SLENDER VILLAGE
NEW URBAN IDENTITY IN KAMPONG BHARU

WHAT

is a slender village?
- unprecedented typology
- smaller scale **mega tower**
- mini vertical city with **amenities of a sub-city**
- huge building complex that forms a micro society of its own
- new **development concept**

WHY

reinventing development?
- revolutionary development that enhances the **identity** of the area
- to be viable on heritage sites
- with minimal ground area impact
- be able to redevelop sensitive sites
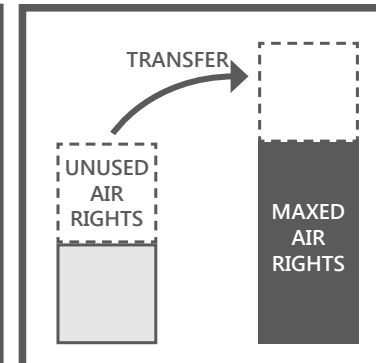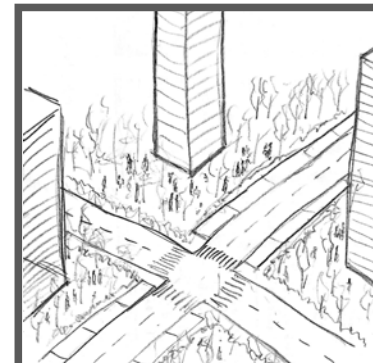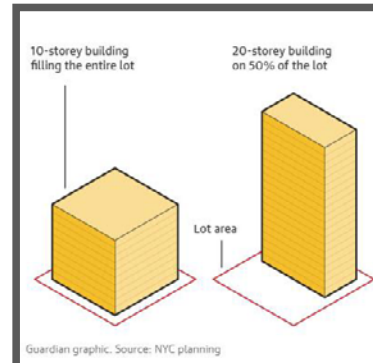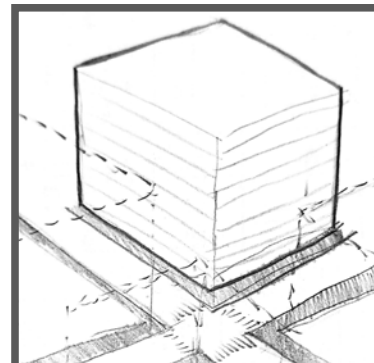- sensitive sites like **Kampong Bharu**

WHERE

Kampong Bharu
- >100 year old site situated at the heart of KL
- many old village buildings
- many **failed master plan** attempts
- **redevelopment is inevitable** due to its location

VISION

IMAGINE CITY BLOCKS WITH **LESSER BUILDING FOOTPRINT**

Bulky blocks create street canyons

Slender buildings create more ground space

Open spaces connect cities

Transfer of Development Rights (TDR)

Need
Kampong Bharu requires redevelopment as it is the only remaining untouched area of the city. It is a very sensitive site, hence there is a need of a human-centric design approach.

Approach
To give back more open ground area to the public by consolidating the villages into slender vertical cities.

Benefits
Instead of sprawling development which creates boundaries and restrict movement, the verical villages provide more open ground to reconnect people, hence reducing urban isolation.

Competitors
Existing master plan proposals by various parties were mostly investor-driven and they do not cater for the needs of those who live in Kampong Bharu.
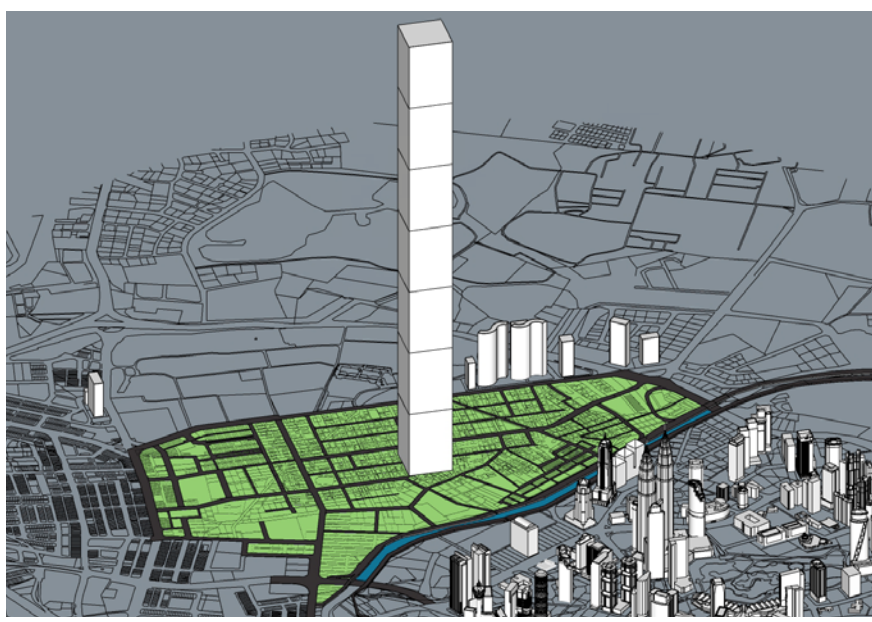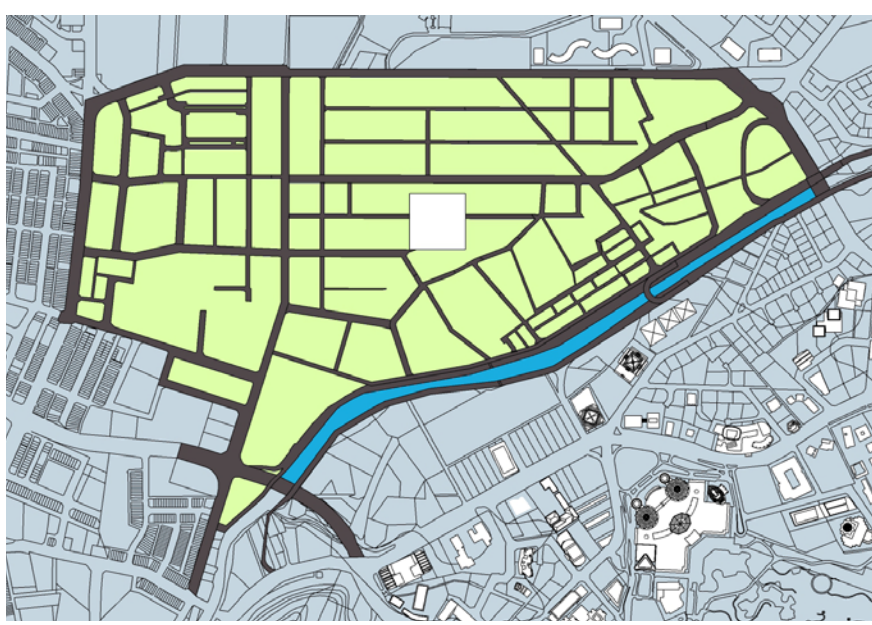
SIMULATION BASED ON KAMPONG BHARU

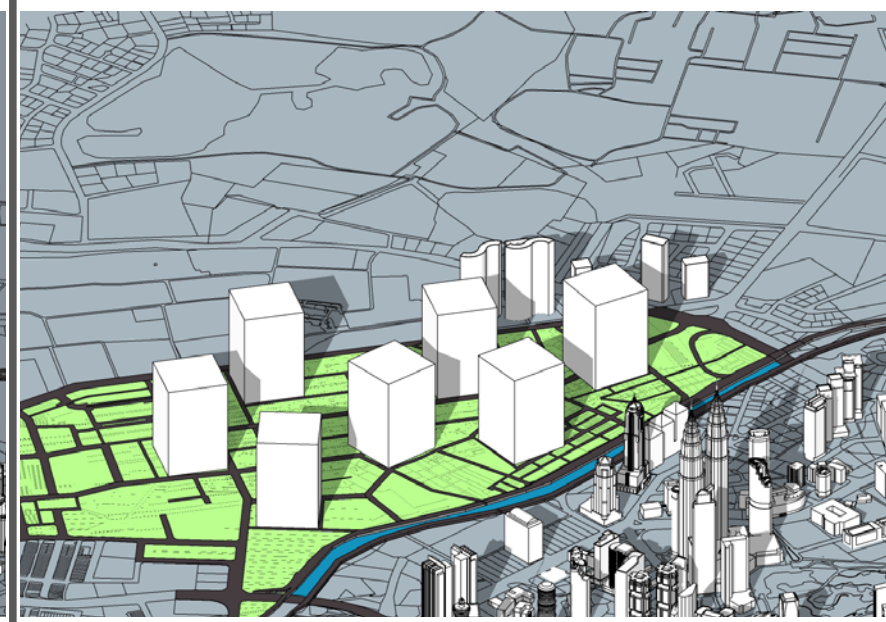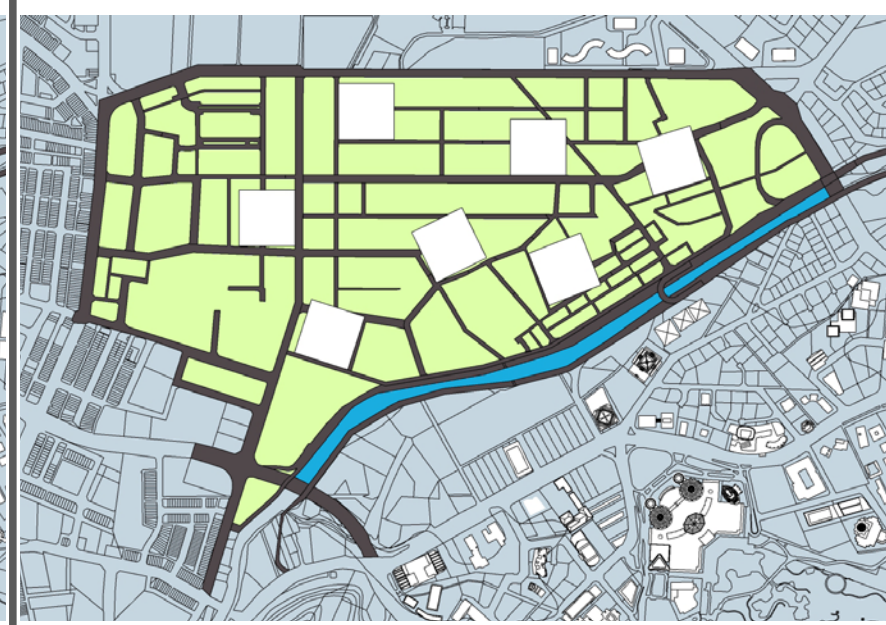| ALL IN ONE MEGA TOWER	DECONSTRUCTED INTO MEGA BLOCKS	SLIMMED UP SLENDER TOWERS	FURTHER DISPERSION	SLENDER VILLAGES

PLAN / 3D
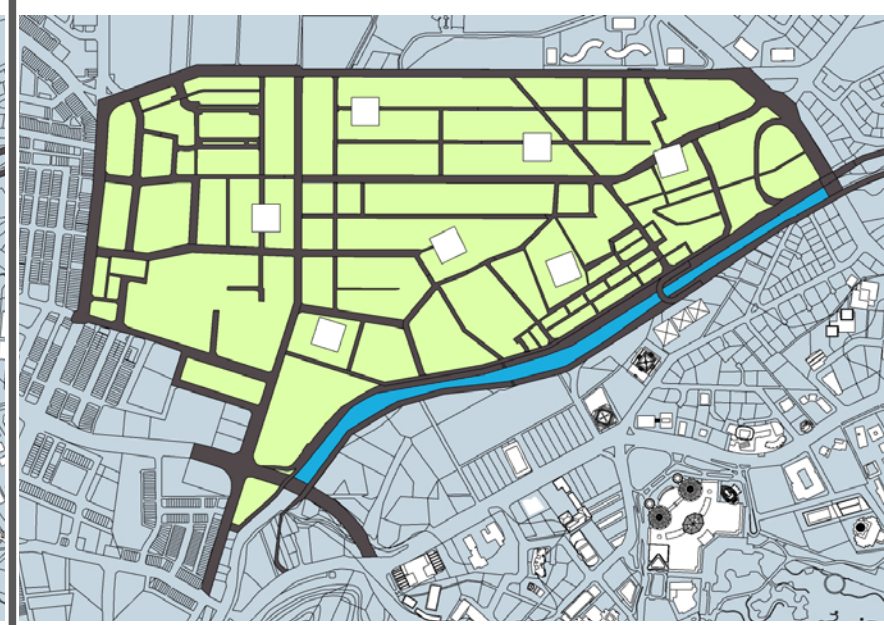

2058 acre of area into a single Mega Tower. All the rest of the lands shall be open spaces and no future development shall be permitted.

