



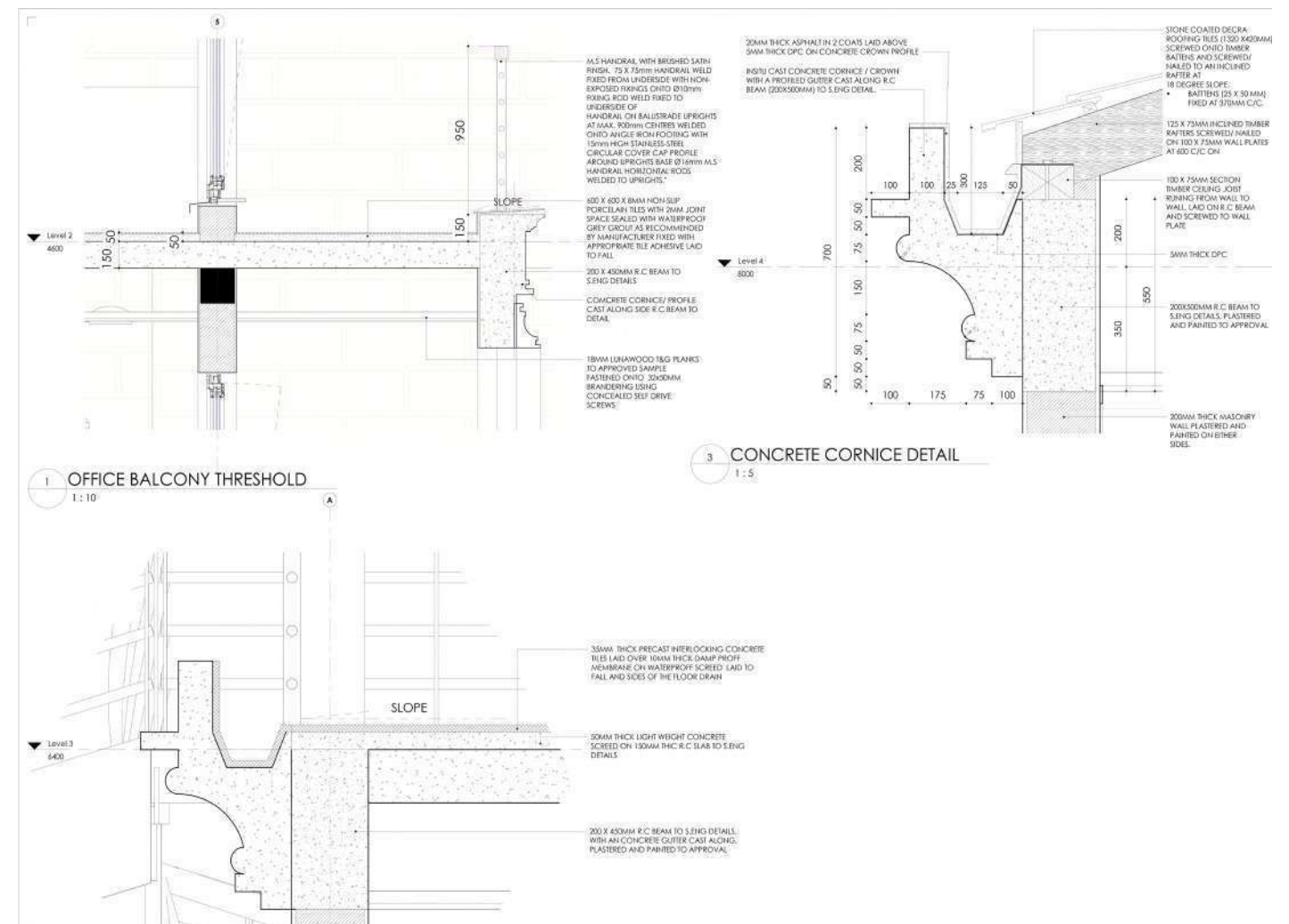
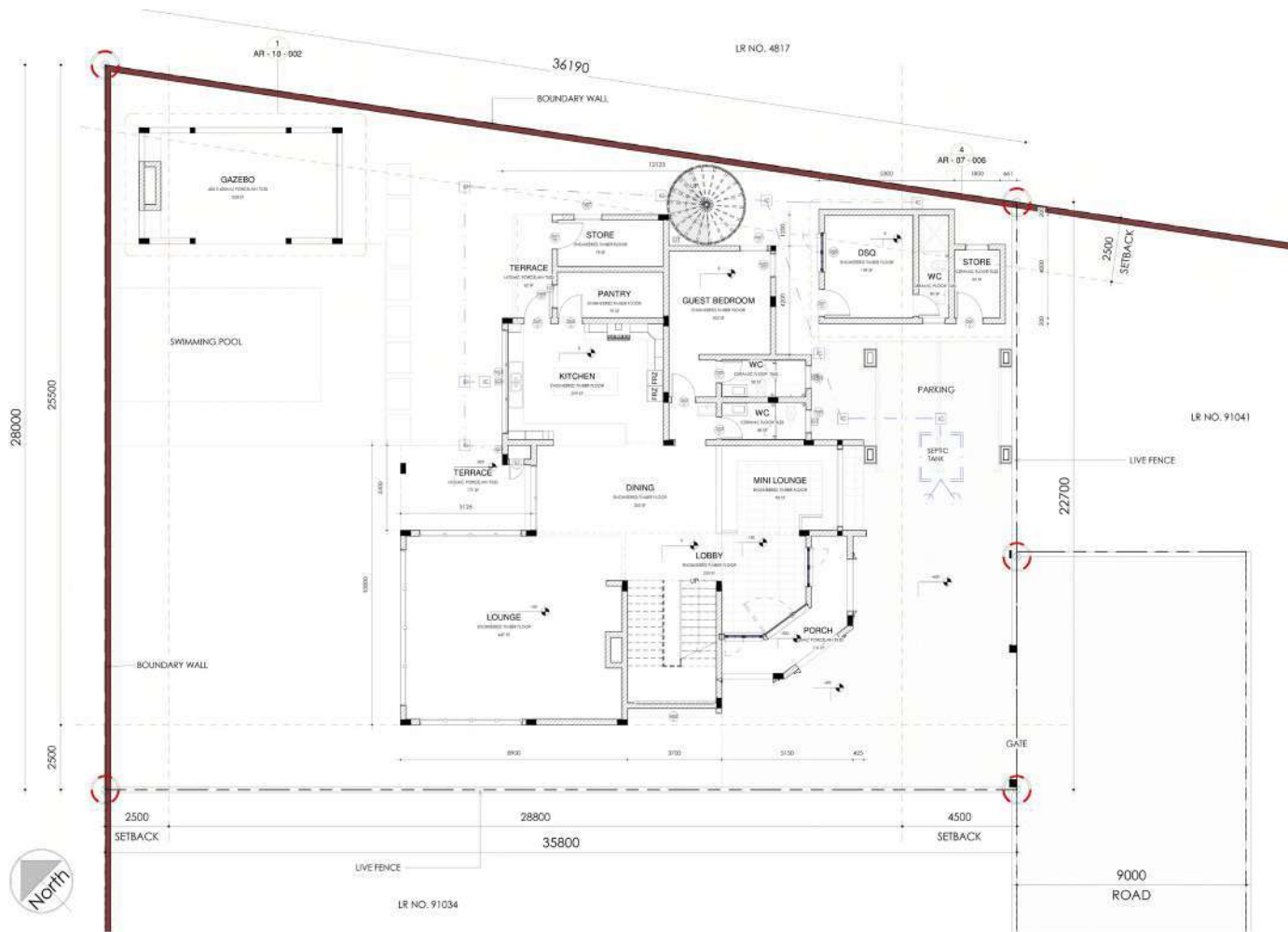
ARCHITECTURAL PORTFOLIO

NICK. MUASYA. MUNYWOKI



LOCATION-KERARAPON-KAJIADO-KENYA

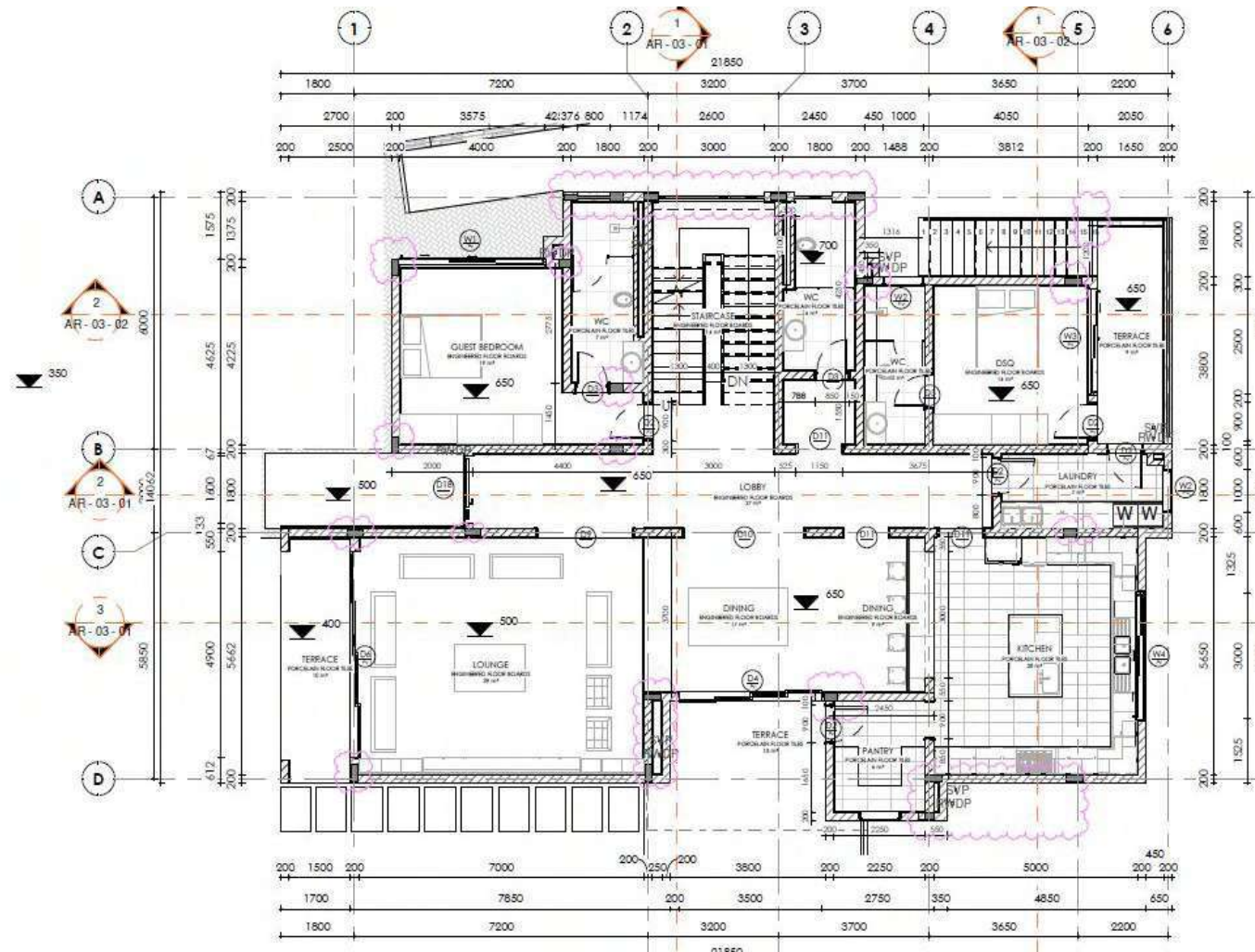
SCOPE - DESIGN , CONSTRUCTION & PROJECT MANAGEMENT





