

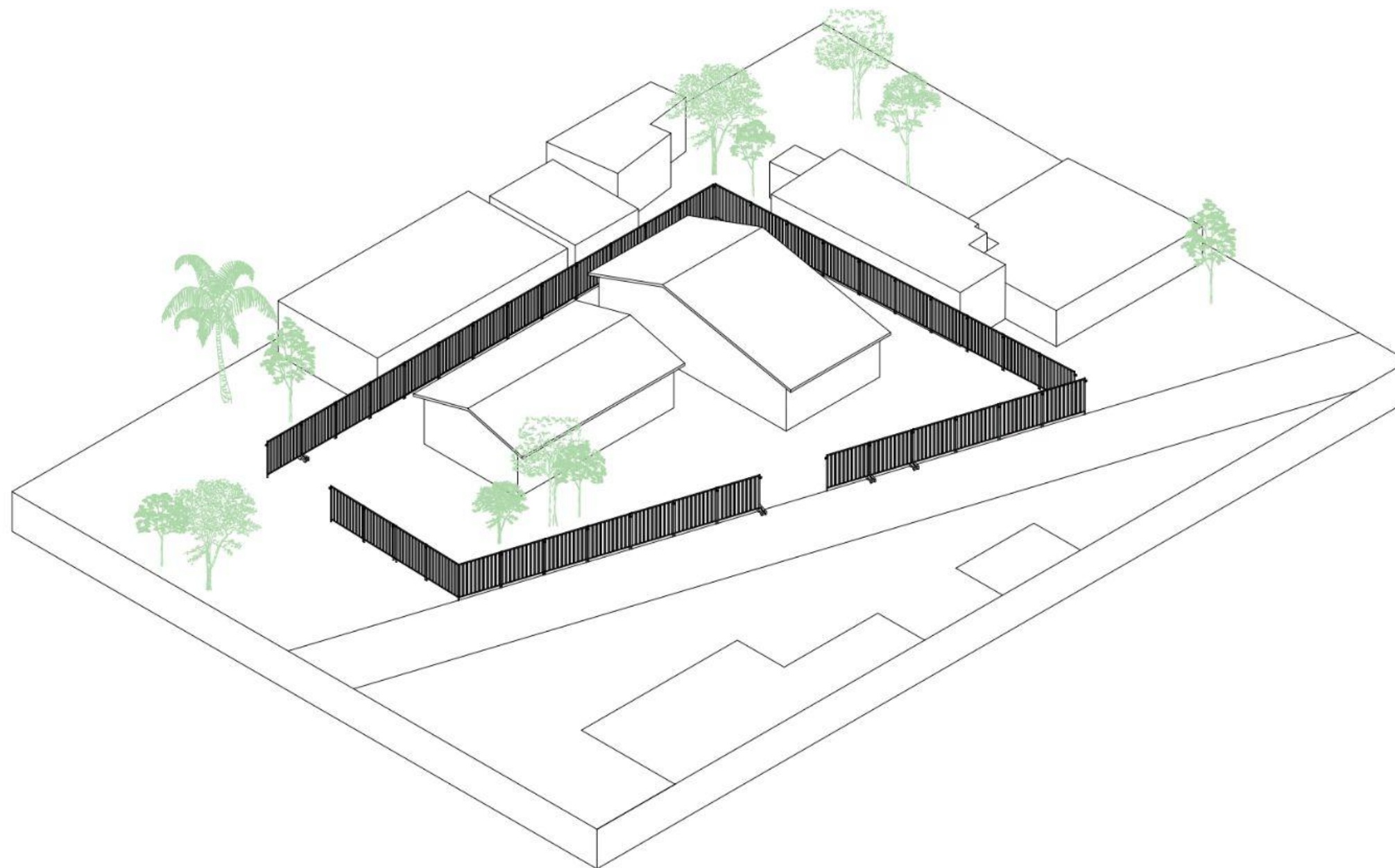
BUILDING MAKING

PROCESS

YASH SHAH

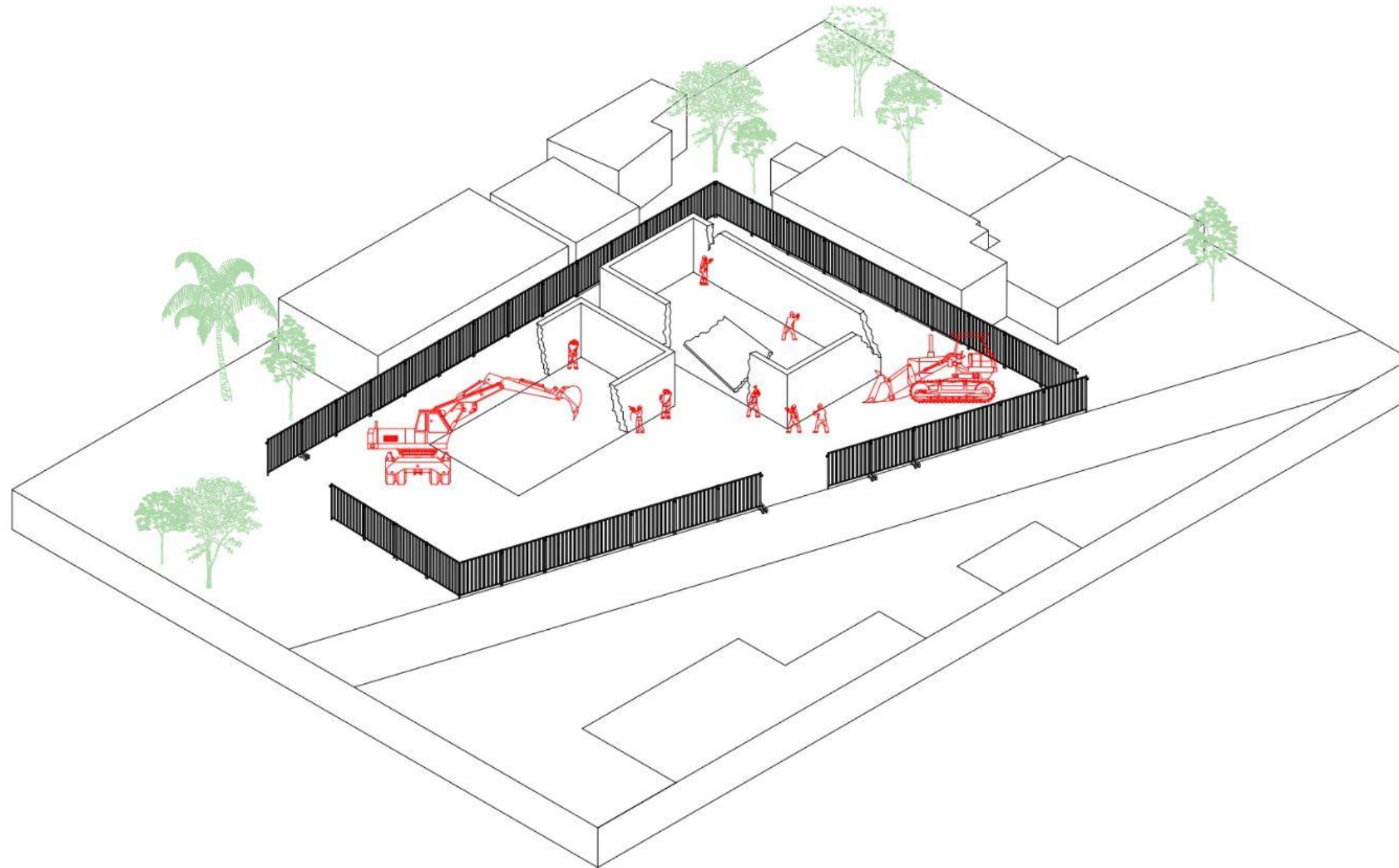
STAGES

- XX Site Demarcation
- XX Site Demolition and Clearing
- XX Site Clearing
- XX Site Management
 - Site Management Plan
- XX Setting Out
 - Lineout Plan
- XX Excavation Pit Preparation & Shoring
- XX Foundation Formwork
 - Foundation Plan
- XX Plinth and Steps Preparation
- XX Load Bearing Walls, Ground Floor
 - Ground Floor Plan
- XX Ground Floor Beams and Slab
- XX Load Bearing Walls, First Floor
 - First Floor Plan
- XX Partition Walls, Window & Door Frame Installation
- XX Roof Structure
- XX Roof Work
 - Roof Plan
- XX Plastering & Finishing
 - Door - Window Detail, External Wall Section, Toilet Detail
- XX Entire Built Form with Site