The Mega Tower is then deconstructed into 7 separate blocks based on the 7 villages of Kg Bharu and is then scattered around the region.
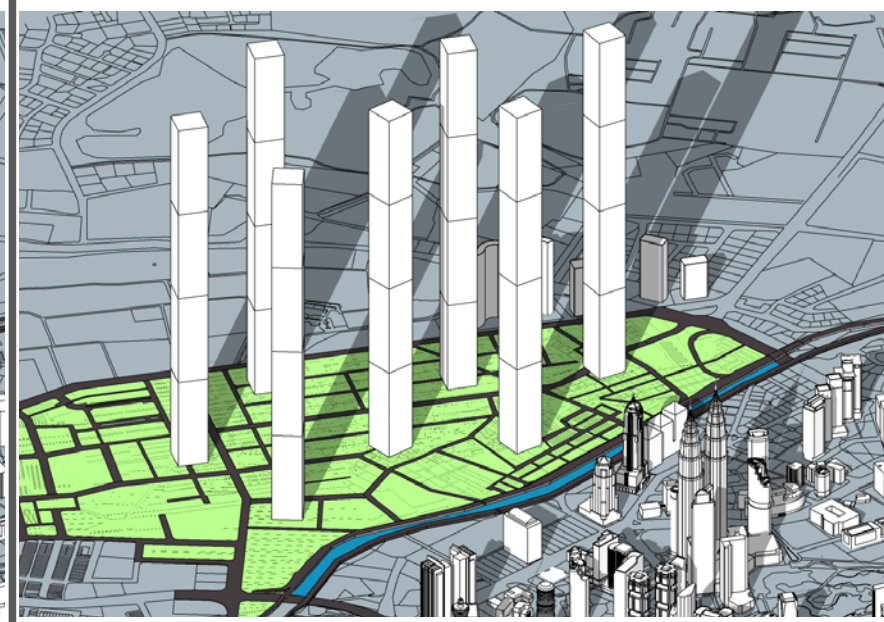
The bulky form of the mega blocks are then slimmed up into slender mega towers, however the height is too tall compared to the surrounding.
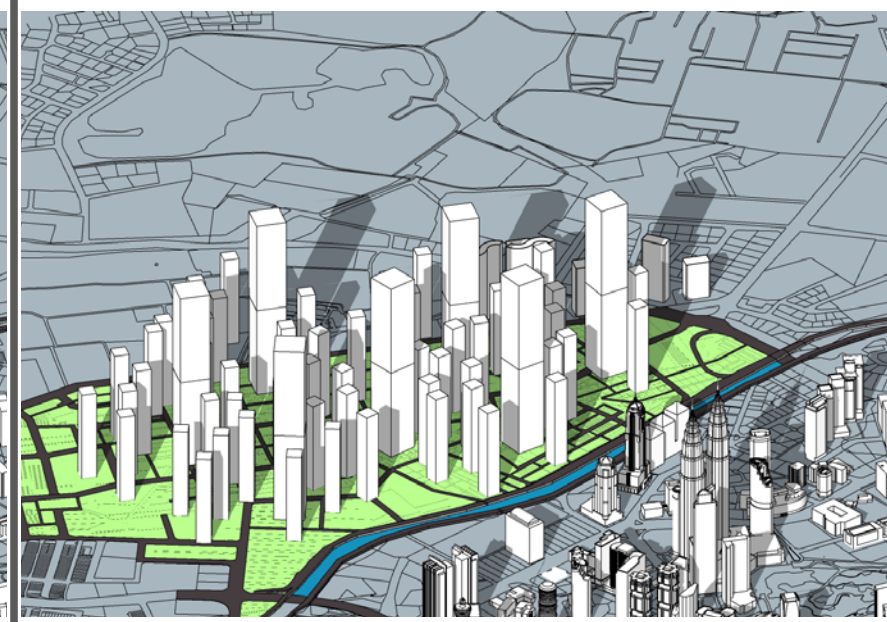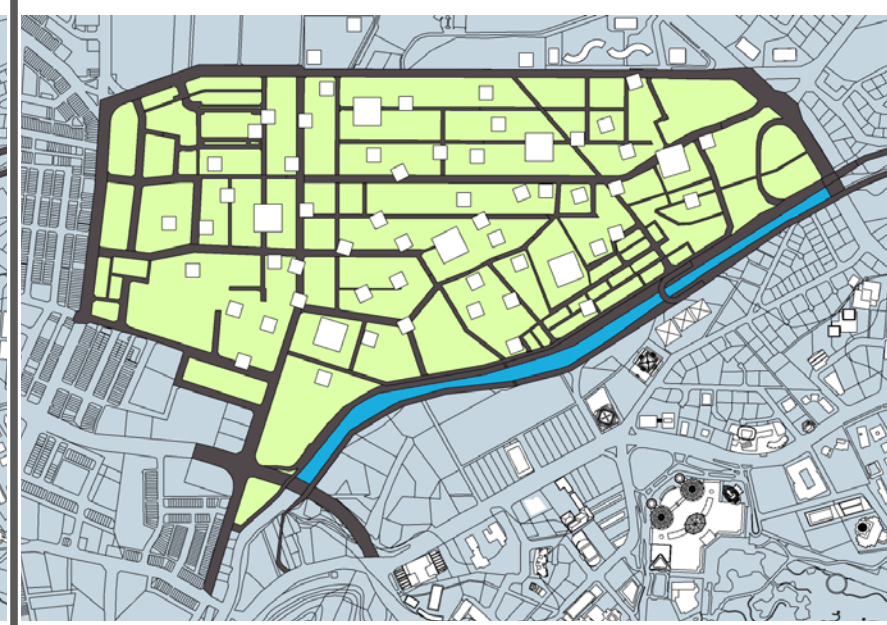
Half of the slender tower mass are then dispersed around each tower into smaller towers for a more even distribution of development.
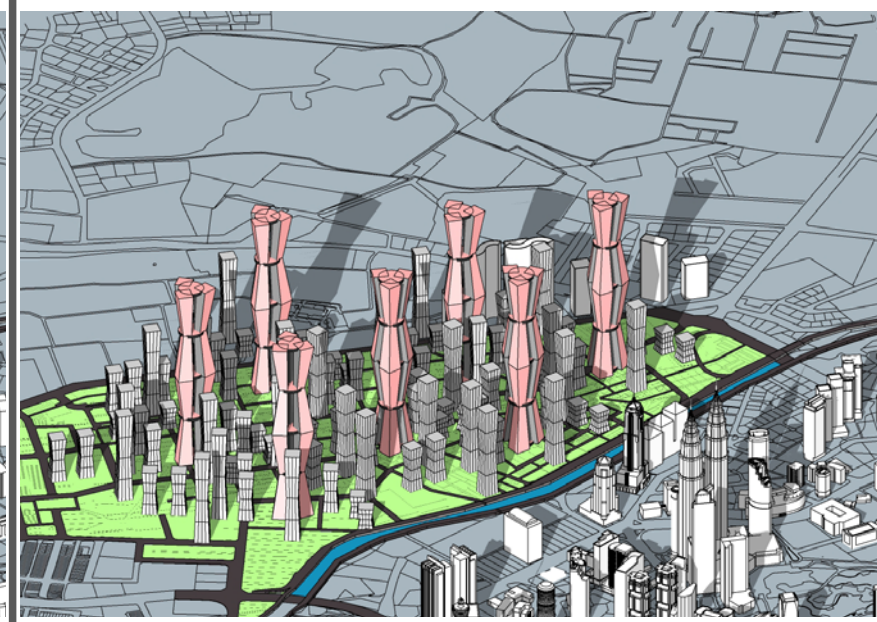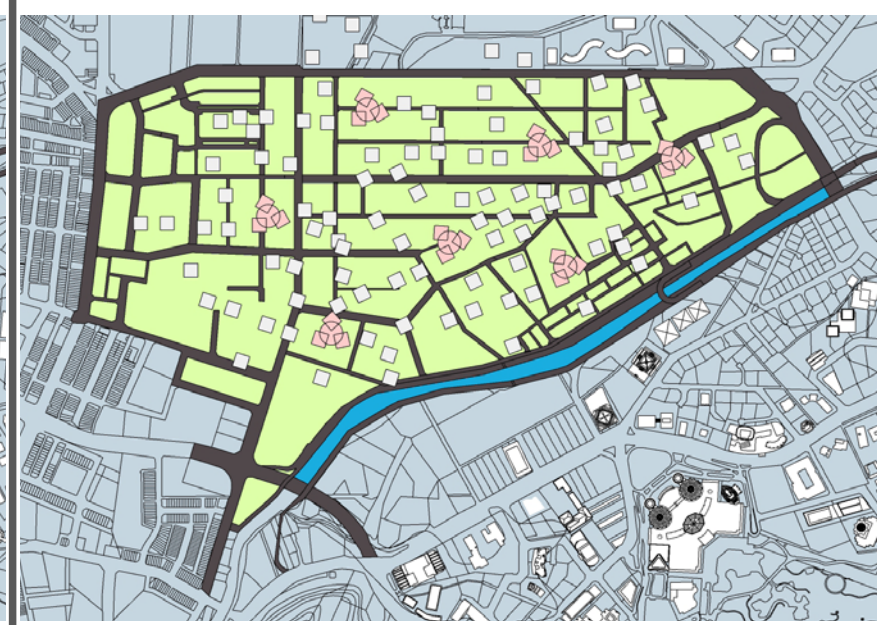
The smaller towers are then further deconstructed into various heights, the main buildings however will retain its mass and acts as the slender villages.

MASTER PLAN

CHOW KIT

CONSOLIDATION
The seven villages of Kampong Bharu shall be consolidated into tall sub-city towers, each with a specialised function. There will be slender tower complexes surrounding the iconic towers as well.
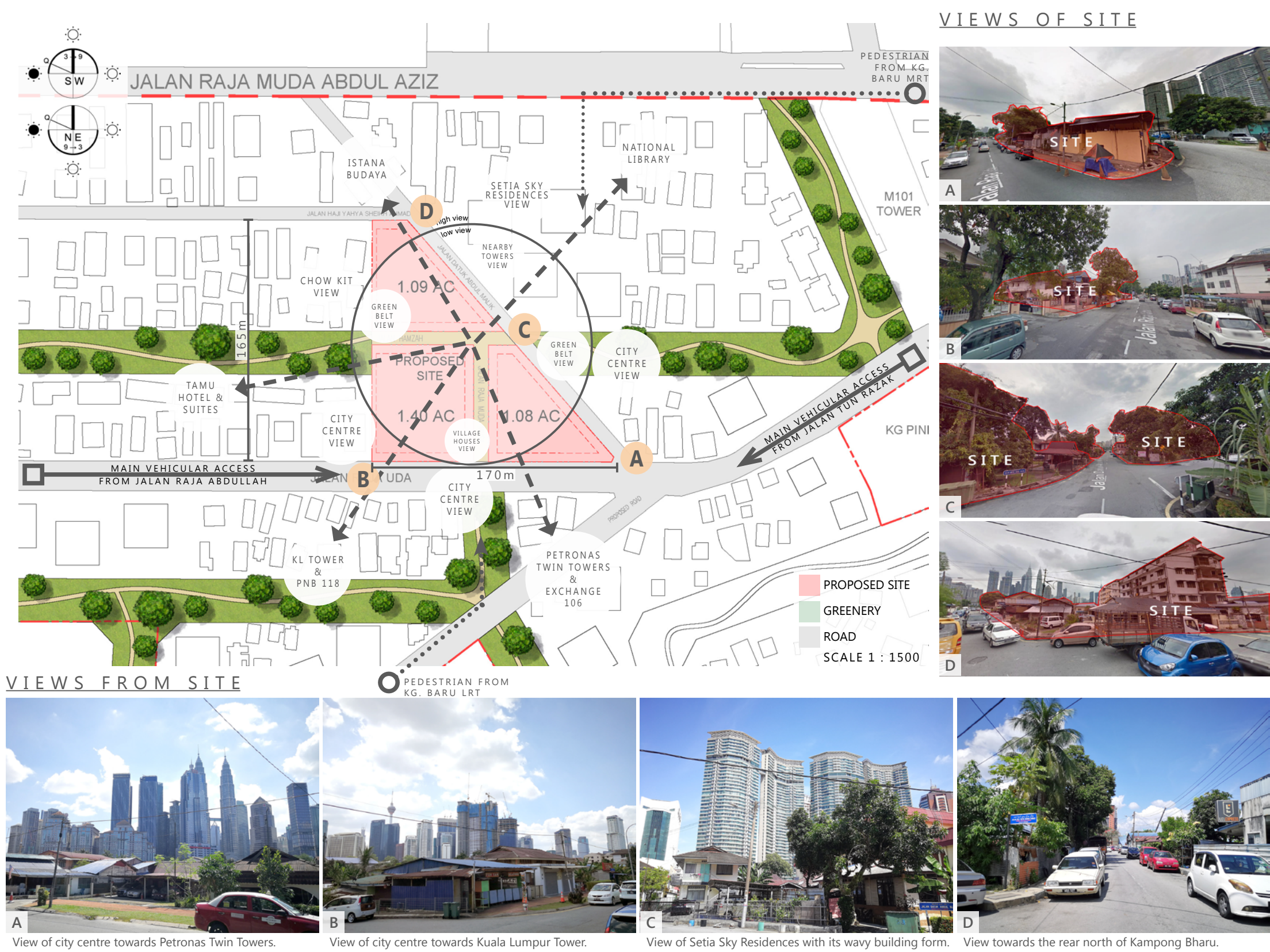
ICONIC NODES
The seven towers will be located along the proposed green belt that connects all the historical buildings of Kg Bharu.