LOCATION-DAYKIO BUSTANI -KENYA

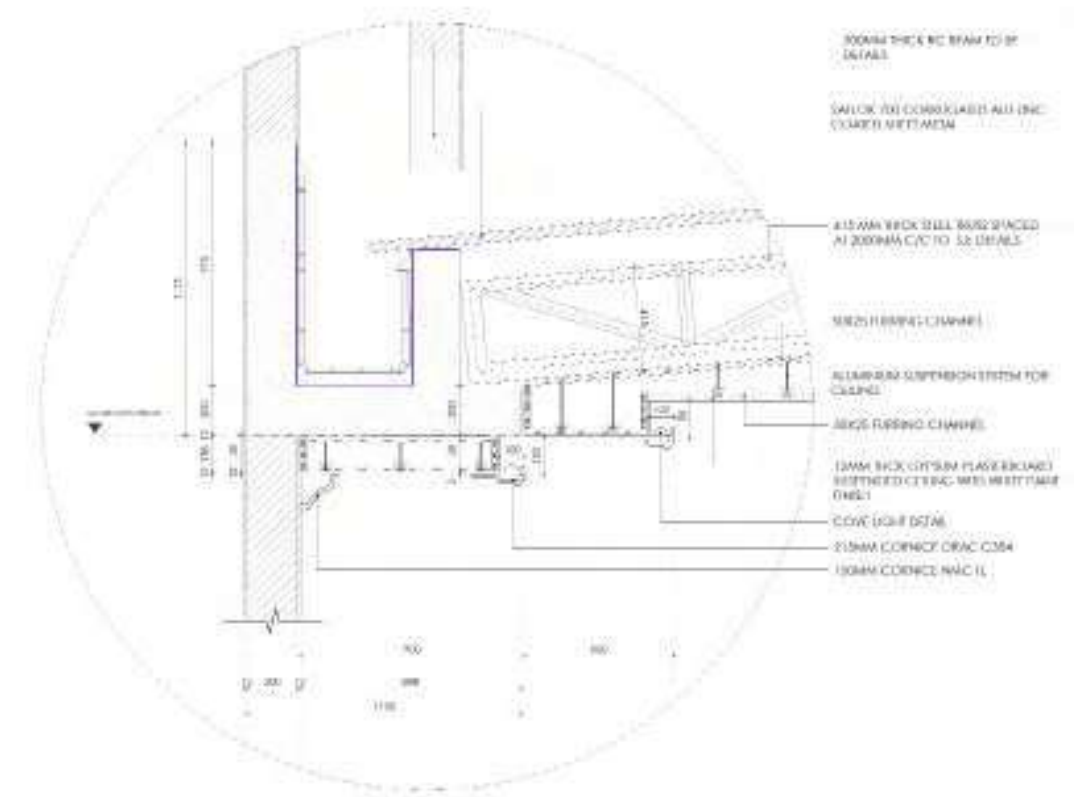
SCOPE - DESIGN & PROJECT MANAGEMENT

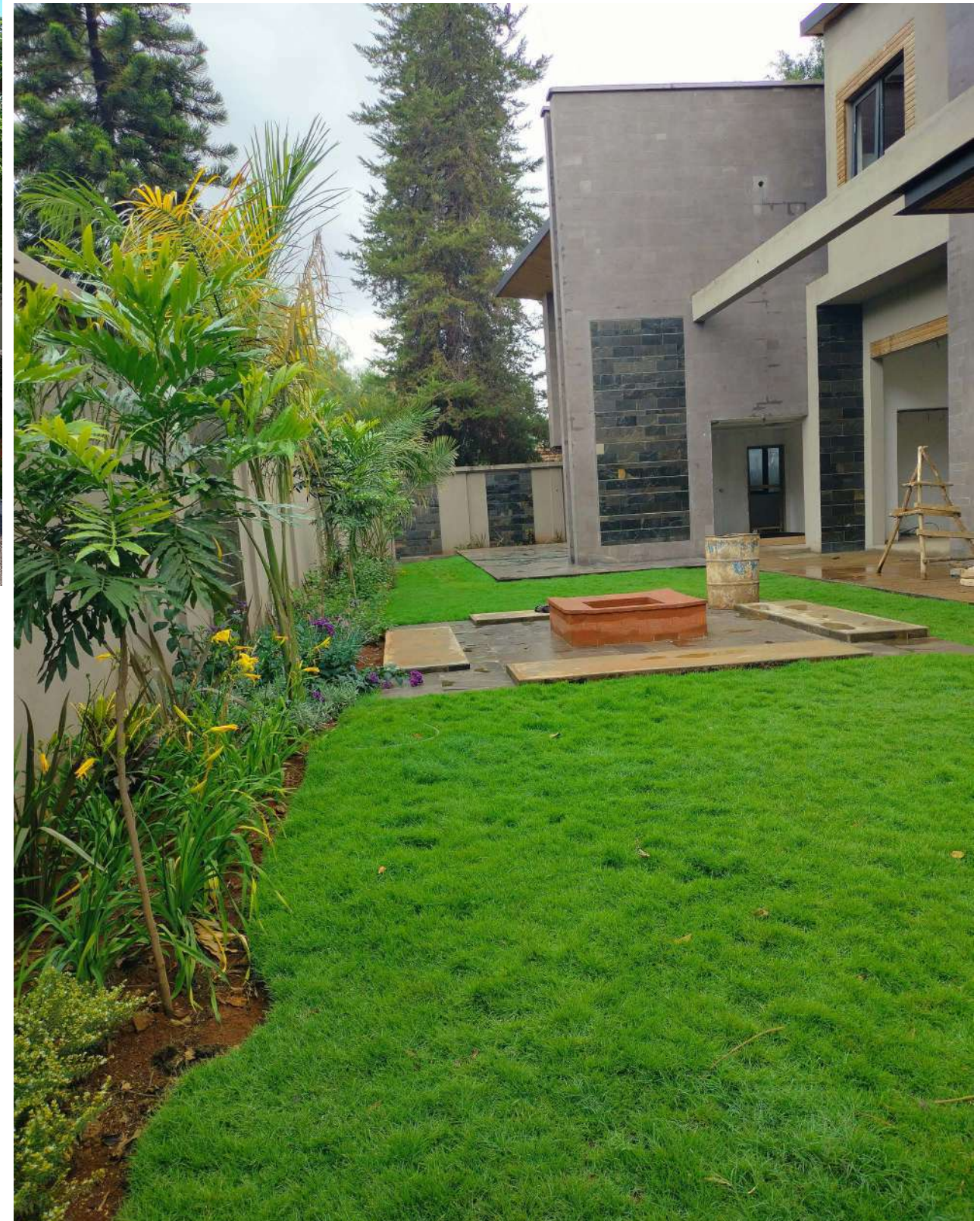




LOCATION-LAVINGTON-NAIROBI-KENYA

SCOPE - DESIGN & PROJECT MANAGEMENT





BackYard



Section



TITLE - 4 BEDROOM HOUSE

LOCATION - RONGAI - KAJIADO - KENYA

SCOPE - DESIGN & CONSTRUCTION



Ongoing site



TITLE -5 BEDROOM HOUSE

LOCATION- MHASIBU-RUIRU-KENYA

SCOPE -DESIGN & CONSTRUCTION



Approval stage



TITLE -4 BEDROOM HOUSE

LOCATION- NGONG-KAJIADO-KENYA

SCOPE -DESIGN & CONSTRUCTION





LOCATION - LAVINGTON - NAIROBI - KENYA

SCOPE - DESIGN & PROJECT MANAGEMENT



Ground floor plan



Roof plan



LOCATION-KITENGELA -KENYA

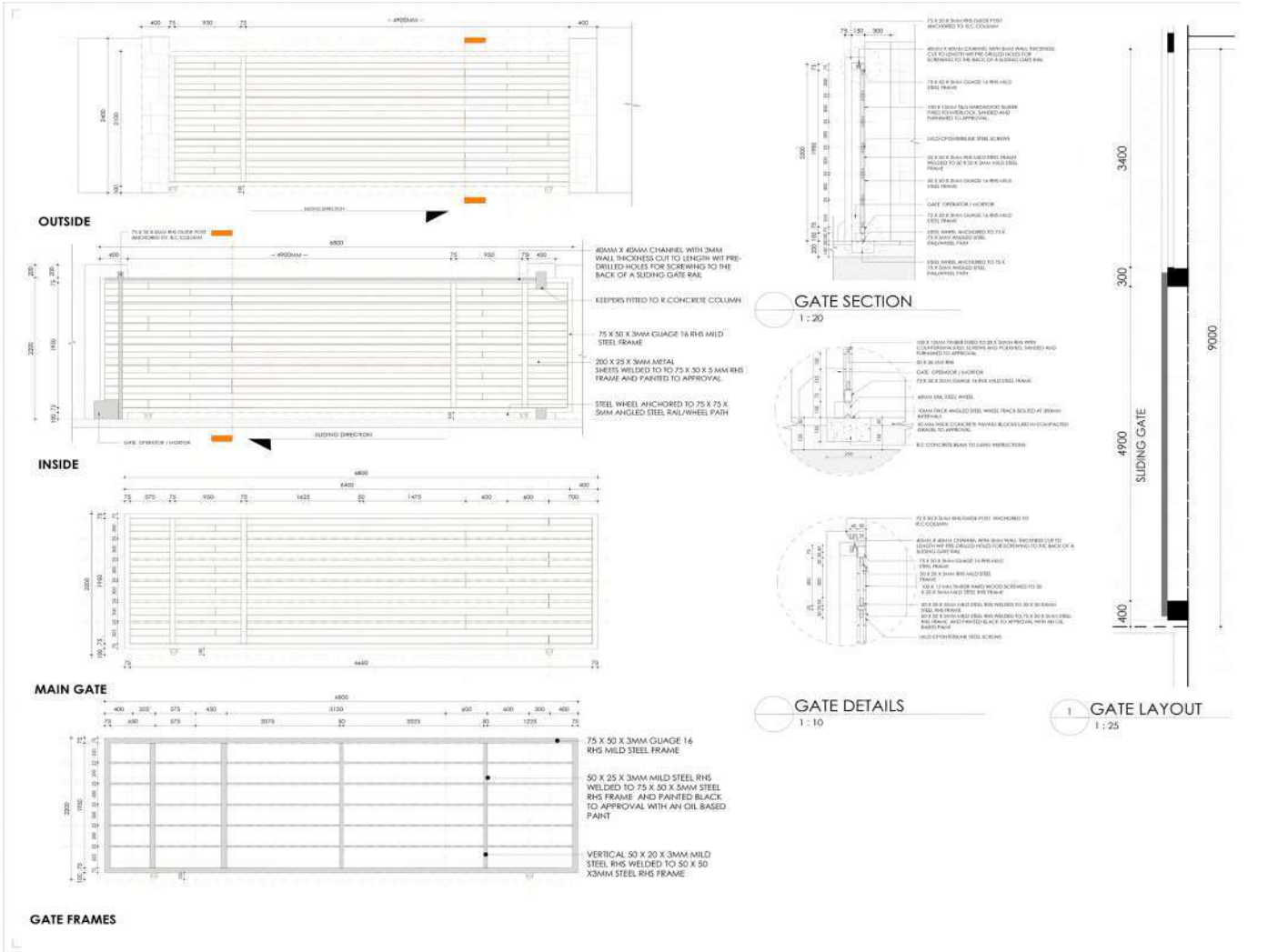
SCOPE -DESIGN &PROJECT MANAGEMENT





LOCATION-TATU CITY, KIAMBU -KENYA

SCOPE -DESIGN &PROJECT MANAGEMENT





TITLE - MANOR PARK ESTATE

LOCATION - WITTHIE - JUJA - KENYA

SCOPE - DESIGN & PROJECT MANAGEMENT

Following the Big 4 Agenda rolled out by the Kenyan Government, housing is a major industry involved. Affordable housing such as this estate having 1152 units (1 bed, 2 bed and 3 bed units) conform to the standards set by the government.

Among the team of consultants involved, my scope was to design, visualize and detail the drawings From concept design, project documentation and spatial coordination.



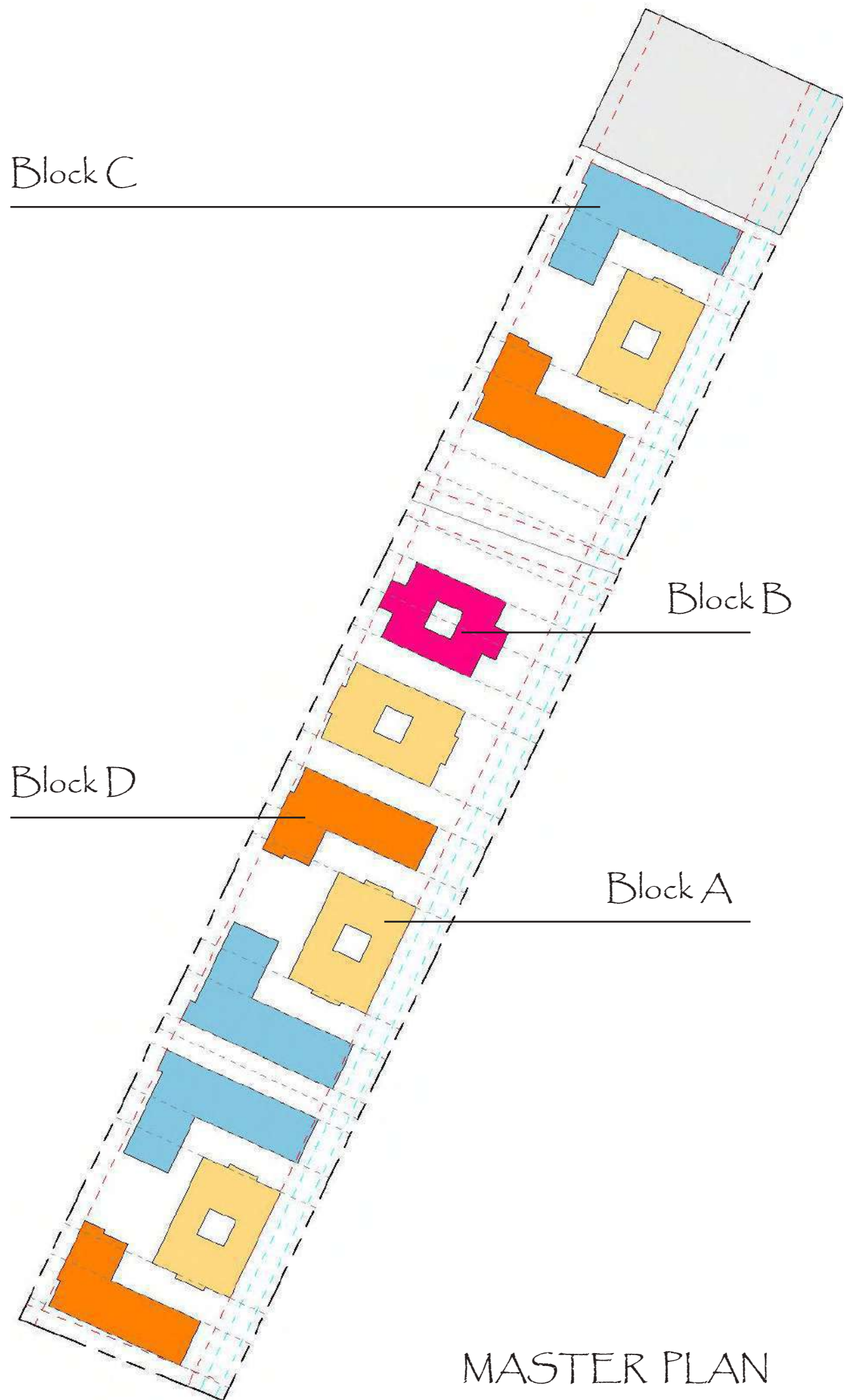
Block C

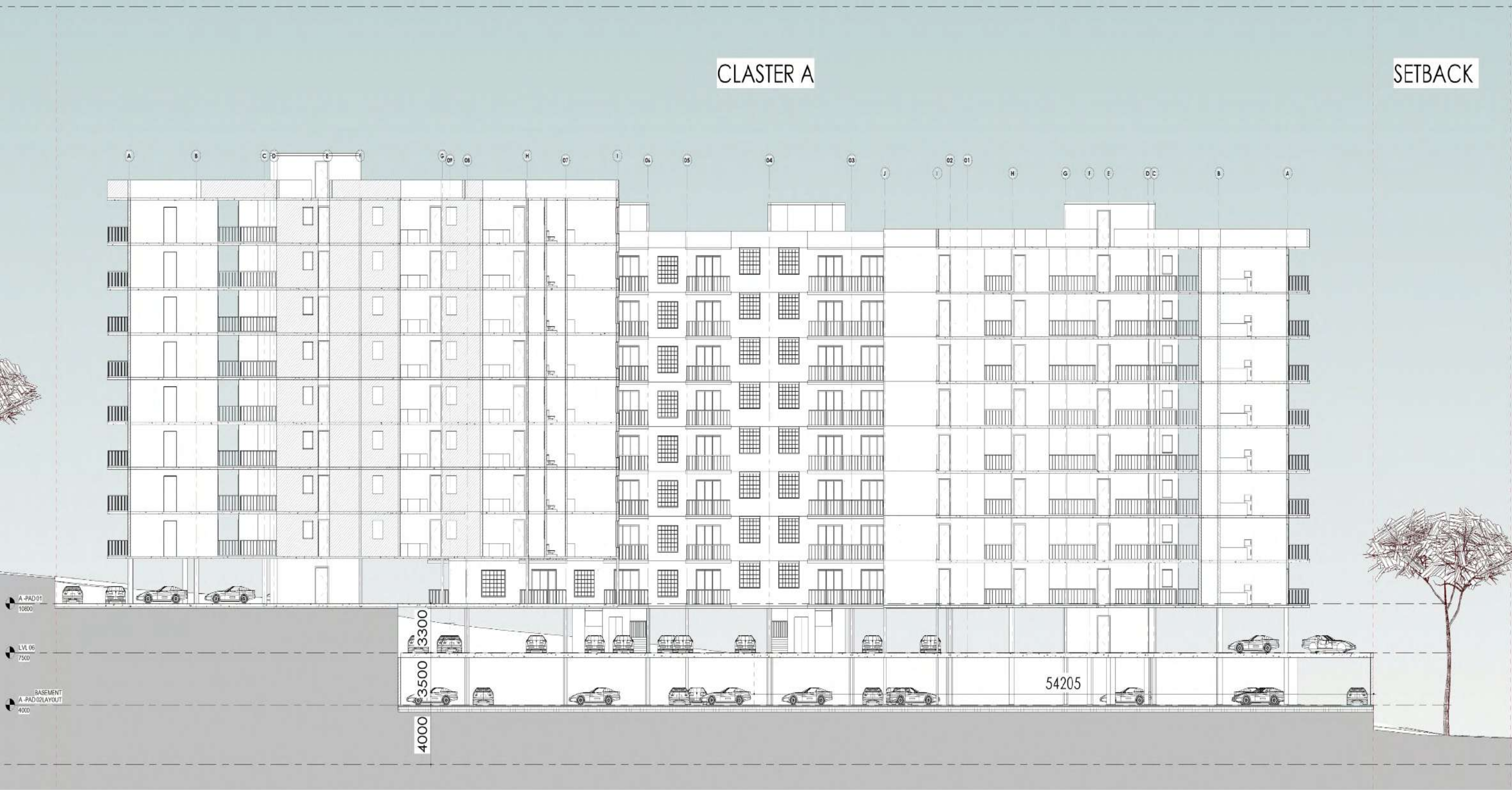
Block B

Block D

Block A

MASTER PLAN





Cluster A - Section 01



TITLE__ BETHELWELLNESSCENTRE.

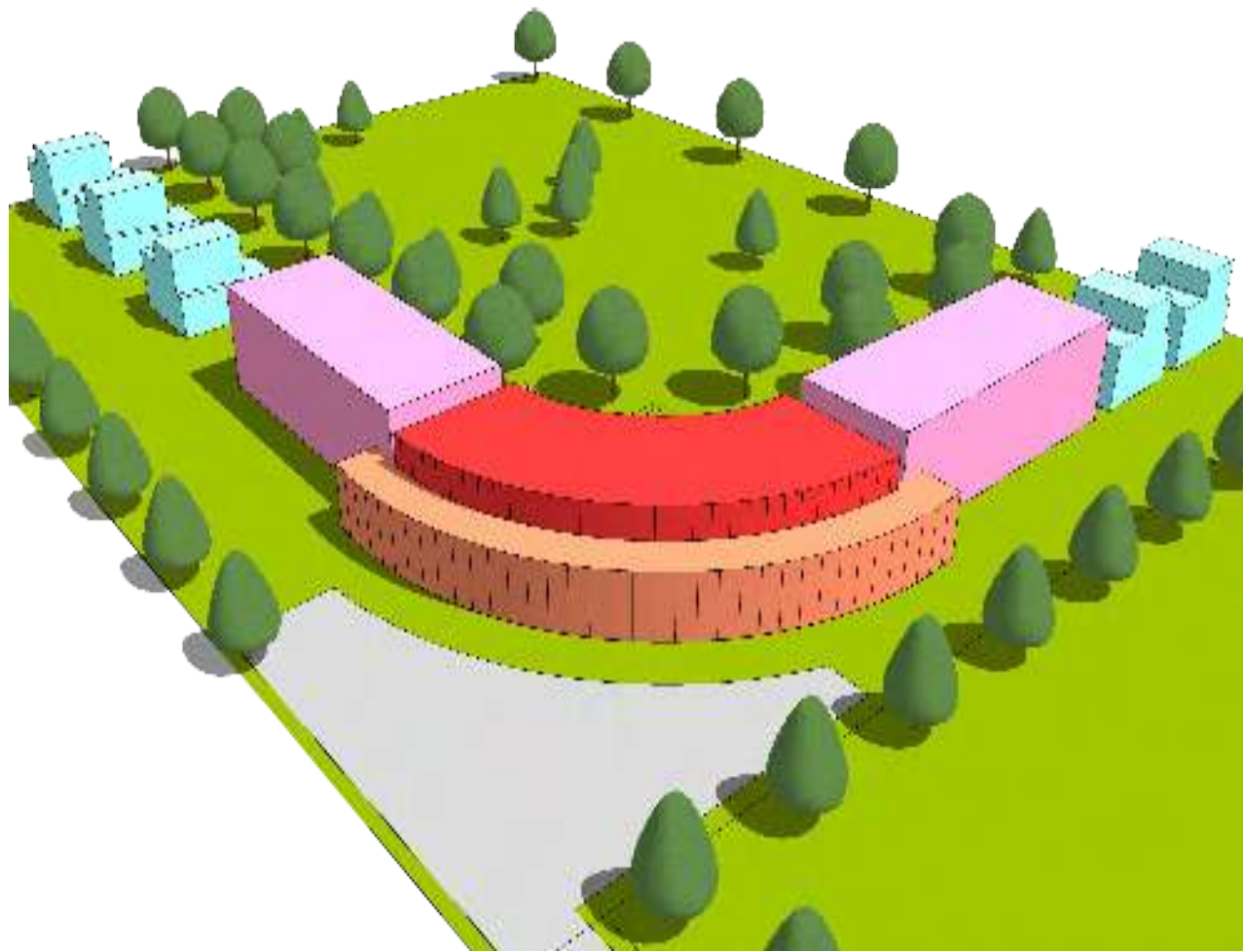
LOCATION- SYOKIMAU -KENYA

SCOPE CONCEPT DESIGN

Proposal.

This is a Resort/ Hotel with 125 Rooms and 25 Cottages.

Project goal is to accommodate a restaurant, prayer center and hotel rooms.



Modern cottages of 2 and 3 bedrooms interconnected by walkways around the property leadin to the main hall and the Hotel





TITLE - BLUESTONE ESTATE

LOCATION - NIGERIA

SCOPE - PLANNING

We were tasked with masterplanning a 430 Acre piece of land to fit 900 homes/residential plots, commercial spaces, recreational spaces and common spaces.



TITLE - KAROGO ESTATE

LOCATION - KIAMBU - KENYA

SCOPE - PLANING

We were tasked with master planning a 454 Acre piece of land to fit over 900 homes/ residential plots, commercial spac-es, recreational spaces and common spaces.

Having a fairly slopy topography towards the rivers on either side of the site, planning on this site had to address the cost of construction every plot would have to incur.

