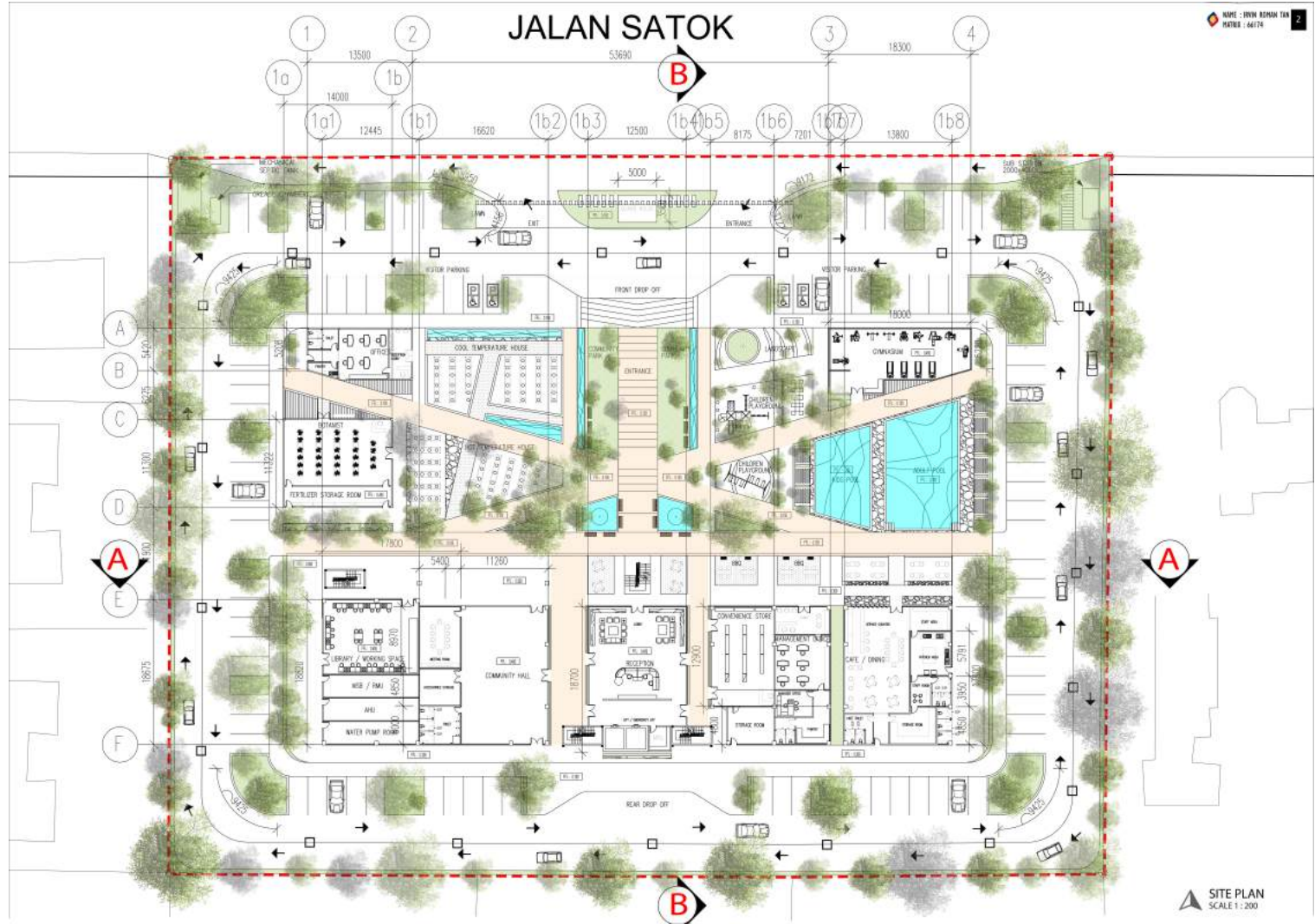


JALAN SATOK

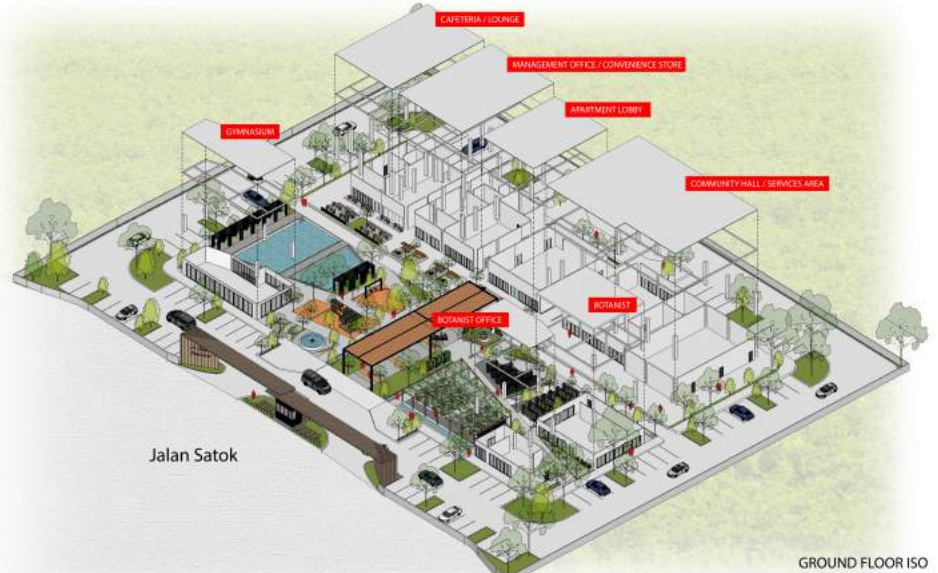


SITE PLAN
 SCALE 1 : 200

Form Development



