

AUTOCAD ASSIGNMENT

AutoCAD ASSIGNMENT

TEST A

1. First carry out site investigation on the proposed area
2. Identify the specific conditions on the site
3. Inform the client of the site conditions and assumed costs of land adjustment
4. Ask the client for what he would like, giving examples and if possible showing pictures
5. Create a design based on the topography of the land
6. Show to client and gain his approval
7. Produce the structural drawing of the design with calculations and specifications.
8. Approach the relevant professionals for the relative plans (electrical engineer gives electrical plan; plumber gives plumbing plan etc.)
9. Present the project to the state representatives for approval
10. Gather the needed manpower and begin the construction taking into consideration the drawing specifications, standard procedures and meticulousness

DIFFERENCES BETWEEN:

1. Architectural and civil engineering drawing.

An architectural drawing is a drawing type that contains all the details of the project such as location, orientation and information about the site's topography, landscaping, utilities and site work. A civil engineering drawing consists of all the structural intervention that are coming on the building, it contains many types of drawings with very minute details and descriptions.

2. Presentation and working drawing.

A presentation drawing is any set of drawings made to articulate and communicate design concept or proposal; such as for an exhibition, review or publication. A working drawing traditionally consists of 2 dimensional orthographic projections of the buildings or components they are describing, such as plans, sections and elevations.

3. Sections and elevations.

Section is the view obtained after cutting the structure along a cutting line. Elevations are views of any structure obtained the way it would be seen if you are standing at its front, back or sides.

4. Septic tank and soak away.

A septic tank is a tank typically underground, in which sewage is collected and allowed to decomposed through bacteria activity before draining by means of soak away. A soak away is a hole dug in the ground and filled with rubble and coarse stones, designed to disperse water back into the surrounding ground without flooding.

SHORT BUT INFORMATIVE NOTES ON:

1. AUTOCAD

AutoCAD is a commercial computer-aided design and drafting software application. Developed and marketed by Autodesk, AutoCAD was first released in December 1982 as a desktop app running on microcomputers with internal graphics controllers. It is **used for** a number of applications like creating blueprints for buildings, bridges and computer chips to name a few. AutoCAD is 2D and 3D computer aided drafting software application. Some of its few commands are:

L - It can be used for making simple lines in the drawing.

ARC - It is the command used to create arcs in the drawing.

C - It is the command used for making a circle in AutoCAD.

CO - it is the command used to copy objects in the drawing.

CHA - It is the command used to chamfer lines in the drawing.

E - It is the command used to erase objects in the drawing.

H - It is the command used to create hatch patterns in a drawing.

J - It the command used to join lines in a drawing.

O - it is the command used to offset lines from one another in the drawing.

P - it is the command that allows you to pan through (move around) a drawing.

TR - This command is used to trim/cut lines that are intersecting each other in the drawing.

X - this command is used explode/separate joined lines.

Z - it is the command used to zoom in/out a drawing.

2. SITE PLANNING

Site planning is the design and process of planning for a new development project. Within Community Development, this stage of site planning is the organizing phase where city planners create a tactical/detailed plan of new developments.

3. PAPER SIZES

In engineering, the drawing paper comes in various sizes for multiple uses. Some of which are:

A0 - 840×1189

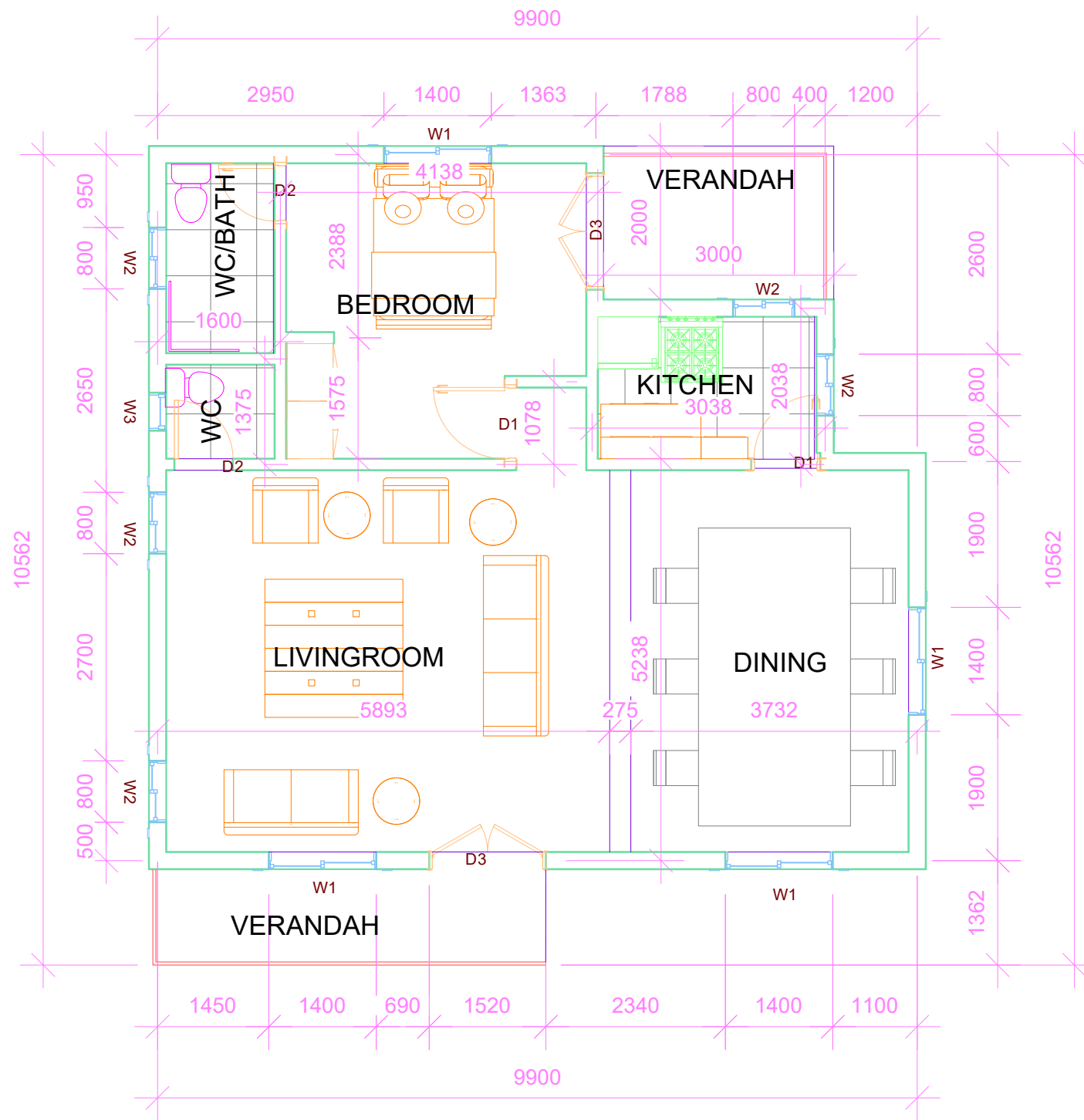
A1 - 594×840

A2 - 420×594

A3 - 297×420

A4 - 210×297

A5 - 149×210



FLOOR PLAN

NOTES

1. NO DIMENSIONS TO BE SCALED
2. DIMENSIONS TO BE CHECKED ON SITE.
3. DIMENSIONS ARE TAKEN TO OUTER LINES OR STRUCTURAL SURFACES AND DO NOT INCLUDE FINISHES EXCEPT WHERE OTHERWISE STATED.
4. ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BETWEEN THIS DRAWING AND OTHERS INCLUDING THOSE ISSUED BY CONSULTANTS AND NOMINATED SUB-CONTRACTORS BEFORE COMMENCING WORK.

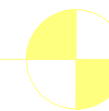
SHEET NUMBER
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TITLE ONE BEDROOM APARTMENT	NAME	EBOSA OFE
	MATRIC NO	17/ENG03/017
CLIENT ENGINEER VICTOR	DEPT	CIVIL ENG
	CHECKED BY	ENG VICTOR
	SCALE	1:1
	DATE	APRIL, 2020

Sheet No	00	
DWG TITLE	GROUND FLOOR PLAN	
DRAWING NO 5	DESIGN	EBOSA OFE
	DRAWN	EBOSA OFE
	CHECKED	ENG VICTOR
	SCALE	1:1
	DATE	APRIL, 2020.

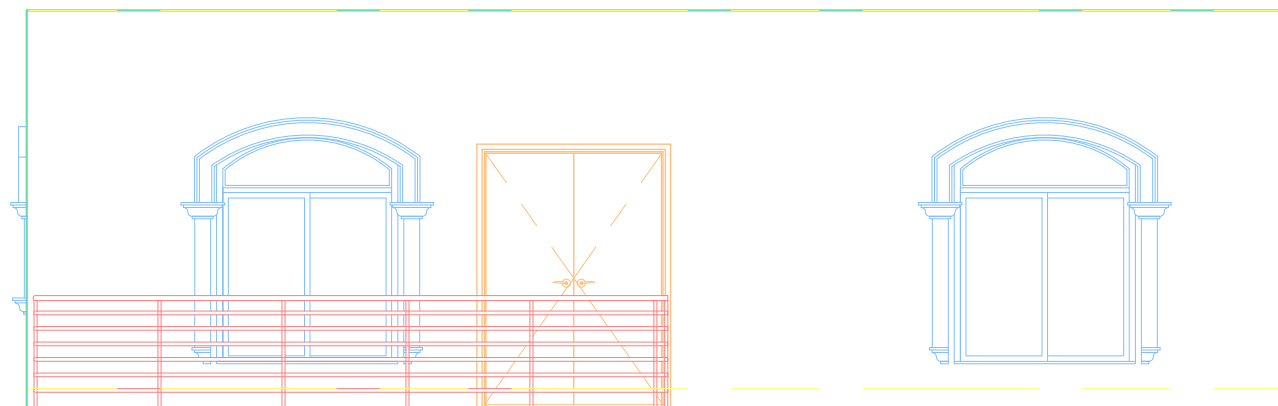
Level 3

3200



150 Level 2

0 Level 1



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**SHEET
NUMBER**
01

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Sheet No	DWG TITLE	
01	GROUND FLOOR PLAN	
DRAWING NO 5	DESIGN	EBOSA OFE
	DRAWN	EBOSA OFE
	CHECKED	ENG VICTOR
	SCALE	1:1
	DATE	APRIL, 2020.

DOOR AND WINDOW SCHEDULE

ALL DIMENSIONS IN mm

D1 = 900 × 2100

D2 = 750 × 2100

D3 = 1500 × 2100

W1 = 1400 × 1200

W2 = 800 × 1200

W3 = 500 × 600