

PRESENTATION ON DESIGN OF A VACATION HOUSE FOR A DANCE CHOREOGRAPHER

COURSE TITLE: DESIGN STUDIO V

COURSE CODE: ARCH- 302

PRESENTATION BY:

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3rd year, 1st Semester

Department of

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Department of Architecture

Leading University, Sylhet.



INTRODUCTION

- Vacation House

A vacation home is secondary dwelling, other than the owner's principal residence, and is used primarily for recreational purposes including vacations or holidays. Also known as a recreational or secondary property or residence, a vacation home is often situated in a different location from the owner's primary residence. Because vacation homes are only used at certain times of year or month.

CLIENT INFORMATION

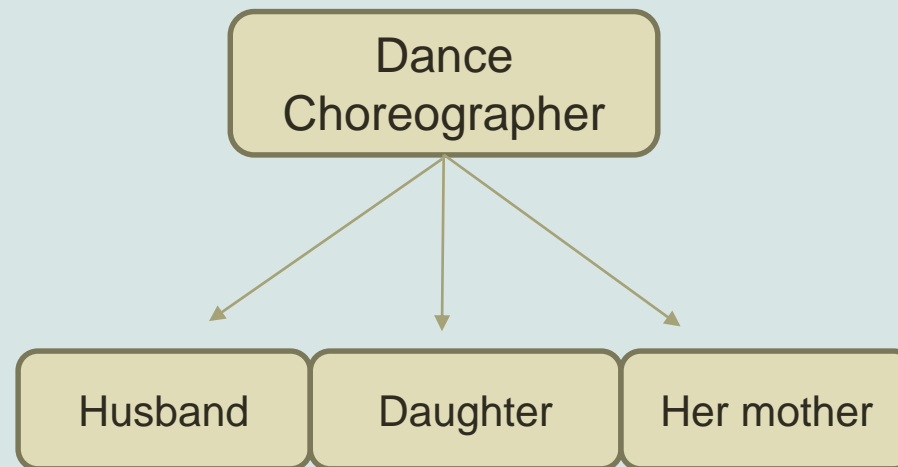
Client name: Nilanjona Jui

Profession: Dance Choreographer

Institute: Nrittoshoili, Bagbari, Modina market, Sylhet

Family member: 04

FAMILY



CONCEPT

“Dancing is a perpendicular expression of a horizontal desire.”

George Bernard Shaw

‘Dance is the conversation between body & soul’

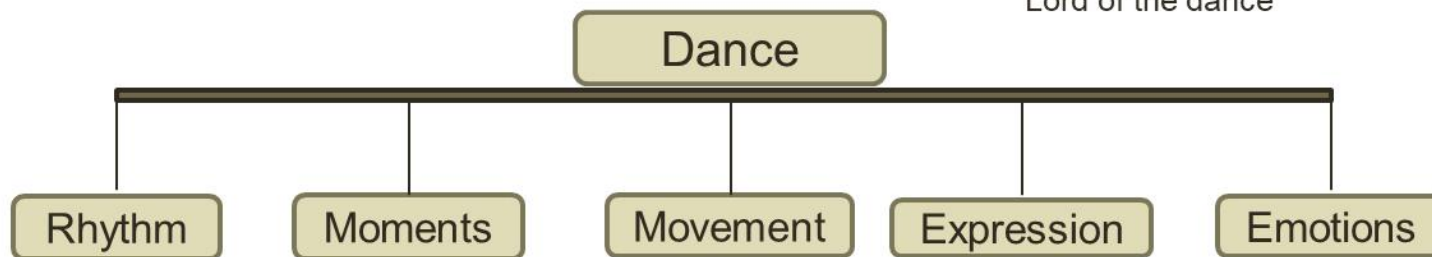
Dance is the joy of movement and the heart of life.



