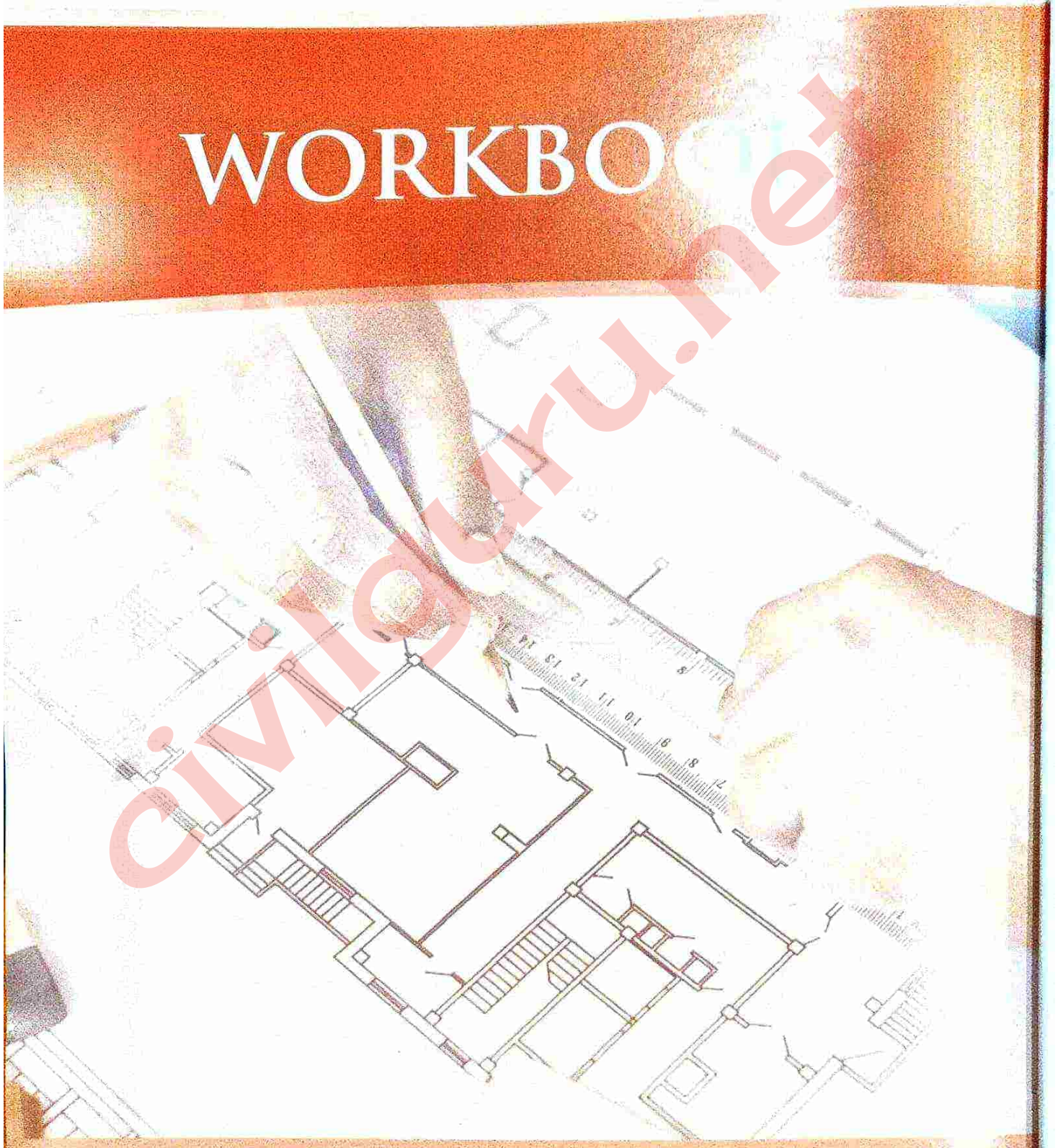


WWW.CIVILGURU.NET

This is the subtitle of PDF, Use long text here.