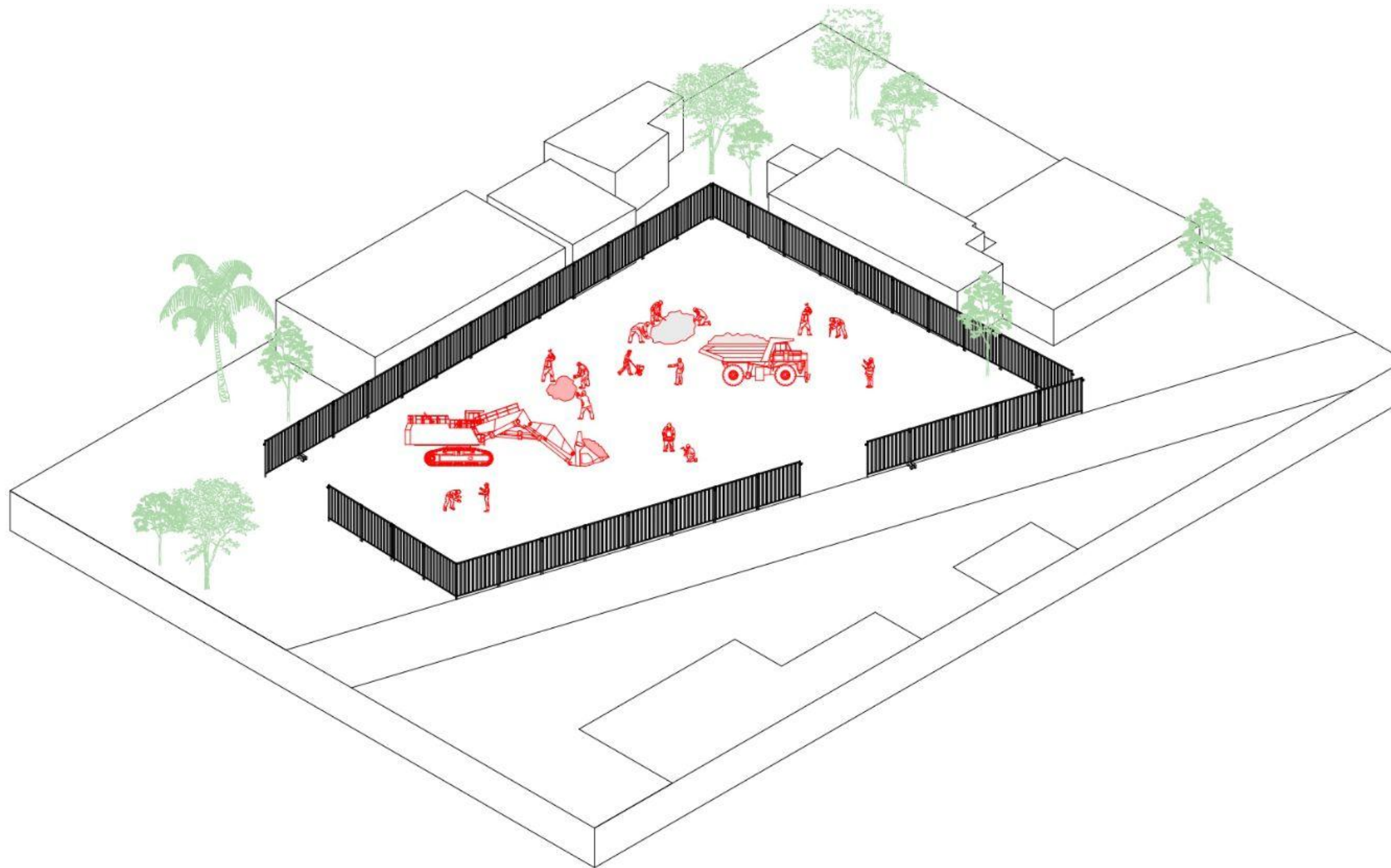
Site Demarcation

Locating and Barricading the site using corrugated sheets or fence.



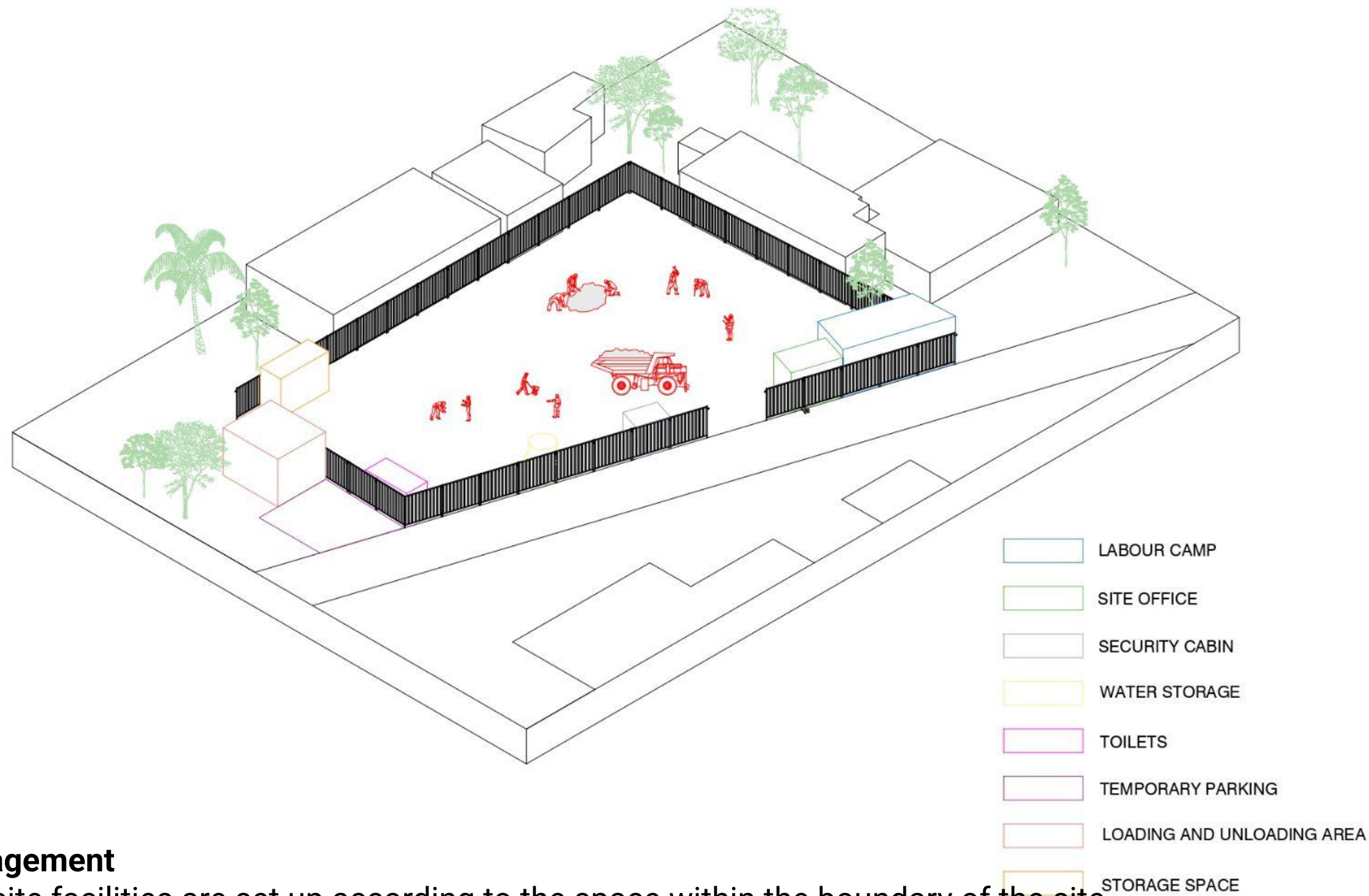
Site Demolition

Demolition of the existing structure.