PRESERVATION
The rest of the lands shall only be open for traditional houses as the air rights of these lands will be transfered to the towers.

SITE ANALYSIS & SYNTHESIS

JALAN RAJA MUDA ABDUL AZIZ

VIEWS OF SITE

PROPOSED SITE
GREENERY
ROAD
SCALE 1 : 1500

VIEWS FROM SITE

View of city centre towards Petronas Twin Towers.

View of city centre towards Kuala Lumpur Tower.

View of Setia Sky Residences with its wavy building form.

View towards the rear north of Kampong Bharu.

DESIGN APPROACH

BASE DESIGN

THREE-WINGED BUTTRESSED CORE
+
HOLLOW BASE

BASE PLANNING

Equilateral Tri-winged Layout
120° degrees on all sides that forms a balanced layout that provides the strongest structure.

Tilted to Fit
The layout was then tilted 10° degrees anti-clockwise to fit into the site.

Opening Spaces
The remaining untouched ground spaces shall be used for urban placemaking, there will not be any boundaries surrounding the development as it is to create seamless city boundaries

Sunken Ground
The ground will be lowered on the centre to expand visual space.

Wing Functions
Tower wings are to be named as shown on the left. Each wing will have its designated functions on specific floors. Express elevators that will lead visitors to the designated floors.

Public function
Residential
Commercial
Green Pods
Green Space

SPACE PROGRAMMING

SECTIONAL DESIGN

SKYDECK
TOP SECTION Sky Hub
SKYLOBBY
MIDSECTION Central Hub
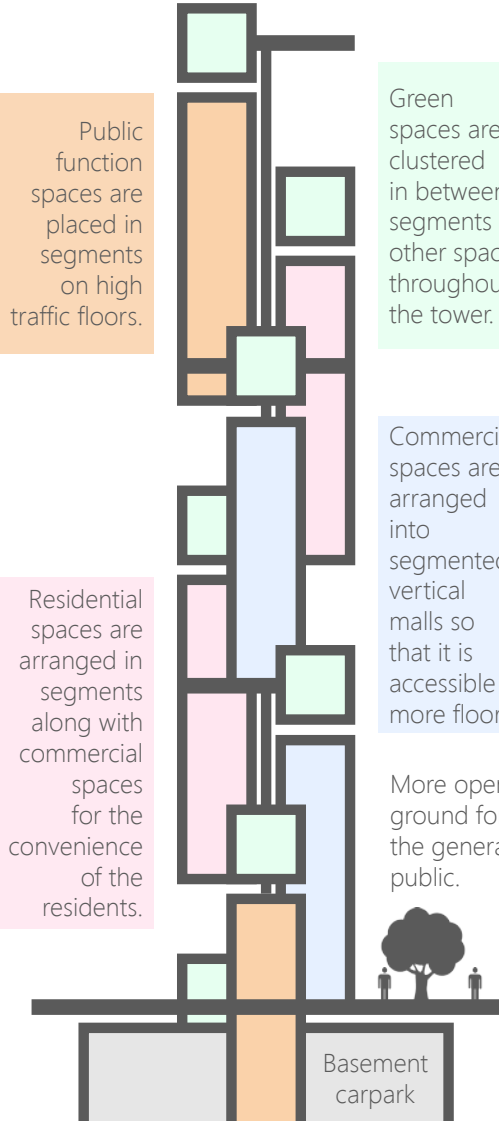SKYLOBBY
BASE Public Hub
BASEMENT
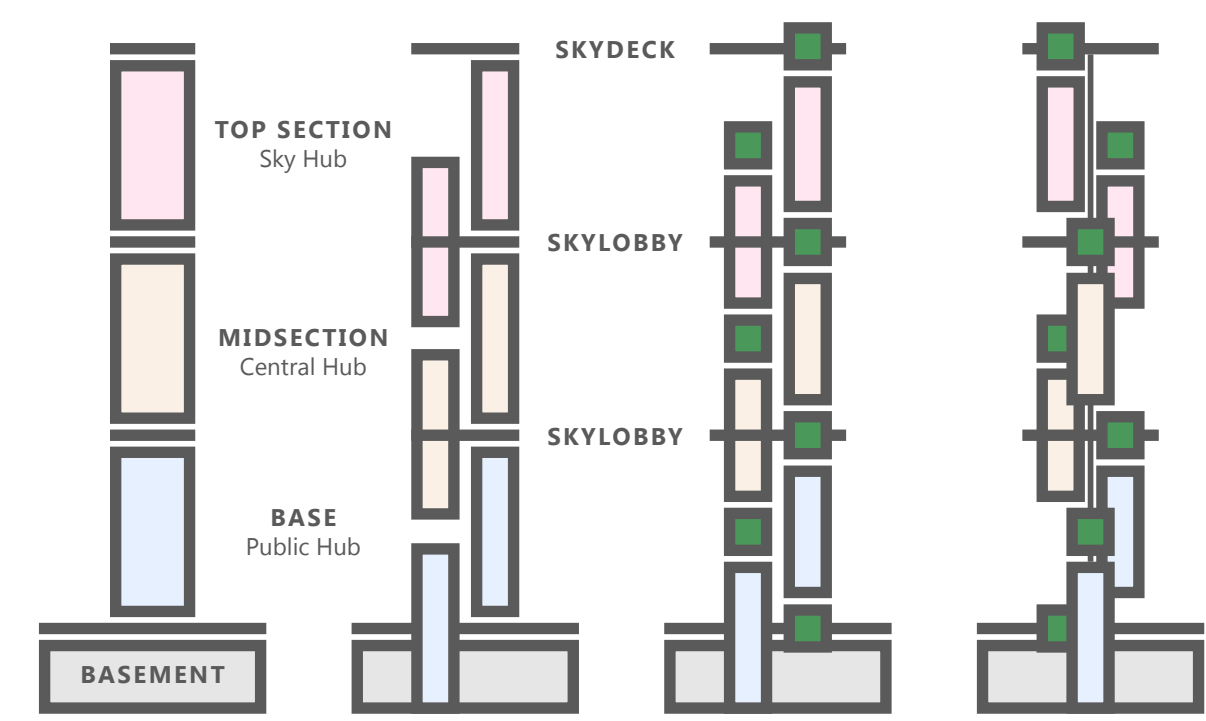
Division
The tower will be divided into 3 equal portions with 2 sky lobbie. Each portion is a self-sustaining hub, it is like towers within a massive tower.
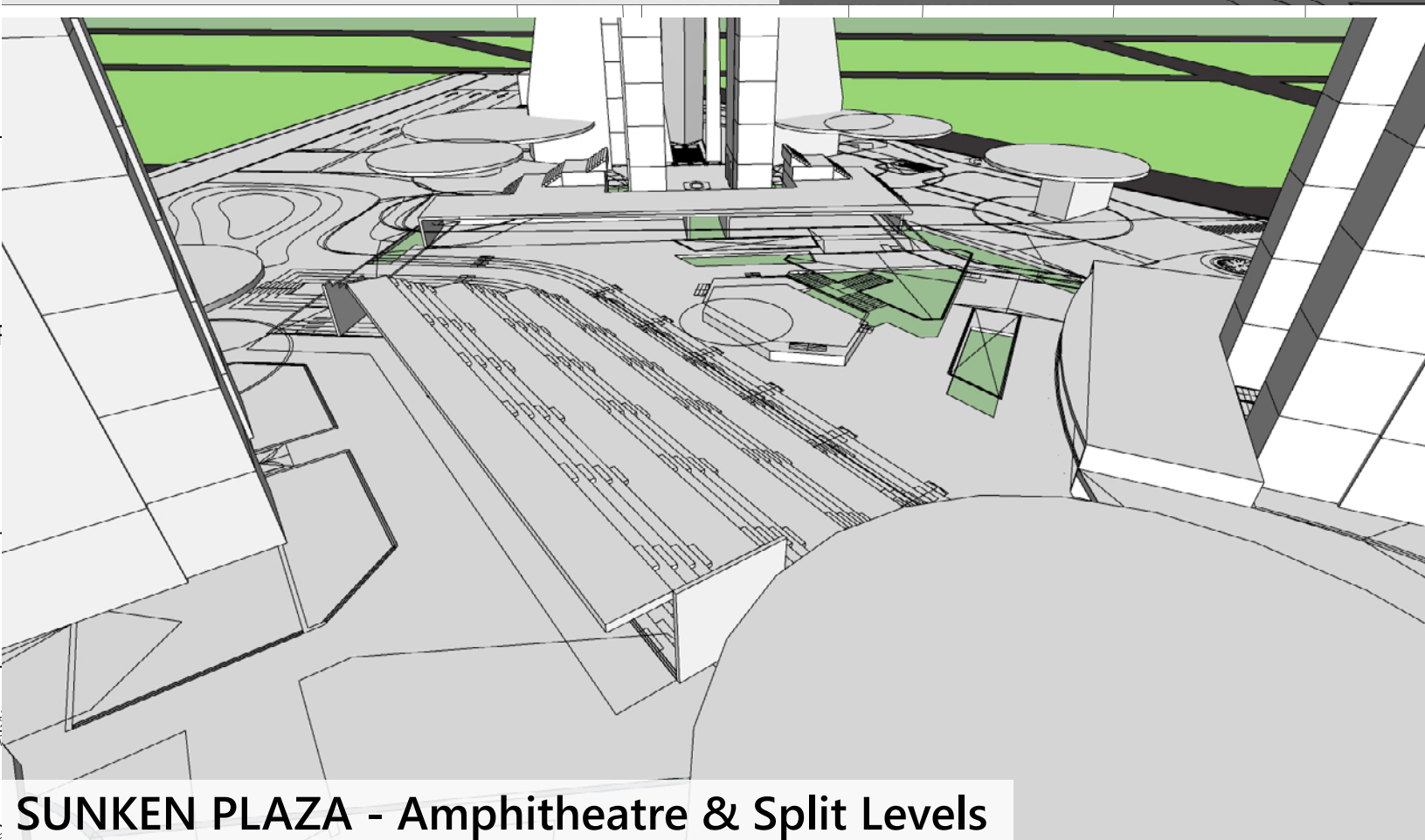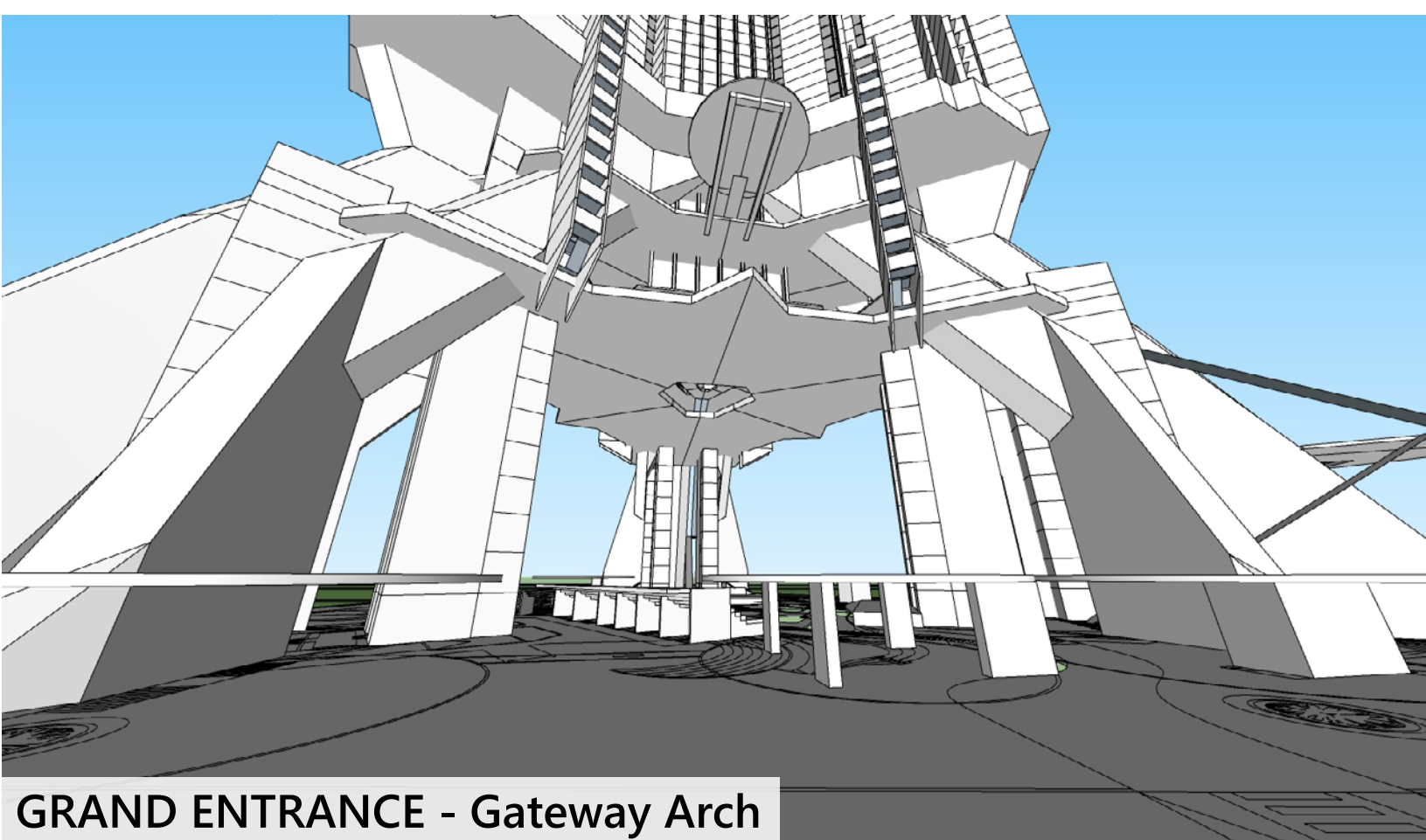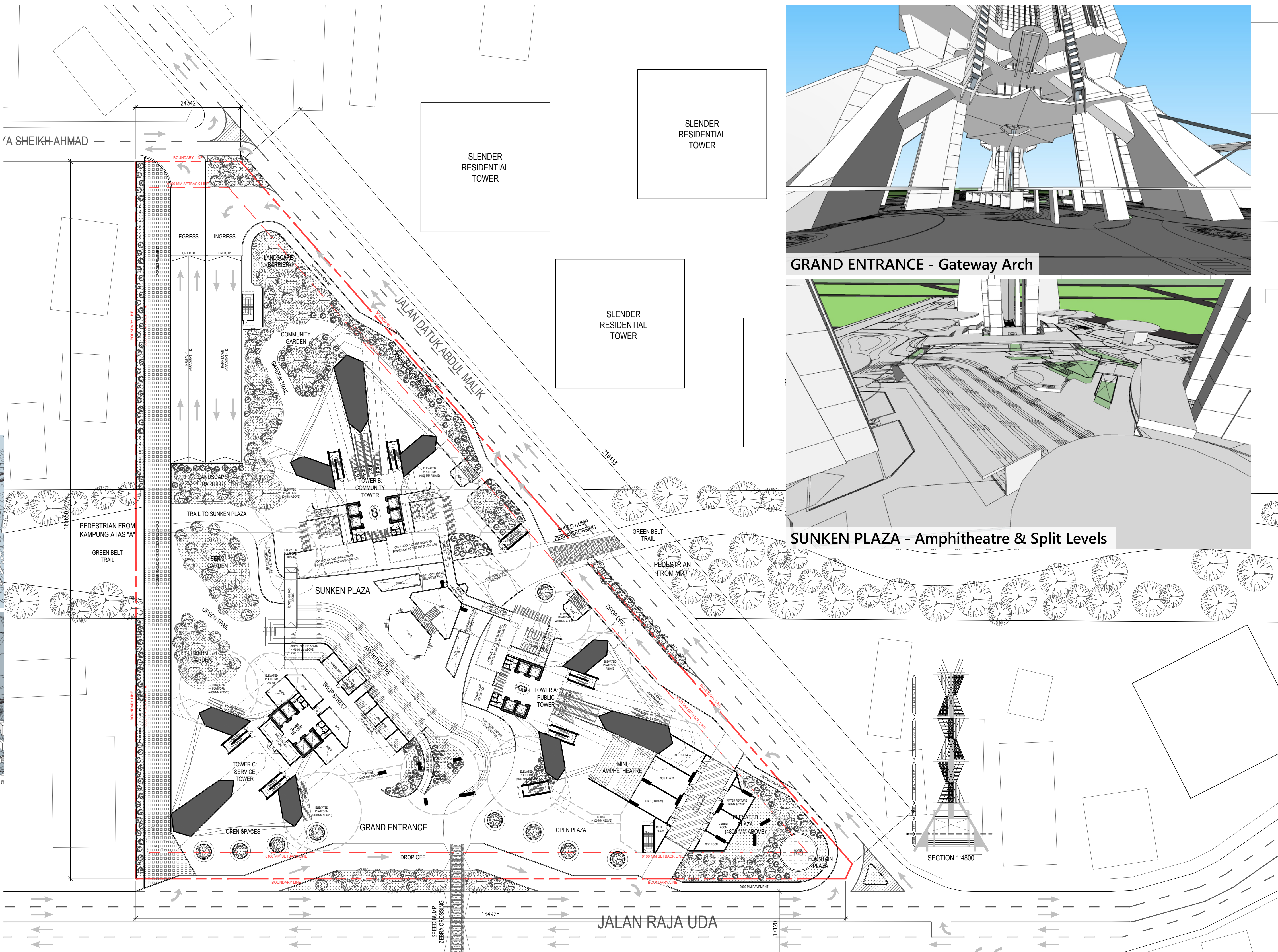
Segmentation
Each portion is then segmented into 2 parts, totalling of 6 parts. They are then arranged in a spiral fashion interlocking with immediate