Vertical
Radius
Horizontal



Shiva Nataraja
Lord of the dance



DIFFERENT TYPE OF DANCE



Kathak dance



Aerial dance



Iranian dance

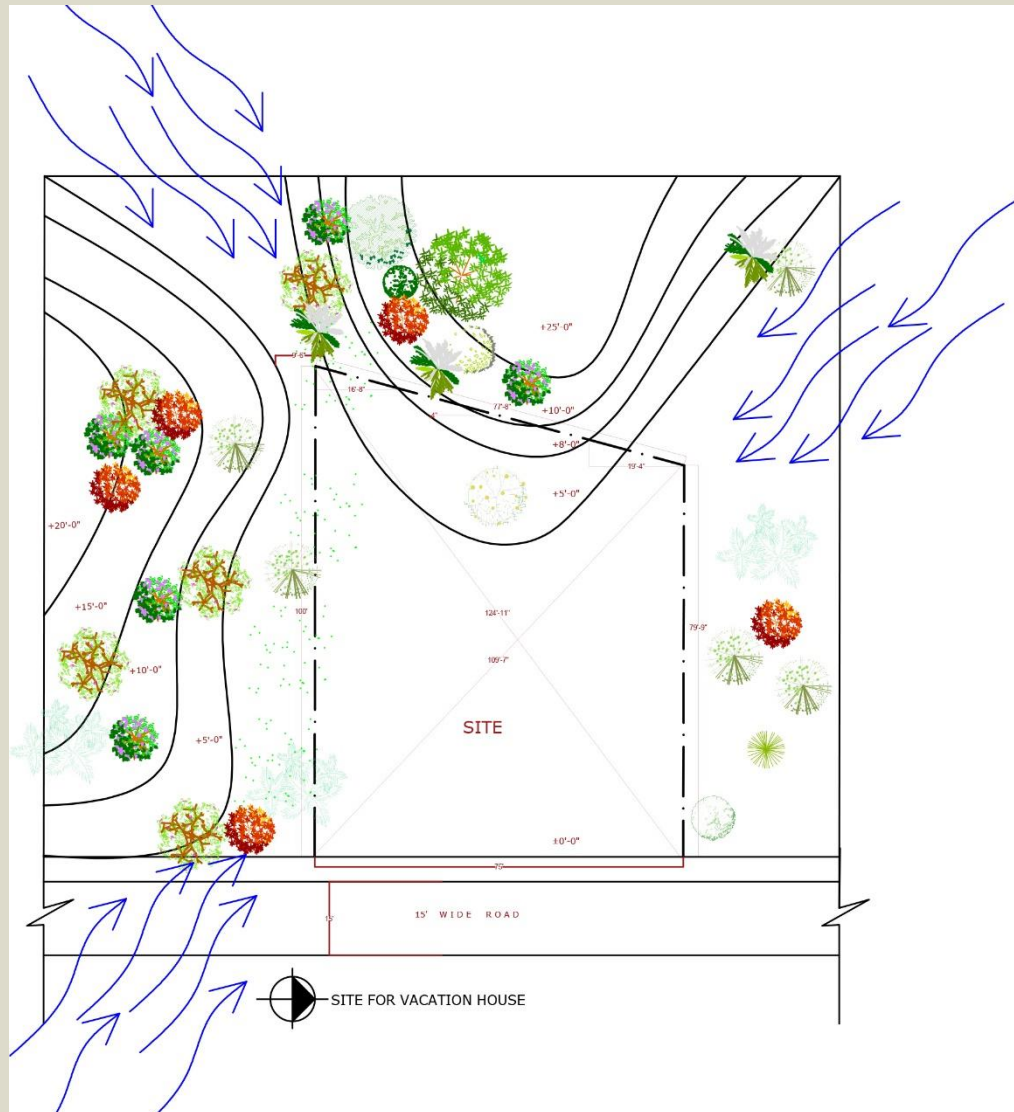


Cosmic dance



SITE ANALYSIS

Site

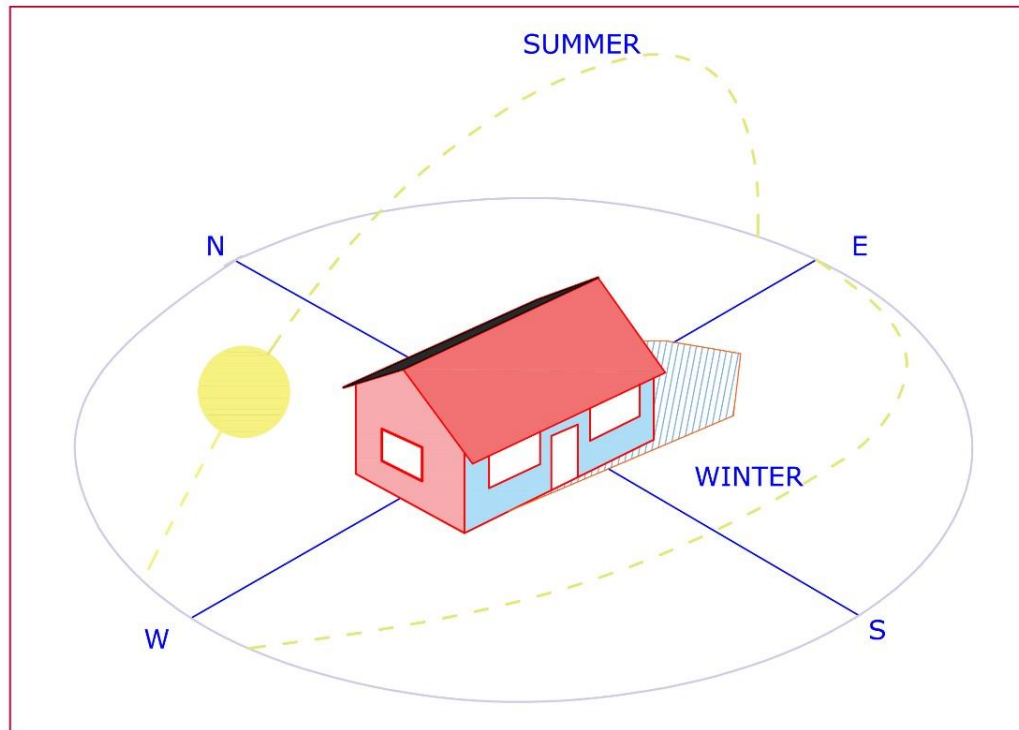


Site Area: 6780 sq. ft.

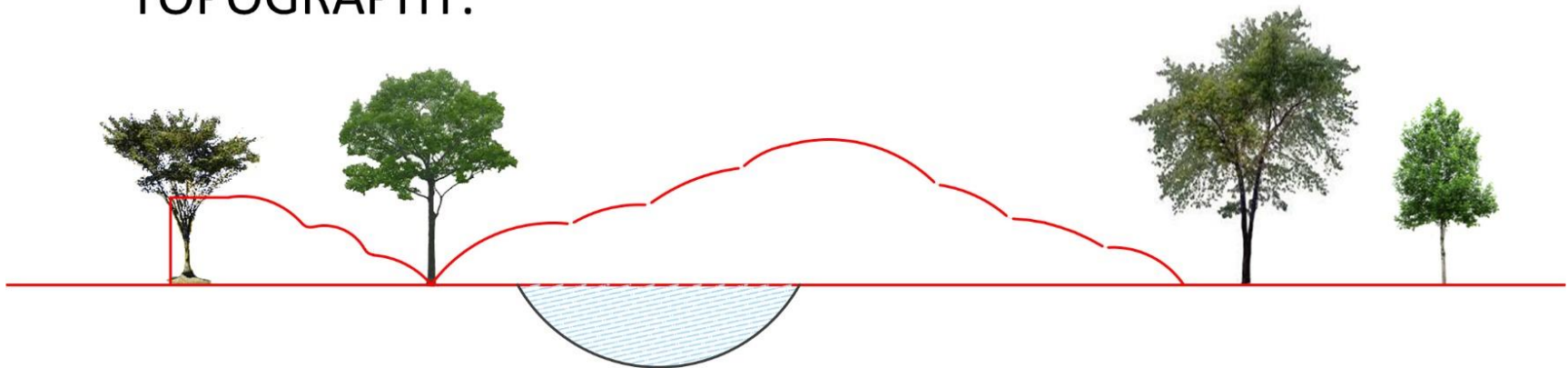
SITE ANALYSIS

- * The site is quite suitable for vacation house because of its surrounding environment.
- * 15' wide road and 5' wide paved walkway is located on the east side of the site, as this road is not that much wide we can say that this site is not in a busy area and the vehicle won't be as big in volume on this site.
- * The site is 77'-8" in the west and 75' in the east side.
- * The site is 100' in the south and 79'-9" in the north side.
- * The site belongs with contours and green area.
- * There are 25' height hill in the west side and 20' height hill in the south side.
- * There are 9'-6" gap between the contours, as this gap is not that much big we can say that the wind of the south west side is cool.
- * Overall the surrounding environment welcome people to enjoy the beauty and fresh air in the site.

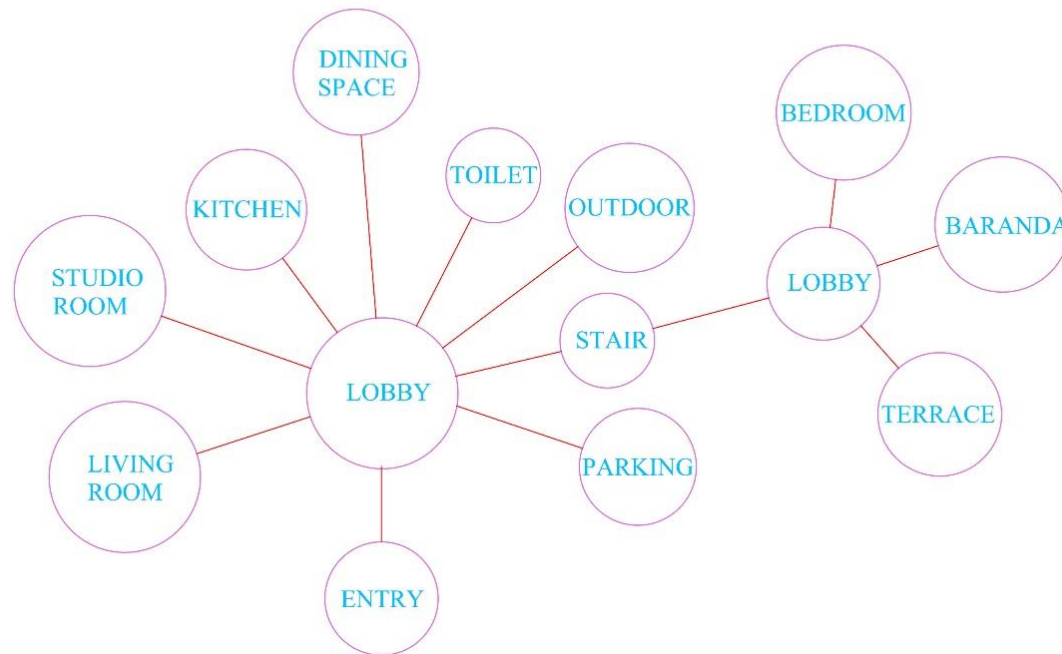
SUN PATH DIAGRAM:



TOPOGRAPHY:



BUBBLE DIAGRAM:



PROGRAMME LIST

- LIVING SPACE
- DINING SPACE
- STUDIO ROOM
- KITCHEN
- TOILET
- BEDROOM
- PARKING

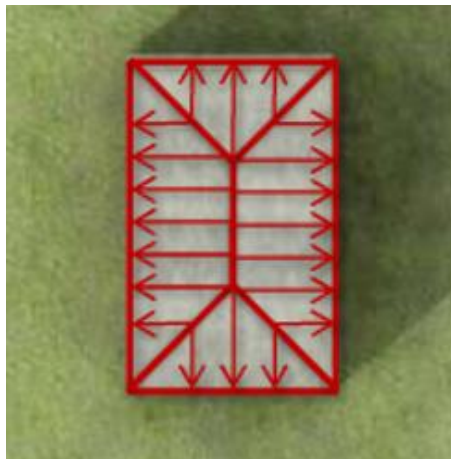
STRUCTURAL INFORMATION

POST LINTEL

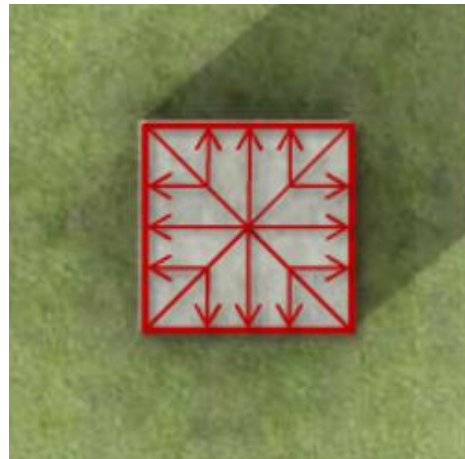
- Frame structure
- Main load bearing element is beam and column

TRANSFORMATION OF LOAD

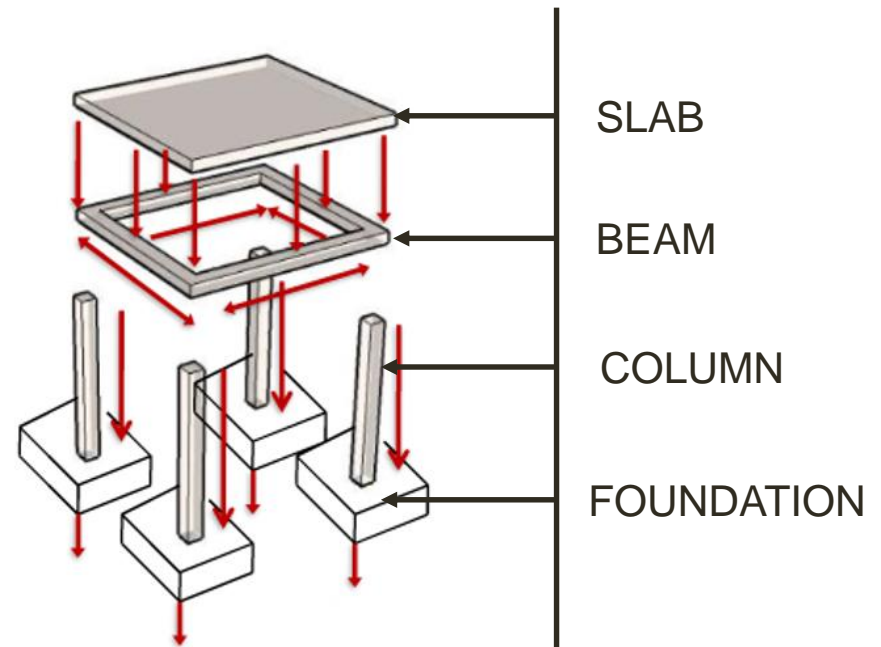
SLAB > BEAM > COLUMN > FOUNDATION > GROUND



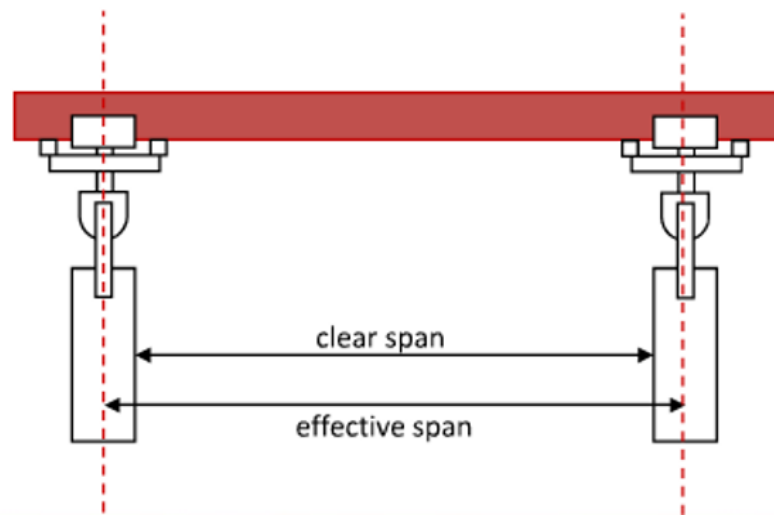
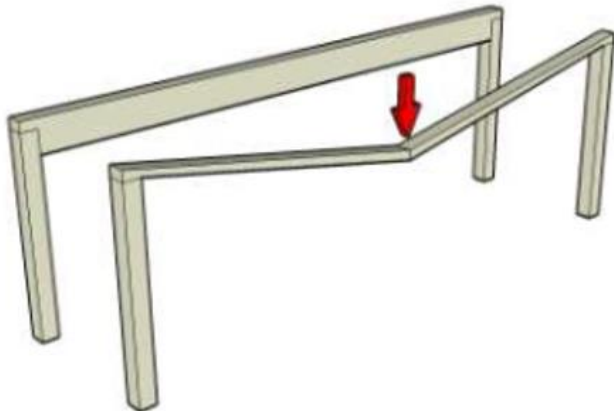
Rectangular type plan



Square type plan

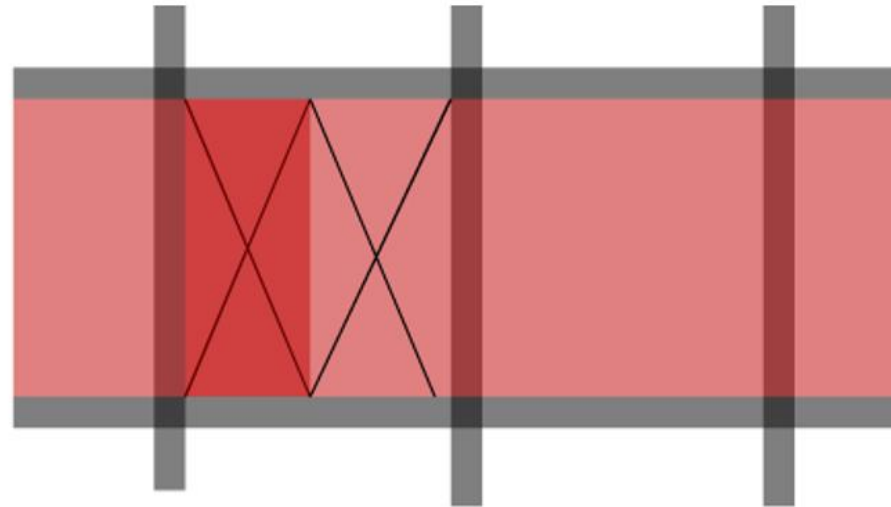
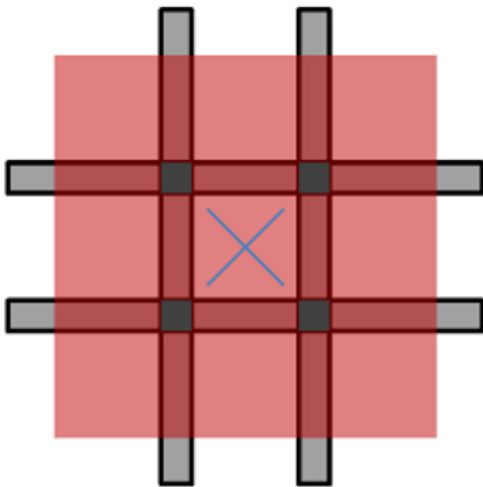