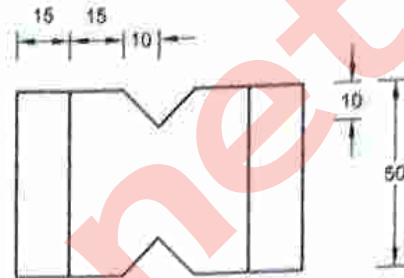
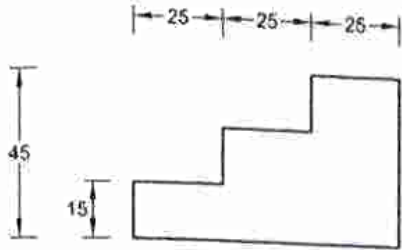


Title of PDF Document

This is the subtitle of PDF, Use long text here.

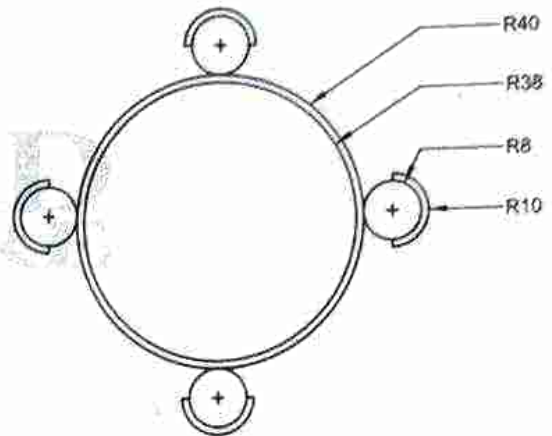
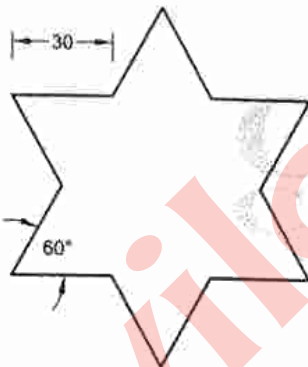
Exercise No.: 1	Date:
Duration: 60 min.	Actual Duration:

- Complete the following drawings.

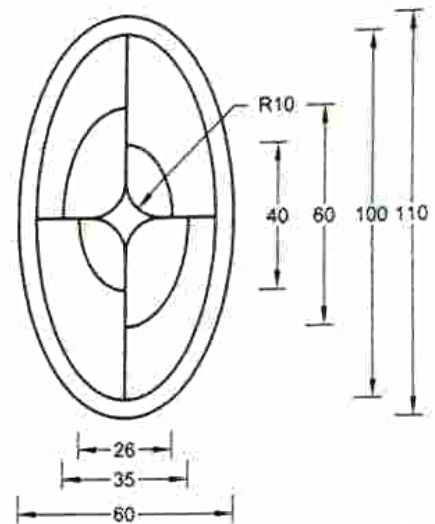
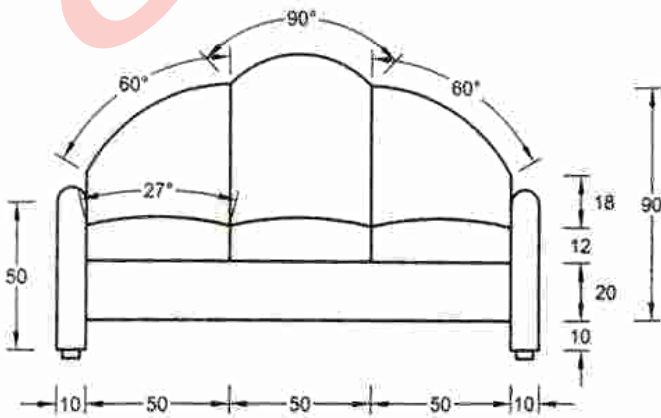


- Use Absolute coordinate system

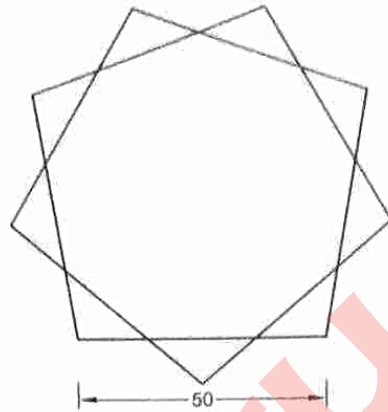
- Use Relative rectangular coordinate system



