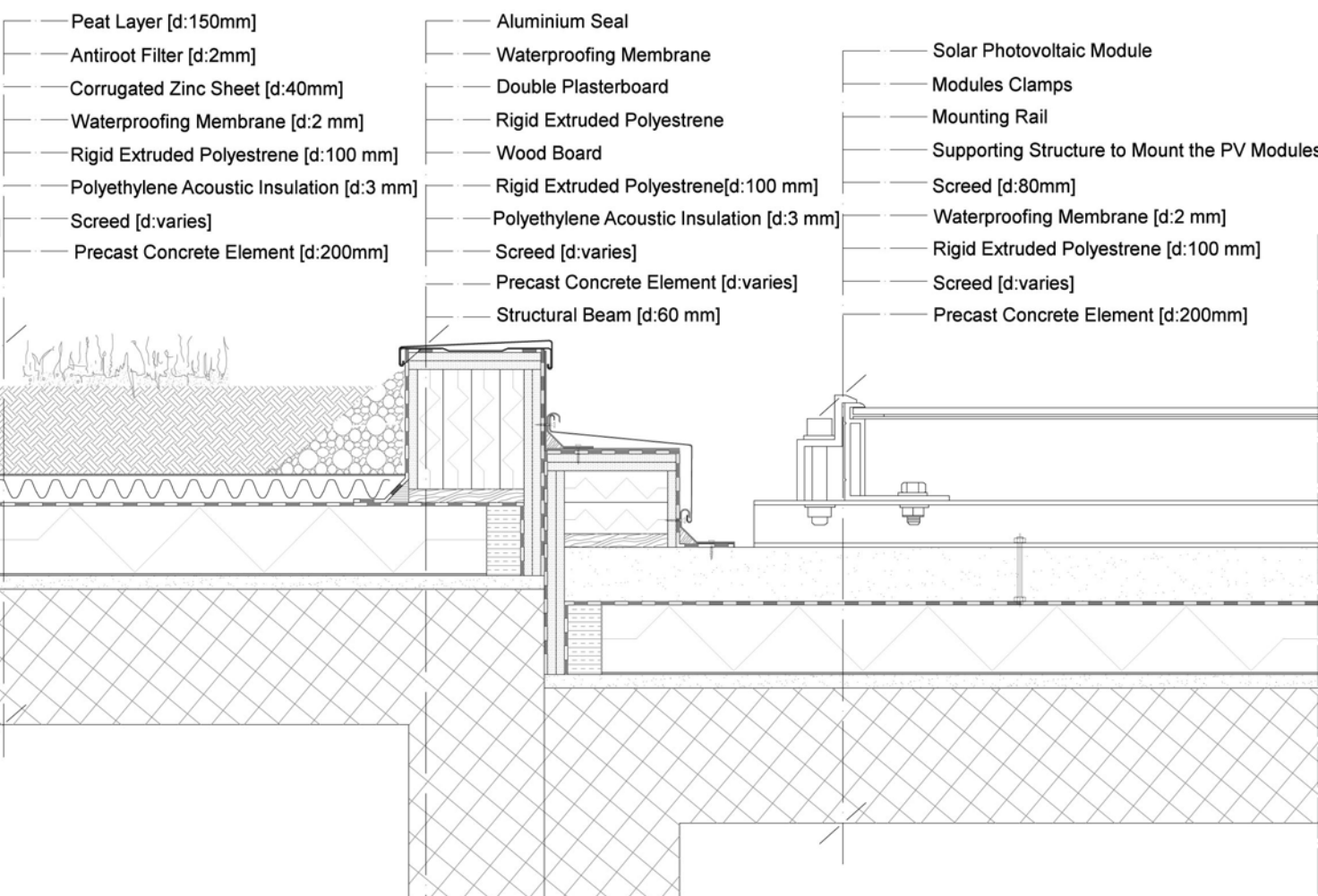


F08 GLASS GREEN HOUSE DETAIL

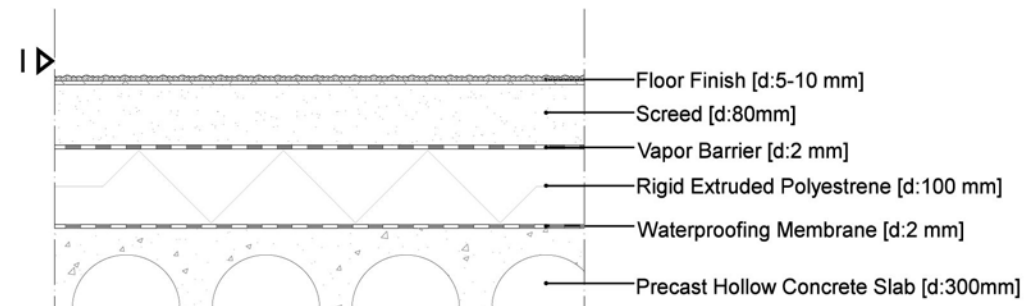




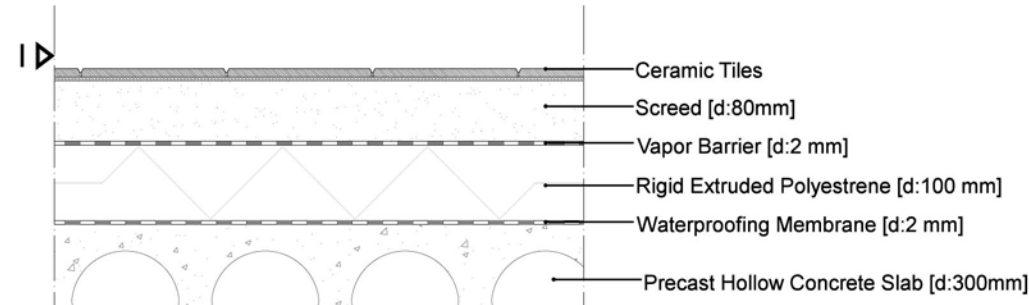