SPAN

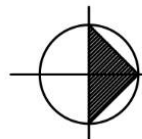
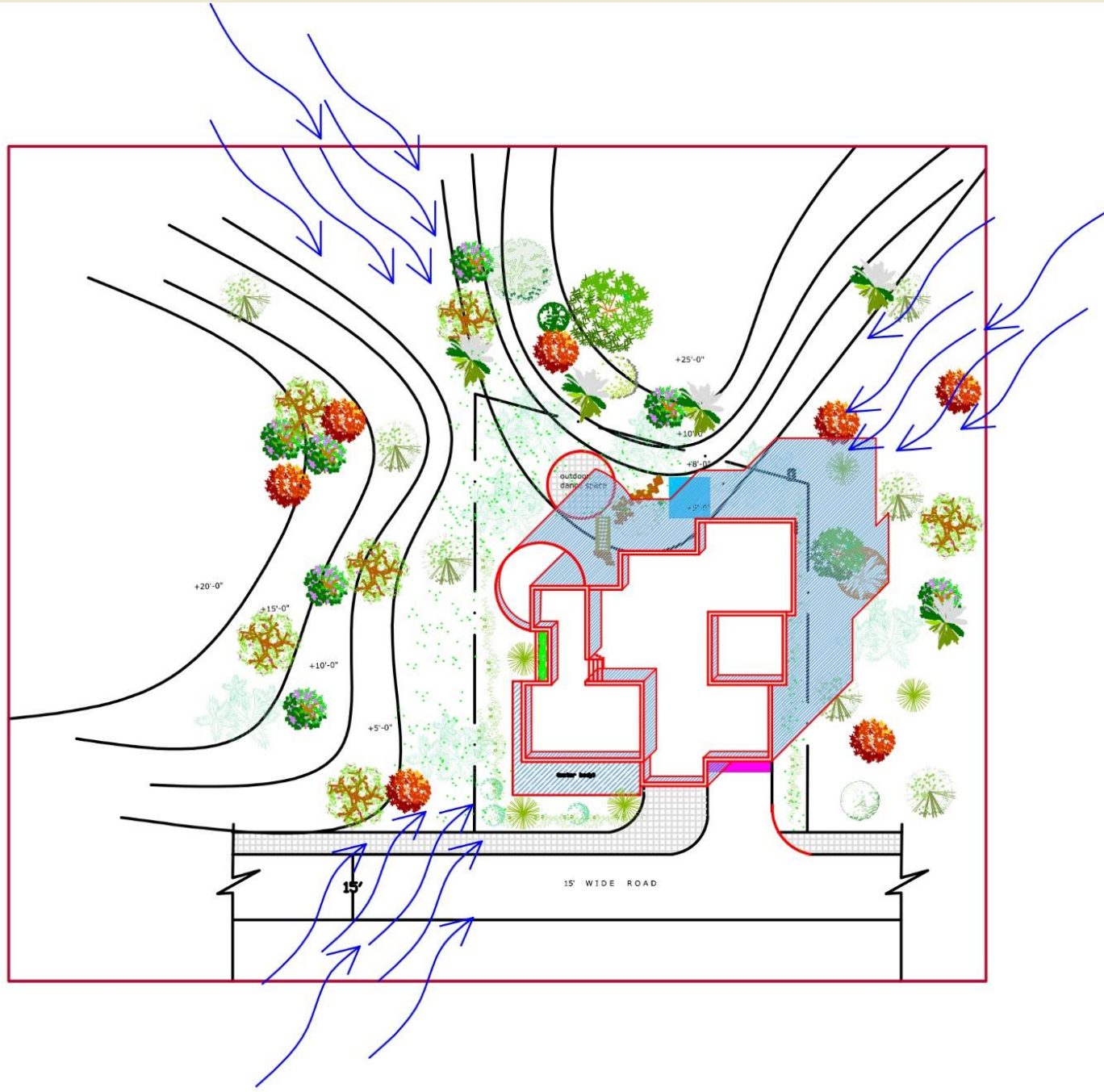


- * The depth of beam must be increase respectively with the increase of beam.
- * 24' economical
- * Cantilever 30% of span