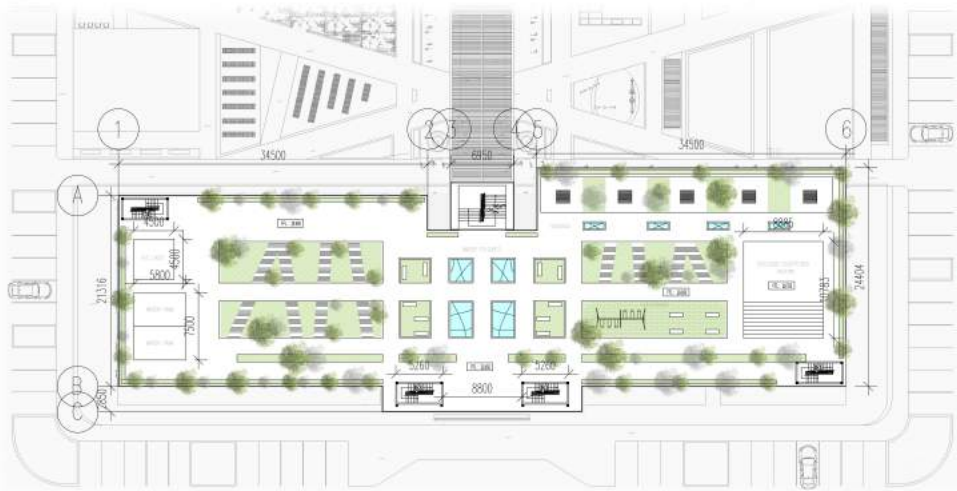
Sketch Massing Development



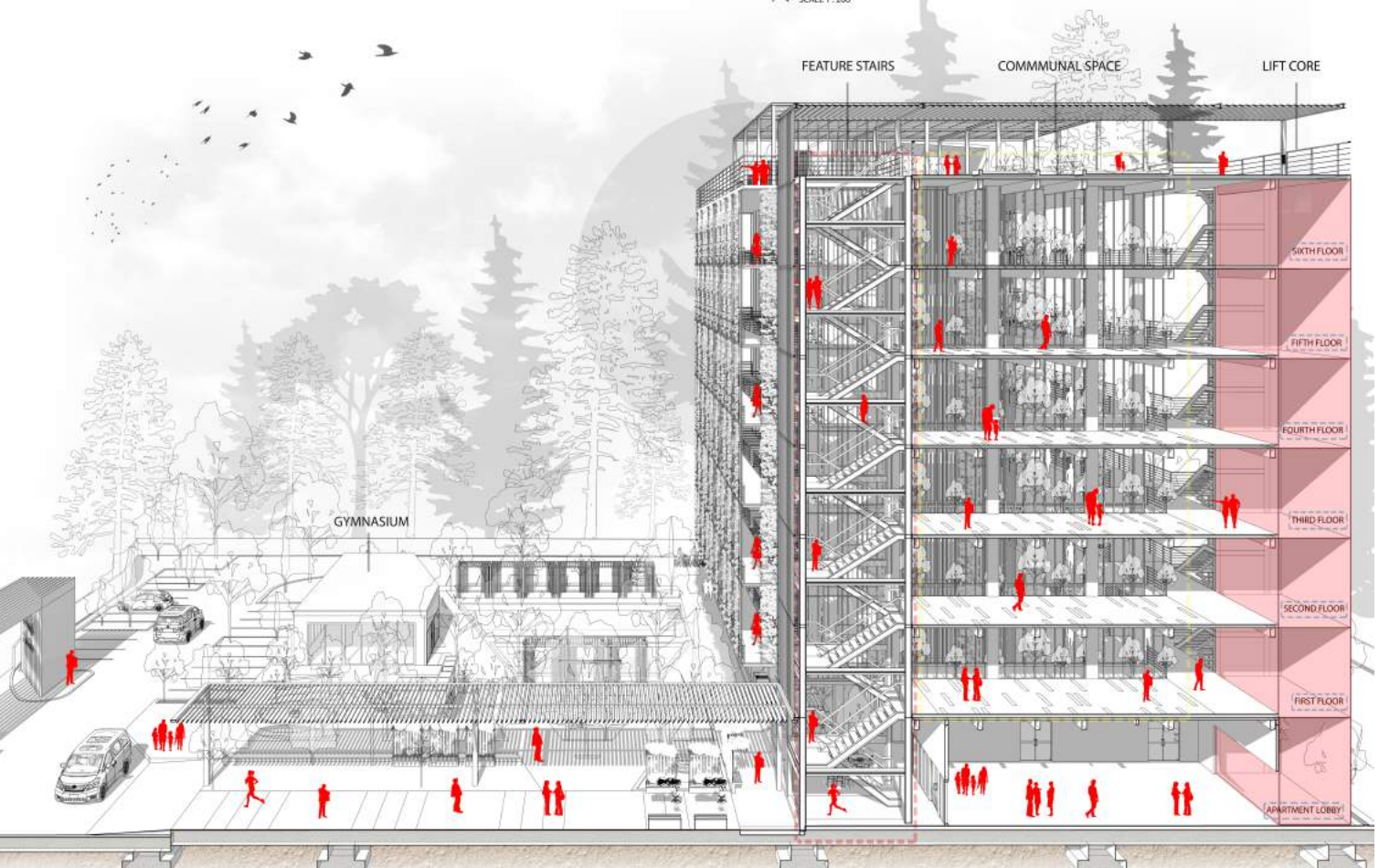
GROUND FLOOR ISO
 SCALE 1 : 300



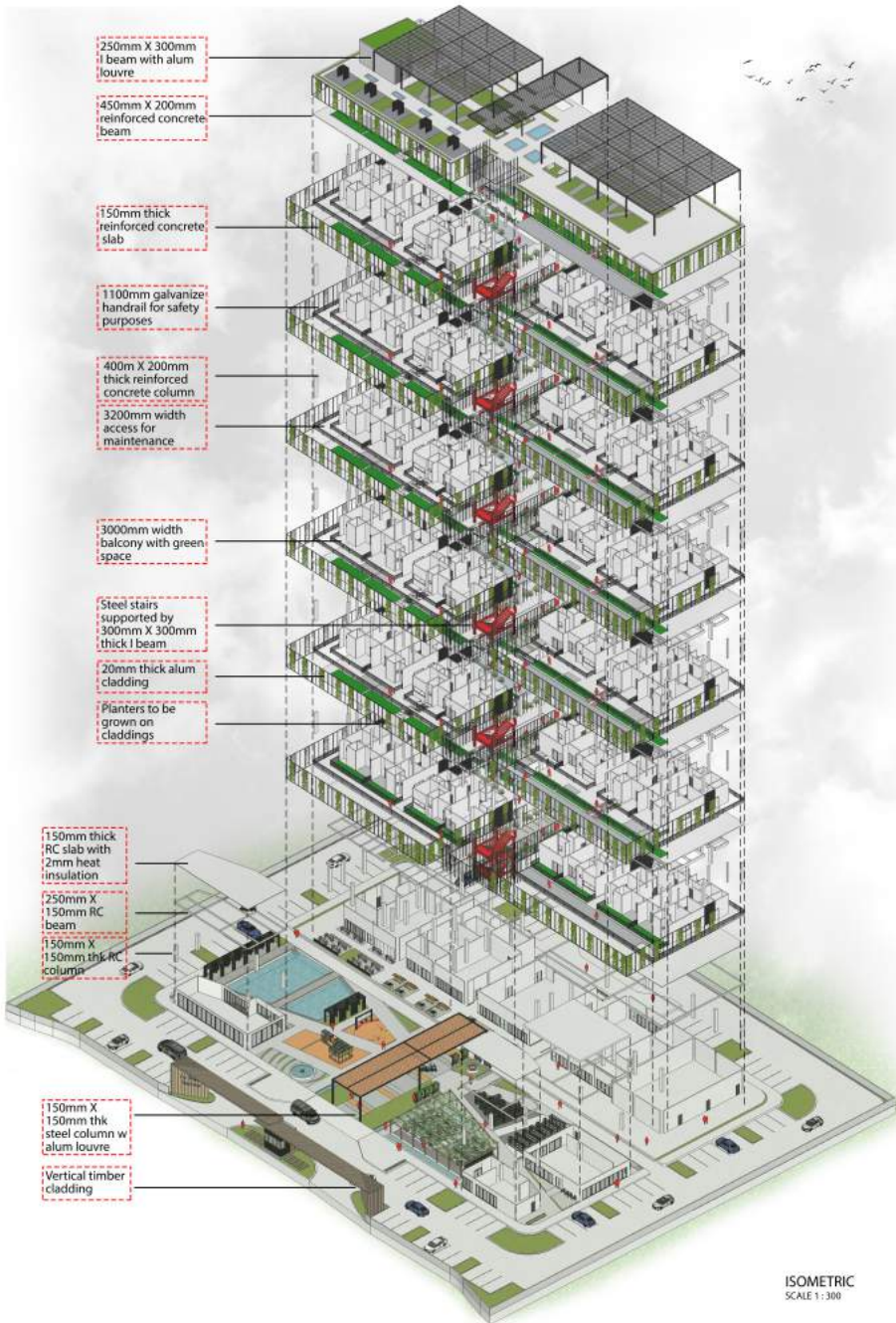
JUNGLE WITHIN URBAN CONTEXT
THE SCHEME EMPHASIZES ON THE QUALITY LIVING ON THE AIR THROUGH THE GREENERY WITHIN SITE. THE CARBON CONTENT TRANSFER ALSO ALLOW THE RESIDENTS TO ENJOY QUALITY OF LIVING WITH A MORE SUSTAINABLE LIFESTYLE. SPACES WITHIN AND OUT THE BUILDING ALLO WS THE JUNGLE EXPERIENCE ALL WITHIN THE SITE.