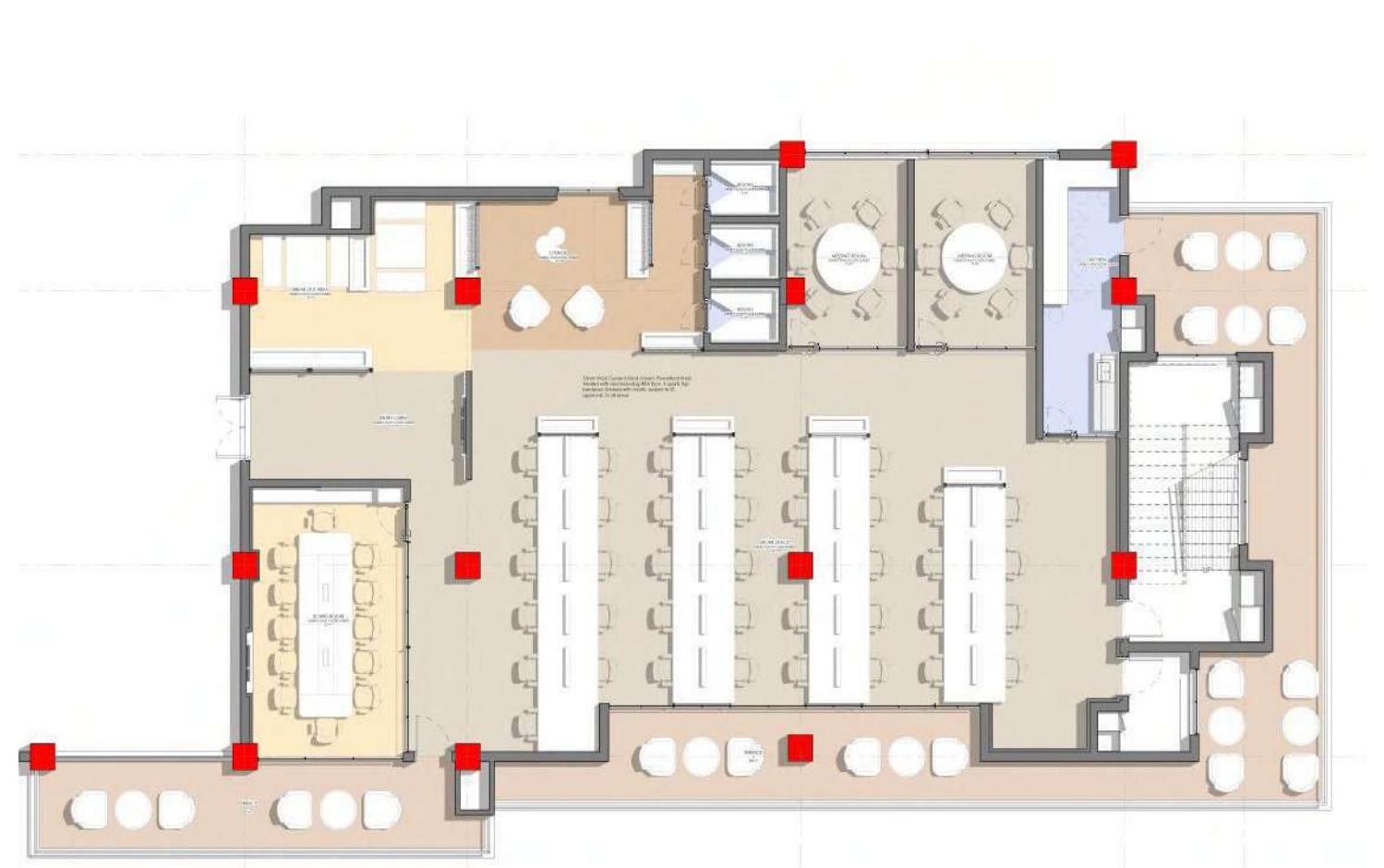
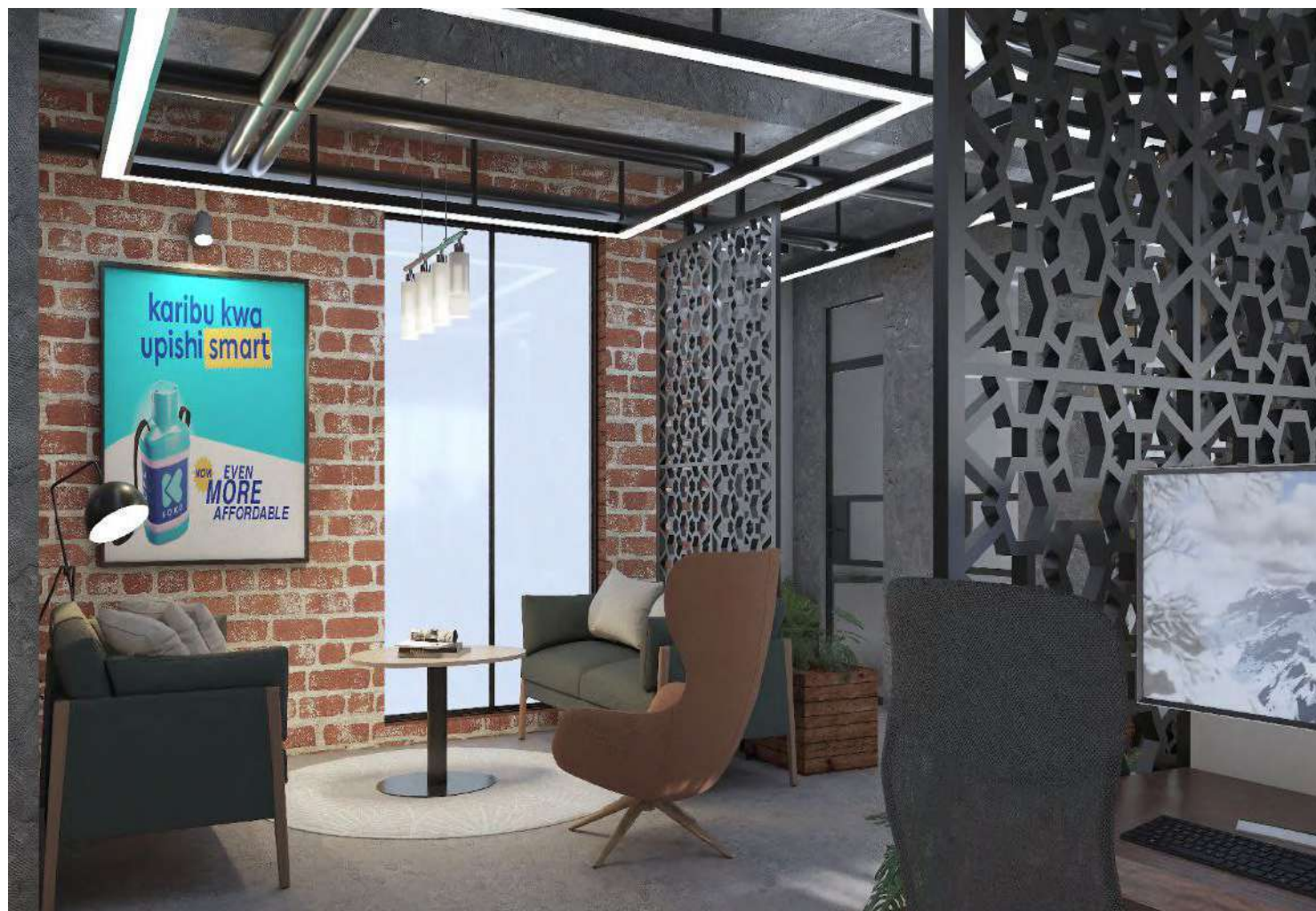
Designing on this site accorded me with the knowledge of planning on different topogra-phies and many ways to provide solutions in the building industry.



KOKO NETWORKS OFFICES

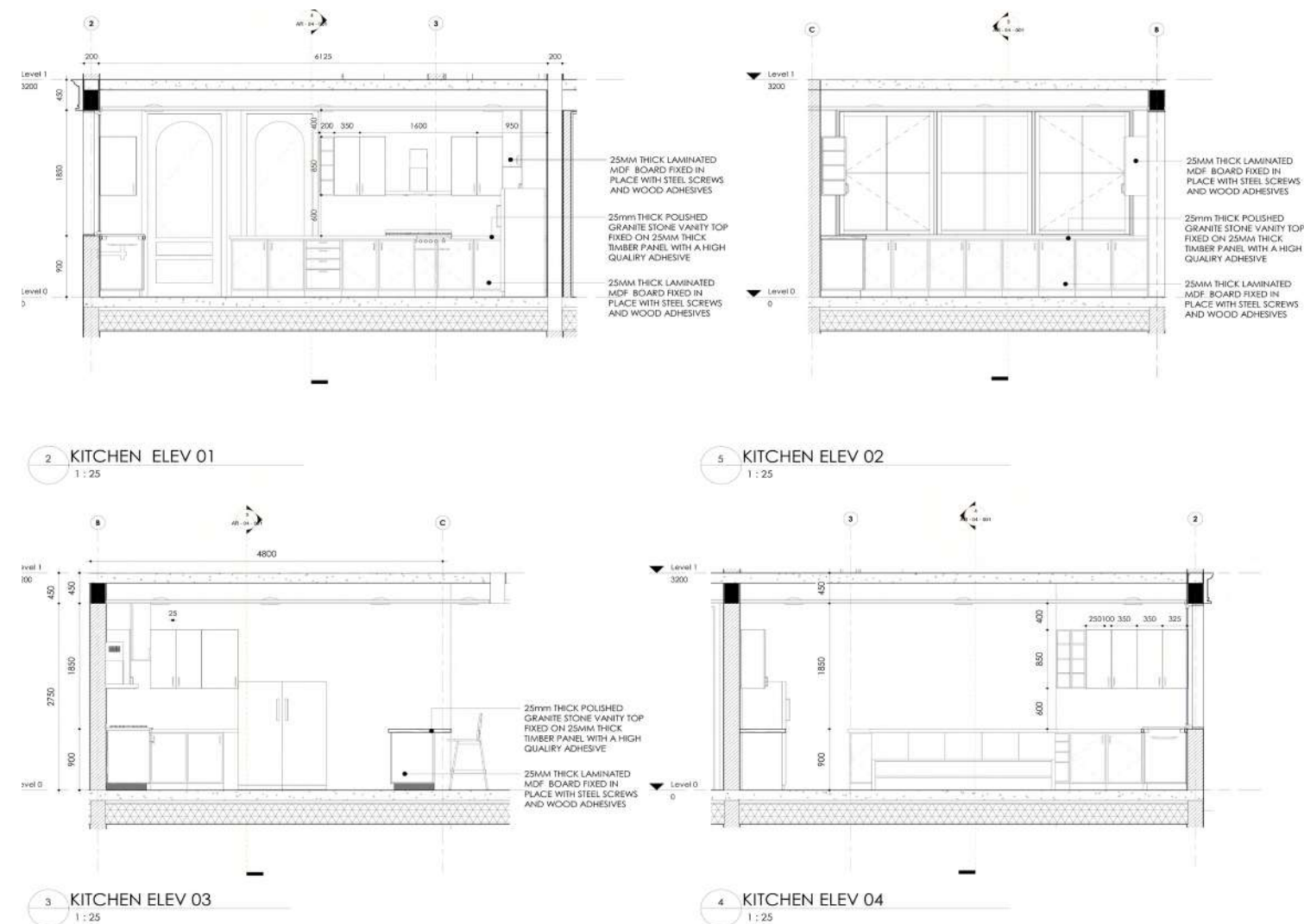
LOCATION-NAIROBI -KENYA

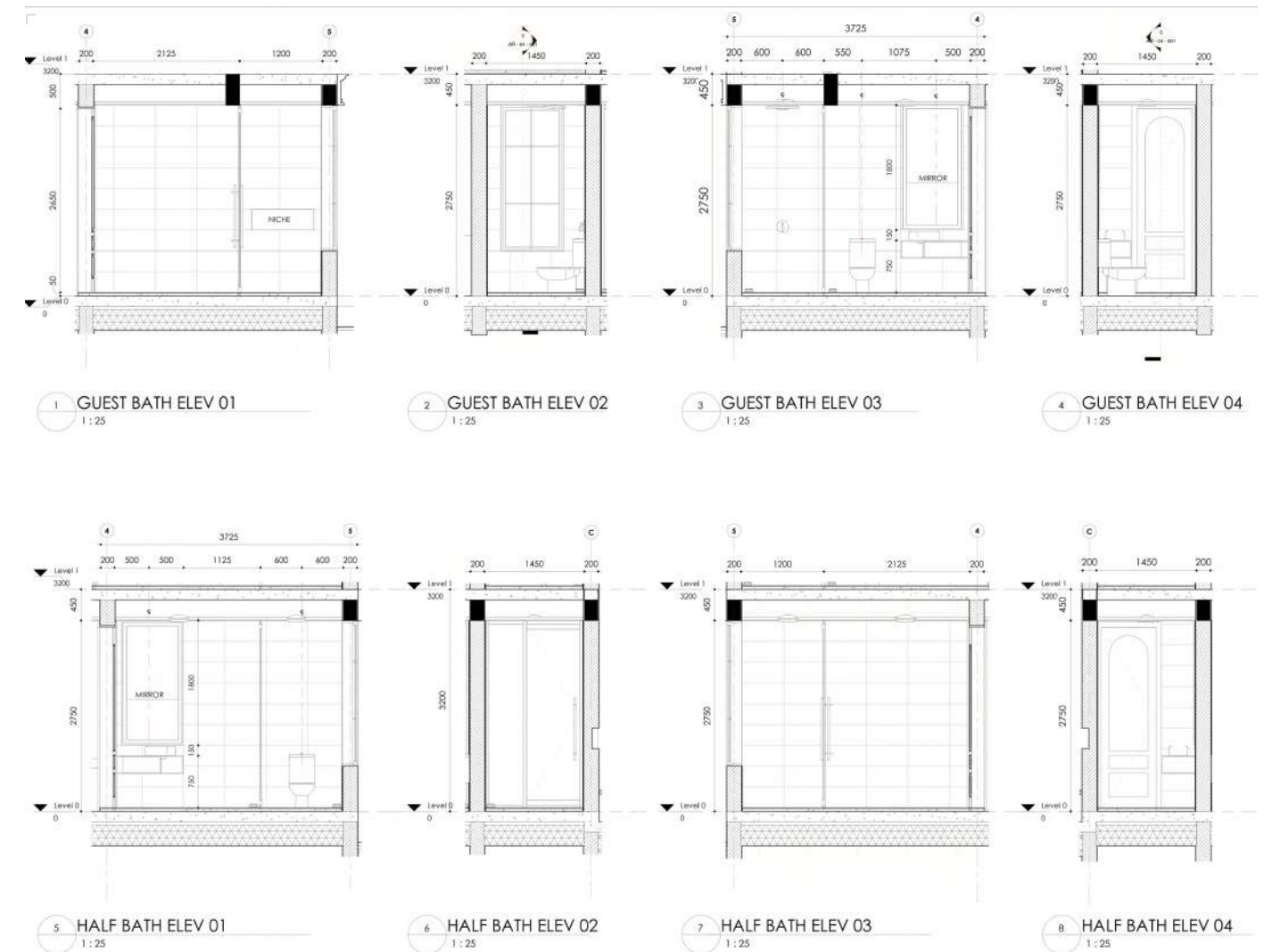
SCOPE -CONCEPT DESIGN & PROJECT DOCUMENTATION