Site clearing

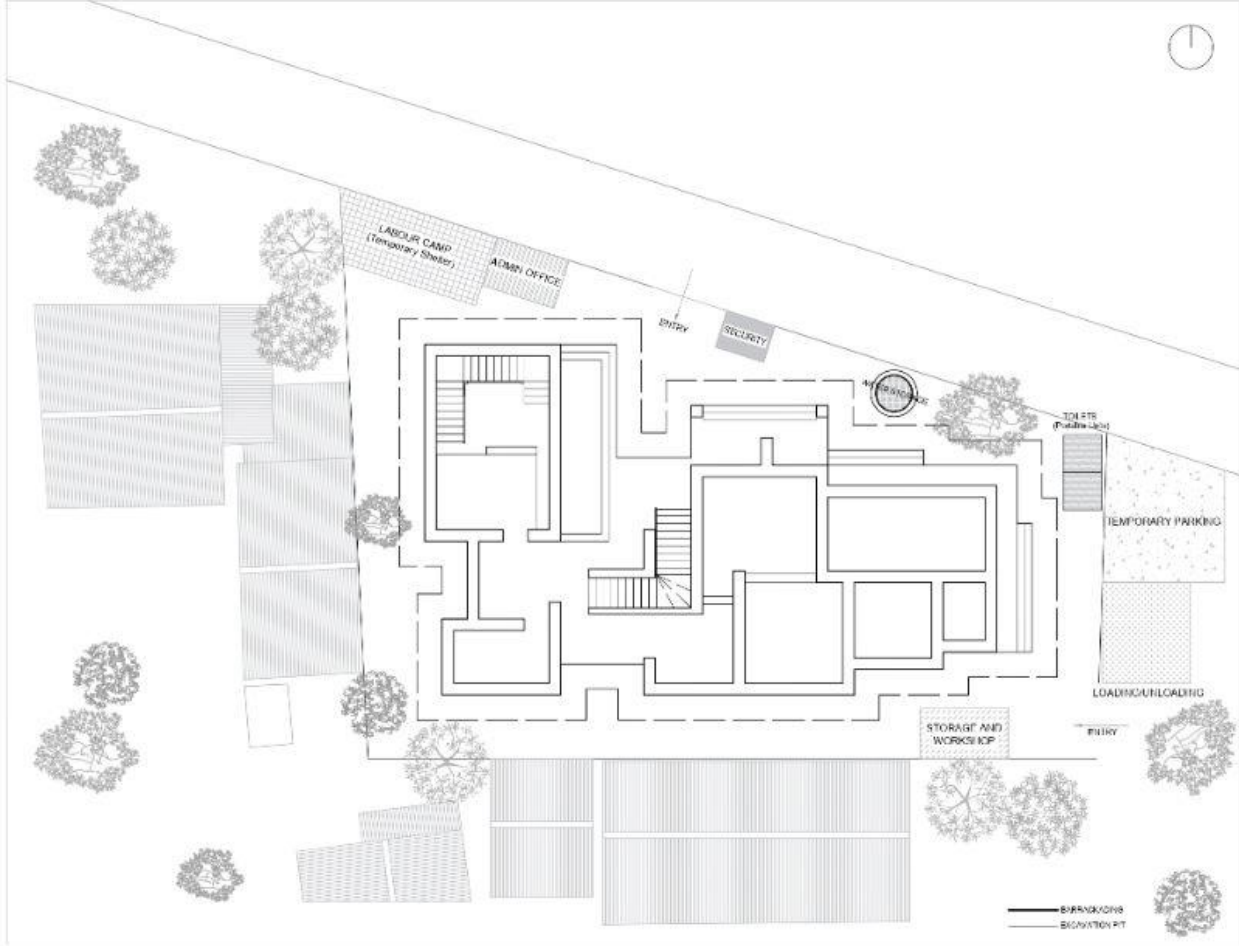
Clearing the site and preparing for lineout.



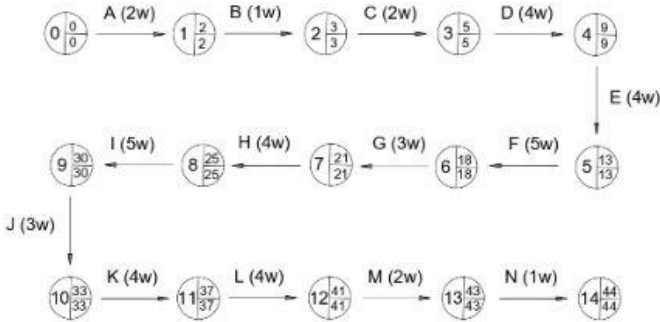
Site Management

Different site facilities are set up according to the space within the boundary of the site.

	TASK TYPE
A	DEMOLITION AND SITE CLEARANCE
B	DEMARCATION OF SITE
C	PREPARATION OF GROUND (EXCAVATION, SHORING)
D	FOOTING/ FOUNDATION MAKING
E	PLINTH FILLING AND PLINTH STEPS
F	BRICKWORK FIRST LEVEL
G	SECOND LEVEL FORMWORK (SLAB AND RUNNER BEAM)
H	BRICKWORK SECOND LEVEL
I	ROOF
J	INSTALLING WINDOW/DOOR FIXTURES
K	CONDUITING AND PLUMBING
L	FLOORING, EXTERNAL AND INTERNAL WALL PLASTER
M	EXTERNAL AND INTERNAL FIXTURES
N	CLEANING AND HANDOVER



CRITICAL PATH DIAGRAM

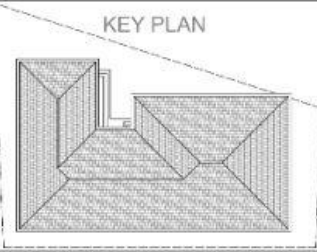


	TASK TYPE	DURATION (WEEKS)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
A	DEMOLITION AND SITE CLEARANCE	2 WEEKS																																												
B	DEMARCATION OF SITE	1 WEEKS																																												
C	PREPARATION OF GROUND (EXCAVATION, SHORING)	2 WEEKS																																												
D	FOOTING/ FOUNDATION MAKING	4 WEEKS																																												
E	PLINTH FILLING AND PLINTH STEPS	4 WEEKS																																												
F	BRICKWORK FIRST LEVEL	5 WEEKS																																												
G	SECOND LEVEL (SLAB AND RUNNER BEAM)	3 WEEKS																																												
H	BRICKWORK SECOND LEVEL	4 WEEKS																																												
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J	INSTALLING WINDOW/DOOR FIXTURES	3 WEEKS																																												
K	CONDUITING AND PLUMBING	4 WEEKS																																												
L	FLOORING, EXTERNAL AND INTERNAL WALL PLASTER	4 WEEK																																												
M	EXTERNAL AND INTERNAL FIXTURES	2 WEEKS																																												
N	CLEANING AND HANDOVER	1 WEEK																																												

GENERAL NOTES

All dimensions are mentioned in millimetres and levels in metres unless otherwise specified.
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P.C.C. (1:3:6)
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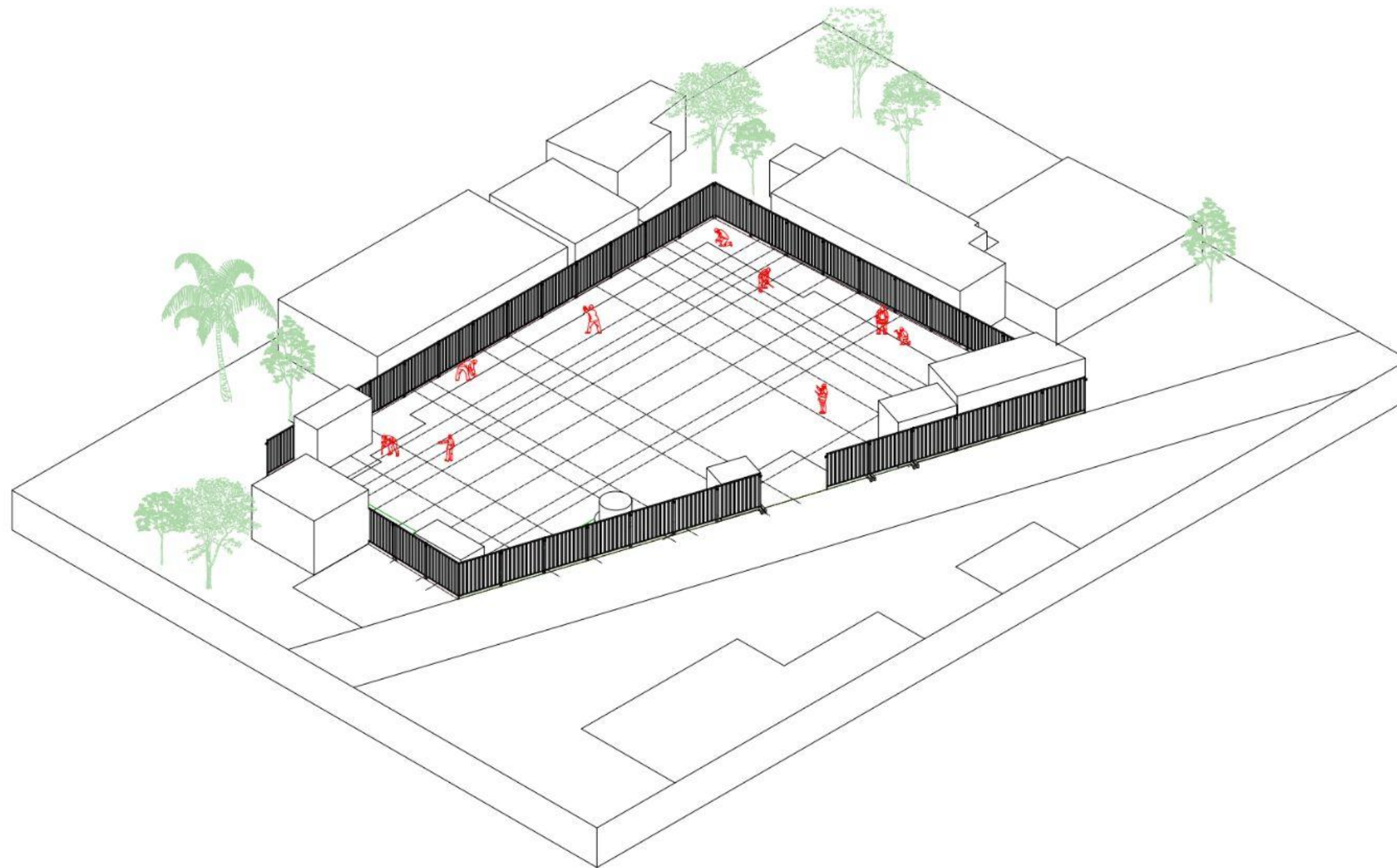
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SCHEME HOUSE
BOT VILLAGE, PALGHAR