ROOF PLAN
SCALE 1 : 200



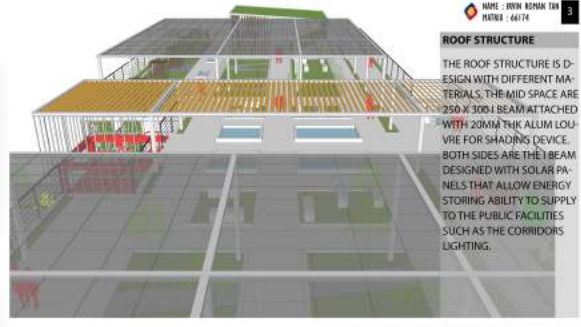
SECTIONAL PERSPECTIVE



- 250mm X 300mm I beam with alum louvre
- 450mm X 200mm reinforced concrete beam
- 150mm thick reinforced concrete slab
- 110mm galvanize handrail for safety purposes
- 400mm X 200mm thick reinforced concrete column
- 3200mm width access for maintenance
- 3000mm width balcony with green space
- Steel stairs supported by 300mm X 300mm thick I beam
- 20mm thick alum cladding
- Planters to be grown on claddings

- 150mm thick RC slab with 2mm heat insulation
- 250mm X 150mm RC beam
- 150mm X 150mm thick RC column
- 150mm X 150mm thick steel column w alum louvre
- Vertical timber cladding

ISOMETRIC SCALE 1:300



ROOF STRUCTURE
 THE ROOF STRUCTURE IS DESIGN WITH DIFFERENT MATERIALS. THE MID SPACE ARE 350 X 300 I BEAM ATTACHED WITH 20MM THK ALUM LOUVRE FOR SHADING DEVICE. BOTH SIDES ARE THE BEAM DESIGNED WITH SOLAR PANELS THAT ALLOW ENERGY STORING ABILITY TO SUPPLY TO THE PUBLIC FACILITIES SUCH AS THE CORRIDORS LIGHTING.



FACADE
 THE FACADE ARE DESIGNED WITH GREENERY COVERING PORTION OF THE BUILDING. PLANTED GREENERY ARE ATTACHED WITH WIRE MESH & INSTALLED WITHIN THE ALUM FRAME OF THE METAL CLADDING ON THE FACADE. ACTS AS A SHADING DEVICE YET ABLE TO NEUTRALIZE AIR QUALITY PASSING INTO THE BUILDING.



FEATURE STAIRS
 STAIRS ARE DESIGNED WITH THE EXPOSURE AND ALSO ABLE TO ALLOW NATURAL VENTILATION THROUGH THE CITY AXIS. THE STAIRS ALSO ACTS AS A CONNECTION OF COMMUNAL SPACE IN THE MIDDLE FROM THE ROOF TO THE GROUND FLOOR.