**F09** TOILETS / STORAGE / KITCHEN



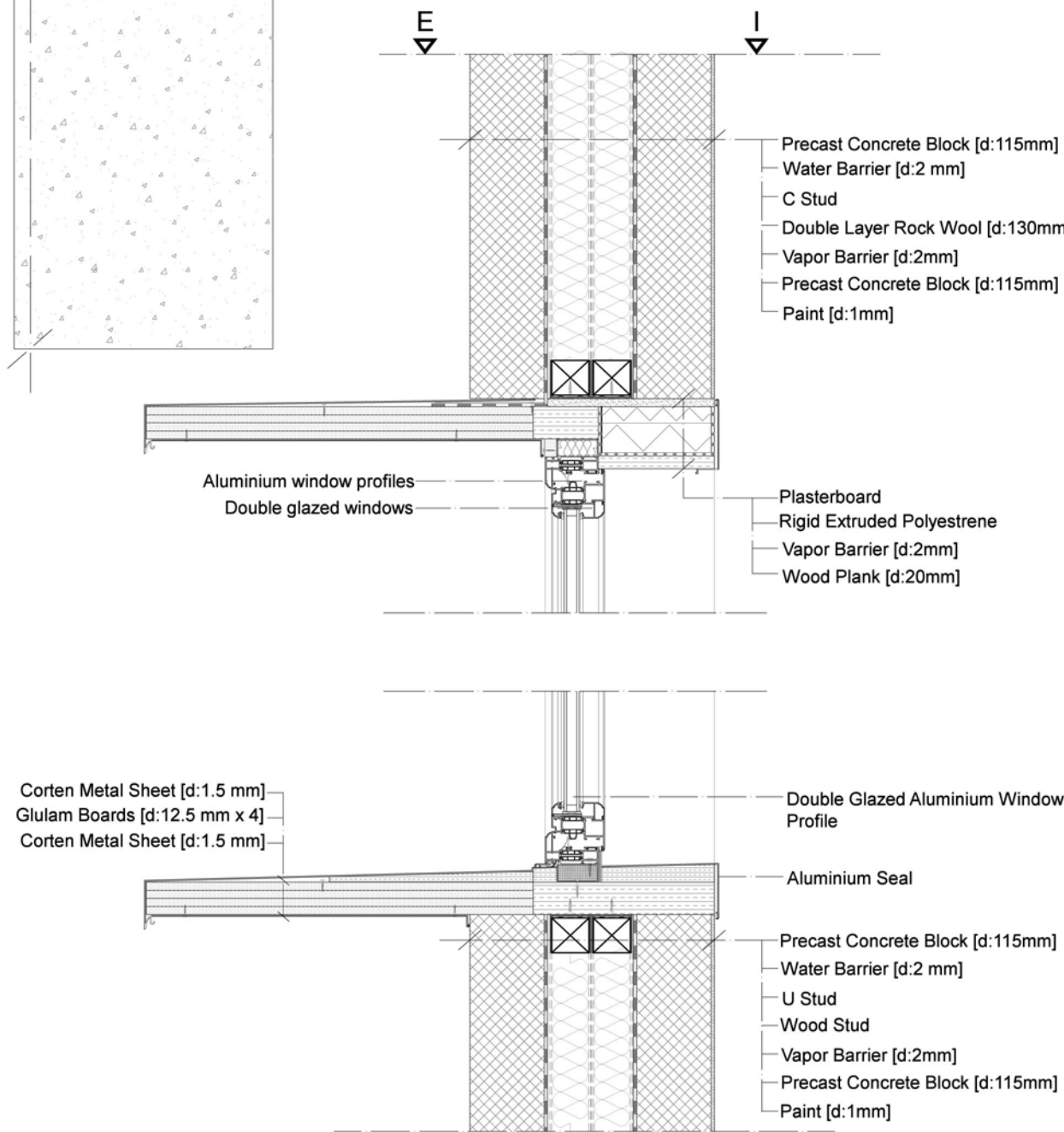
**N01** GREEN / PHOTOVOLTAIC ROOF JOINT