YASH SHAH
ROLL NO | A22 - 39
THIRD YEAR B.Arch
2024 - 2025

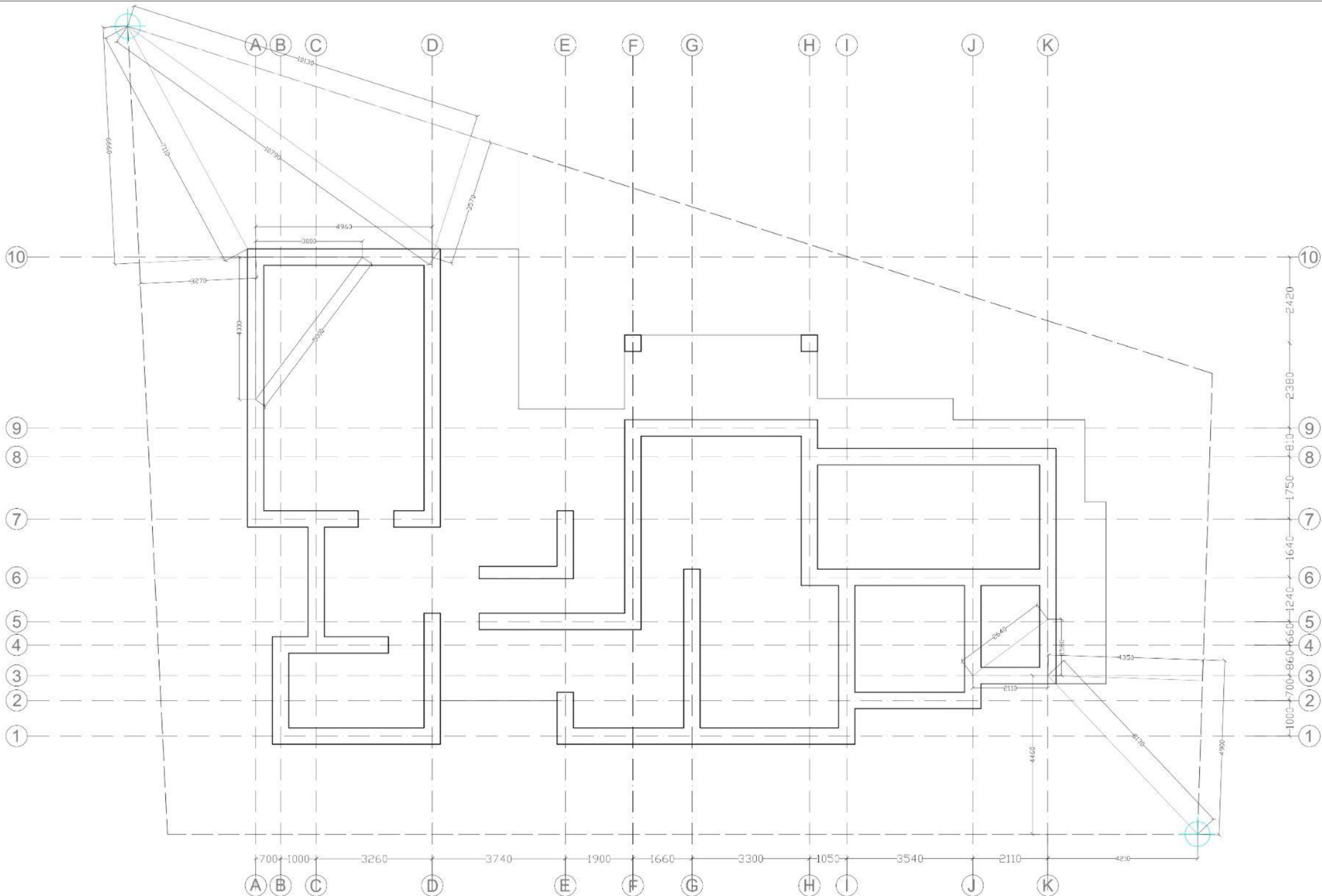
SCHOOL OF ENVIRONMENT
AND ARCHITECTURE

NORTH	SCALE
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DRAWING TITLE & NUMBER	
SITE MANAGEMENT WD - SEA - A - 02	



Setting Out For Excavation Pit

The Structural grid is marked on the site to start the construction.

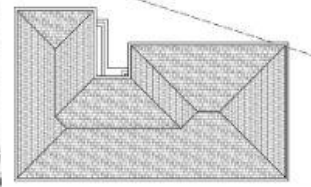


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KEY PLAN



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SCHOOL OF ENVIRONMENT
AND ARCHITECTURE