PUNCH

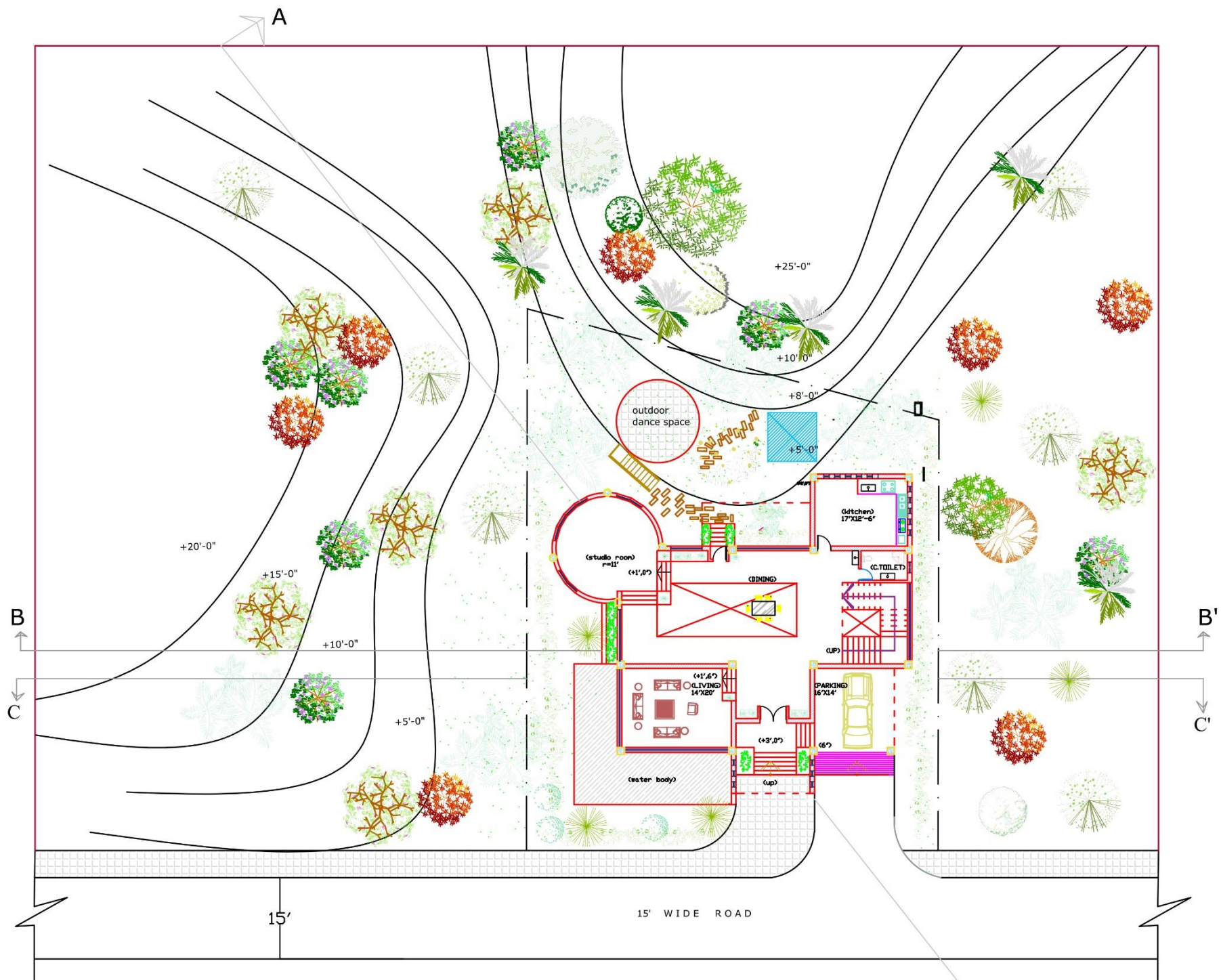


- * Punch in slab can be possible easily.
- * The slab of a full grid can be punched.
- * The left over of a partial punch stays as cantilever of the next slab.



SITE PLAN

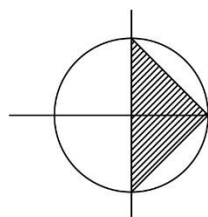
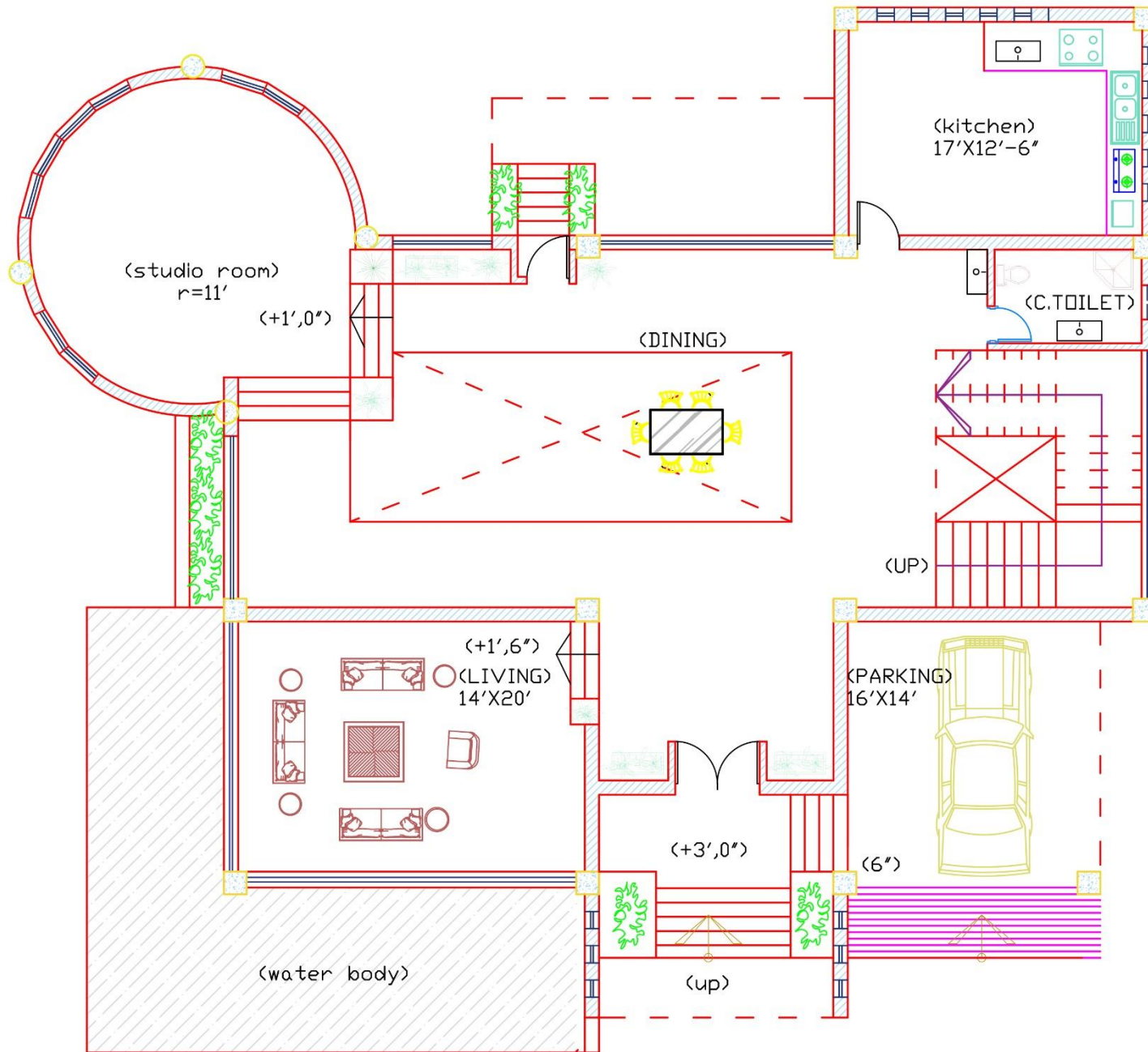
SCALE : $\frac{3}{64}$ " = 1'-0"