Clusterisation
Clusters of open spaces will be squeezed in between segments to evenly spread open spaces throughout the tower.

Tri-winged
The tower is then configured in a tri-winged layout based on the study above. The segments and clusters will be arranged in a spiral fashion.

RESIDENTIAL QUARTERS
1100+ units
400 - 1000 sqft

COMMERCE CENTRES
550+ units
400 - 2000 sqft

OFFICE COMPLEXES
350+ units
1000 - 4500 sqft

PUBLIC SPACES
TOWNHALL COMMUNITY HUB AMPHITHEATRE VIEWING DECKS

GREEN SPACES
PARKS GARDENS PLAYGROUNDS

Public function spaces are placed in segments on high traffic floors.

Green spaces are clustered in between segments of other spaces throughout the tower.

Commercial spaces are arranged into segmented vertical malls so that it is accessible more floors.

Residential spaces are arranged in segments along with commercial spaces for the convenience of the residents.

More open ground for the general public.

Basement carpark

GRAND ENTRANCE - Gateway Arch

SUNKEN PLAZA - Amphitheatre & Split Levels

Ground Floor Plan (Main Plaza)

- YA SHEIKH AHMAD
- JALAN DATUK ABDUL MALIK
- JALAN RAJA UDA
- ROAD
- SLENDER RESIDENTIAL TOWER
- SLENDER RESIDENTIAL TOWER
- SLENDER RESIDENTIAL TOWER
- EGRESS
- INGRESS
- LANDSCAPE (BARRIER)
- COMMUNITY GARDEN
- GREEN TRAIL
- TRAIL TO SUNKEN PLAZA
- LANDSCAPE (BARRIER)
- PEDESTRIAN FROM KAMPUNG ATAS "A"
- GREEN BELT TRAIL
- BERM GARDEN
- GREEN TRAIL
- BERM GARDEN
- SUNKEN PLAZA
- TOWER B: COMMUNITY TOWER
- AMPHITHEATRE
- SKOB STREET
- TOWER A: PUBLIC TOWER
- TOWER C: SERVICE TOWER
- MINI AMPHITHEATRE
- OPEN SPACES
- GRAND ENTRANCE
- OPEN PLAZA
- FOUNTAIN PLAZA
- DROP OFF
- DROP OFF
- SPEED BUMP ZEBRA CROSSING
- GREEN BELT TRAIL
- PEDESTRIAN FROM MRT
- PEDESTRIAN FROM LRT & KLCC
- GREEN BELT TRAIL
- SECTION 1:4800