NORTH

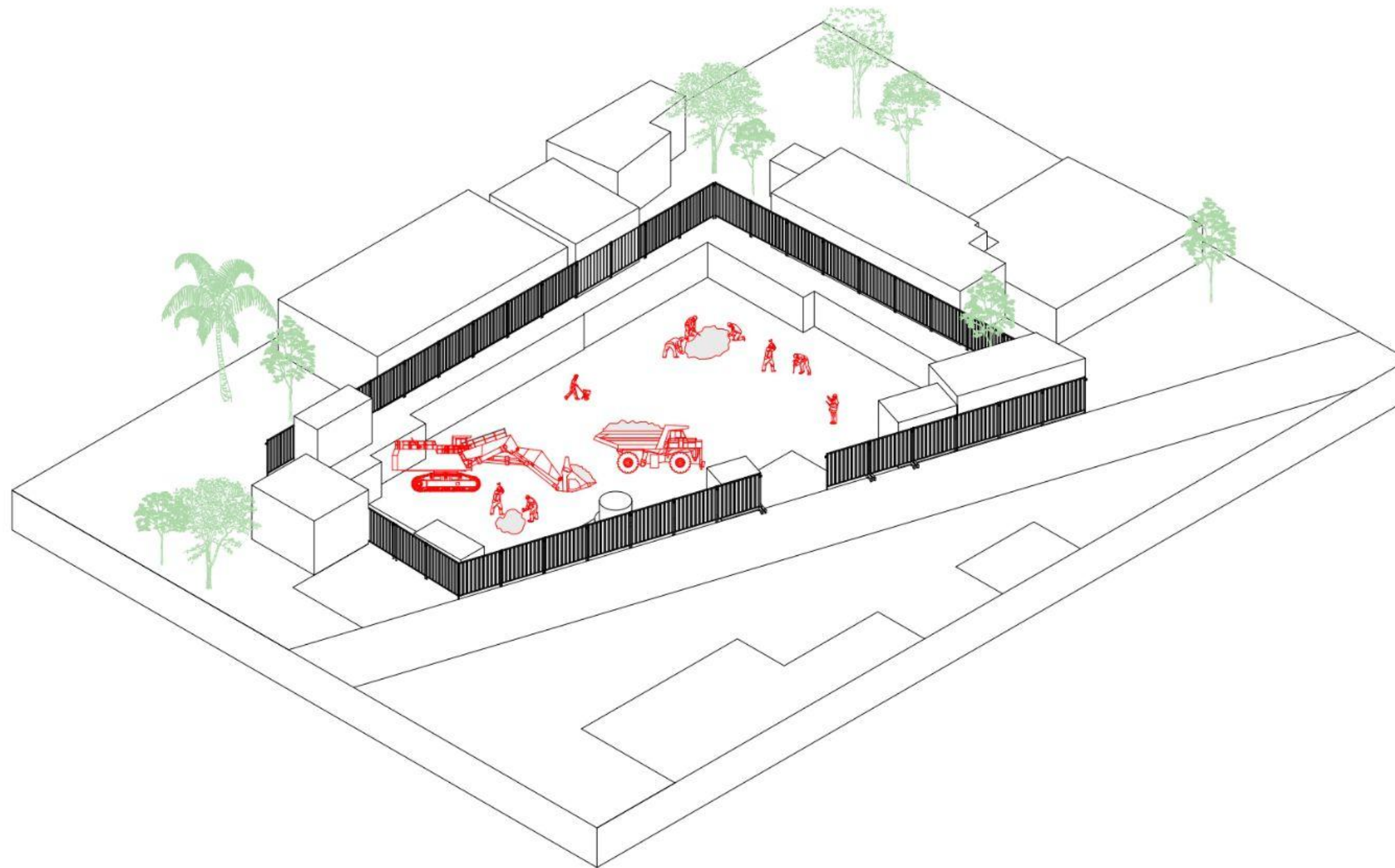


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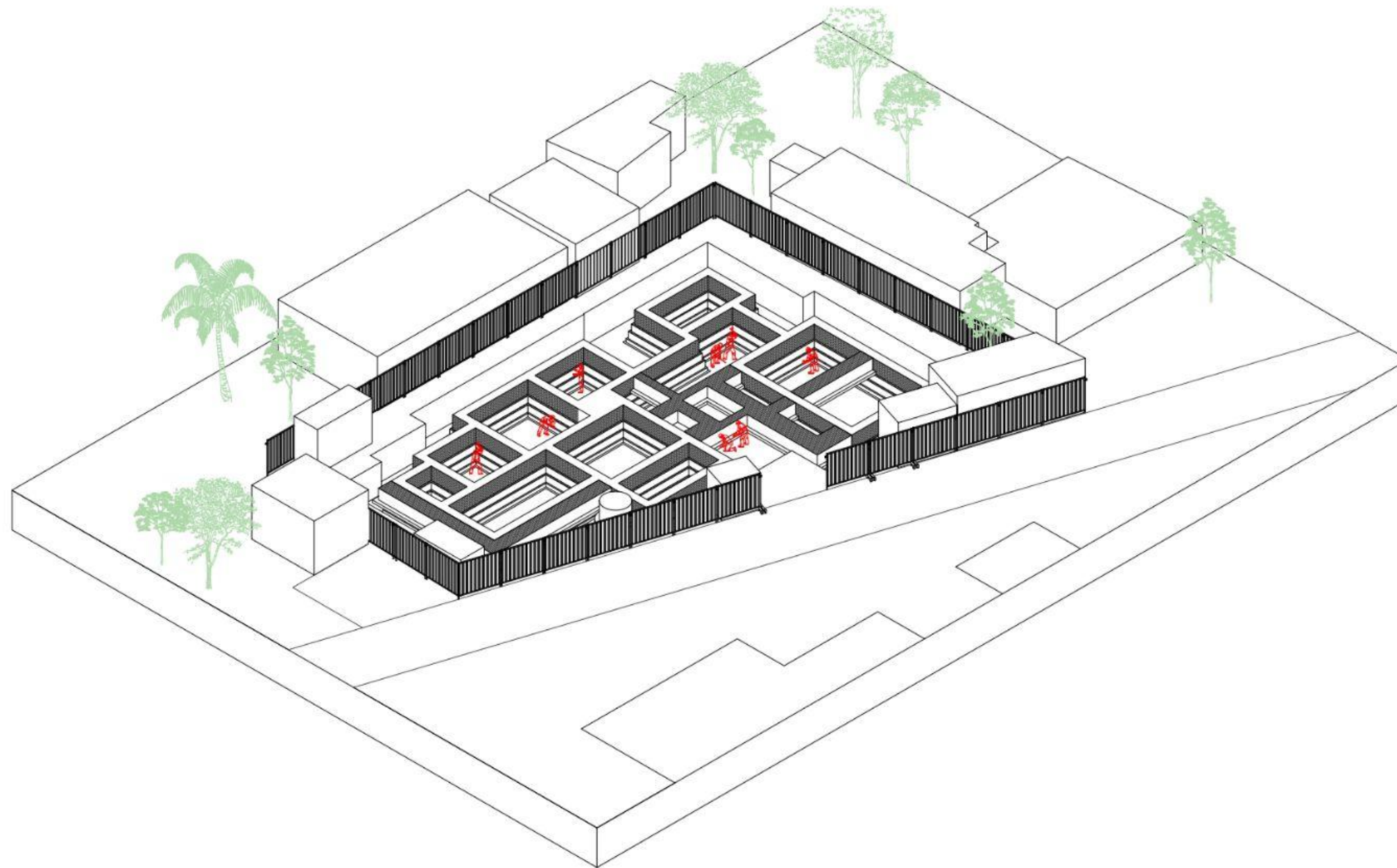
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LINEOUT PLAN
WD - SEA - A - 04



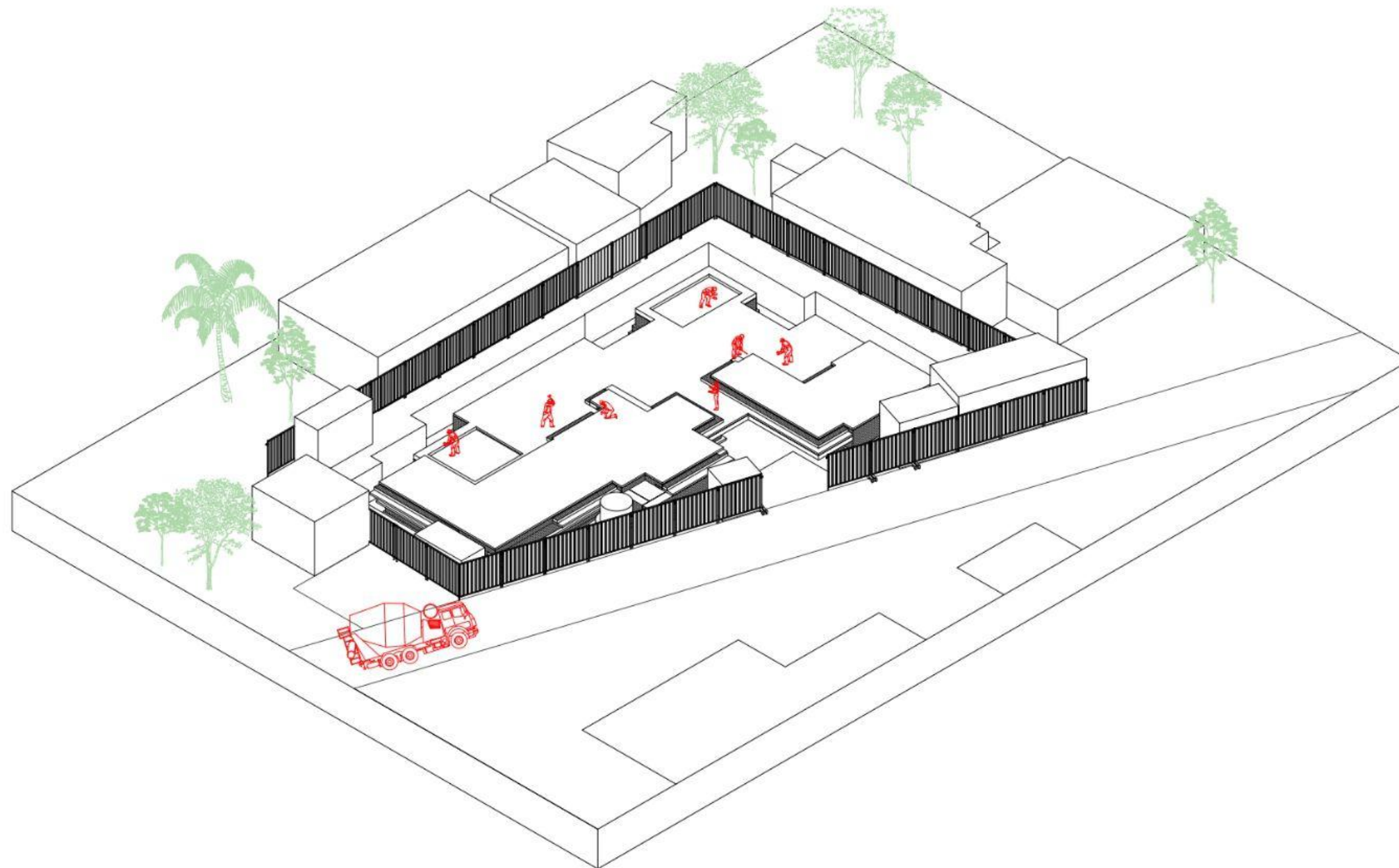
Excavation Pit Preparation & Shoring

The soil is excavated and the pit is prepared for the construction of foundation.