GROUND FLOOR PLAN

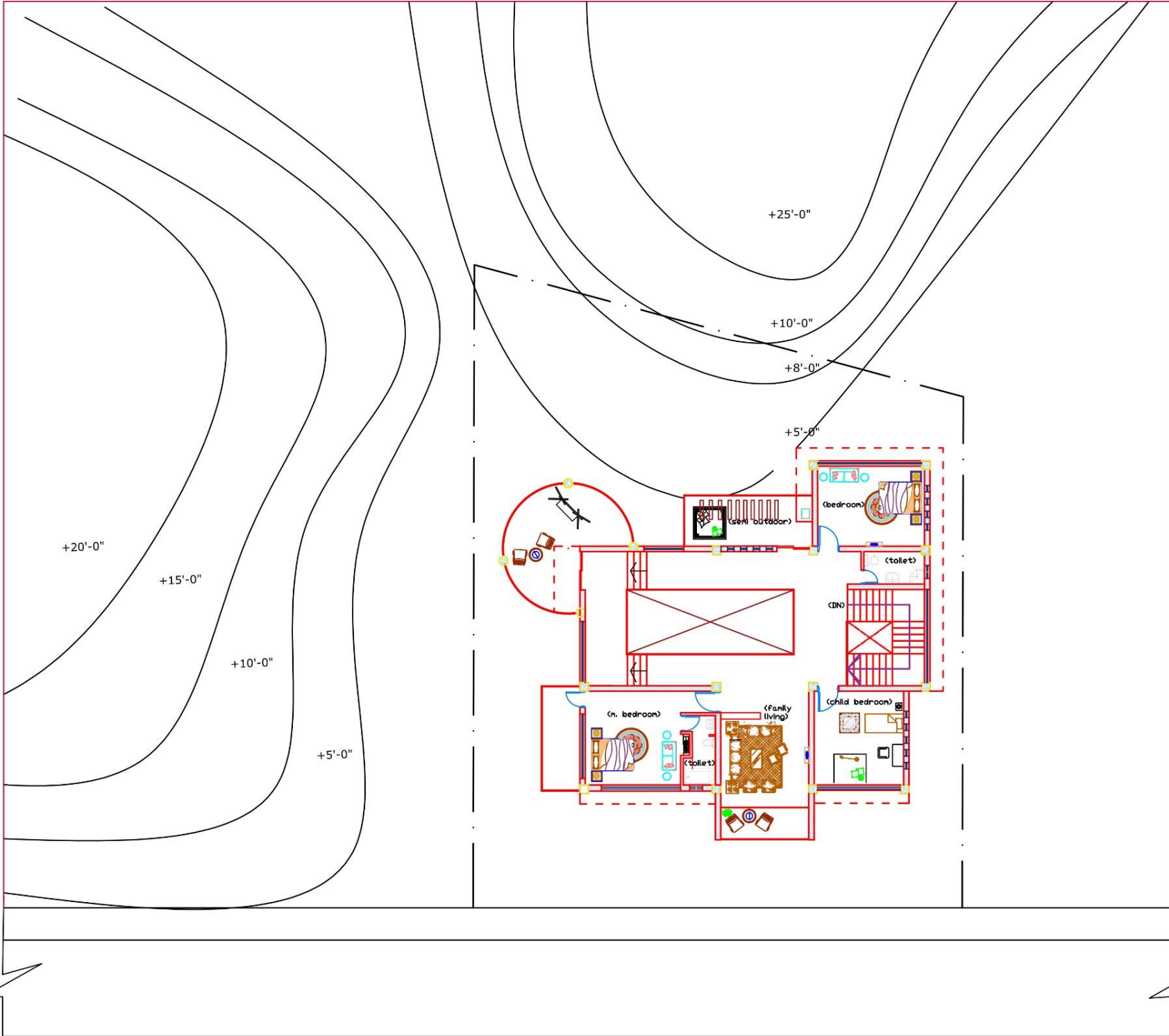


SCALE : 3/32"=1'-0"

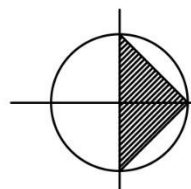
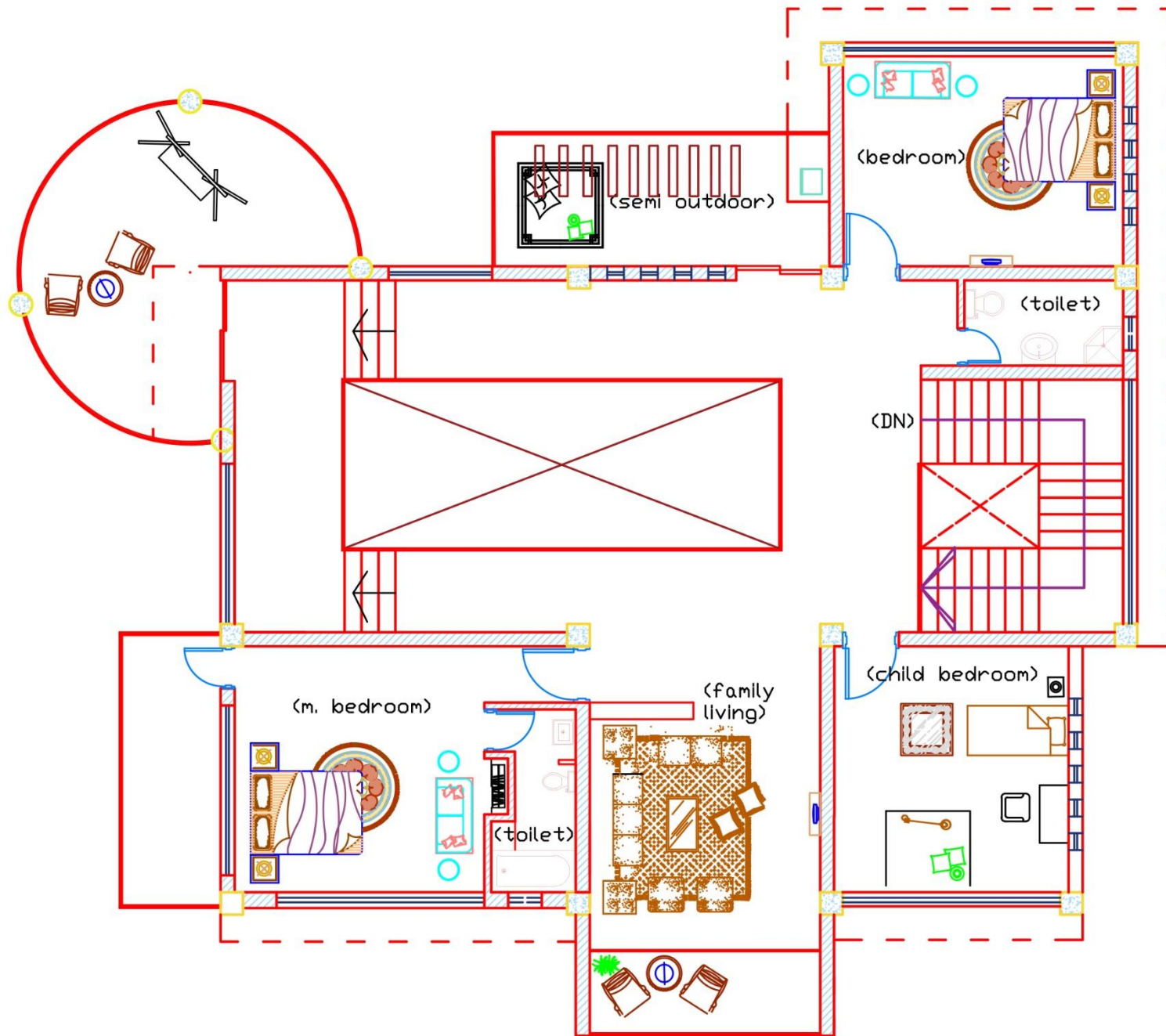


GROUND FLOOR PLAN

SCALE : $3/32'' = 1'-0''$

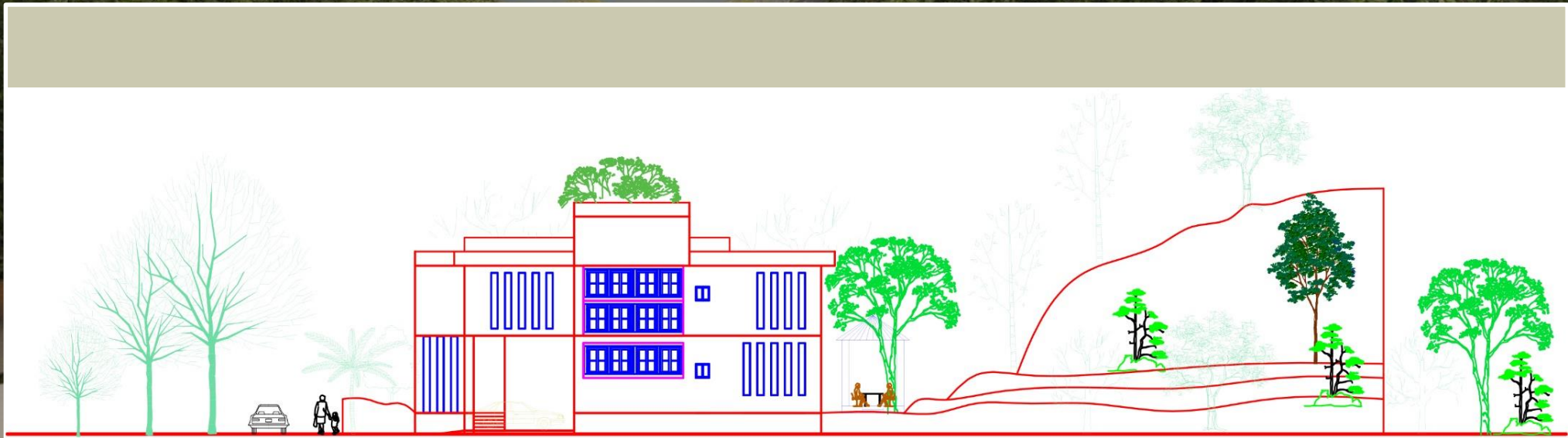



FIRST FLOOR PLAN
 SCALE : 3/32"=1'-0"