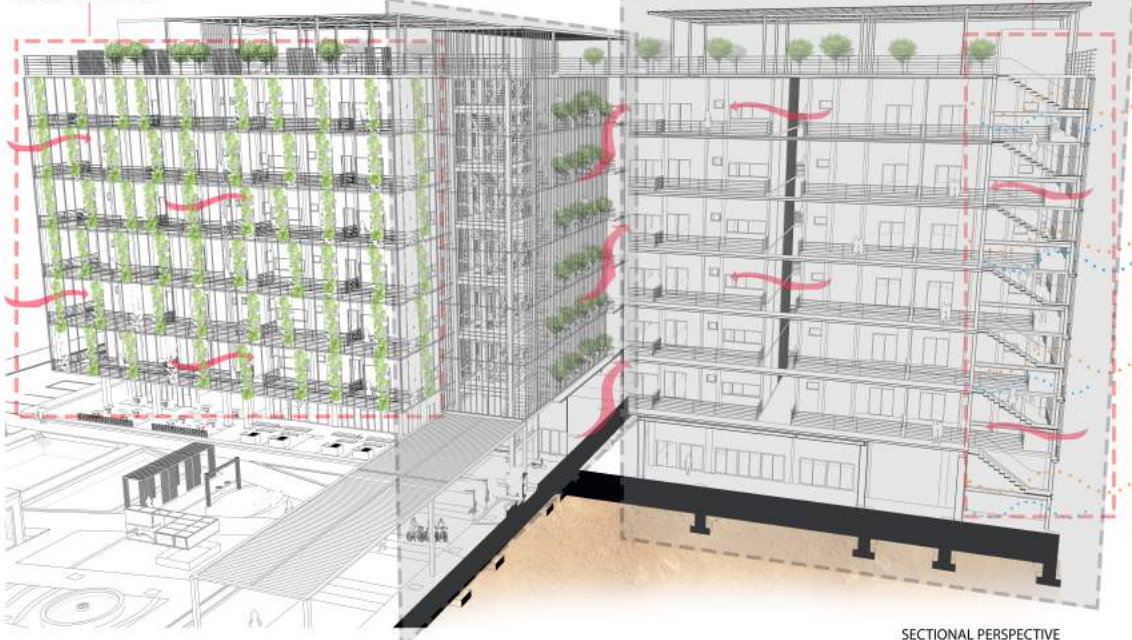
FOUNDATION
 THE STUMPS SIZE ARE 1200 X 1200 WITH A 500MM THICK AND A 10M PILING DEPTH ALLOW THE STRUCTURE TO SUPPORT THE VERTICAL LOAD FROM ROOF FIRMLY.

CROSS VENTILATION
 THE GREENERY ON THE CLADDING HELPS TO PROVIDE SHADE TOWARDS THE INNER SPACE. AIR TRAPPED WITHIN THE GREEN AREA SHALL PROVIDE COOLER AND FRESHER AIR TOWARDS THE INTERIOR SPACE. ELSE IT ALSO ABLE TO NEUTRALIZE THE AIR QUALITY WITHIN THE SITE.

SECTION A - A

SECTION B - B

PASSIVE DESIGN



SECTIONAL PERSPECTIVE SCALE 1:300

BUILDING SERVICES

DRY PIPE SYSTEMS

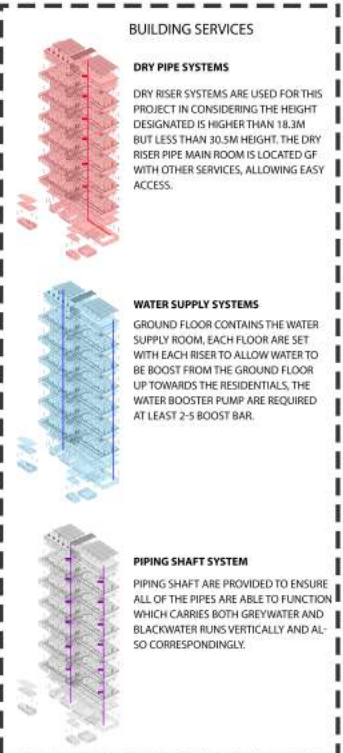
DRY RISER SYSTEMS ARE USED FOR THIS PROJECT IN CONSIDERING THE HEIGHT DESIGNATED IS HIGHER THAN 18.3M BUT LESS THAN 30.5M HEIGHT. THE DRY RISER PIPE MAIN ROOM IS LOCATED GF WITH OTHER SERVICES, ALLOWING EASY ACCESS.

WATER SUPPLY SYSTEMS

GROUND FLOOR CONTAINS THE WATER SUPPLY ROOM. EACH FLOOR ARE SET WITH EACH RISER TO ALLOW WATER TO BE BOOST FROM THE GROUND FLOOR UP TOWARDS THE RESIDENTIALS. THE WATER BOOSTER PUMP ARE REQUIRED AT LEAST 2-5 BOOST BAR.