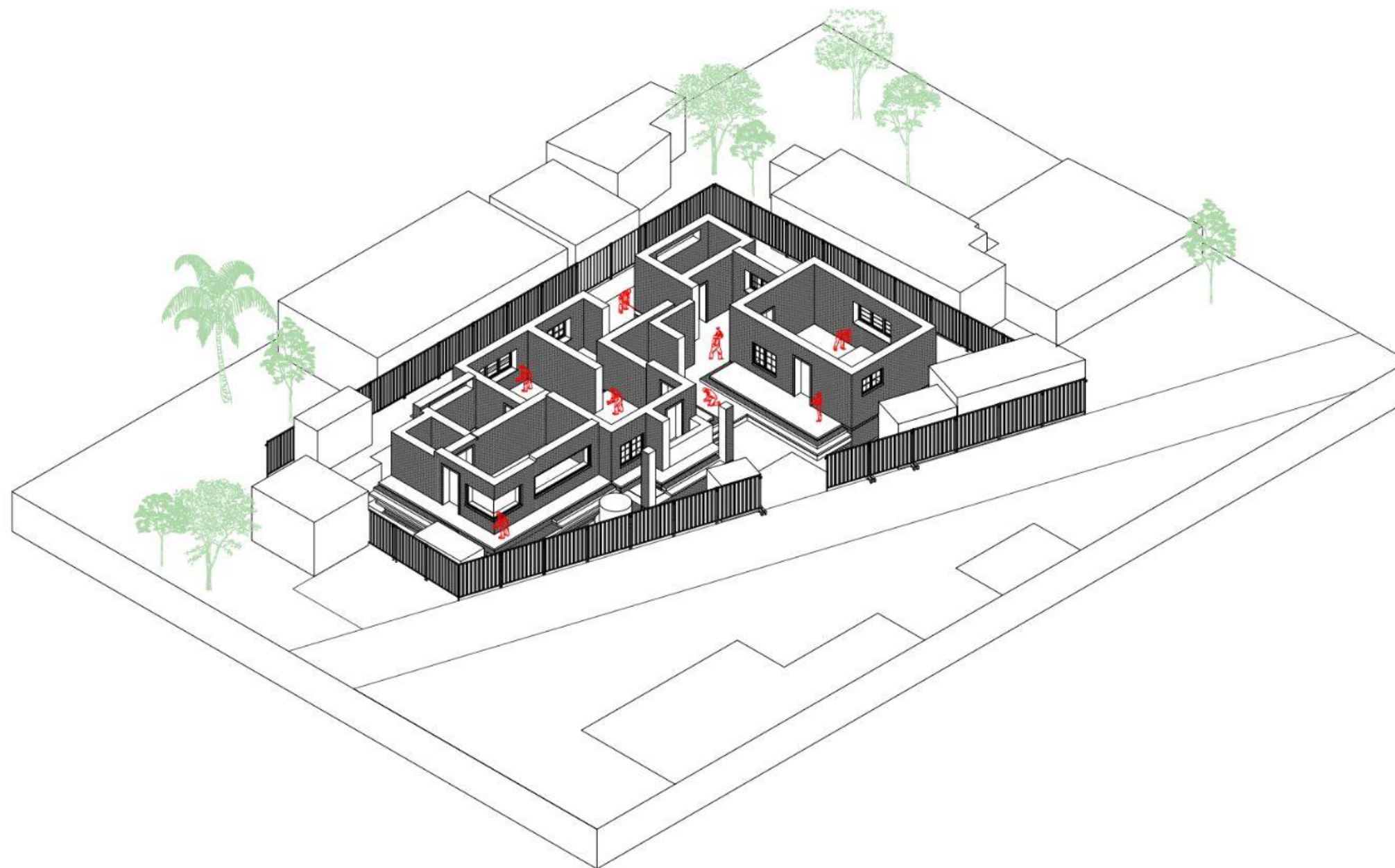
Foundation

The foundation is build till the ground floor and the soil is filled in the gaps to start the plinths construction



Plinth and steps

The plinth is constructed with step up and step down making the plinth at different levels.



Ground floor walls, columns

The masonry walls and brick piers are constructed including the sill and lintel for openings.

FINISHED OVERALL DIMENSION
UNFINISHED OVERALL DIMENSION
OFFSET DIMENSION
SOLID - VOID DIMENSION

FINISHED OVERALL DIMENSION
UNFINISHED OVERALL DIMENSION
OFFSET DIMENSION
SOLID - VOID DIMENSION

SOLID - VOID DIMENSION
OFFSET DIMENSION
UNFINISHED OVERALL DIMENSION
FINISHED OVERALL DIMENSION
GRID DIMENSION

GRID DIMENSION
SOLID - VOID DIMENSION
OFFSET DIMENSION
UNFINISHED OVERALL DIMENSION
FINISHED OVERALL DIMENSION

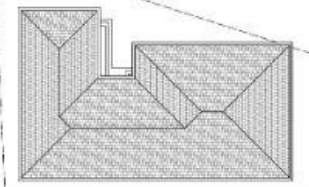
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NORTH