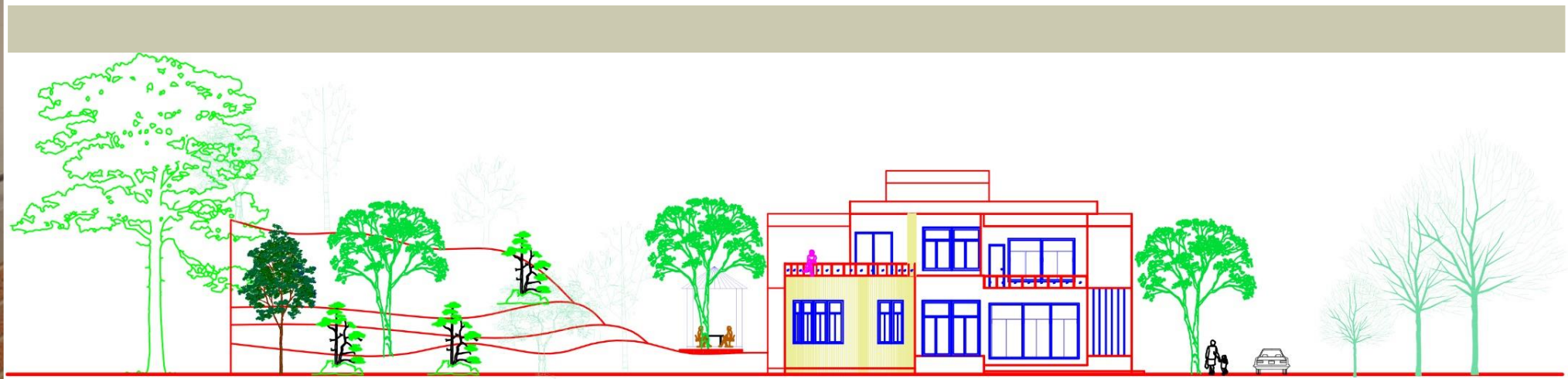


FIRST FLOOR PLAN

SCALE : 3/32"=1'-0"



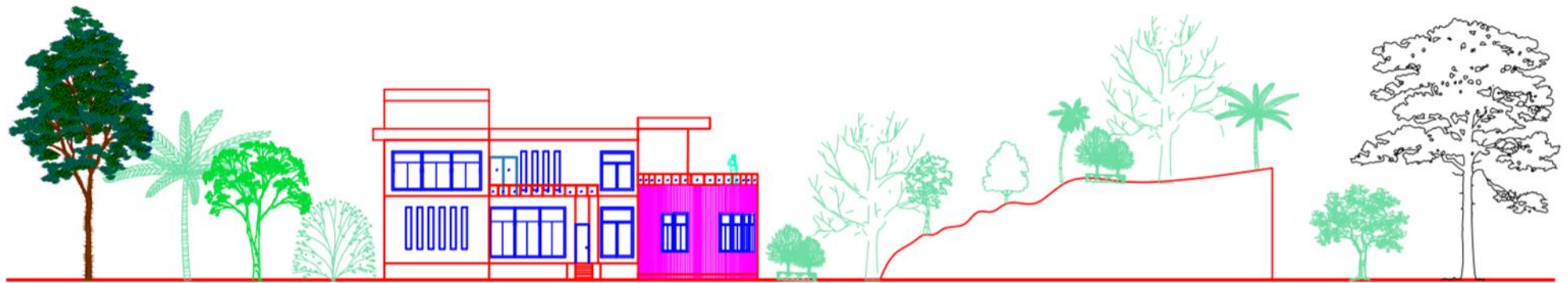
NORTH ELEVATION



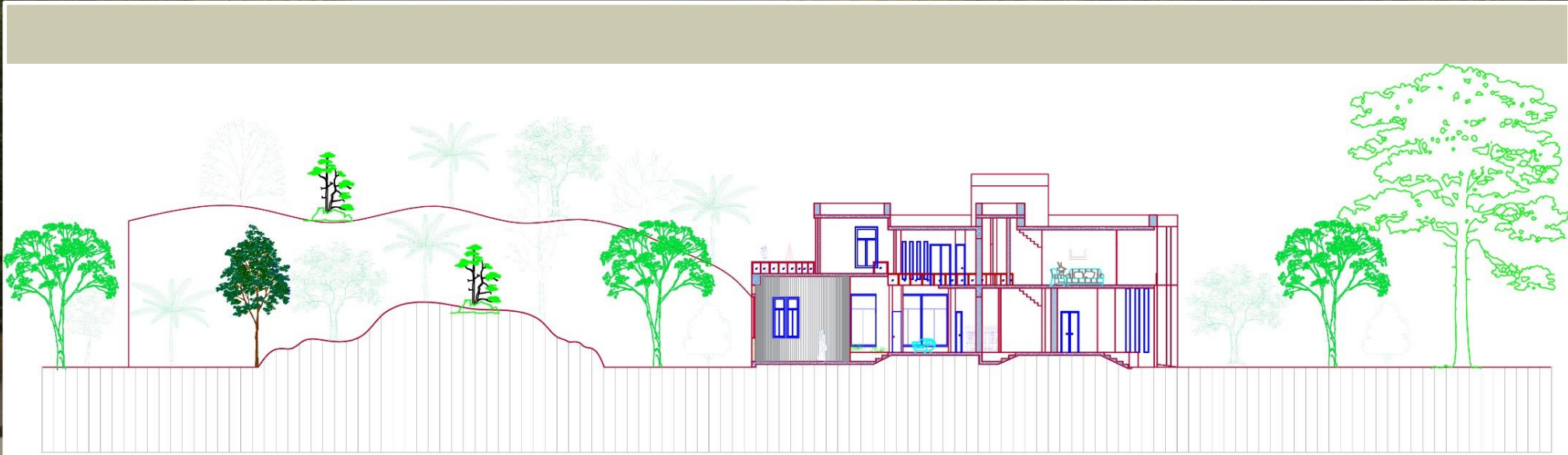
SOUTH ELEVATION



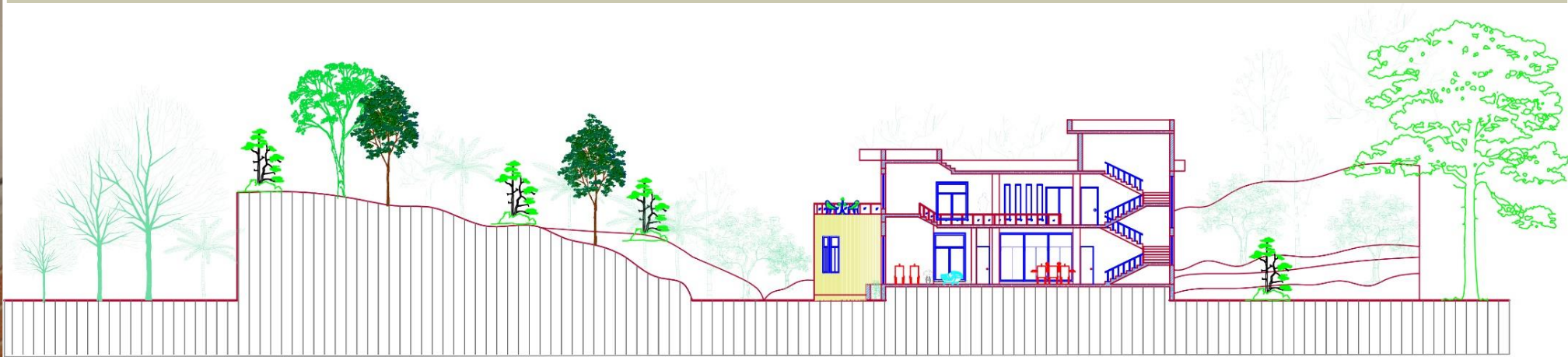
EAST ELEVATION



WEST ELEVATION



SECTION- AA'