PIPING SHAFT SYSTEM

PIPING SHAFT ARE PROVIDED TO ENSURE ALL OF THE PIPES ARE ABLE TO FUNCTION WHICH CARRIES BOTH GREYWATER AND BLACKWATER RUNS VERTICALLY AND ALSO CORRESPONDINGLY.

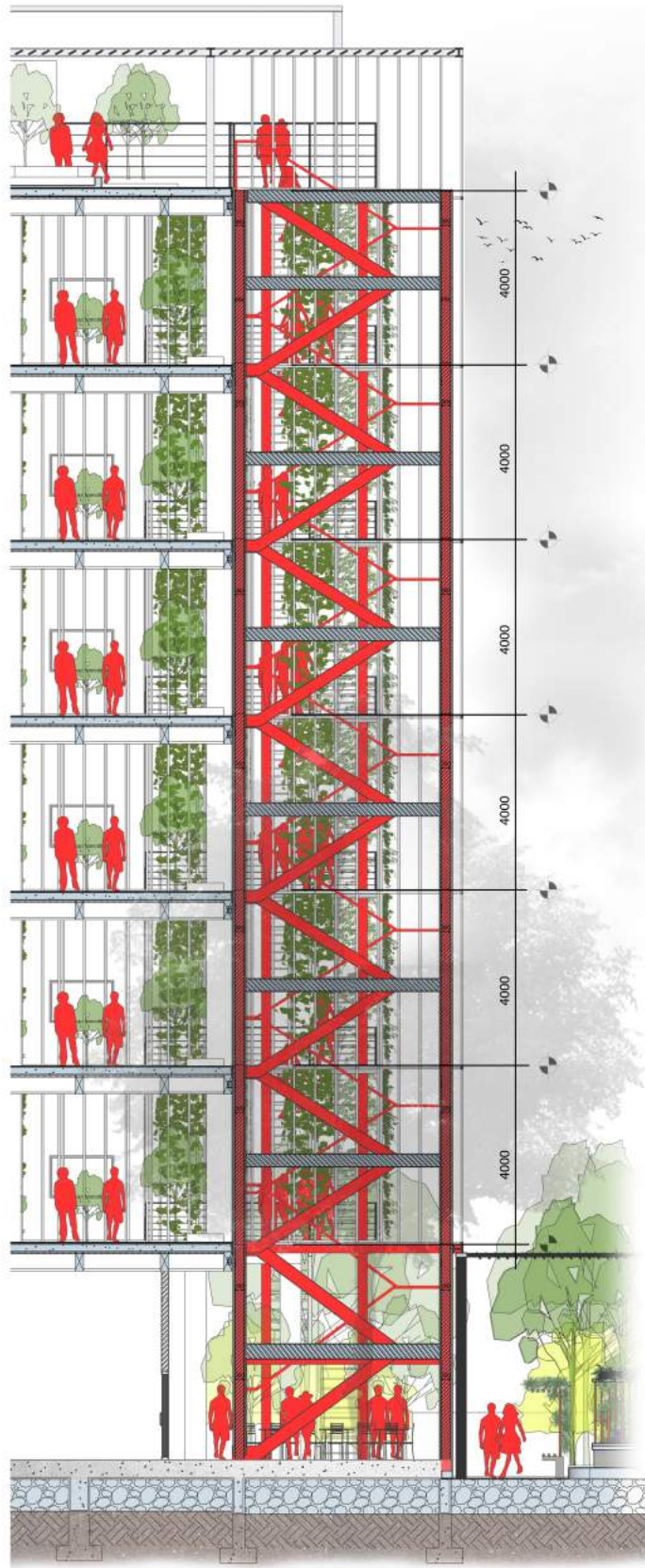


EXIT WIDTH CALCULATION (UBBL 7th schedule capacity exit stairs)