- Use Relative polar coordinate system

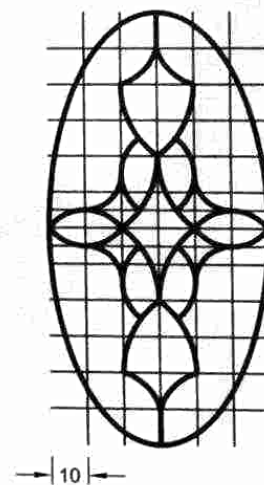
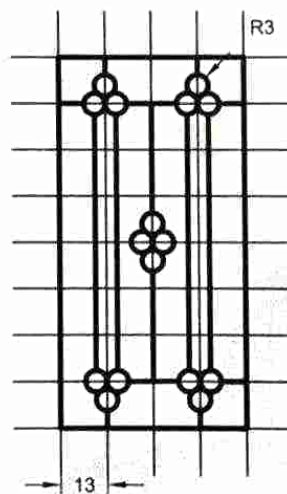
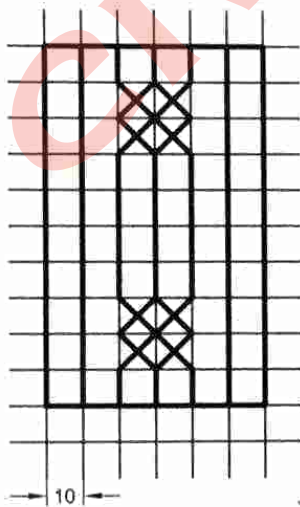


Exercise No.: 2	Date:
Duration: 45 min.	Actual Duration:



Note: i) Complete the drawing using polar tracking.
ii) Polar tracking increment angle is 80° .

- Use grid and snap for completing following grill design.

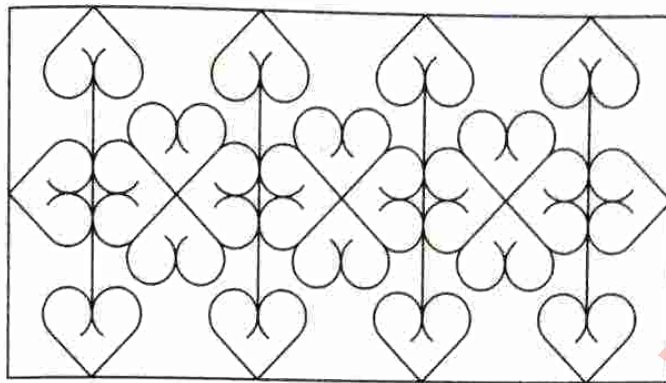


Exercise No.: 3

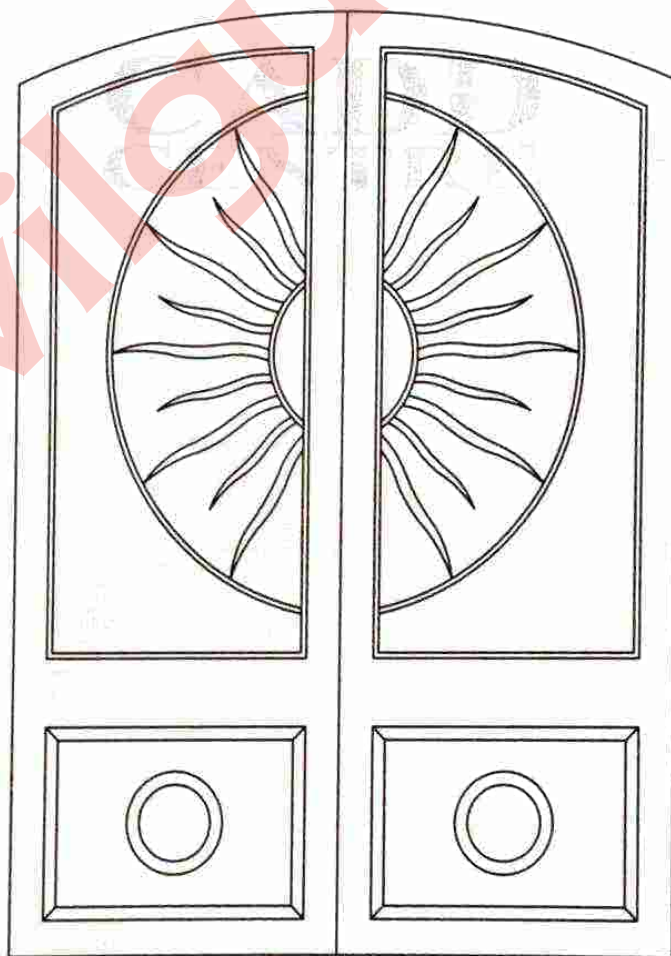
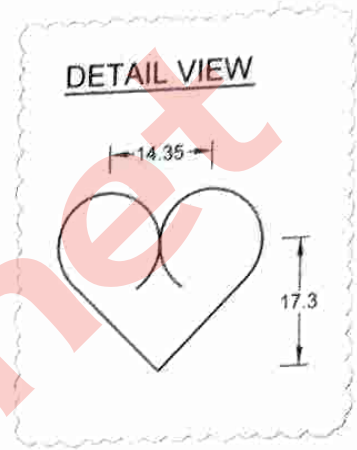
Date:

Duration: 45 min.

Actual Duration:



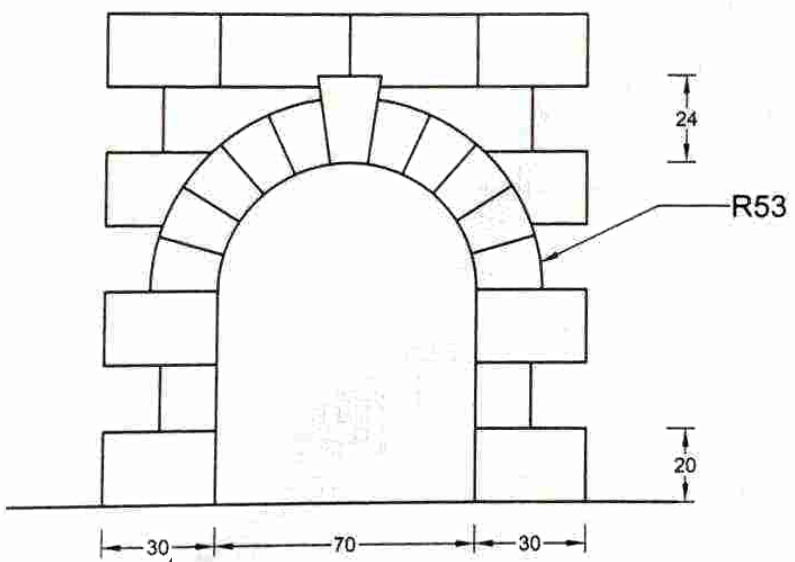
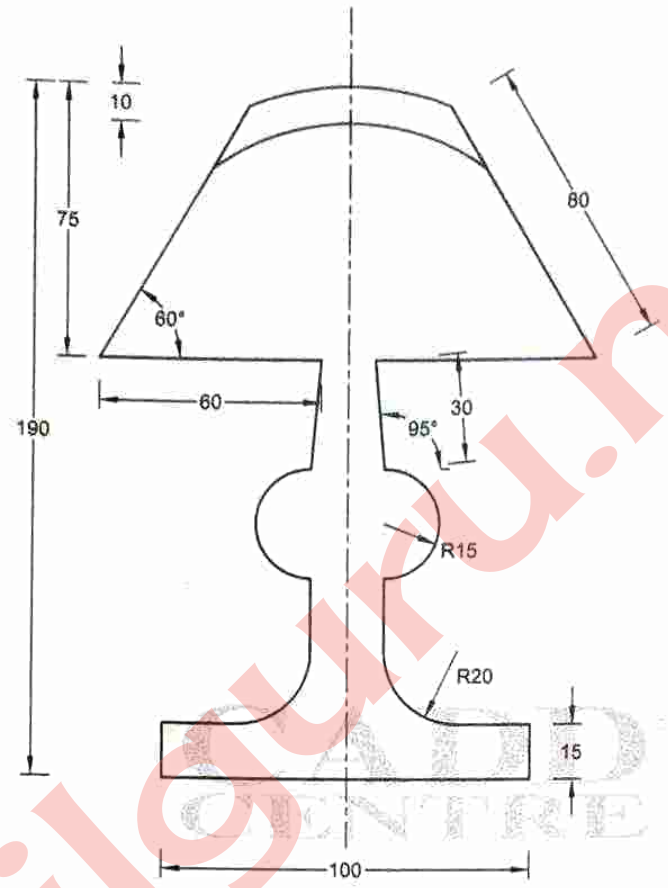
100