1 GROUND FLOOR PLAN
- MAIN PLAZA
   SCALE 1:600

Basement 2 Plan

- COMMERCIAL: 15CP (4 OKU)
- COMMERCIAL: 75 MP
- TOTAL 159CP
- RESIDENTS: 144 CP (23 TANDEM, 8 OKU)
- TOWER B: COMMUNITY TOWER
- TOWER A: PUBLIC TOWER
- TOWER C: SERVICE TOWER
- WAREHOUSE STORAGE
- RESIDENTS: 121 MP
- SECTION 1:4800
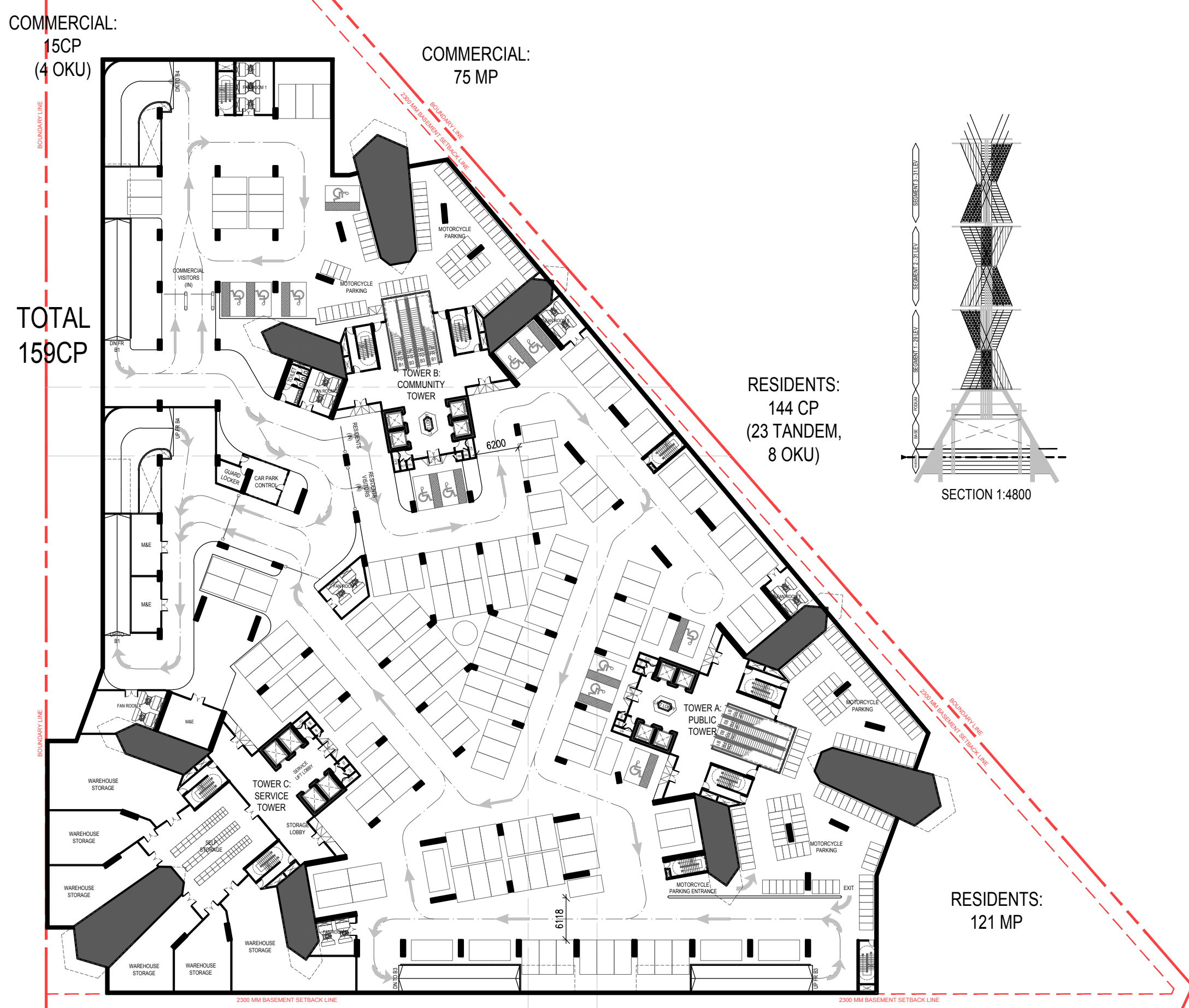
1 BASEMENT 2 PLAN
- RESIDENTIAL CAR PARK [FFL: -8.00]
   SCALE 1:600

Basement 1 Plan

- COMMERCIAL: 48 MP
- TOWER B: COMMUNITY TOWER
- TOWER A: PUBLIC TOWER
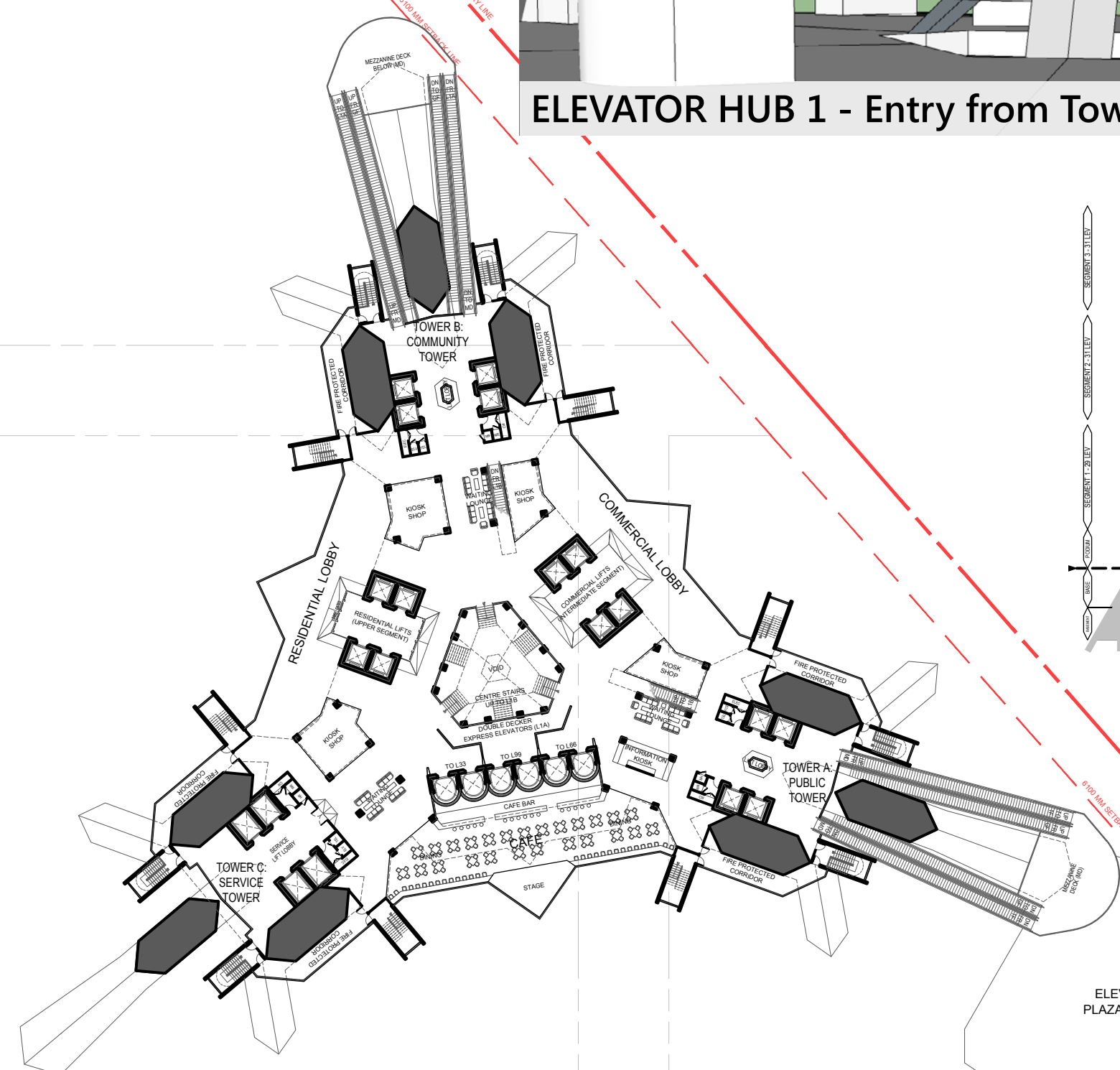- TOWER C: SERVICE TOWER
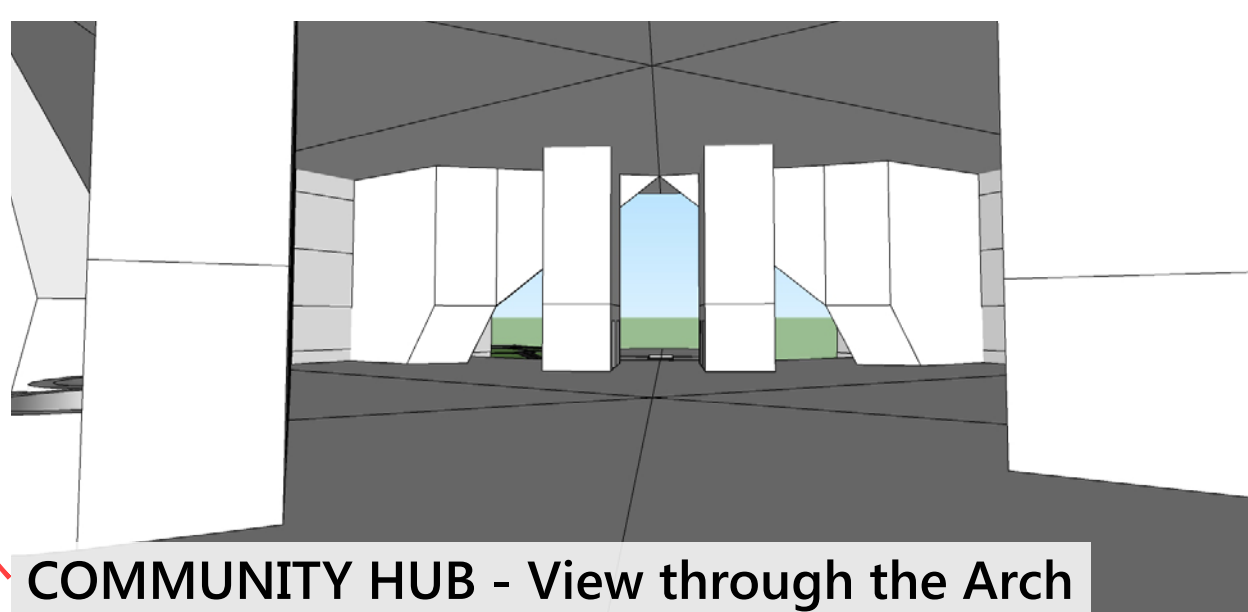- FOOD COURT
- SECTION 1:4800
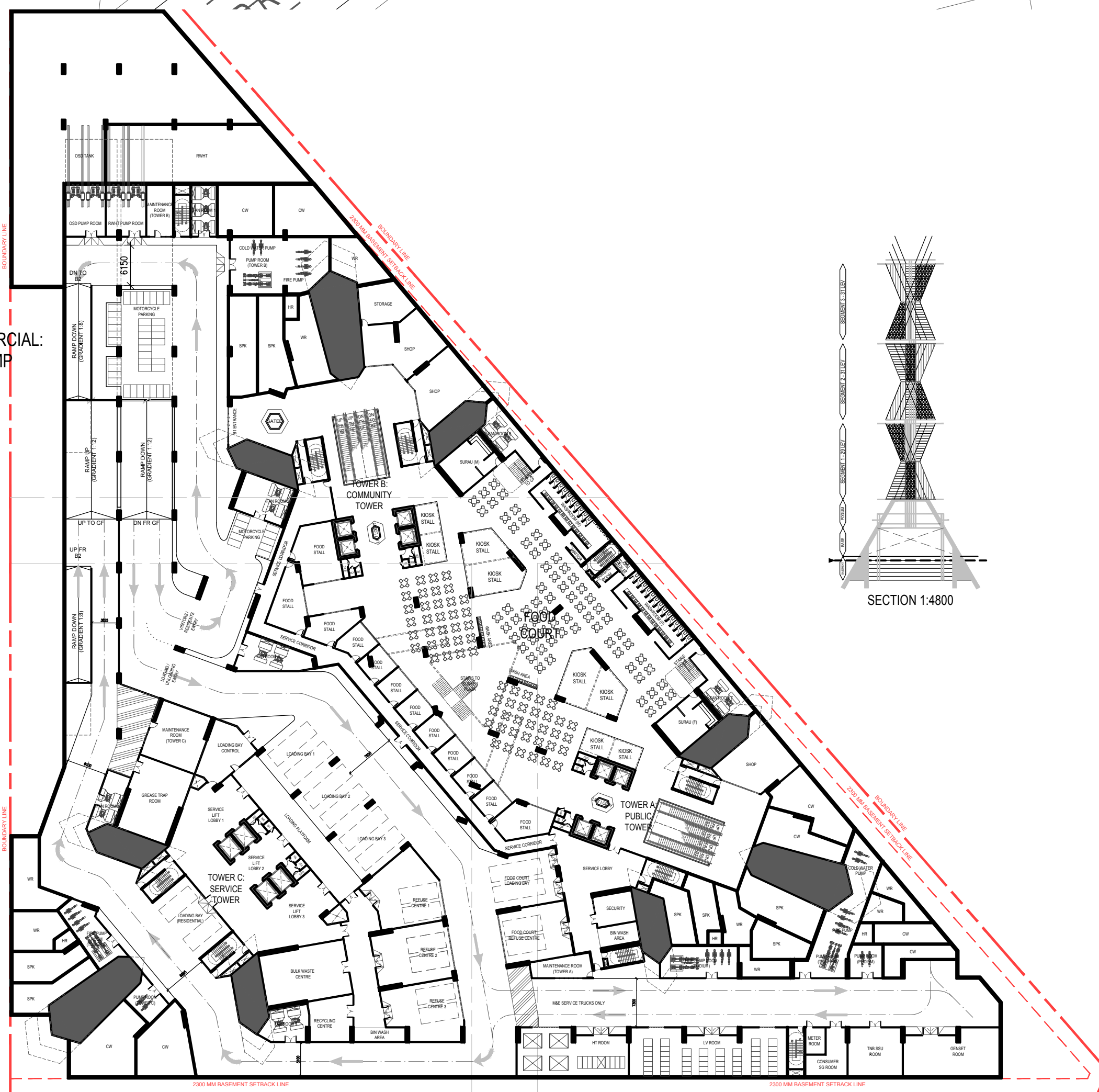
1 BASEMENT 1 PLAN
- RESIDENTIAL CAR PARK [FFL: -4.80]
   SCALE 1:600
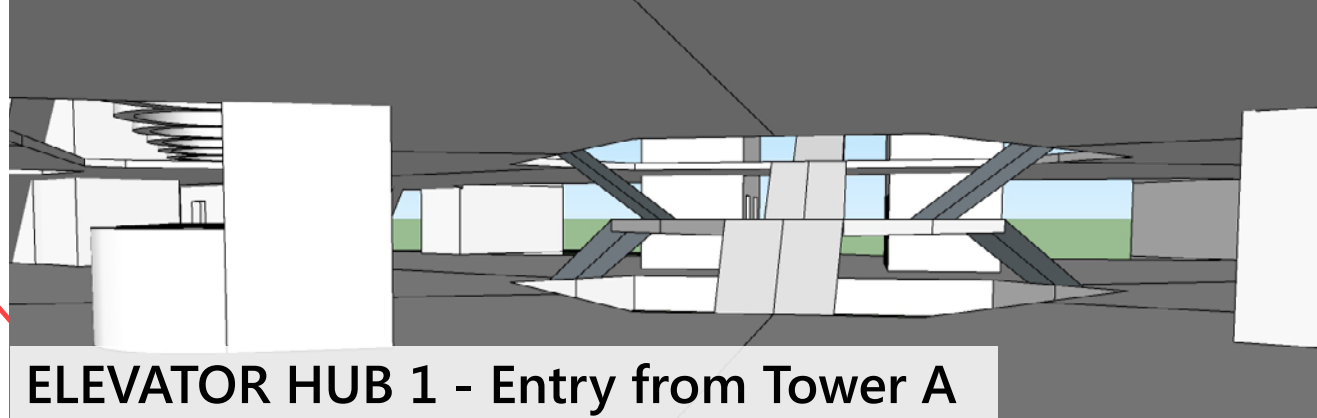
ELEVATOR HUB 1 - Entry from Tower A