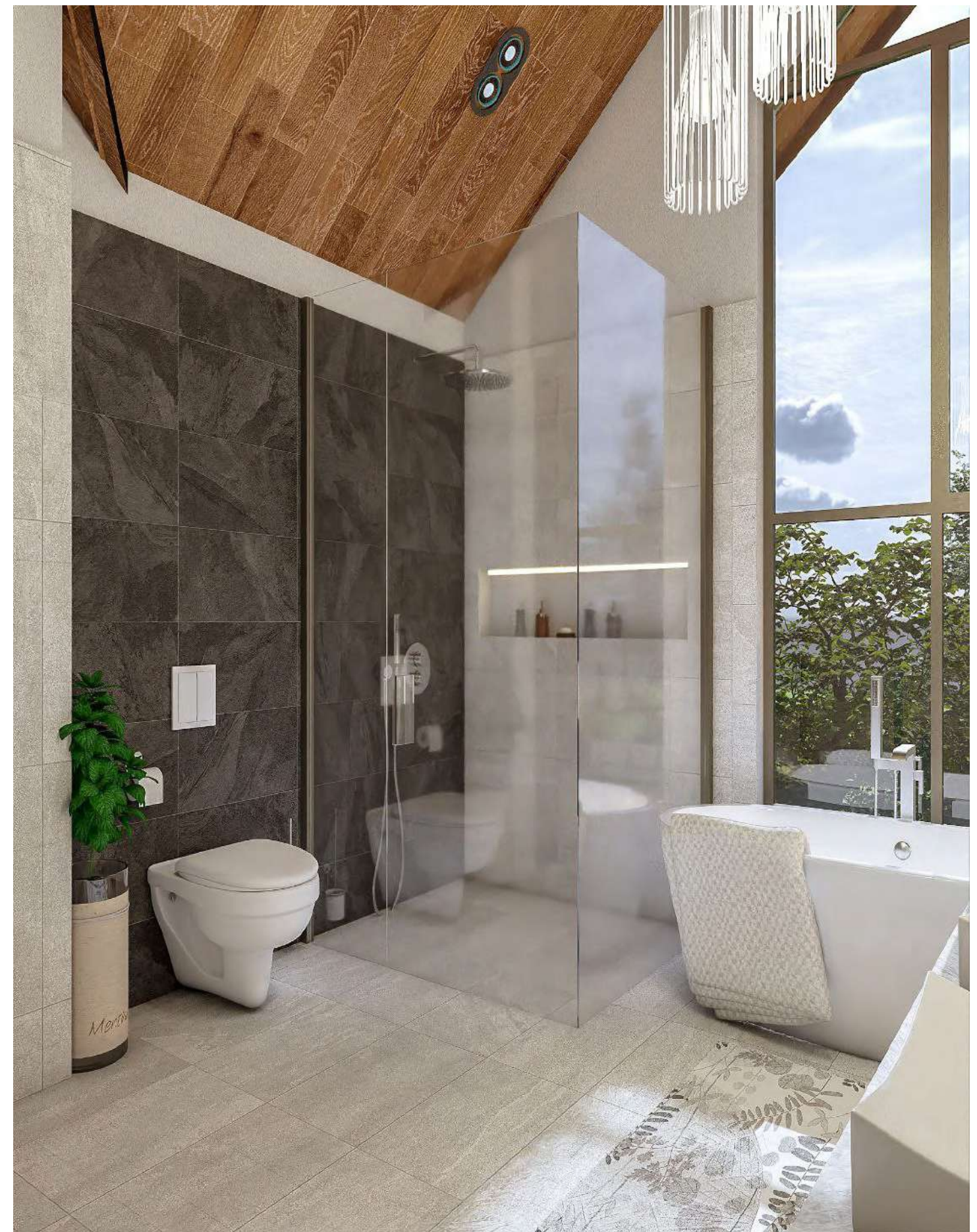
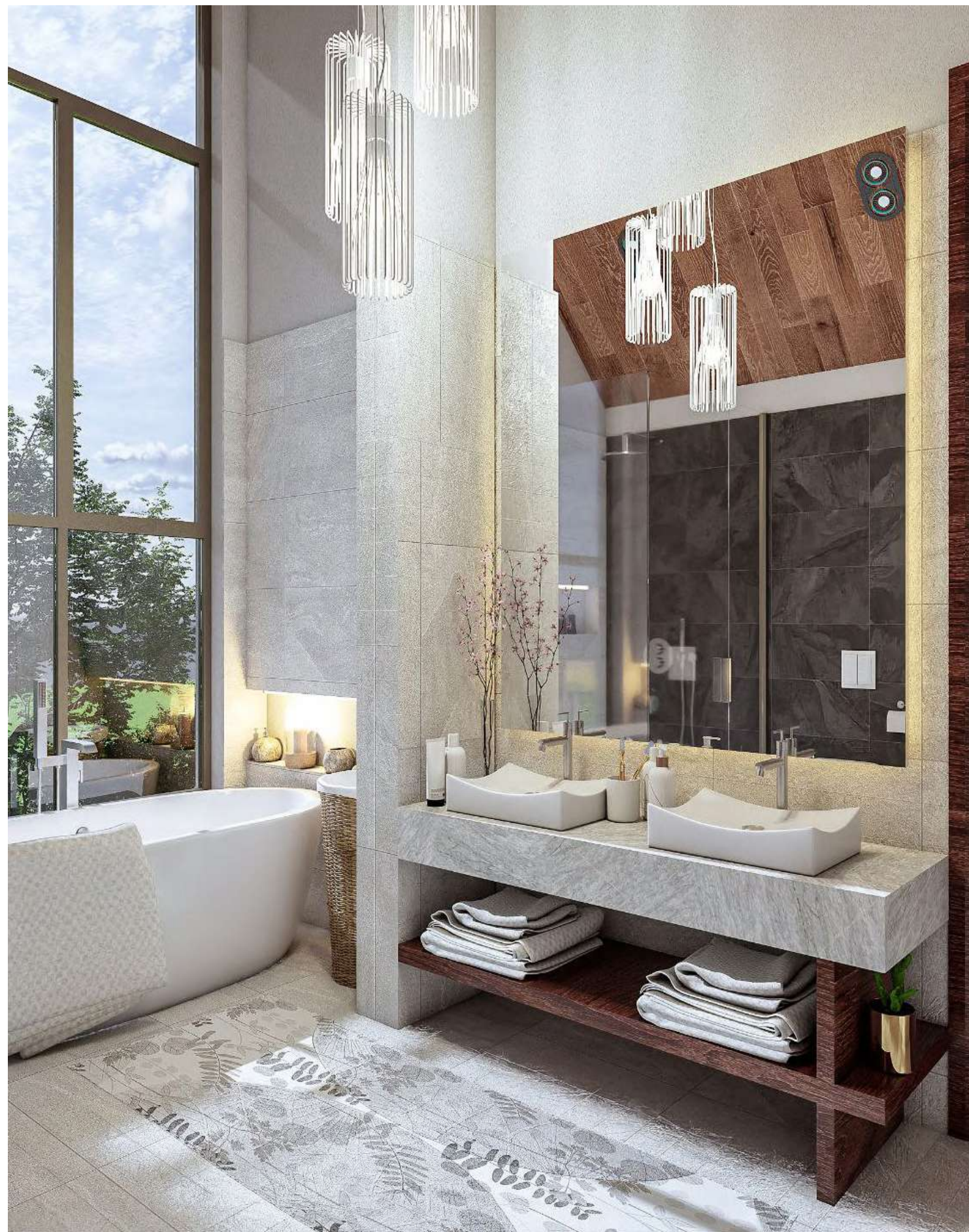


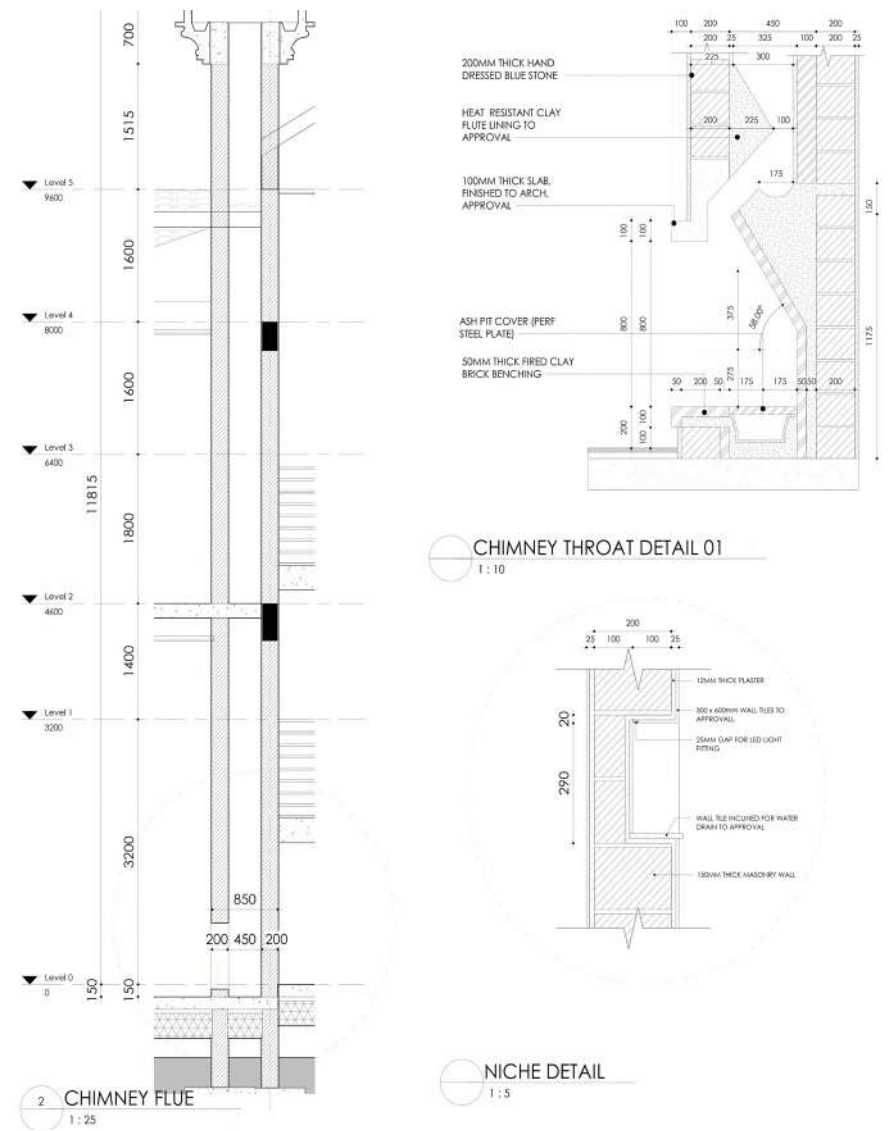


INTERIOR DESIGN
RESIDENTIAL PROJECTS

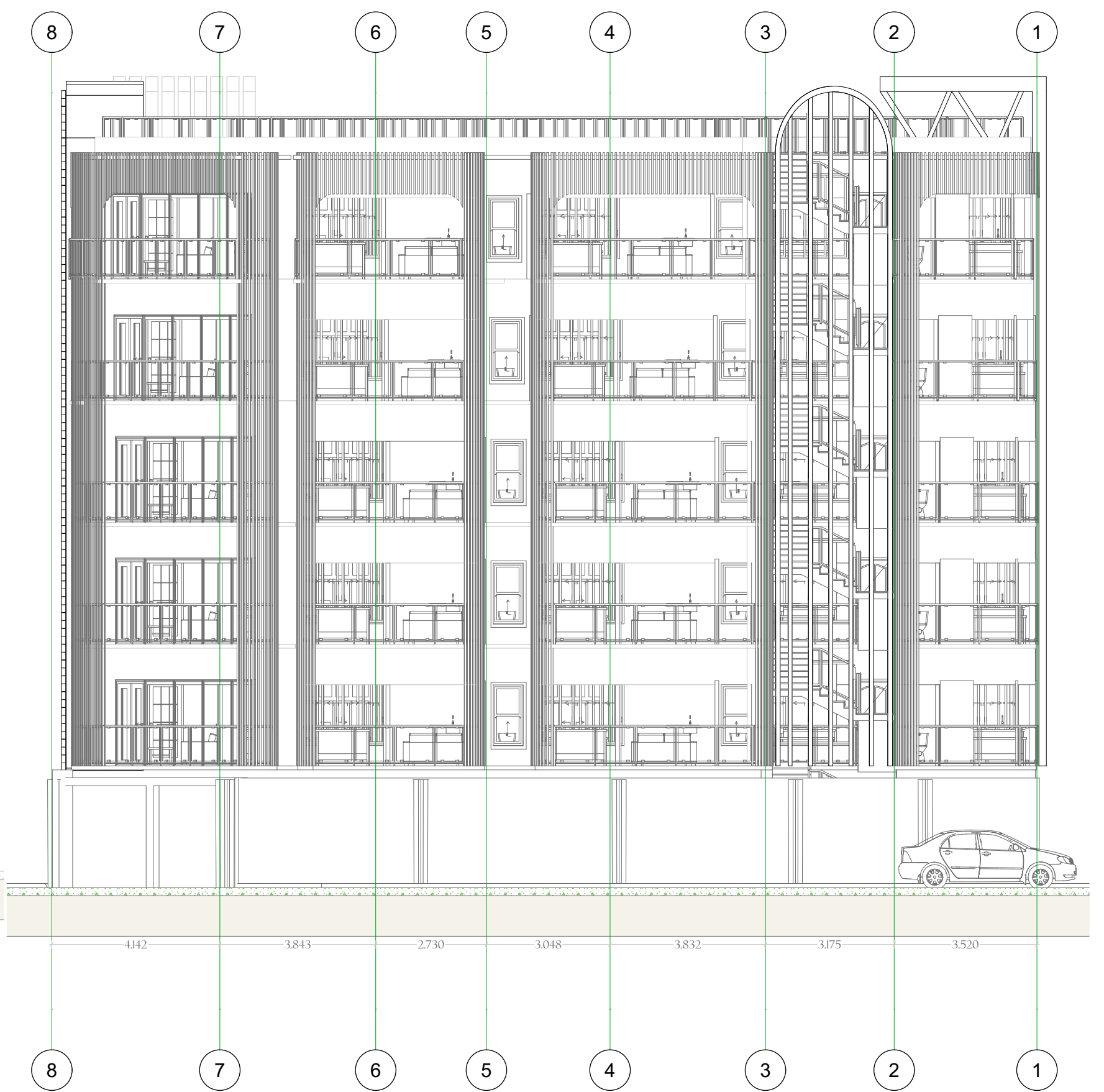
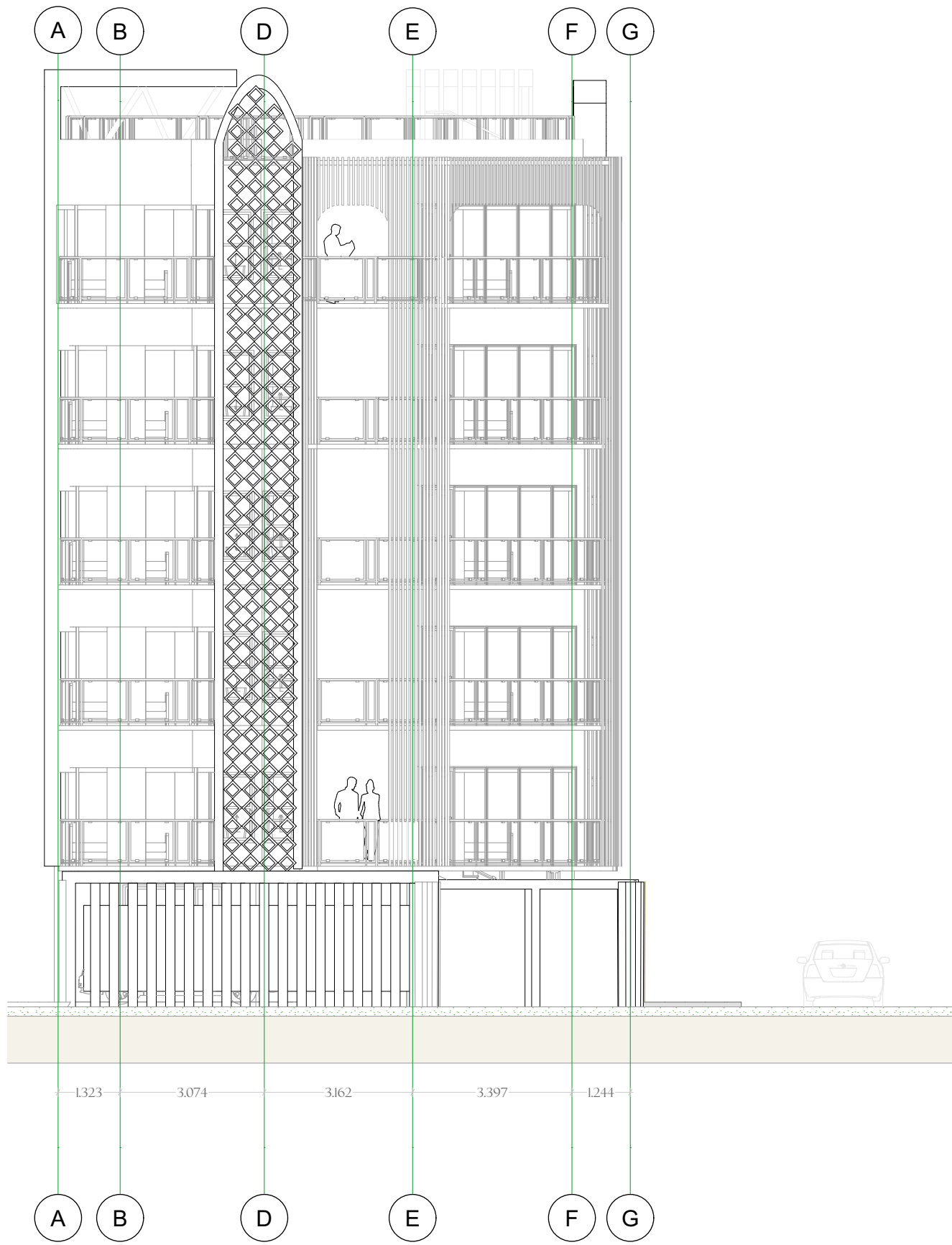












LEGEND:

Sim. - Similar
Typ. - Typical
F.F.L. - Finished Floor Level
A.F.F.L. - Above Finished Floor Level

ITEM REFERENCES:

1. Structural Glazing Semi-united System
Refer to DOOR & WINDOW SCHEDULE's dwg's
SH/005 - 010 for details

2. Frameless Glazing System
(Spider Glazing)
Refer to DOOR & WINDOW SCHEDULE's dwg's
SH/005 - 010 for details

3a. Pyropanel Fire Door System
Refer to DOOR & WINDOW SCHEDULE's dwg's
SH/005 - 010 for details

3. Window Treatments, shown indicative only. Not to be
provided under this Contract - to be provided by Client

4. Suspended Ceiling System. Refer to REFLECTED
CEILING PLAN's for details

5. Fibre cement board suspended ceiling. Refer to
GROUND FLOOR REFLECTED CEILING
PLAN SH/028 for details

6. 12.5 mm thick moisture resistant Gypsum plaster board
lining on approved proprietary galvanised steel
Suspended Ceiling System, for fixings @ 450 mm crs.
max. Brace Bulkhead as required.
Paint finish as per FINISHES SCHEDULE's

7. Cement screed floor finish on R.C. structure by
Structural Engineer. Refer to FINISHES PLAN's for
details

8. 50 mm nominal thick cement screed with water
repellent agent to stair treads, risers & landing, on R.C.
stair structure by Structural Engineer. Refer to
FINISHES PLAN's for details. Provide 15 x 15 mm
fillets to all internal corners.
Refer to Engineer's dwg's for falls & drainage details

9. Concrete roof slabs on proprietary spacers on
insulation on waterproofing membrane on cement screed
to fall. Refer to UPPER ROOF LEVEL FLOOR
FINISHES PLAN dwg. LO/025 for details
Refer to Engineer's dwg's for roof falls & drainage details

10. Cement plaster and Stucco finish, to interior walls,
ceiling, soffit, columns, beams, etc. Prepare to take paint
finish. Refer to FINISHES SCHEDULE's for details

11. R.C. wall structure left exposed to Service Spaces
etc. Refer to FINISHES SCHEDULE's for details

12. Decorative Plaster finish, to exterior walls, ceiling,
soffit, etc. on cement plaster on wall structure. Refer to
FINISHES SCHEDULE's & ELEVATION's for
details

13. Decorative Plaster exterior finish with water repellent
agent, to top of Fire & Egress Stairs mid-flight cantilevered
landing. On cement screed laid to fall (1 in 50 min.) on
R.C. structure by Structural Engineer.
Refer to FINISHES SCHEDULE's &
ELEVATION's for details

14. Granite slab wall finish on cement plaster on wall
structure by Structural Engineer. Refer to FINISHES
SCHEDULE's & ELEVATION's for details

15. Bitumen roof waterproofing membrane on cement
screed to fall (1 in 80 min.) Refer UPPER ROOF
LEVEL FLOOR FINISHES PLAN dwg. LO/025
for details.
Provide proprietary aluminium edge flashing