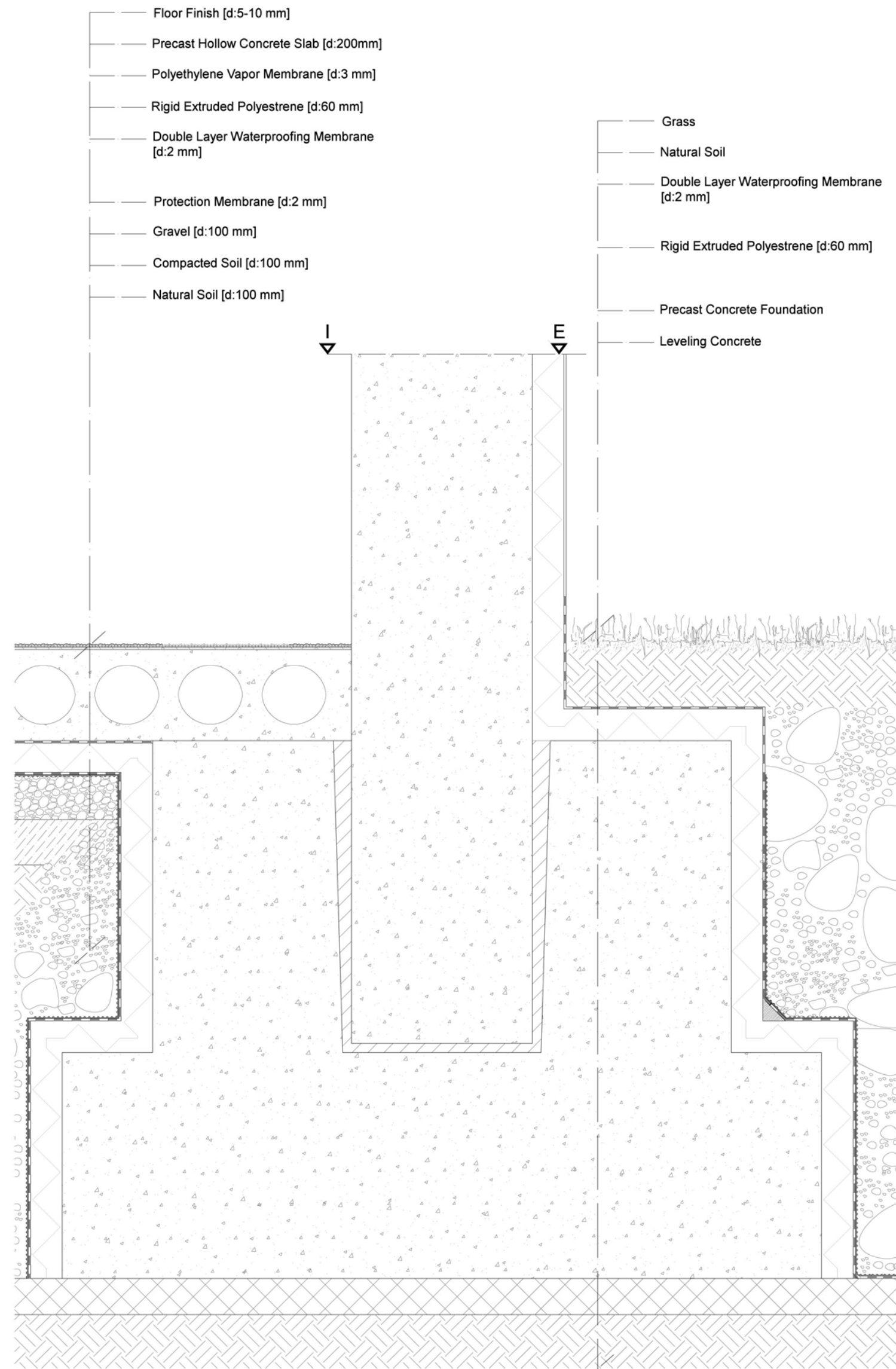
**F10** STAFF SLAB



**F11** STAFF TOILETS



**N02** CORTEN WINDOW DETAIL



**N03** FOUNDATION DETAIL