ELEVATOR HUB 2 - Centre Stairs
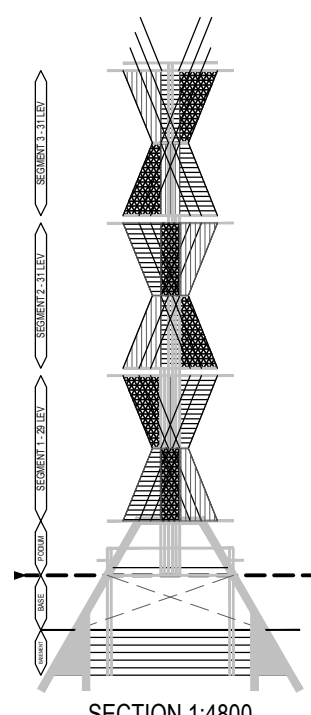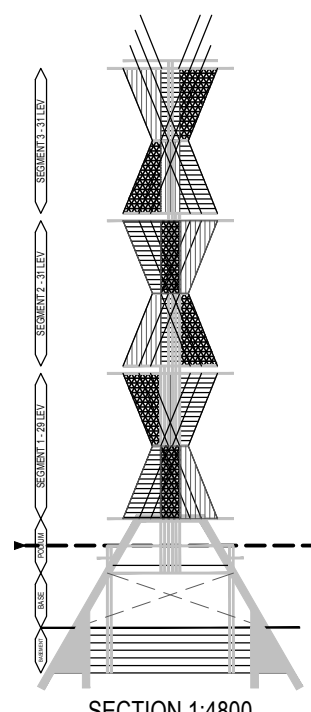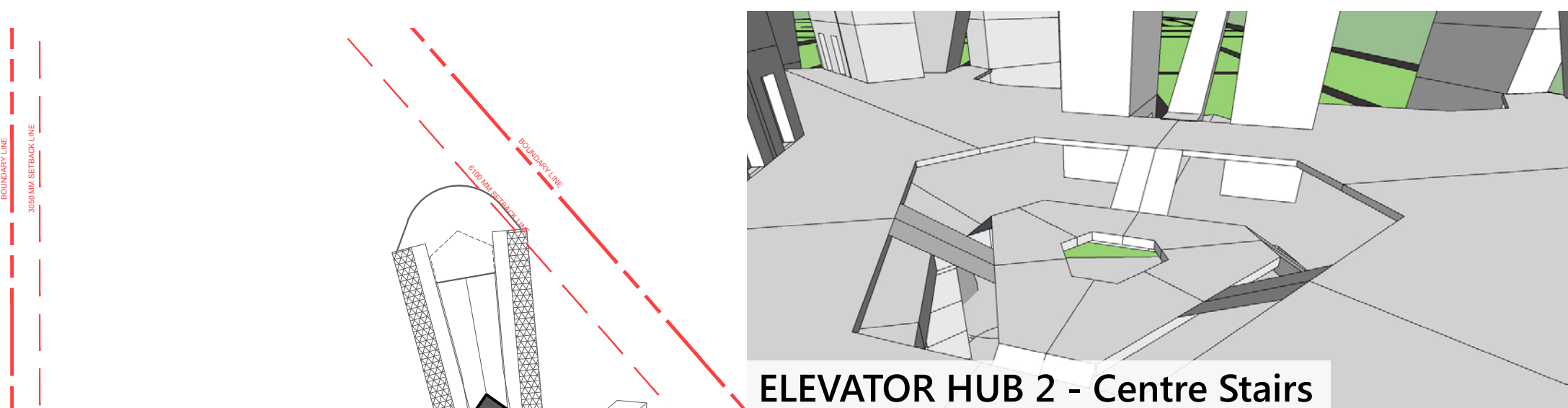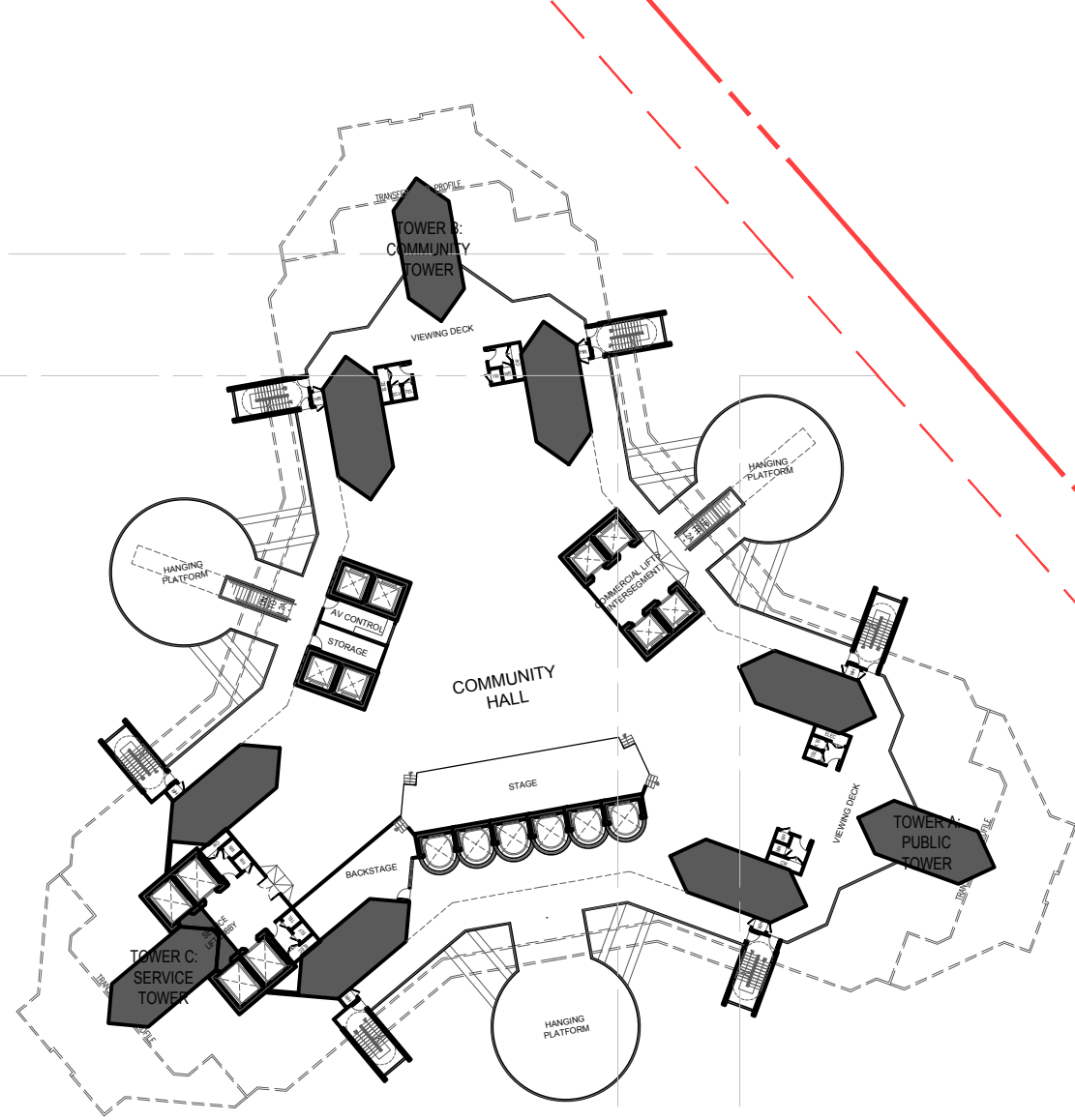
SECTION 1:4800