16. BITUMAT Synroof Hi-build Acrylic Waterproof Coating
System for flat concrete roofs, colour: Grey, or approved
equal. Provide primers, reinforcement matting (at upstand
etc.). 2 coats, aluminium edge flashing etc. all in strict
accordance as per Manufacturers recommendations.
On cement screed to fall (1 in 50 min.) on R.C. structure
by Structural Engineer.
Ensure waterproof coating is well flashed into glazing sill
section, and around roof fixings / penetrations

17. Acrylic Waterproofing Coating System (as described
above) bandage over aluminium flashing

18. Folded continuous aluminium apron / capping flashing

19. Paintable elastic sealant. All glazing and exterior door
units shall all be sealed water tight. Provide backing
polystyrene rods as necessary

20. Step nosing. GENESIS NRA50 50 x 45 x 2.5 mm
Aluminium Retro-fit Stair Nosing, or approved equal.
Typical, to all stair nosings

21. ex 50 mm thick hardwood protective upstand nosing.
Provide chamfered edge & non-slip rebates as shown

22. Steel fabricated Gangway & Stair Handrails. Refer to
ELEVATION's & various FLOOR PLAN's for
extent of handrailing. Handrails to be fabricated from 60 x
20 mm steel RHS (on flat), top handrail, 1 no. mid rail and
uprights. Provide 2 no. intermediate horizontal rails as
indicated. Handrail system to be complete with all
uprights, baseplates, stainless steel fixings, dome nuts,
etc.
Hammered paint finish to handrail, refer FINISHES
SCHEDULE for details

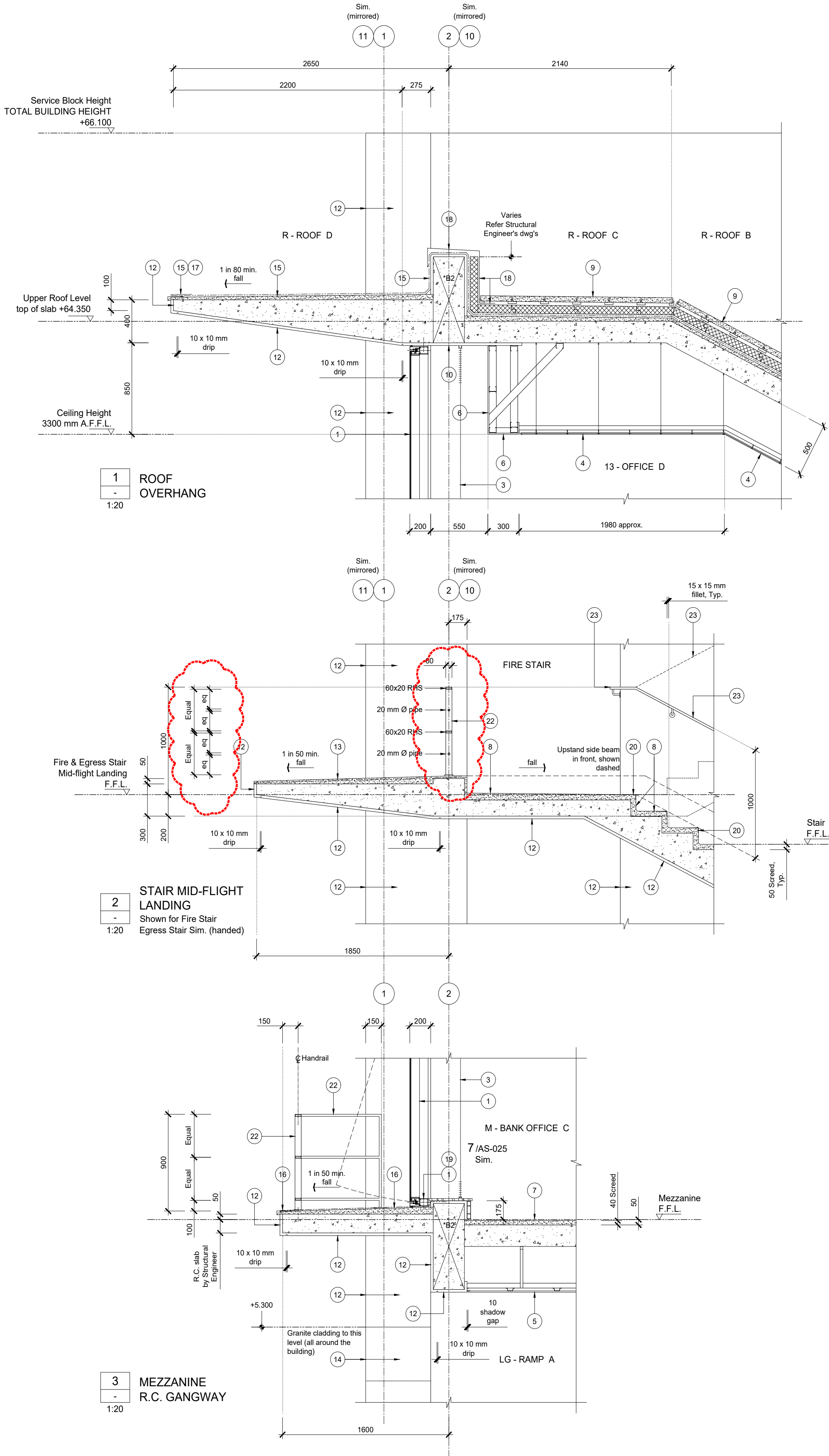
23. Steel fabricated handrail as described above, only for
wall fixing. Provide wall fixing insert type brackets,
epoxied into drilled holes

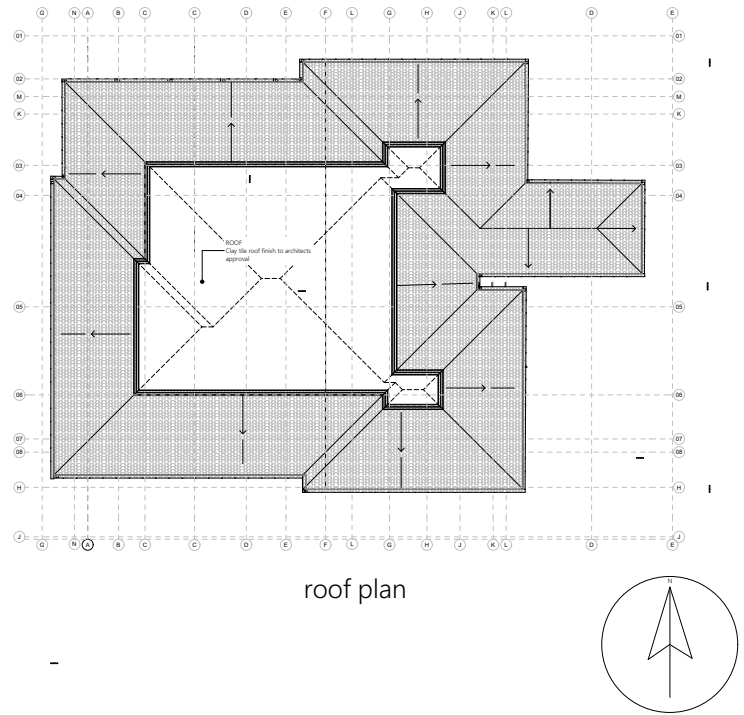
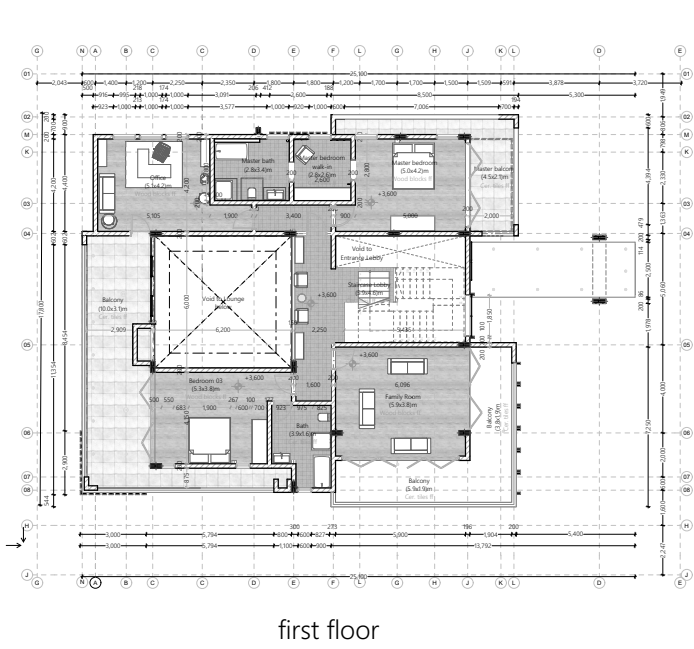
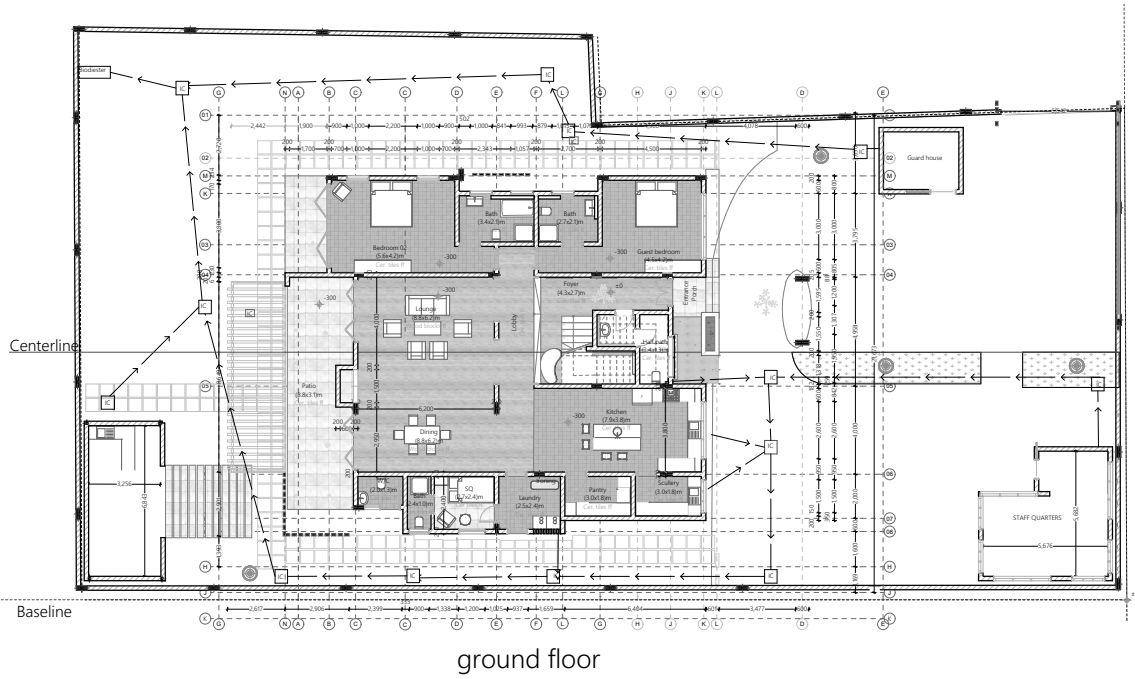
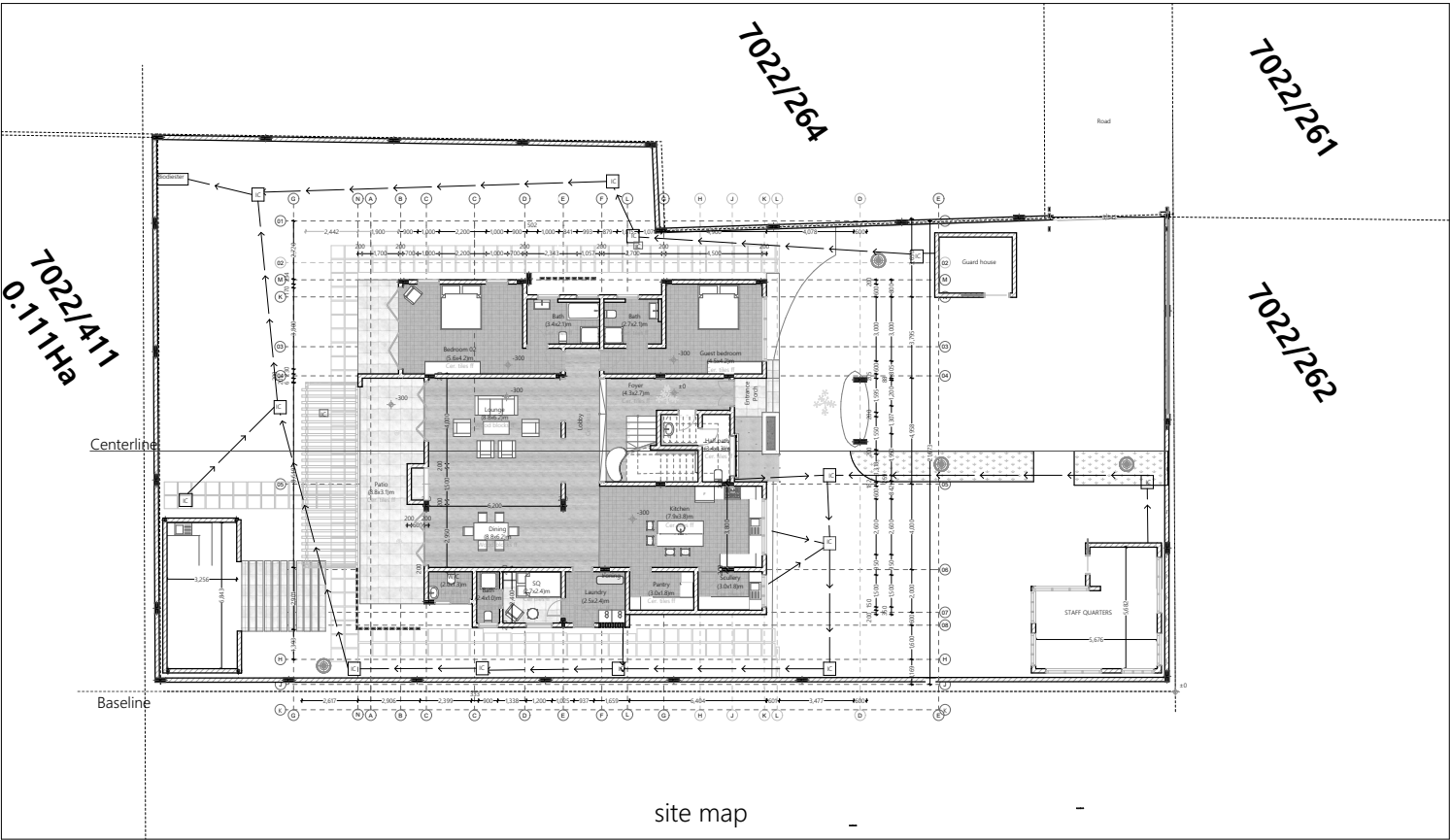
24. Stainless steel mesh facade complete with all fittings
and fixings as per Specialists / Suppliers details and
requirements Refer to BILL of QUANTITIES for
details