SECTION- BB'



SECTION- CC'

CASE STUDY

VACATION HOUSE

Architect: Shamsul Wares

Location: Bhurulia, Gazipur, Dhaka, Bangladesh.

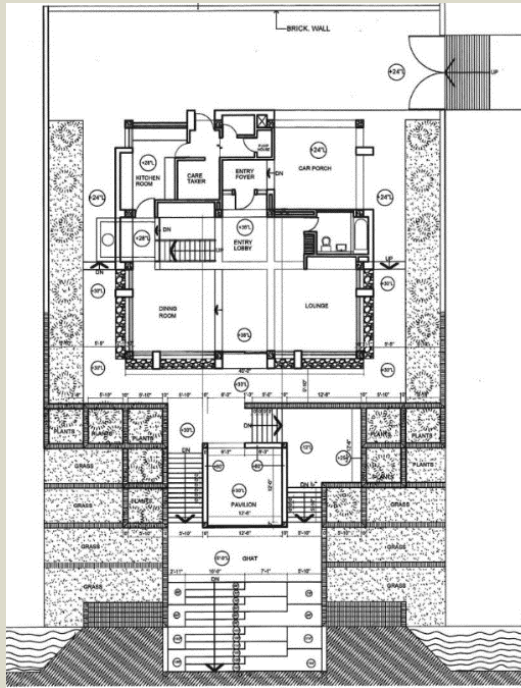
Area: 8,030 m. sq.

Ground floor: 154 m.sq.

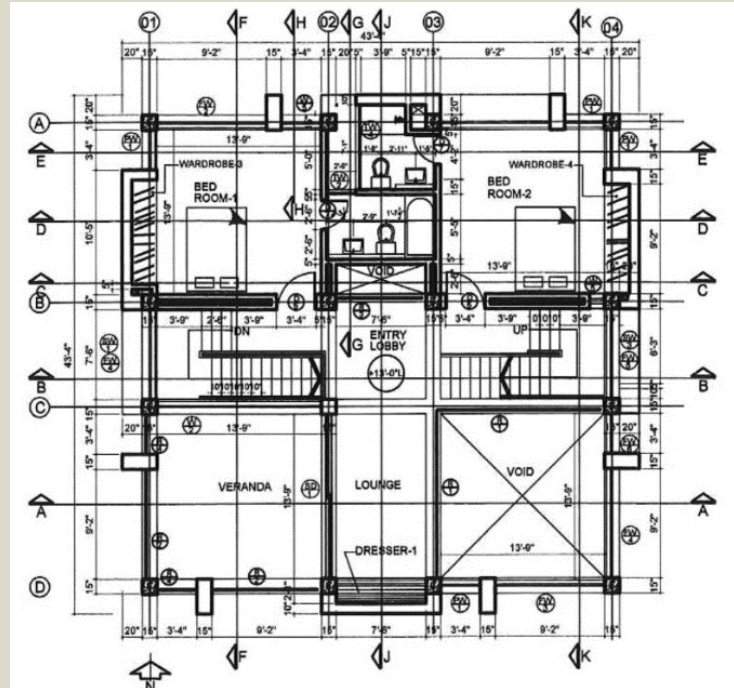
Total floor: 438 m.sq.

PROGRAMME LIST

- LIVING SPACE
- DINING SPACE
- CARE TAKER ROOM
- KITCHEN
- TOILET
- BEDROOM
- PARKING



GROUND FLOOR PLAN



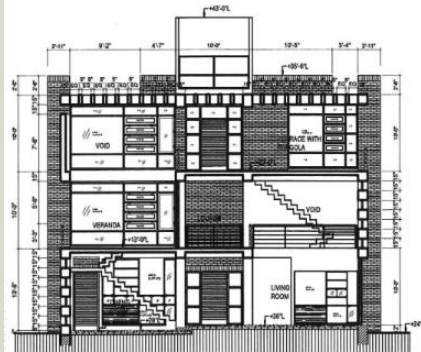
FIRST FLOOR PLAN



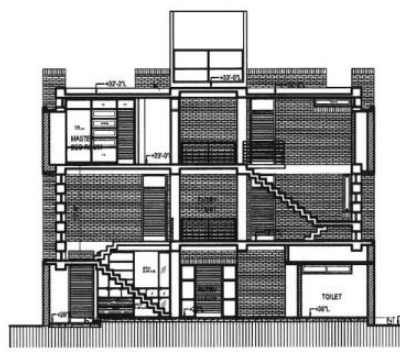
SOUTH ELEVATION



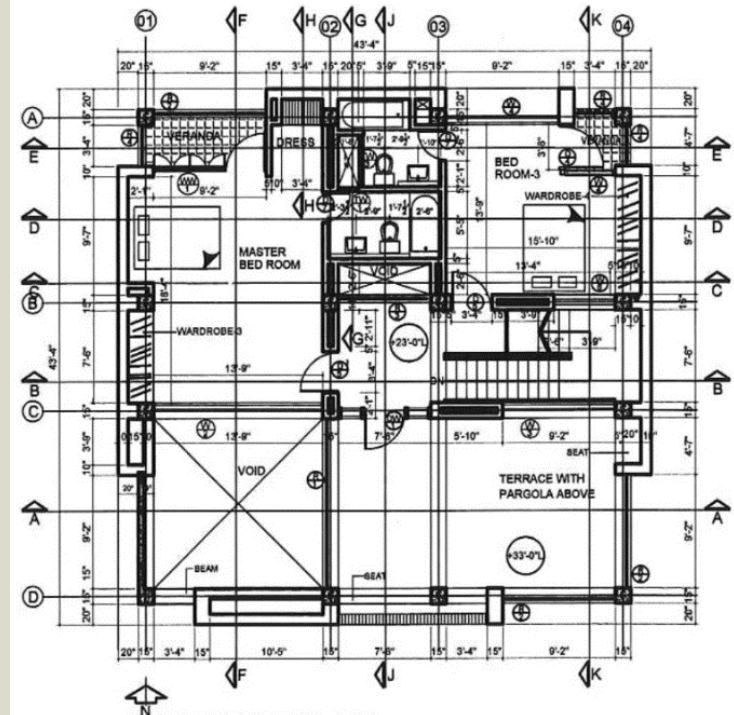
WEST ELEVATION



SECTION A-A



SECTION B-B



2ND FLOOR PLAN



A 3D architectural rendering of an outdoor walkway. In the foreground, there is a brick wall on the left and a metal railing. A person in a green shirt and tan pants is walking on the path. The background features lush green trees and a mountain range under a cloudy sky.

3D VIEWS

















THANK YOU