SECTION 1:4800

4 | LEVEL 1A
— | ELEVATOR HUB A [FFL: +30.60]
SCALE 1:400
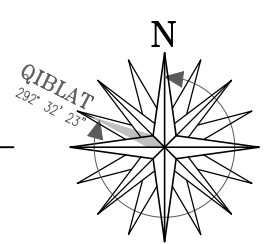
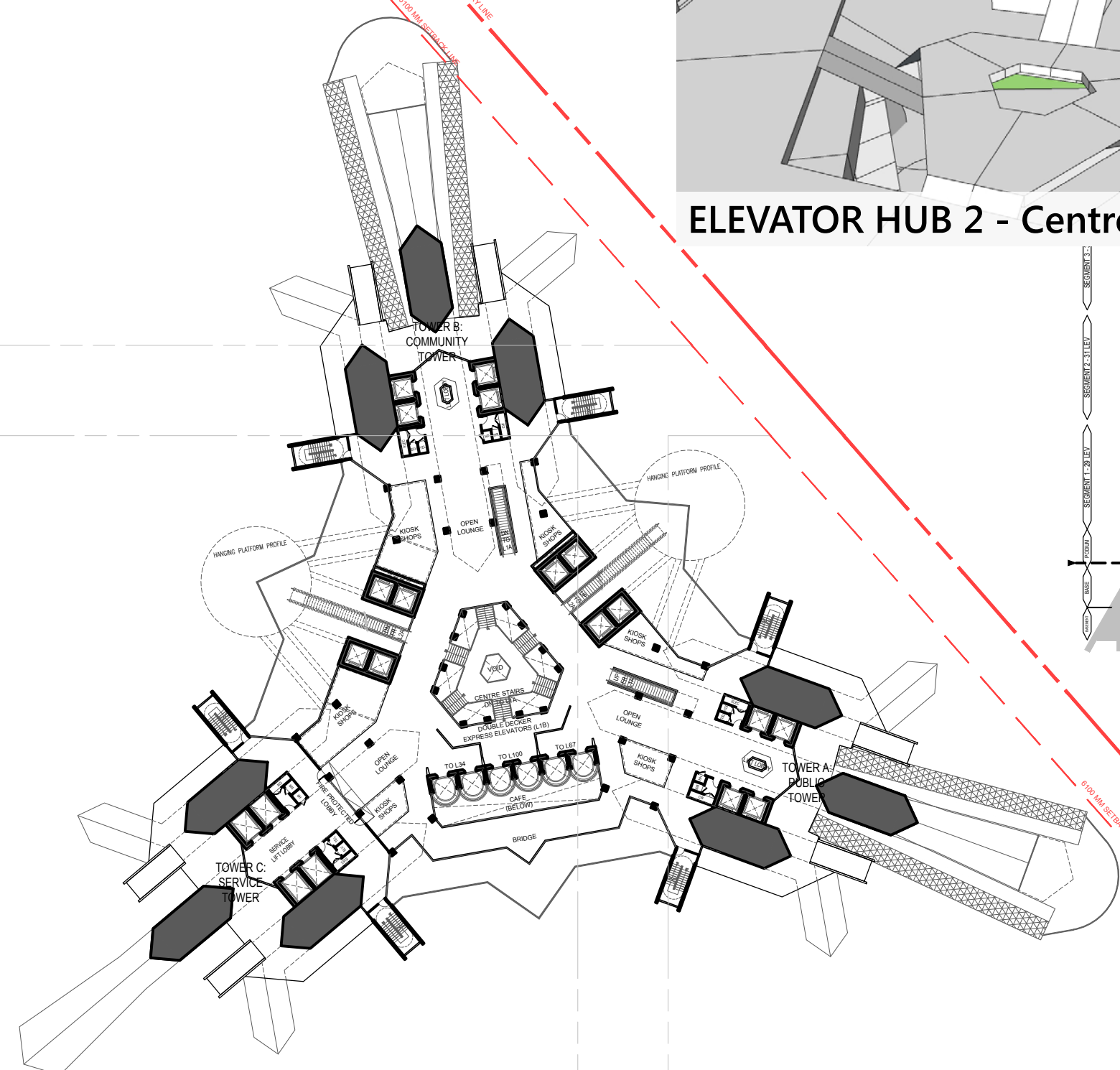COMMUNITY HUB - View through the Arch
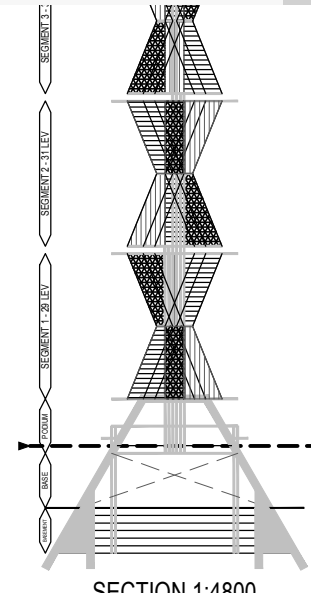
5 | LEVEL 1B
— | ELEVATOR HUB B [FFL: +33.80]
SCALE 1:400
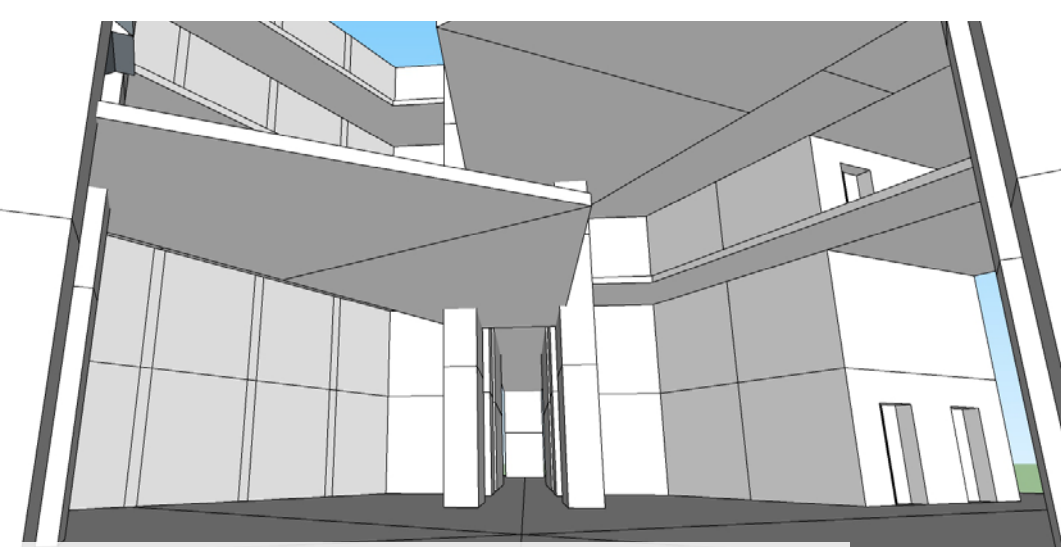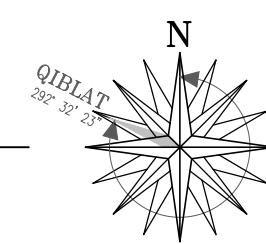
PODIUM - Tower Connector Above
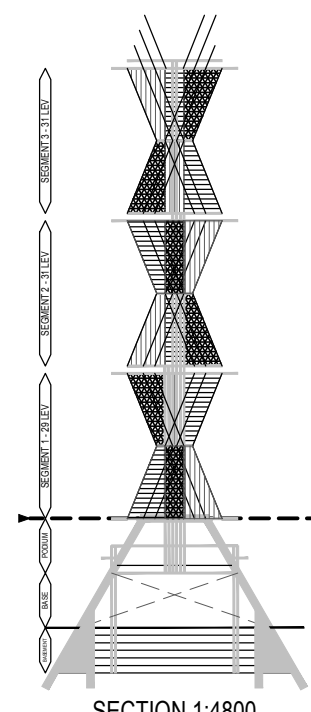
SECTION 1:4800
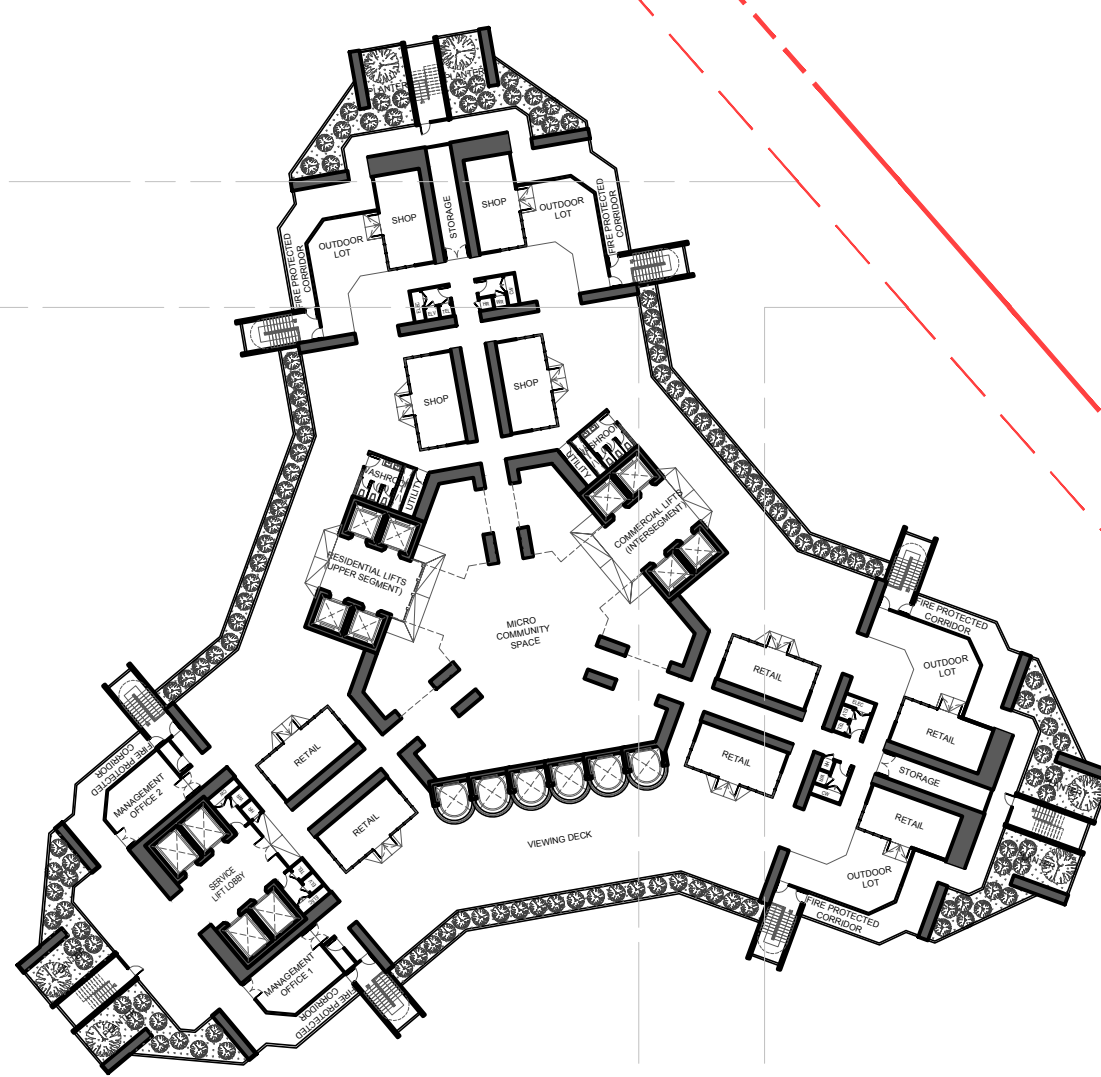
SECTION 1:4800