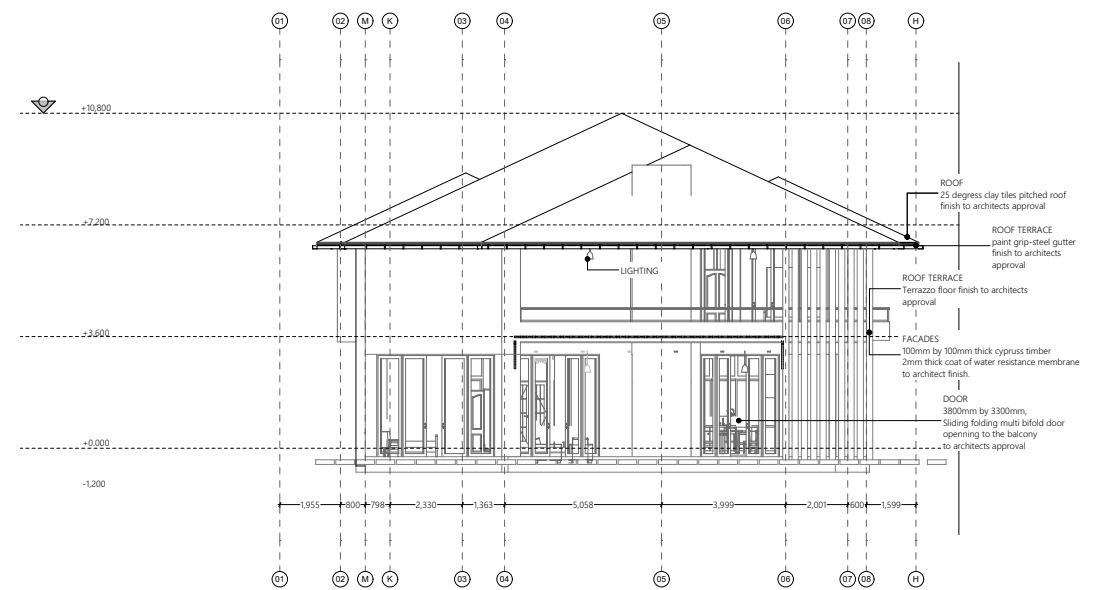
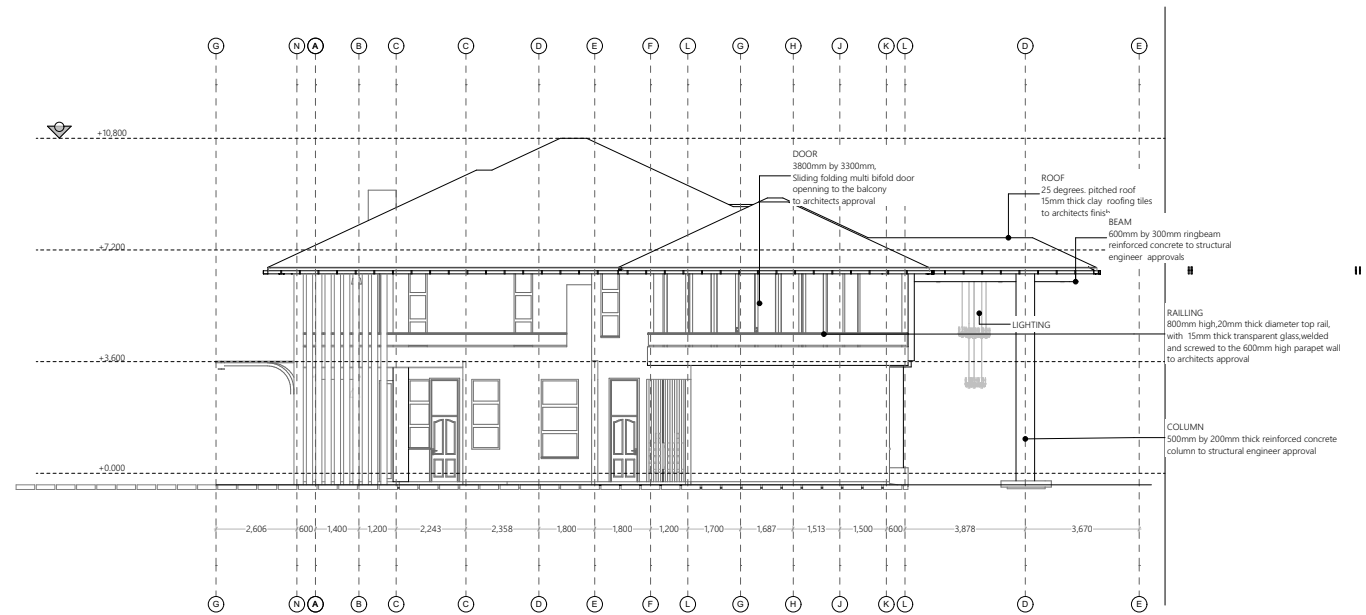
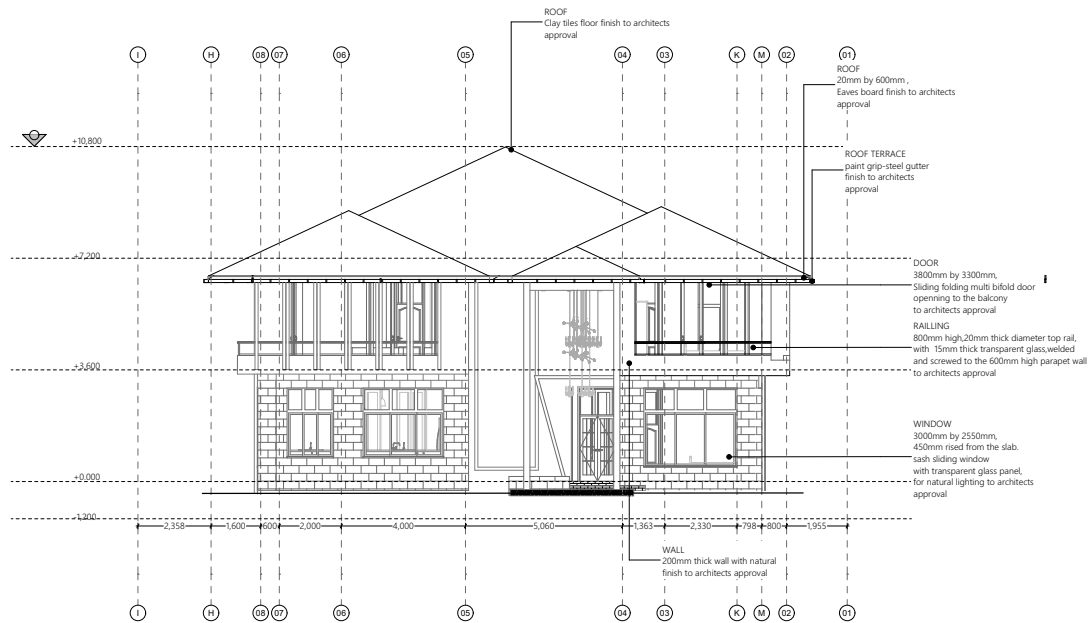
25. Stainless steel mesh facade galvanised steel fixing
bracket. Refer to Structural Engineer's dwg's for details.
Provide galvanised steel shims under angle bracket at
fixing points to ensure a gap is provided for roof water
run-off

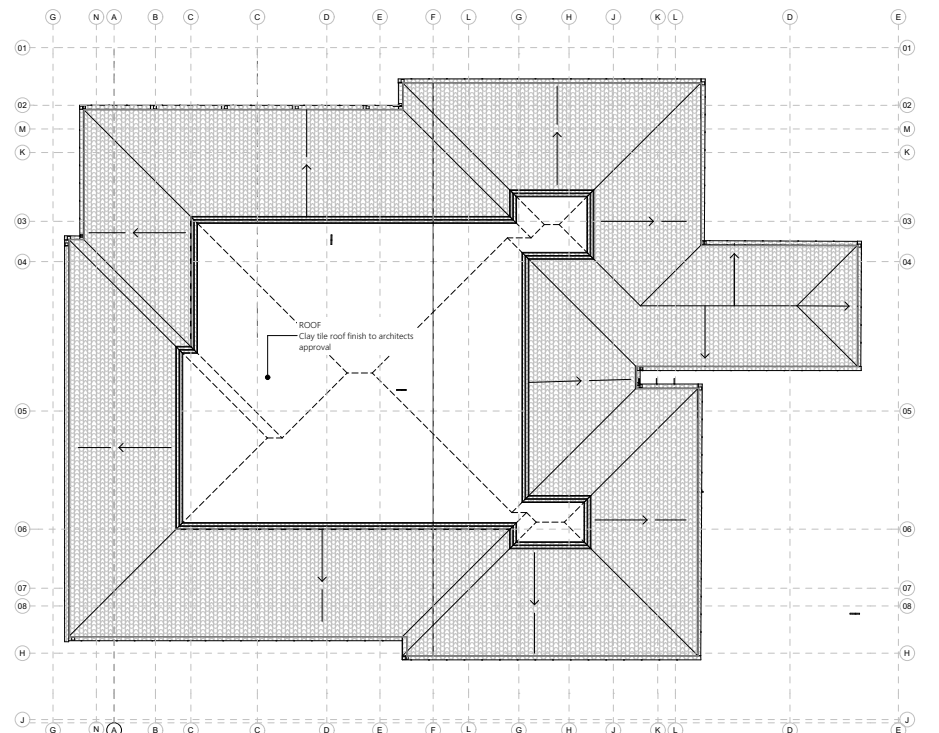
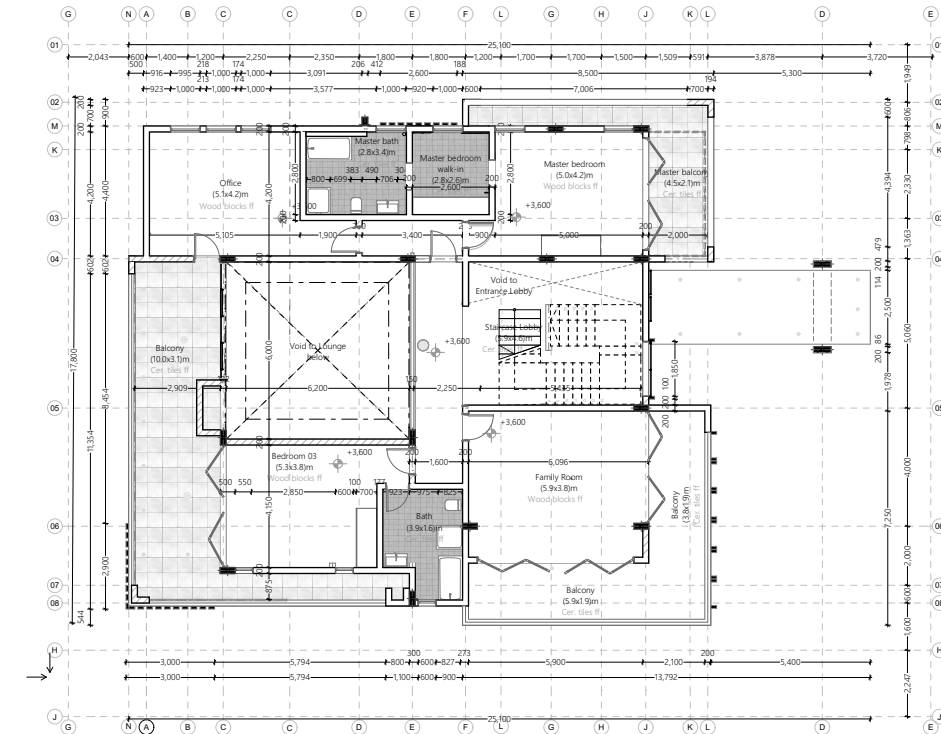
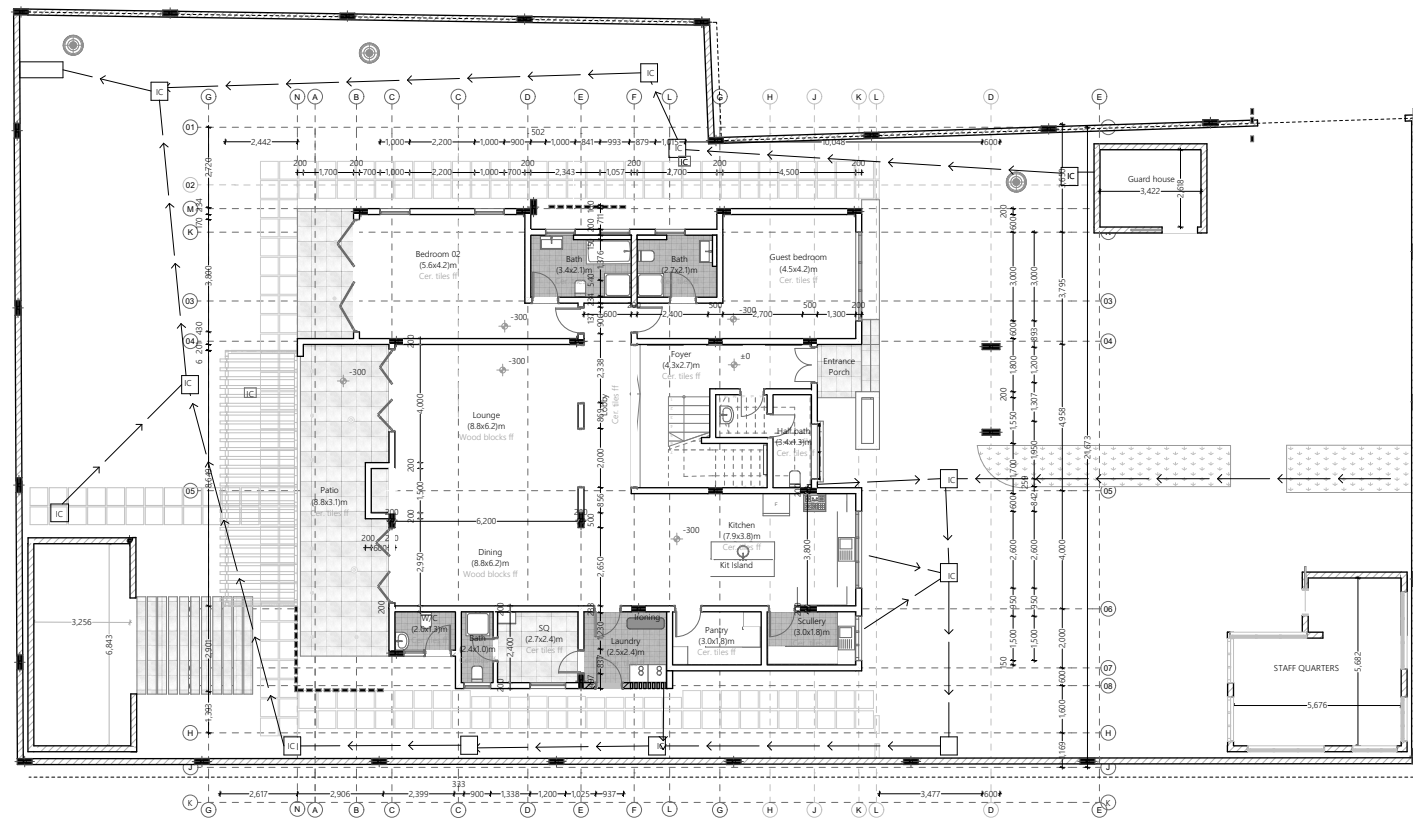
26. Light fitting. Refer to Engineer's dwg's & Specification
for details

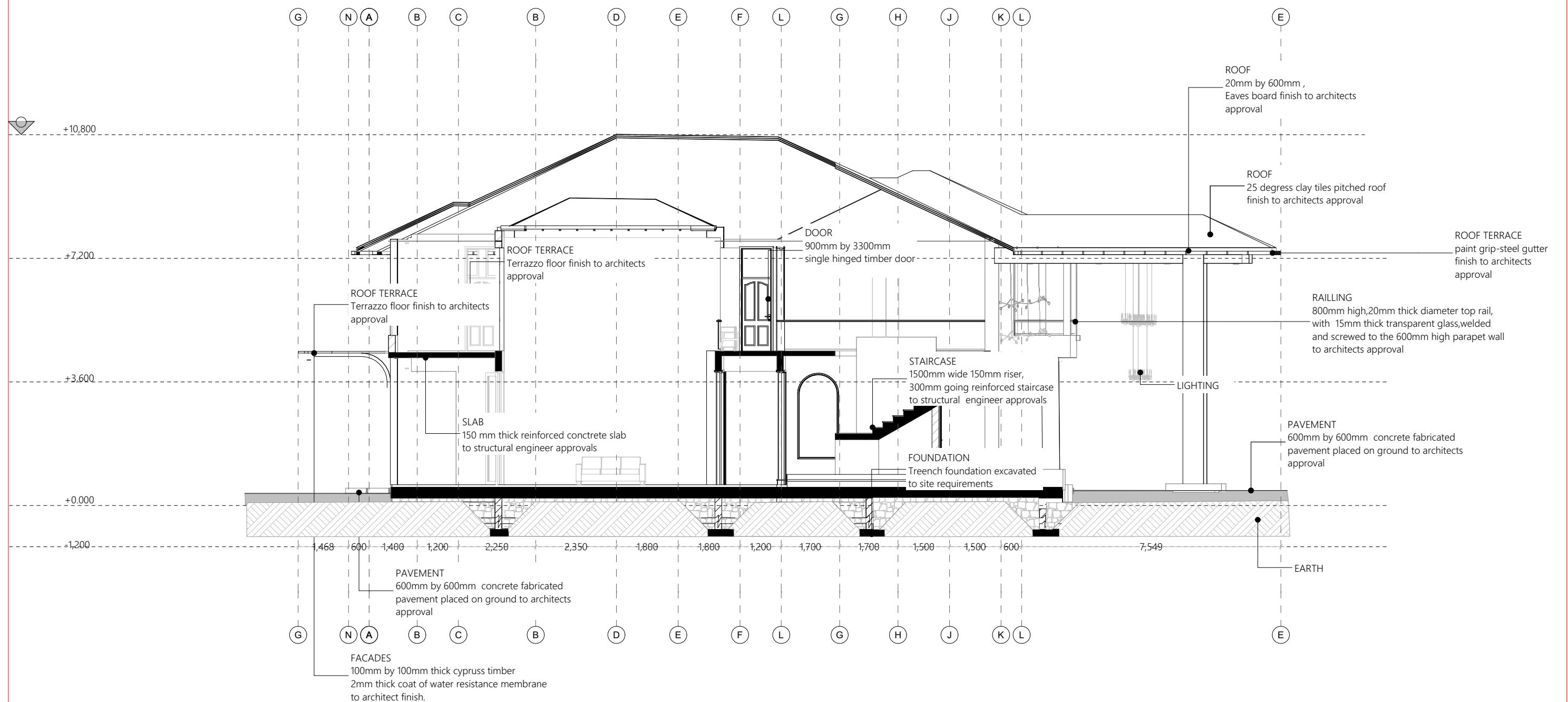
27. Provide reinforced taped junction between plaster
board & plastered R.C. soffit to ensure no cracking occurs





