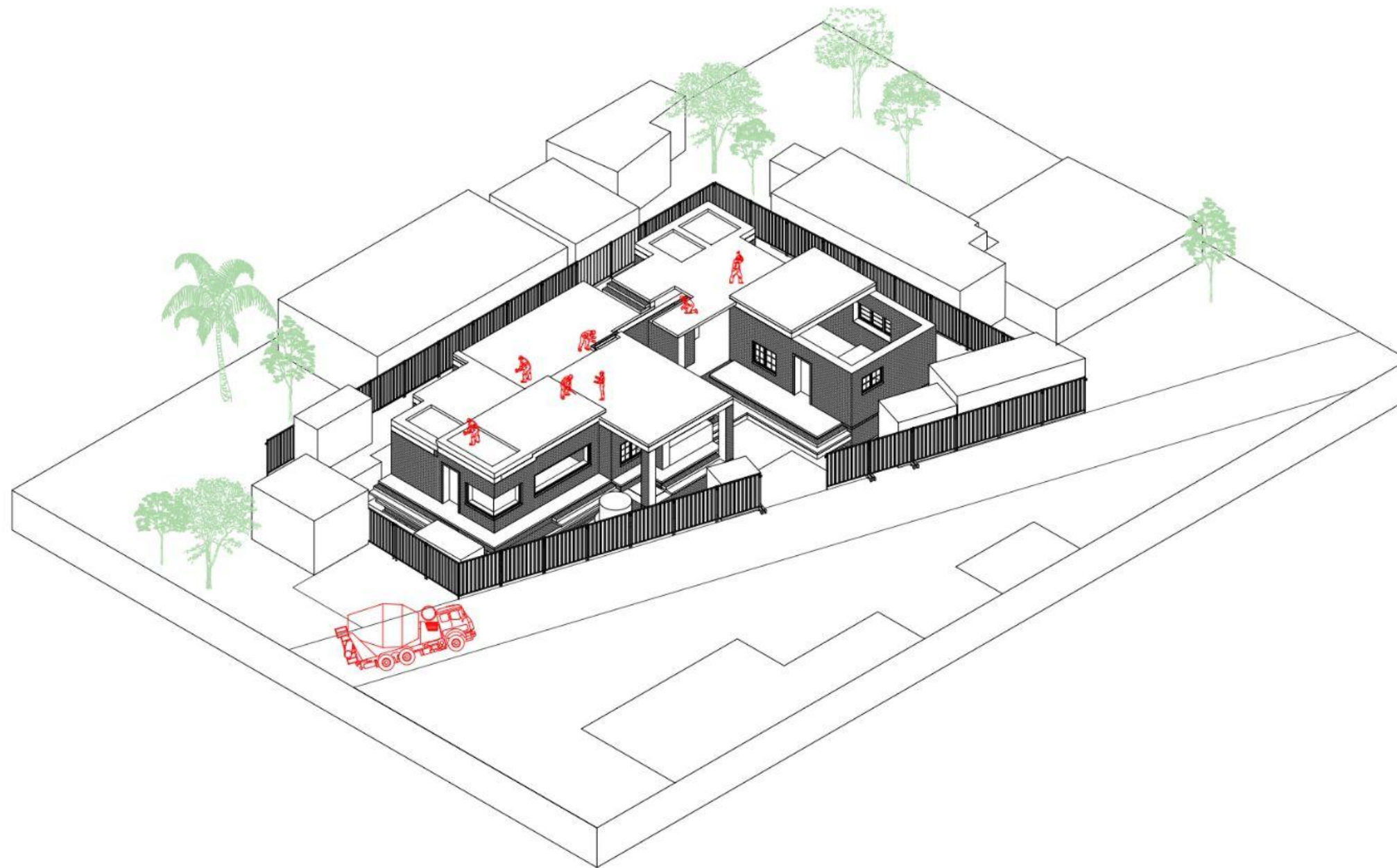


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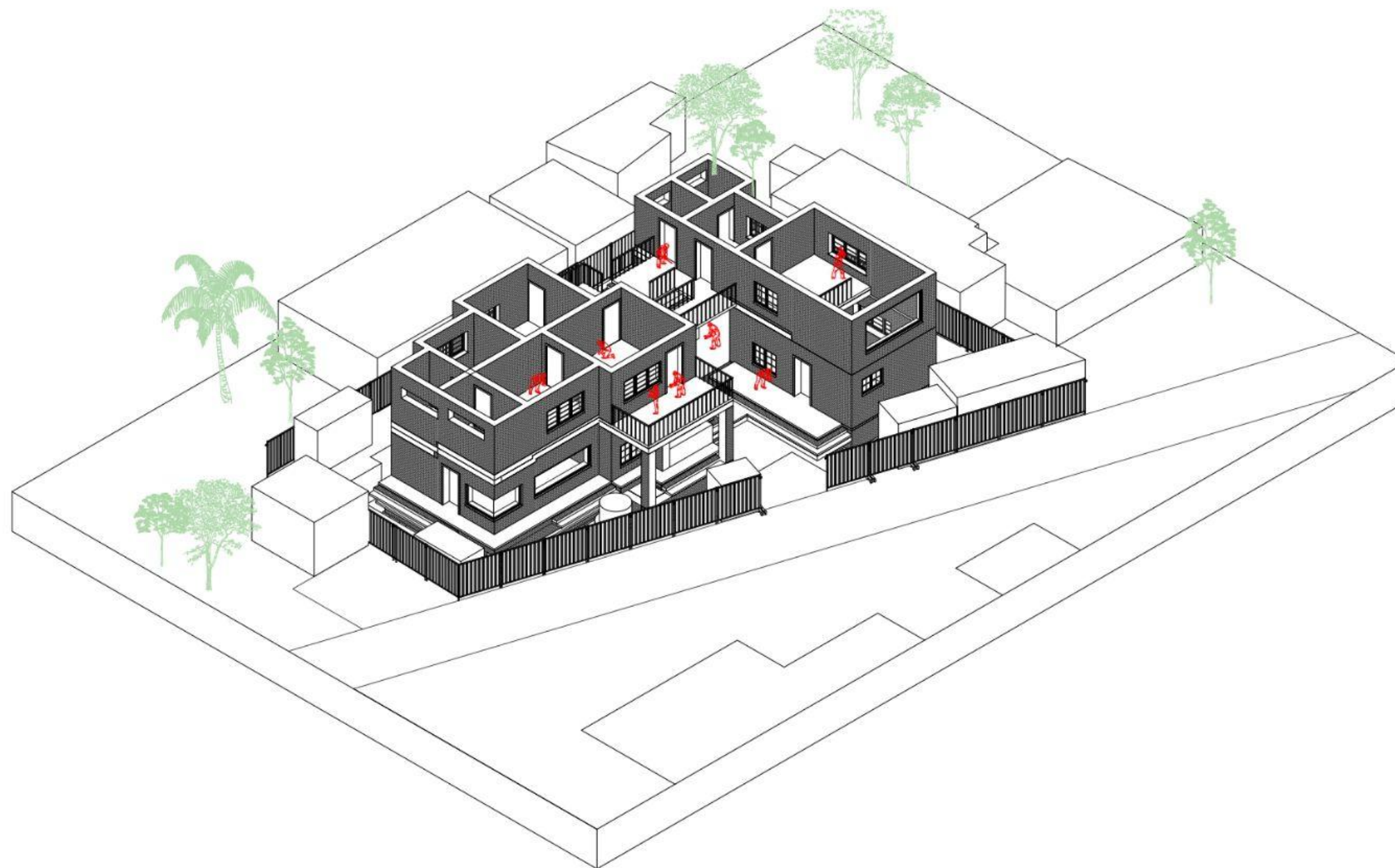
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GROUND FLOOR PLAN
WD - SEA - A - 06



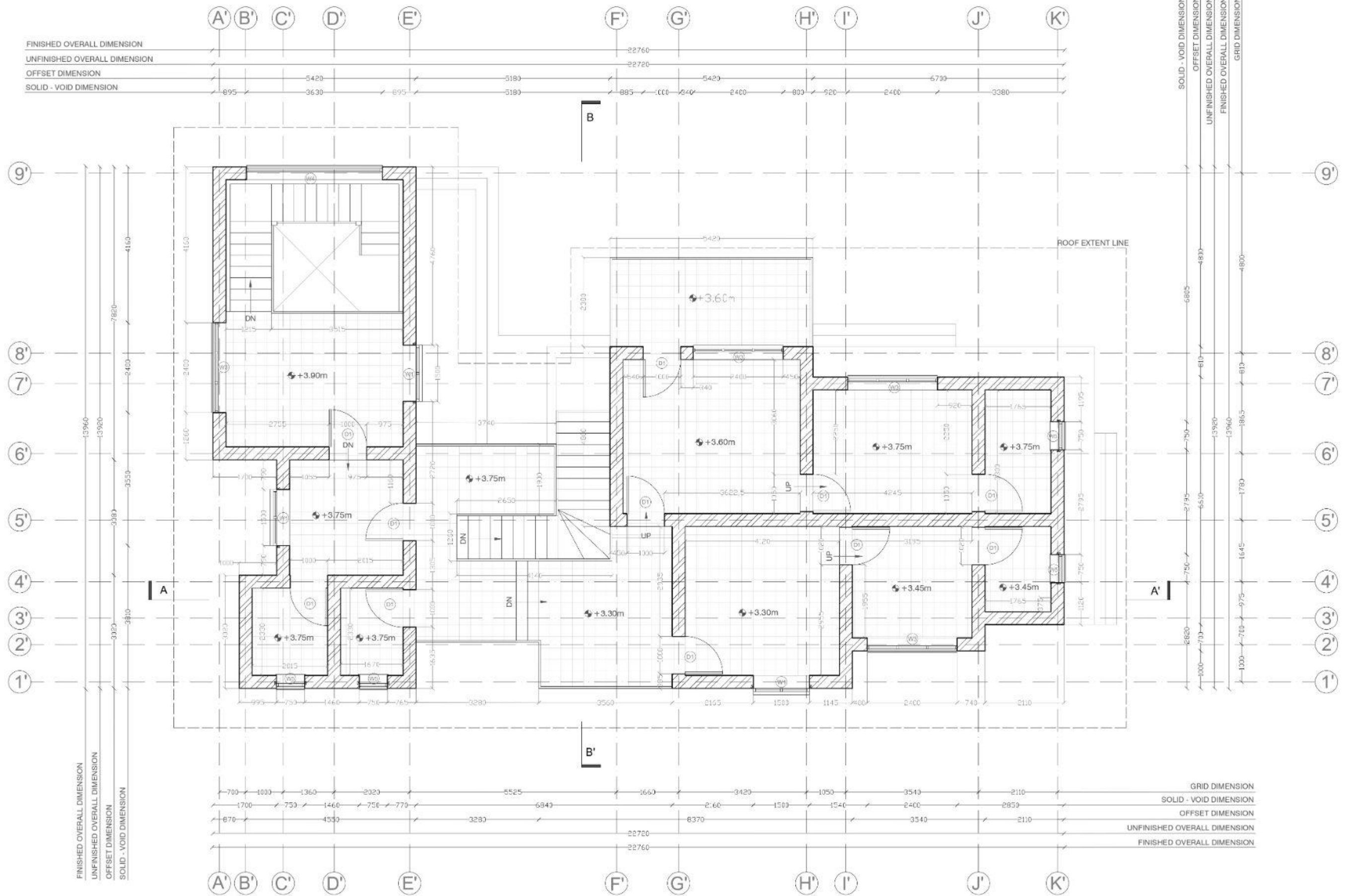
Slab and Runner Beam

The slab and runner beam is constructed on the walls for the first floor.



FIRST floor walls, columns and beams

Masonry walls are constructed on top of the slab.



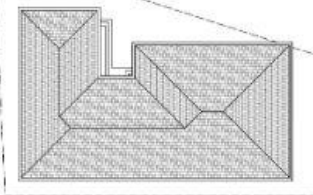
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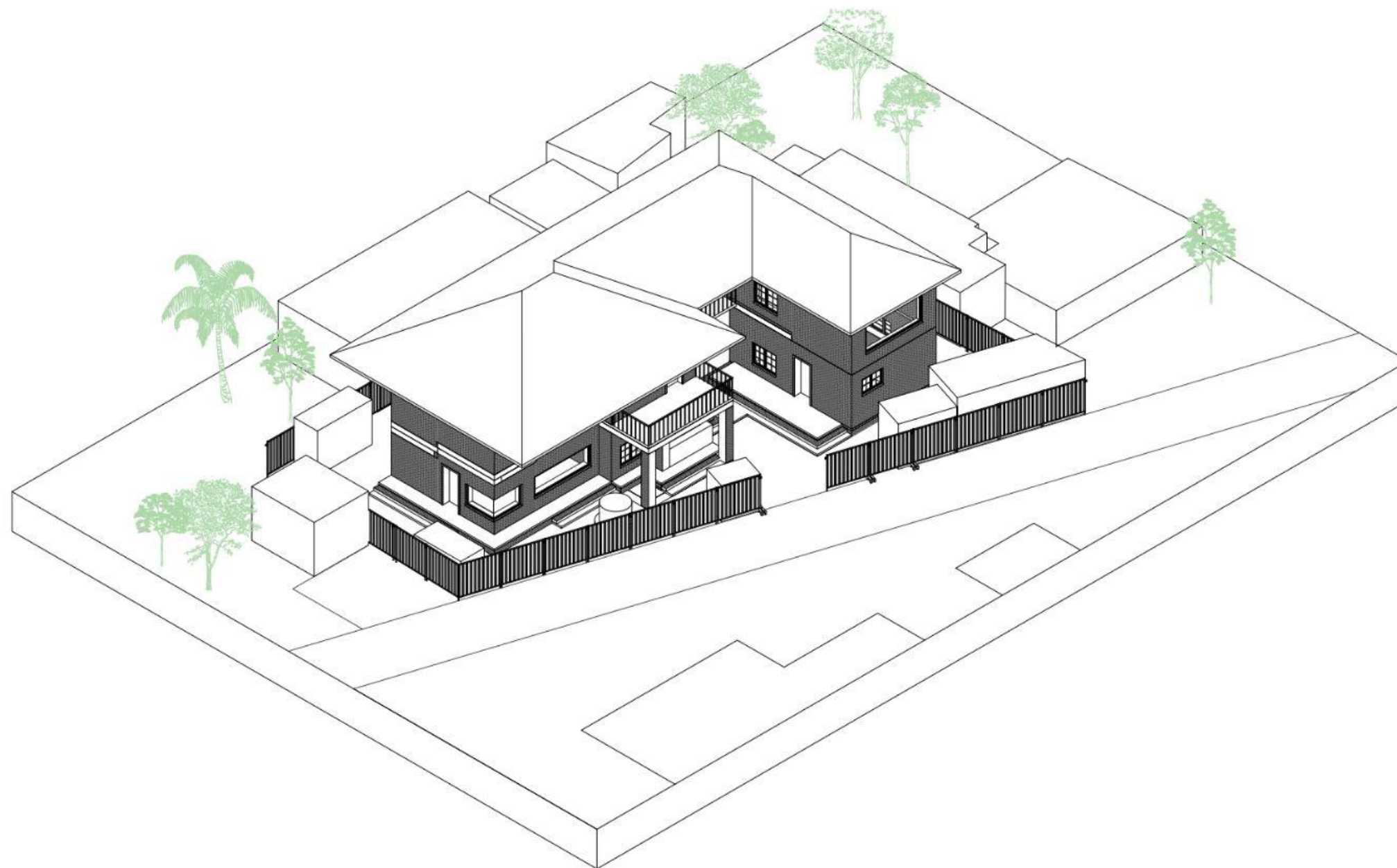