6 | LEVEL 2
— | COMMUNITY HUB [FFL: +45.90]
SCALE 1:400
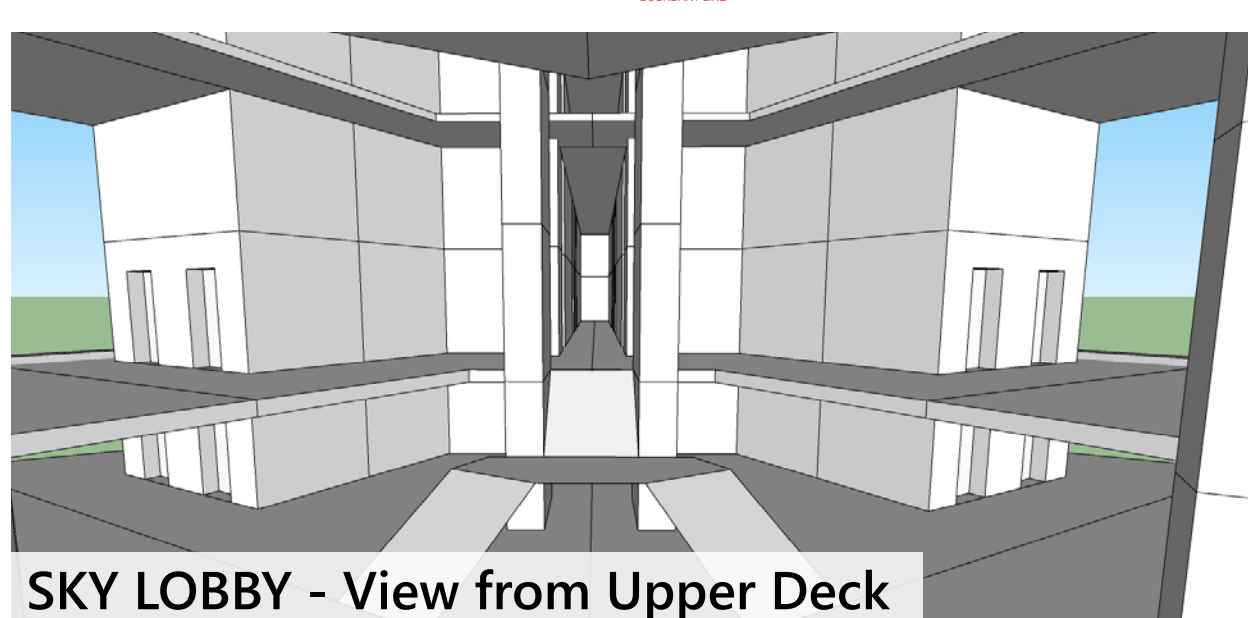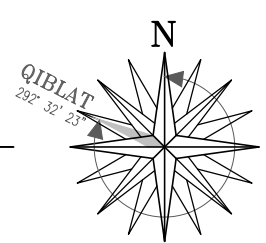
SKY LOBBY - View from Upper Deck
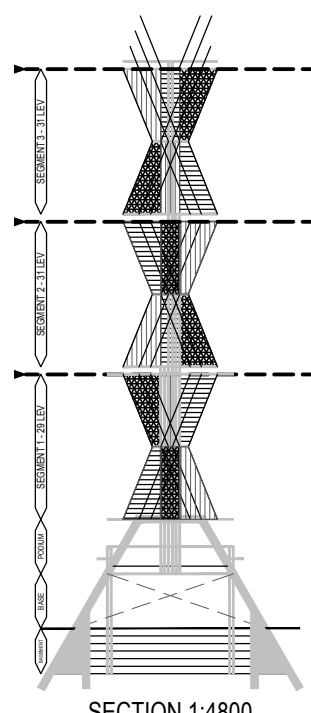
7 | LEVEL 3
— | PODIUM [FFL: +61.20]
SCALE 1:400
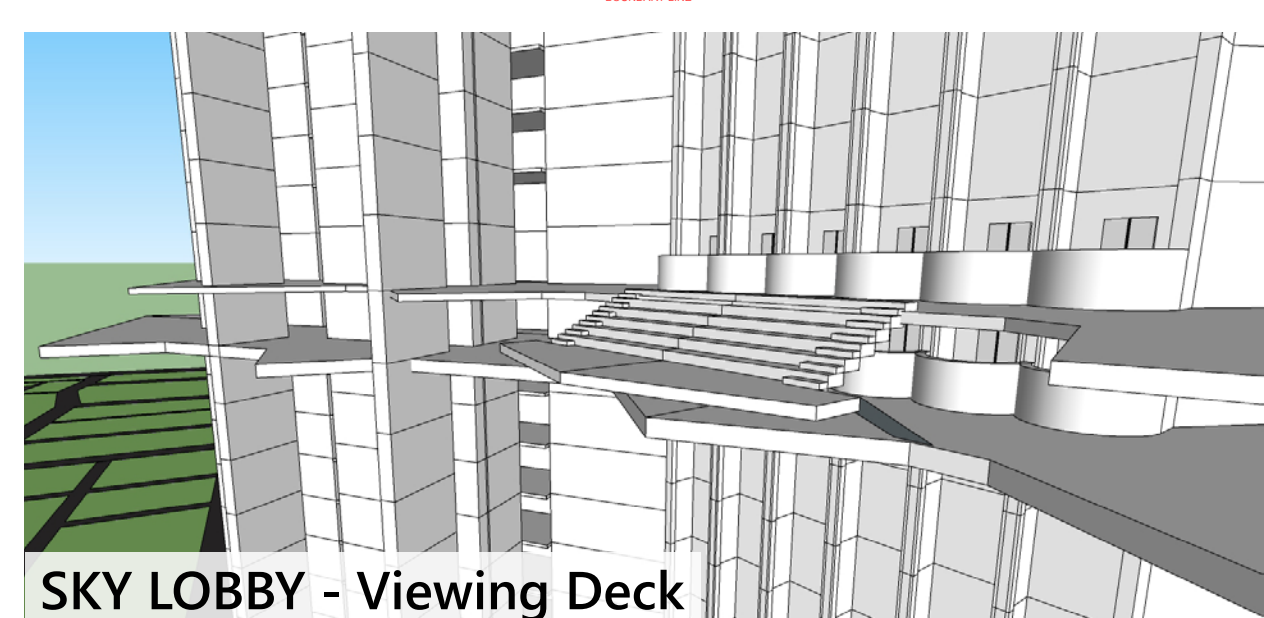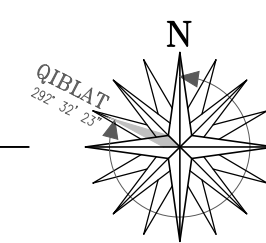
SKY LOBBY - Viewing Deck
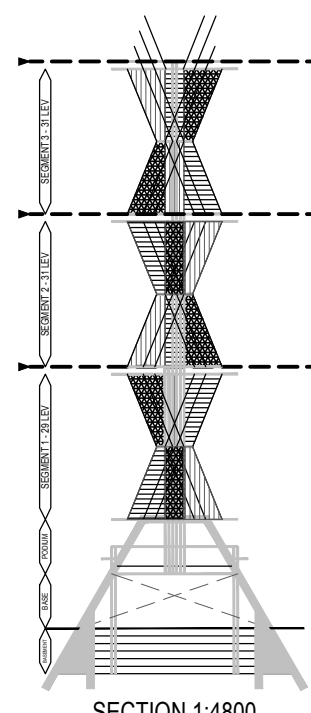
SECTION 1:4800

SECTION 1:4800

8 | LEVEL 33, 66 & 99
— | SKY LOBBY (LOWER) [FFL: +157.20]
SCALE 1:400

9 | LEVEL 34, 67, 100
— | SKY LOBBY (UPPER) [FFL: +371.60]
SCALE 1:400

PETRONAS TWIN TOWERS GFA
4,252,000 sq ft / 395,023 sqm
Slender Village = 72.54% of Petronas Twin Towers

HEIGHT
SEGMENT 3 : 112.0 m
SEGMENT 2 : 108.8 m
SEGMENT 1 : 99.2 m
PODIUM : 30.6 m
BASE : 30.6 m

TOTAL : 381.2 m

* SPIRE = 400 m

Petronas Twin Towers 451.9 m
Slender Village = 88.52% of Petronas Twin Towers

6 RESIDENTIAL UNITS
6 RESIDENTIAL UNITS
6 COMMERCIAL LOTS
2 OFFICE LOTS
2 OFFICE LOTS
4 PUBLIC LOTS

SECTION 1:4800

10 — LEVEL 4 - 32, 35 - 65, 68 - 98
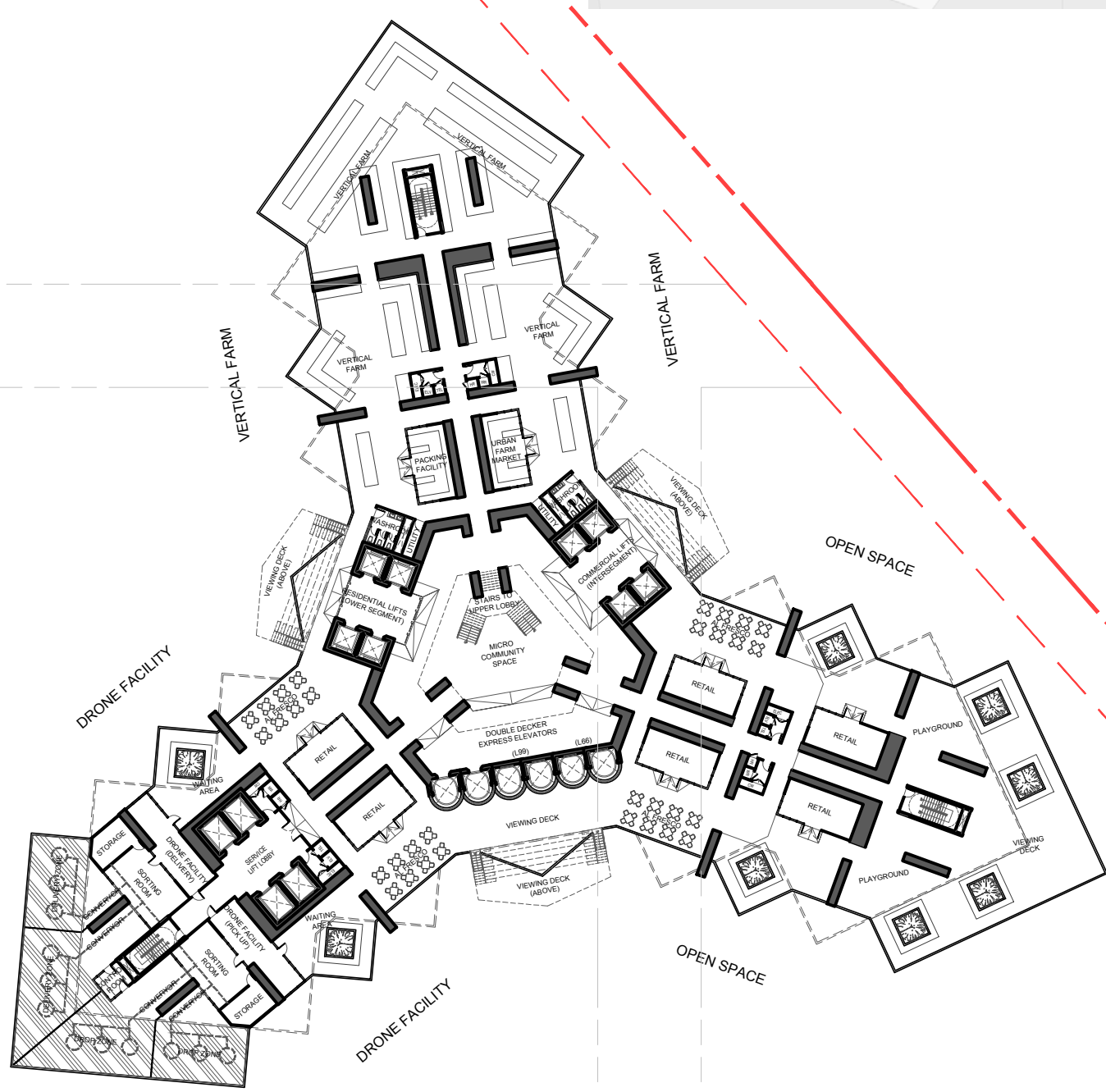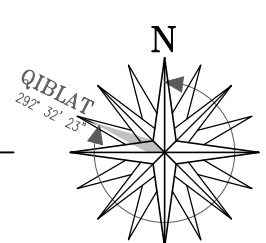TYPICAL TOWER PLAN
SCALE 1:400

N QIBLAT

SEGMENT 3 (31 LEVELS)
SEGMENT 2 (31 LEVELS)
SEGMENT 1 (29 LEVELS)
PODIUM (4 LEVELS)
BASE
BASEMENT

TOWER CONNECTOR - Alternating Centre Platforms

TOWER CONNECTOR - Axonometry View

ELEVATION - Max Footprint

TOWER BASE SECTION - Main Plaza with 30m high ceiling

WHOLE TOWER - Max Footprint

SCALE - In Comparison with Petronas Twin Towers

100 (SKY DECK B)
99 (SKY DECK A)
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83 (MID SEGMENT)
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67 (SKY LOBBY B)
66 (SKY LOBBY A)
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50 (MID SEGMENT)
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34 (SKY LOBBY B)
33 (SKY LOBBY A)
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18 (MID SEGMENT)
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TRANSFER PLATE
2F
1Fb
1Fa
GF
LG
B1
B2
B3
B4
B5
B6
B7
B8
B9

FFL: +371.60
SKY DECK B
SKY DECK A

RESIDENTIAL LIFT (UPPER SEGMENT)
COMMERCIAL LIFT (INTERMEDIATE SEGMENT)
RESIDENTIAL LIFT (UPPER SEGMENT)
COMMERCIAL LIFT (INTERMEDIATE SEGMENT)
RESIDENTIAL LIFT (UPPER SEGMENT)
COMMERCIAL LIFT (LOWER SEGMENT)

EXPRESS LIFT L99, 100
EXPRESS LIFT L66, 37
EXPRESS LIFT L33, 34

SKY LOBBY
SKY LOBBY

PODIUM
COMMUNITY HUB
FFL: +61.20
FFL: +45.90
FFL: +33.90 ELEVATOR HUB 2
FFL: +30.60 ELEVATOR HUB 1

STAIRS ESCALATOR ESCALATOR STAIRS
HANGING DECK ESCALATOR
SERVICE LIFT
STAIRS
VOID
LIFT BASE SEGMENT
STAIRS
SERVICES
SUNKEN SHOPS SUNKEN PLAZA SUNKEN SHOPS
FOOD COURT GROCERIES
CAR PARK
CAR PARK
CAR PARK