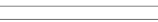























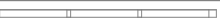

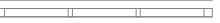

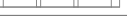































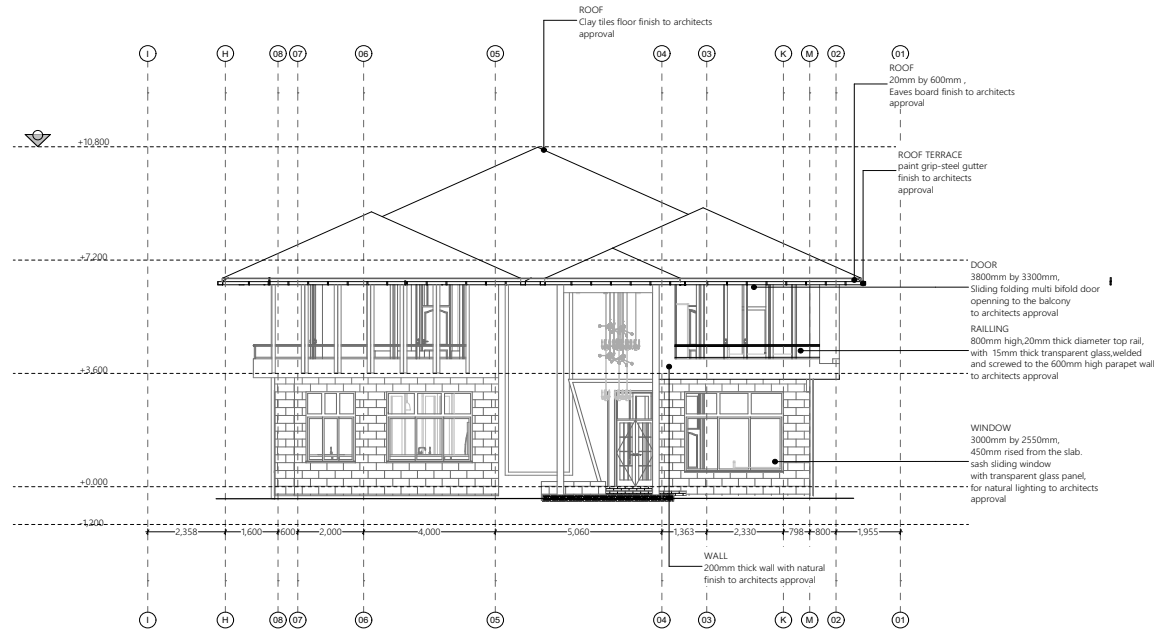
Door Schedule							
Element ID	Opening Name	Quantity	W x H Size	Orientation	Head height	2D Symbol	3D Back View
D02	Sliding Folding Multi...	1	2,550×3,300		3,300		
	Sliding Folding Multi...	1	2,800×3,300		3,300		
D04	Door with Transom 26	1	800×3,300	L	3,300		
	Door with Transom 26	1	800×3,300	R	3,300		
	Door with Transom 26	4	900×3,300	R	3,300		
	Door with Transom 26	5	900×3,300	L	3,300		
D05	Exterior Sliding Door...	1	2,500×2,100	R	2,350		
	Sliding Folding Multi...	1	3,800×3,300		3,300		
D06	Door 26	1	3,440×3,000	L	3,000		
	Door with Transom 26	1	800×3,000	L	3,000		
	Door with Transom 26	1	900×3,000	L	3,000		
	Door with Transom 26	6	900×3,000	R	3,000		
	Exterior Sliding Door...	1	900×2,100	R	2,100		
	Rectangular Door O...	1	900×3,000		3,000		
	Simple Door Opening	1	3,900×3,000		3,000		
	Sliding Folding Multi...	1	4,150×3,000		3,000		
	Sliding Folding Multi...	1	5,300×3,000		3,000		
	Sliding Folding Multi...	2	3,800×3,000		3,000		
D07	Exterior Sliding Door...	1	2,500×2,100	R	2,350		
D08	Pocket Door 26	1	1,200×2,100	R	2,100		
D09	Pocket Door 26	1	900×2,100	L	1,900		
DOO - 001	Metal Door 26	1	800×2,100	L	2,100		
	Metal Door 26	1	800×2,100	R	2,100		
DOO - 002	Door 26	1	2,000×3,300	R	3,300		
	Door 26	1	4,848×3,300	L	3,300		
	Double Door with Tr...	1	1,200×3,000	L	3,000		
DOO - 003	Door 26	1	2,000×3,300	L	3,300		

door schedule

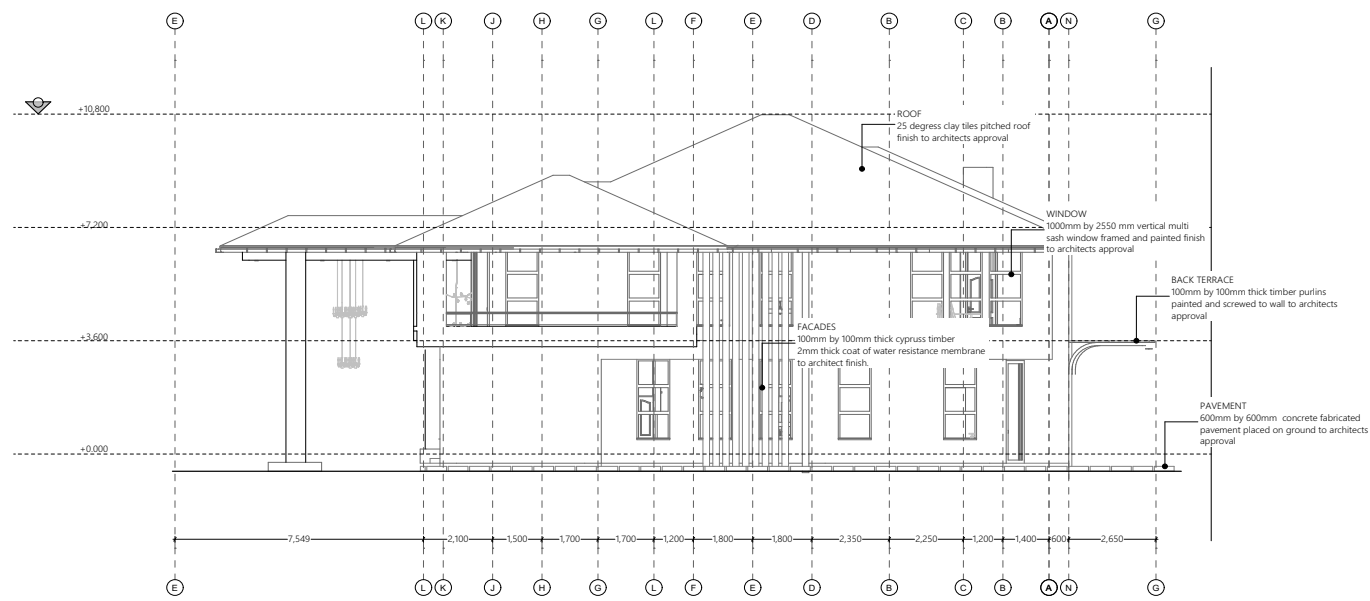
door schedule

Window Schedule						
Element ID	Opening Name	Quantity	W x H Size	Orientation	2D Symbol	3D Back View
W01	3-Sash Sliding Wind...	1	3,000×2,550			
	3-Sash Sliding Wind...	4	2,600×2,250			
	3-Sash Sliding Wind...	5	1,500×2,250			
	Simple Window Ope...	1	1,850×2,550	L		
	Simple Window Ope...	1	1,850×2,999	R		
	Simple Window Ope...	1	800×1,200	L		
	Simple Window Ope...	2	1,000×2,700	R		
	Vertical Multi-Sash ...	1	1,200×2,550			
	Vertical Multi-Sash ...	1	600×2,250			
	Vertical Multi-Sash ...	1	710×2,250			
	Vertical Multi-Sash ...	1	900×2,250			
	Vertical Multi-Sash ...	2	600×2,550			
	Vertical Multi-Sash ...	6	1,000×2,550			
	Vertical Multi-Sash ...	8	1,000×2,551			
W02	Simple Window Ope...	1	800×1,200	L		
	Simple Window Ope...	1	800×1,200	L		

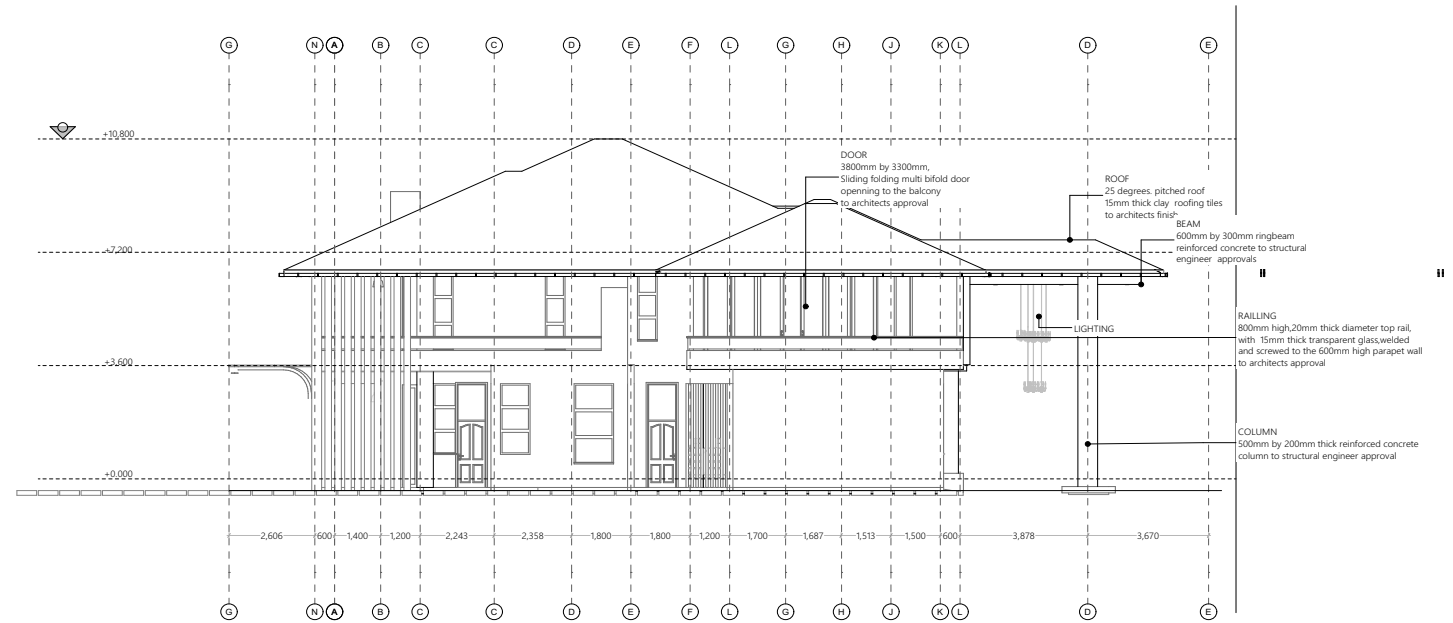
window schedule



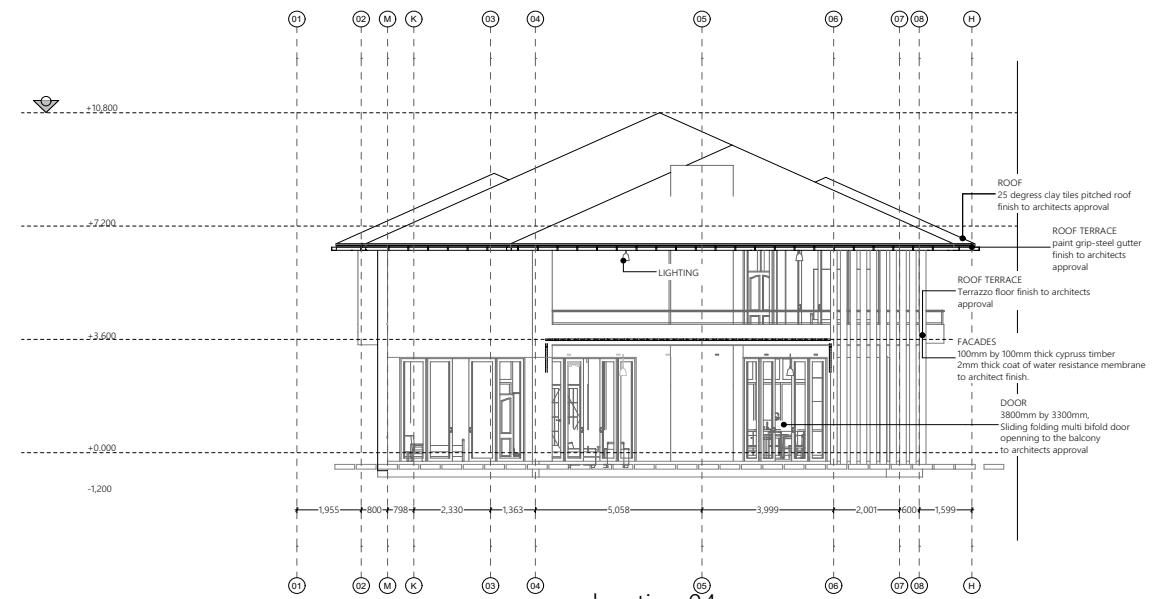
elevation 02



elevation 01



elevation 03



elevation 04



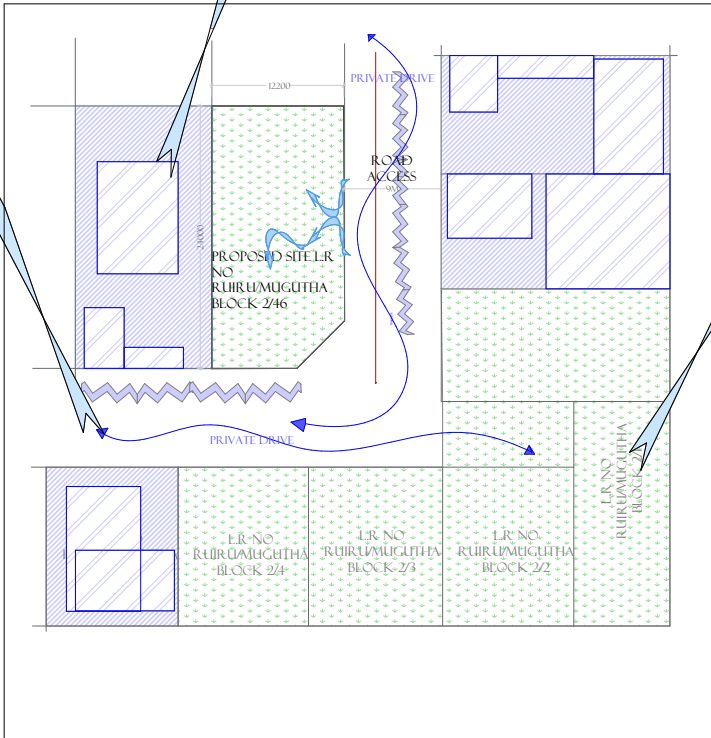
VEGETATION COVER
SOIL TYPE



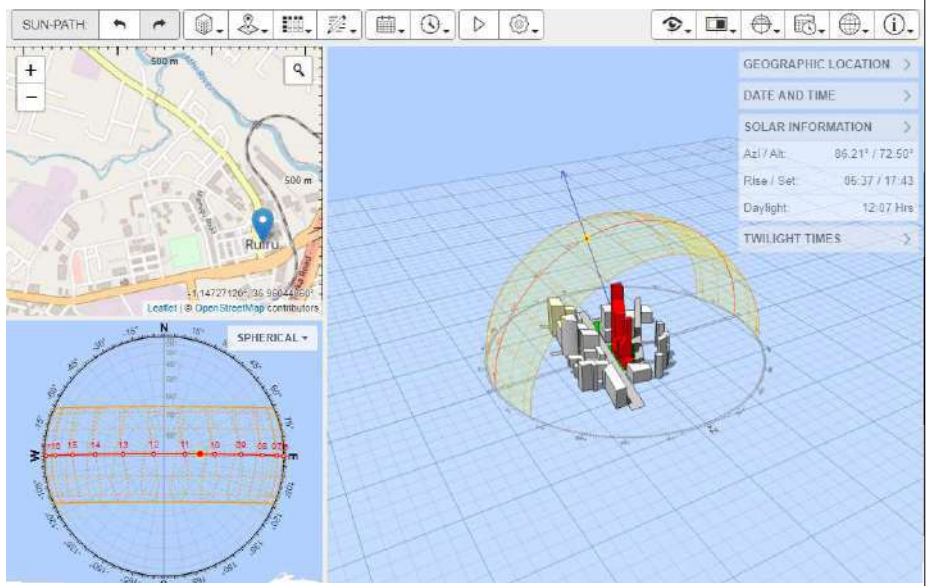
NEIGHBORHOOD

ACCESS PATH
WAYS

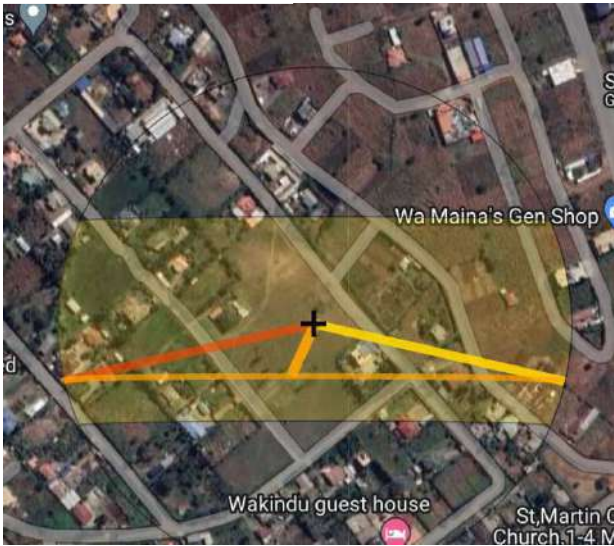
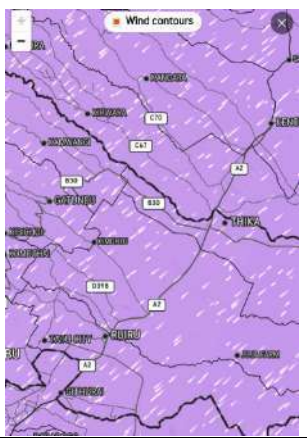
AIR CURRENT
FLOW