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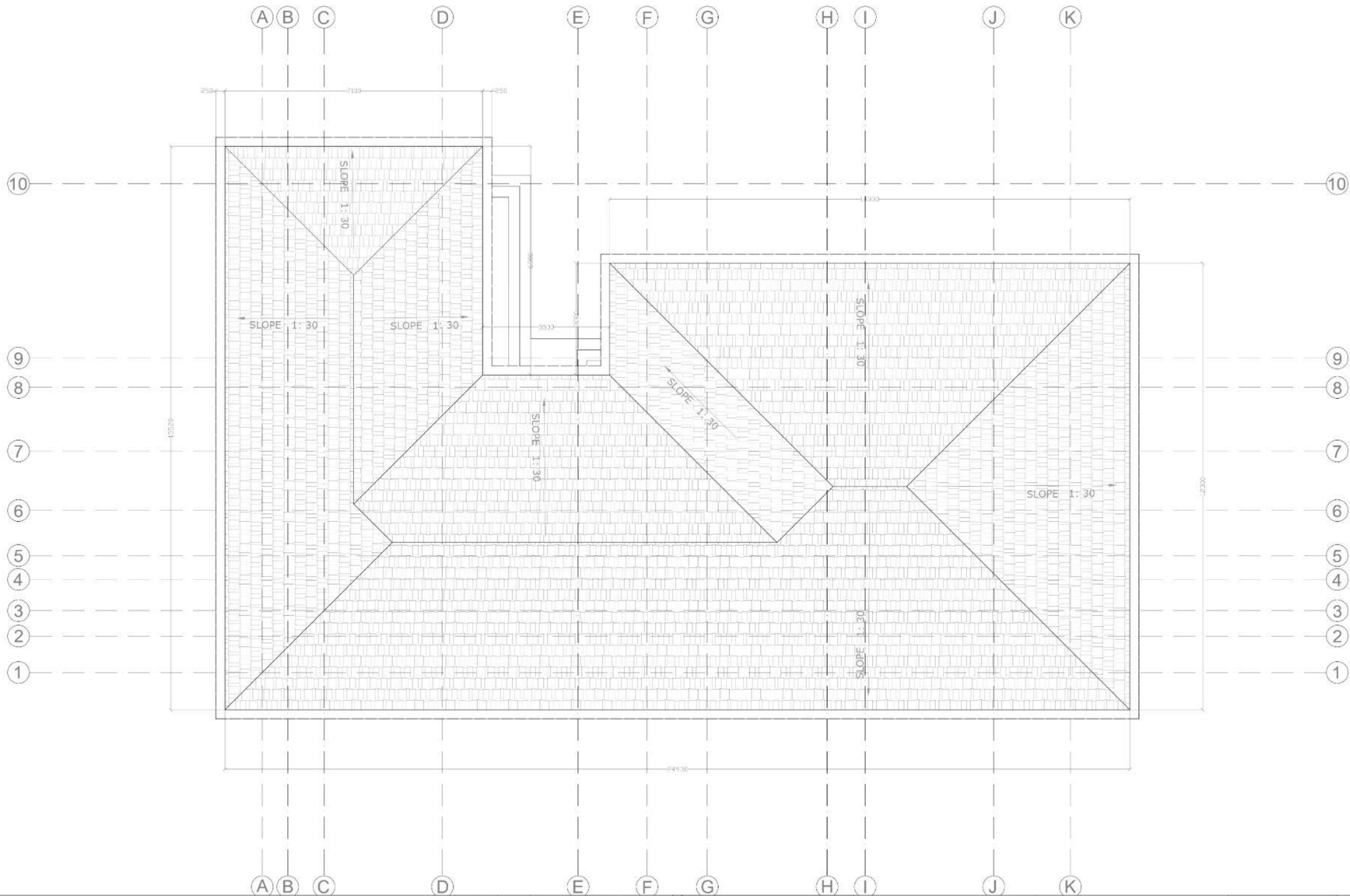
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FIRST FLOOR PLAN
WD - SEA - A - 07



Roof work

The Mangalore tiles are placed on the members of the roof.



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SCHEME HOUSE
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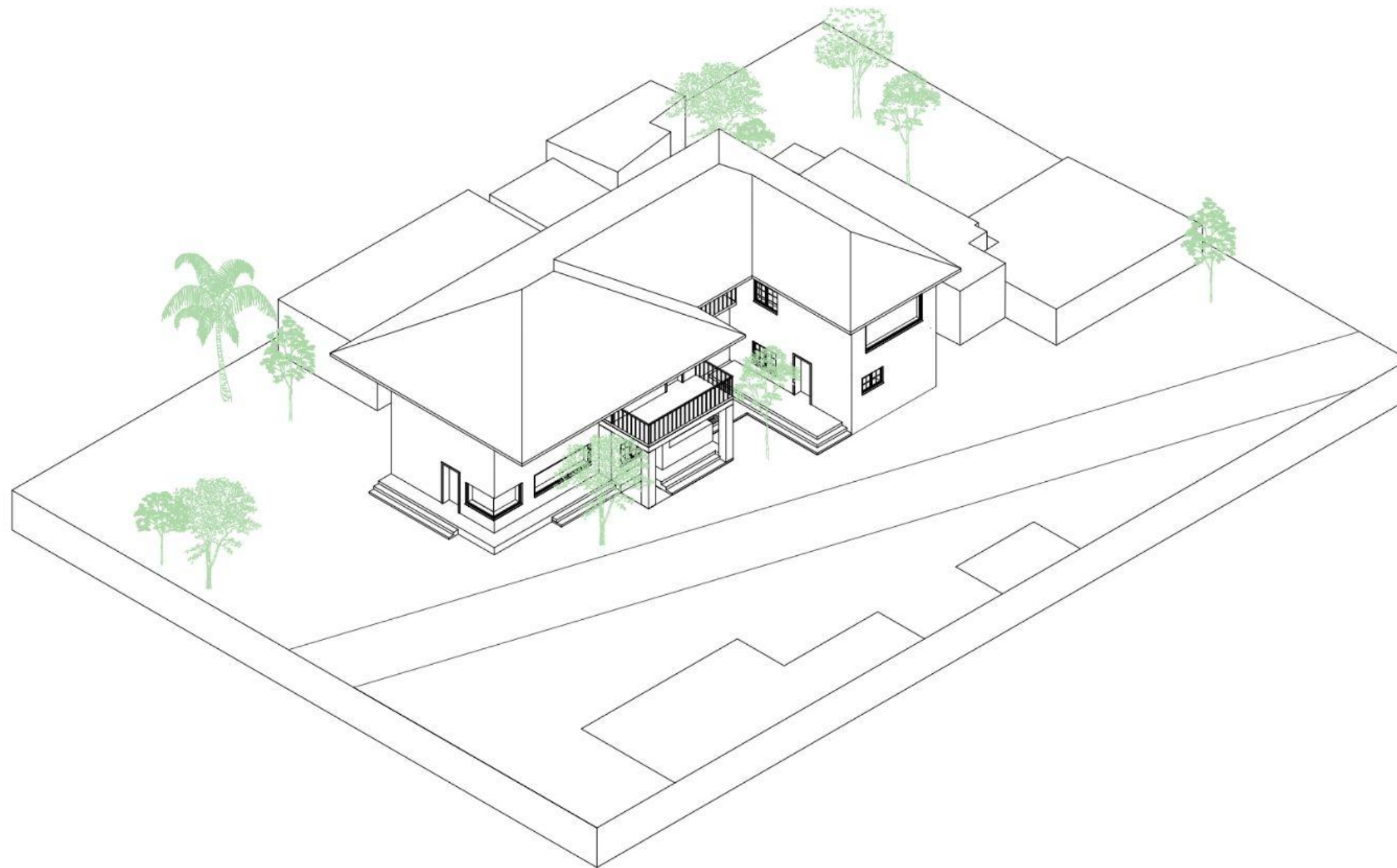
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ROOF PLAN
WD - SEA - A - 08



Entire Built Form with Site

After the final plastering and painting, the site is cleaned for handing over.