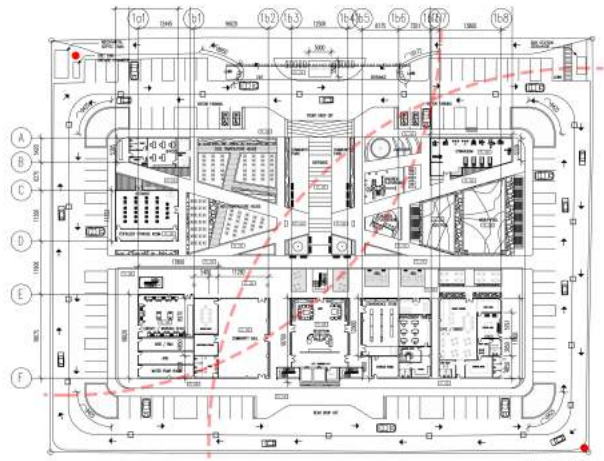
A	Level	1	2	3	4	5	6
B	Purpose Group / Occupancy Load	111/20	111/20	111/20	111/20	111/20	111/20
C	Floor Area (m2)	1350m2	1350m2	1350m2	1350m2	1350m2	1350m2
D	C / D = Occupancy	68	68	68	68	68	68
E	Exit Capacity Required For Stairs (D / 45)	1.5	1.5	1.5	1.5	1.5	1.5
F	Minimum Staircase Width (E x 550mm)	825	825	825	825	825	825

LEGENDS

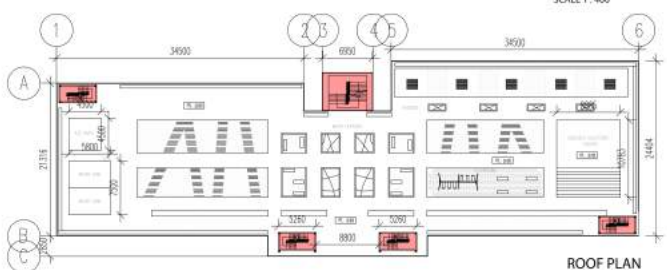
- Fire Escape
- Horse Reel
- Travel Distance
- Fire Hydrant



ROOF TO FOUNDATION DETAIL
 SCALE 1 : 40



SITE PLAN
 SCALE 1 : 400



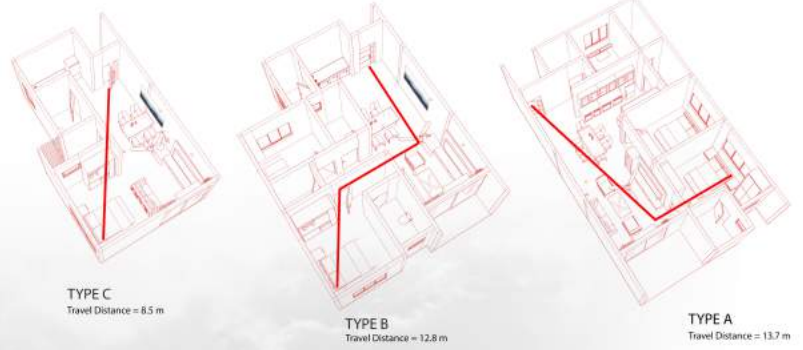
ROOF PLAN
 SCALE 1 : 250



TYPICAL FLOOR PLAN
 SCALE 1 : 250



GROUND FLOOR PLAN
 SCALE 1 : 250



TYPE C
 Travel Distance = 8.5 m

TYPE B
 Travel Distance = 12.8 m

TYPE A
 Travel Distance = 13.7 m

FIRE ESCAPE / FIRE STAIRS

- Stairs Width = 1100 mm
- Tread = 260 mm
- Riser = 160 mm
- Height per floor = 4000 mm
- Steps = 25



REAR ELEVATION
 SCALE 1 : 350



FRONT ELEVATION
 SCALE 1 : 350