SITE LOCATION



SHADOW PATH



SUN PATH



EARTH MAP



AFRICAN MAP

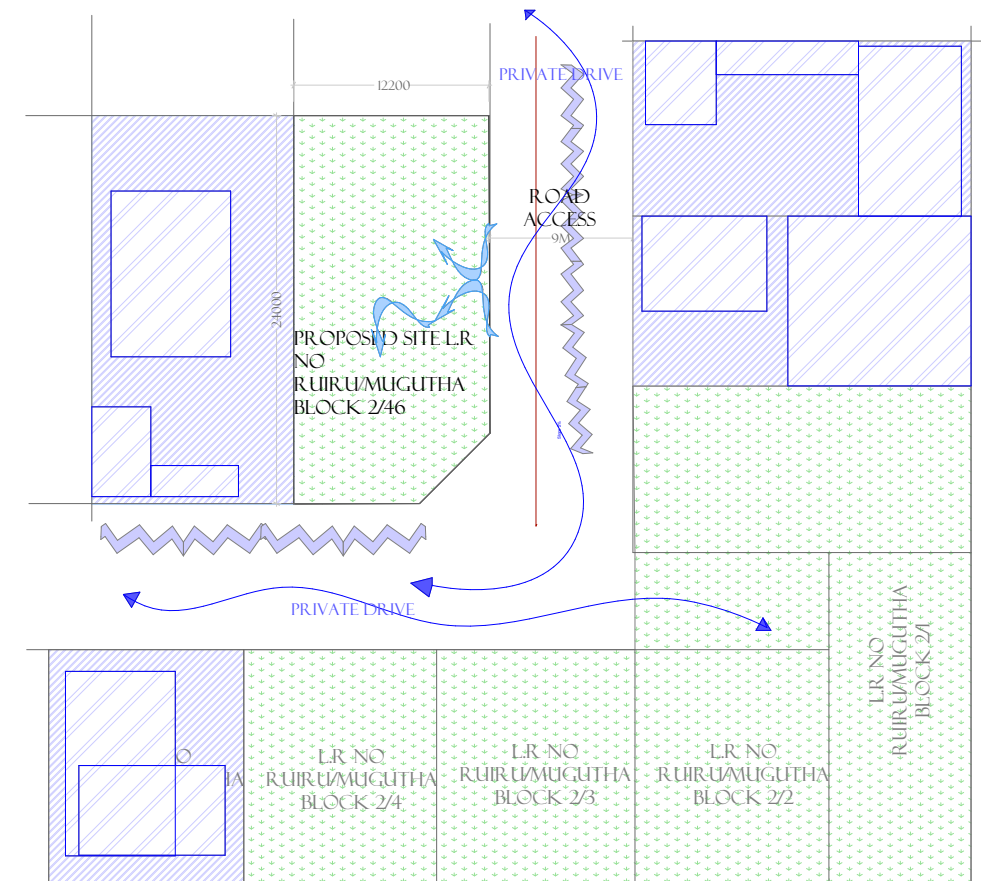


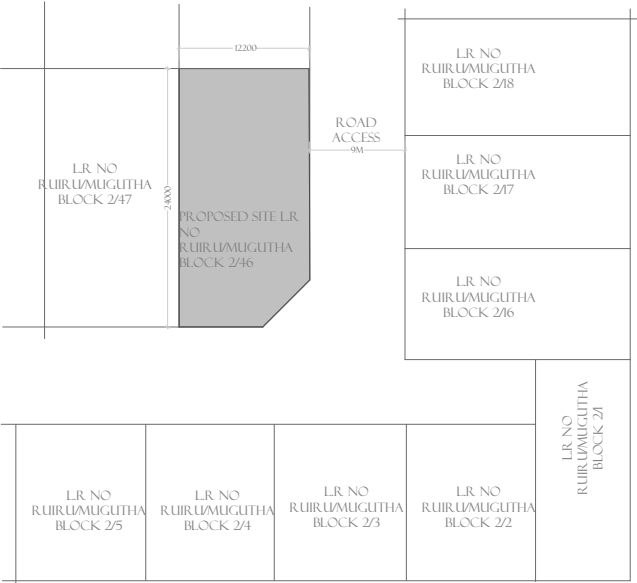
KENYAN MAP



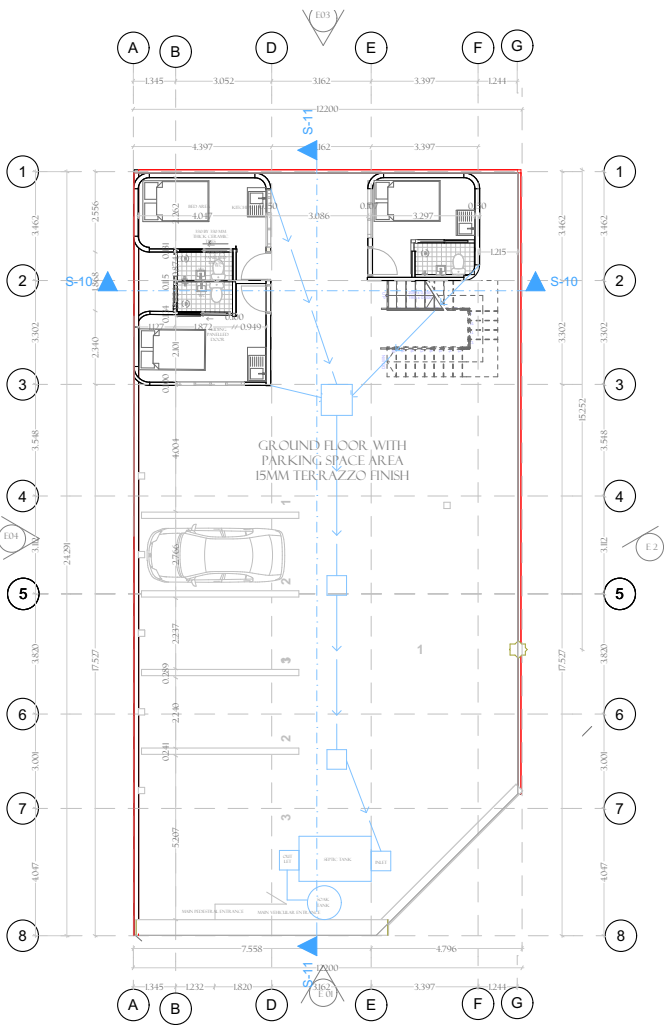
RUIRU MUGUTHA WARD IN KENYA MAP

RUIRU
MUGUTHA
PLOT
NUMBER
2/46





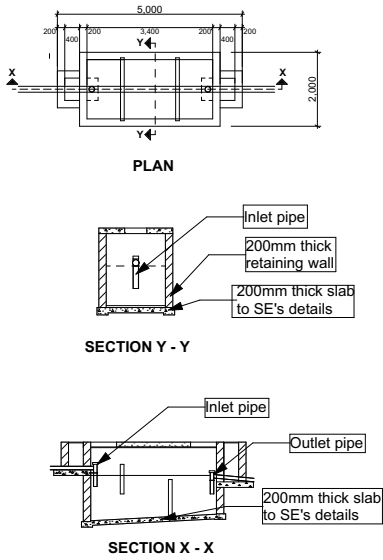
BLOCK PLAN



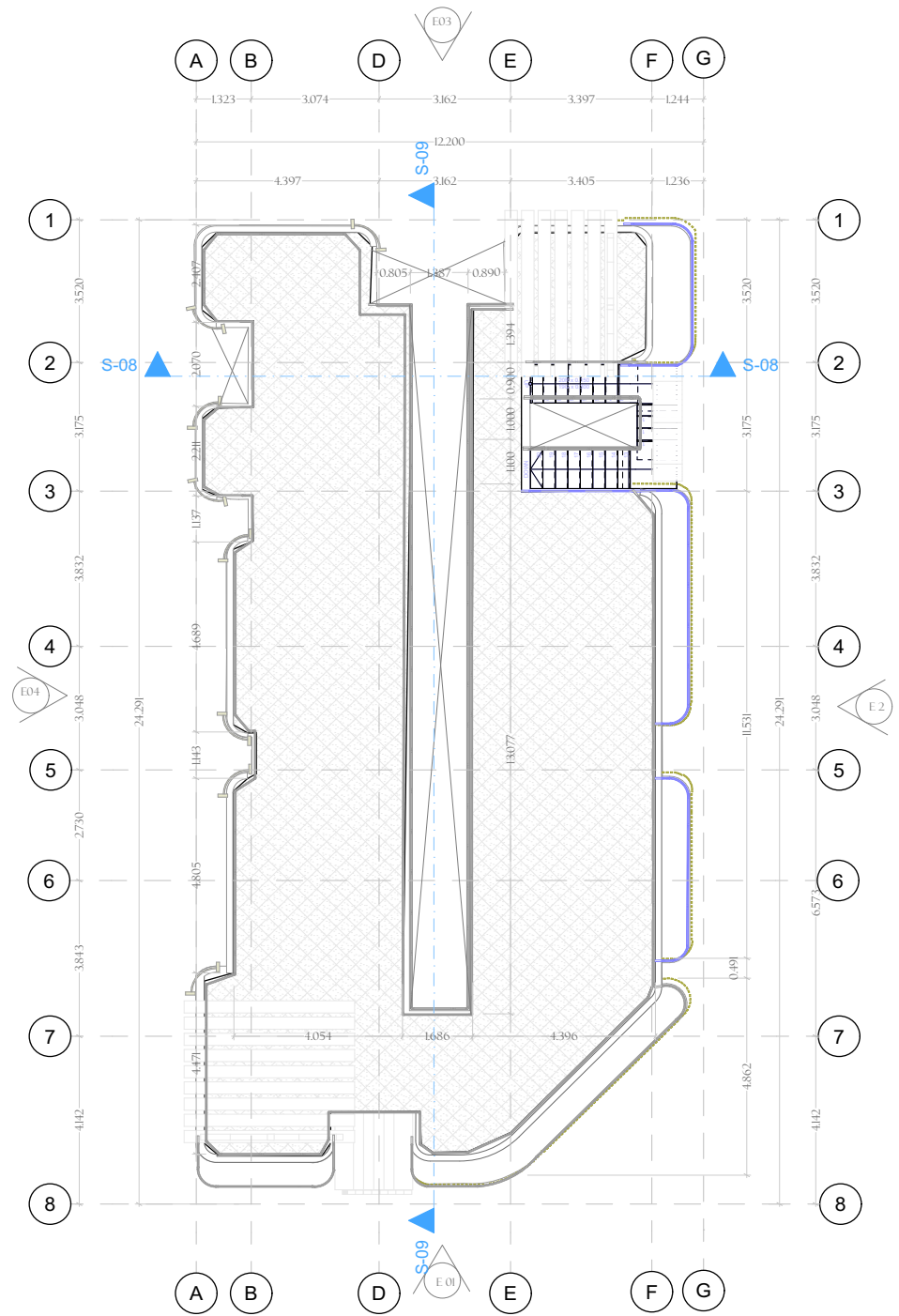
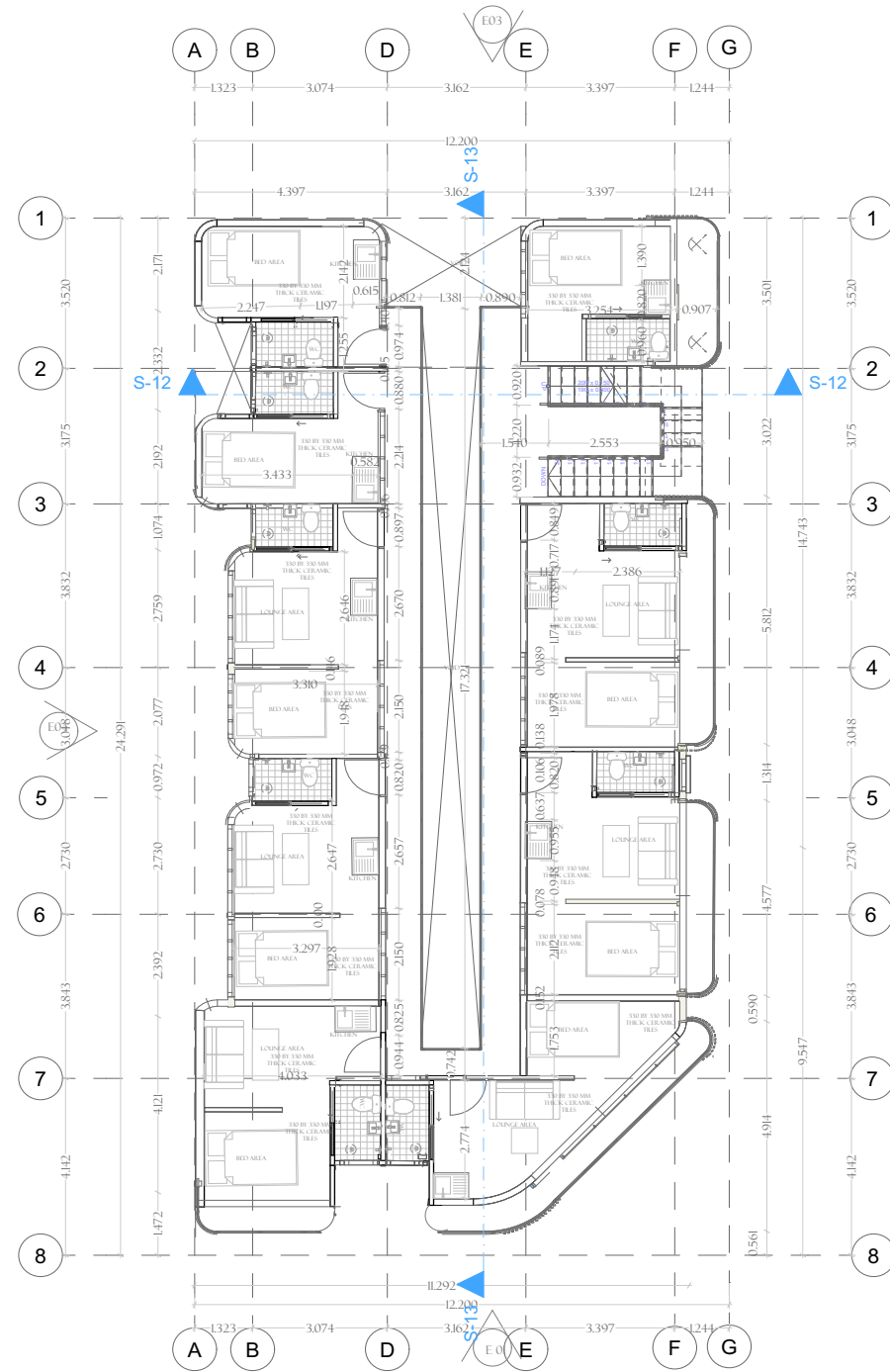
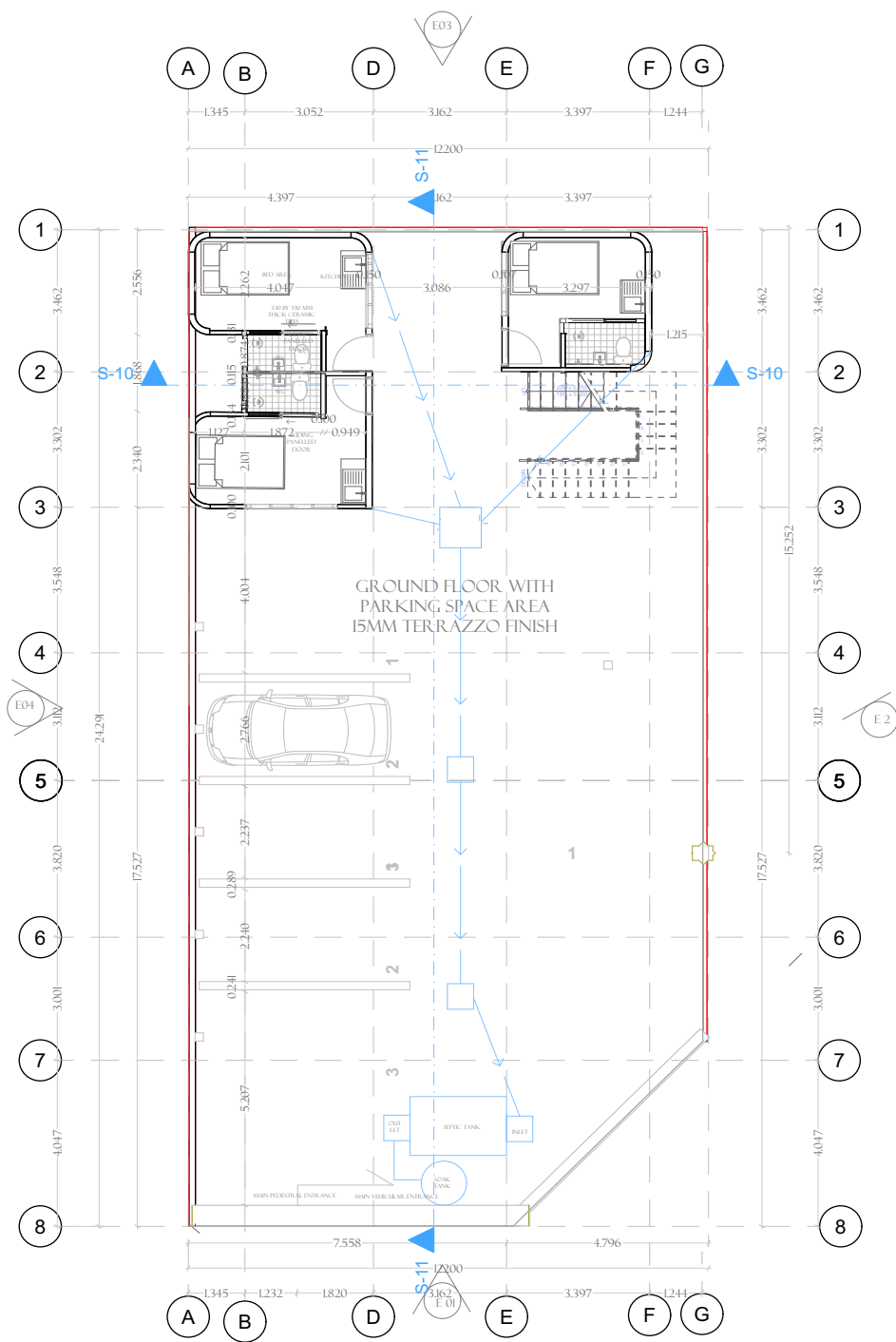
SEPTIC TANKS NOTES
Capacity in Lts: 9000
No. of persons: 30
Desulding intervals: 2 years

NOTES

1. Cover slab to be reinforced with 10mm bars both ways- concrete class 20 (1 : 2 : 4)
2. Base slab to be concrete class A mix (1:3:6)
3. Outlet and inlet pipes to 100mm diameter cast iron.
4. Scum baffle to be 100mm thick with 2 no. 10mm bars at both ends concrete class 20.
5. Dividing wall to be 100mm thick concrete class 20 reinforced with weld mesh no. 65



TYPE	CAPACITY IN LITRES	NO. OF PERSONS	DESULGING INTERVALS	DIMENSIONS IN MM						
				A	B	C	D	E	F1	F2
A	3000	10	2	800	1000	1000	3000	800	1200	1400
B	6000	20	2	800	1400	1200	3600	1400	1500	1400
C	9000	30	2	800	1400	1200	3600	1800	1500	1400
D	12000	40	2	800	1600	1400	4000	2000	1500	1300
E	15000	50	2	800	1600	1400	4000	2400	1500	1200
F	22500	100	1.5	800	3600	1800	5600	3000	1850	1500
G	45000	200	1.5	800	5600	2800	8600	3600	2040	1500
H	67500	300	1.5	800	7600	3800	11600	4000	2260	1500
I	90000	400	1.5	800	8800	4400	13600	4000	2380	1500





SECTION