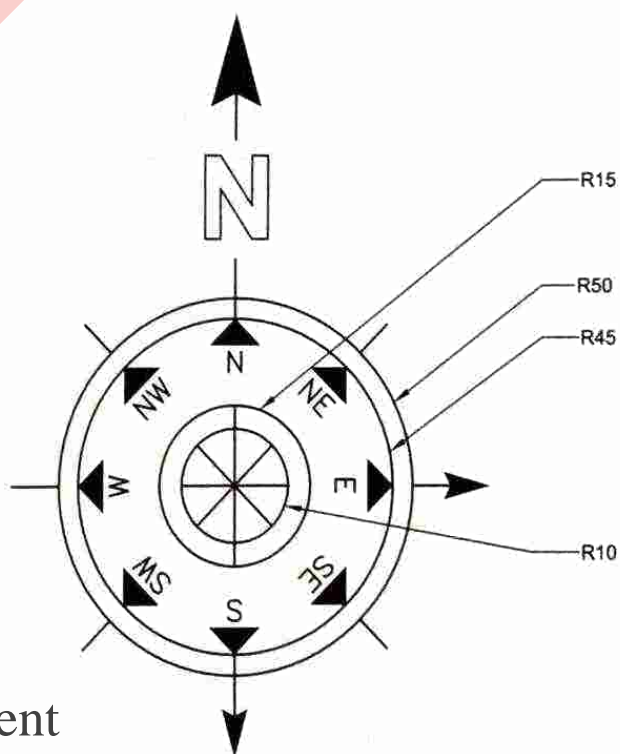
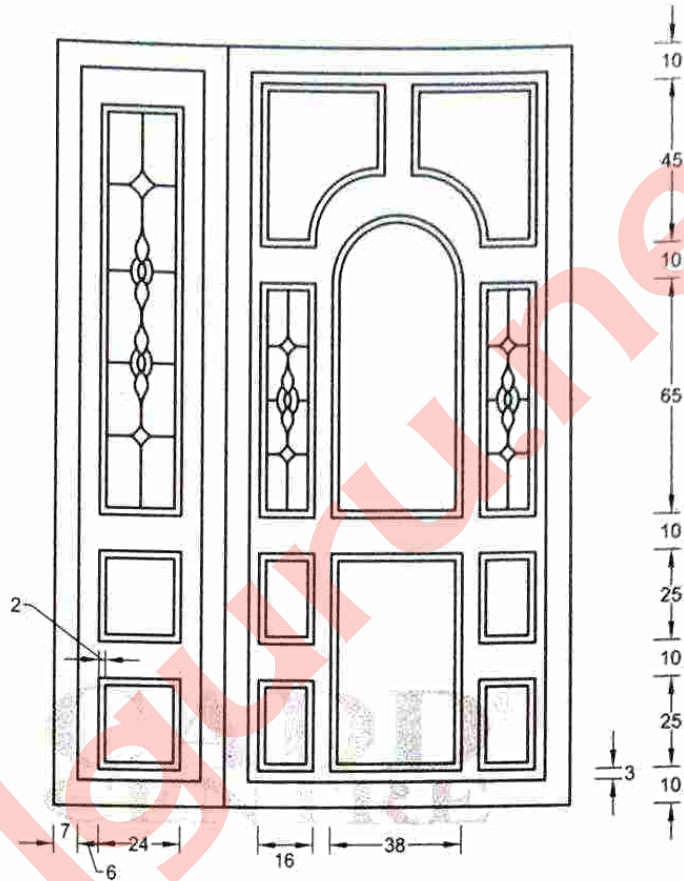
180
19
53
10

10 78 10 196

Exercise No.: 4	Date:
Duration: 30 min.	Actual Duration:



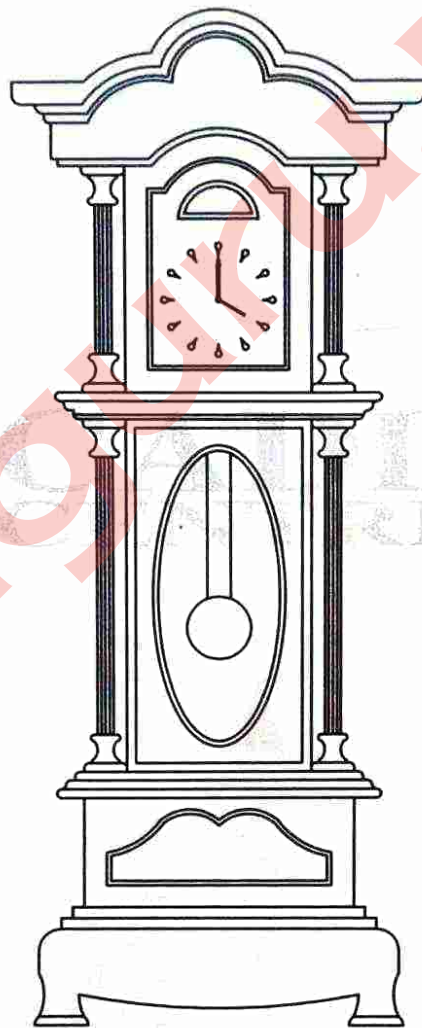
Exercise No.: 5	Date:
Duration: 30 min.	Actual Duration:



Project No.: 1	Date:
Duration: 45 min.	Actual Duration:

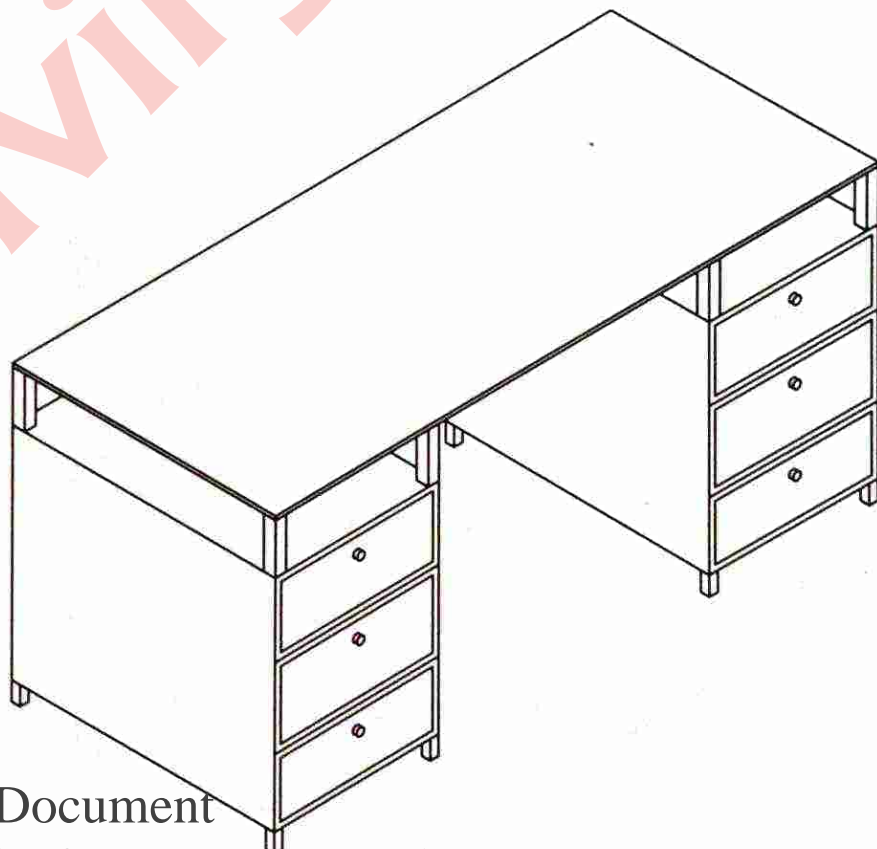
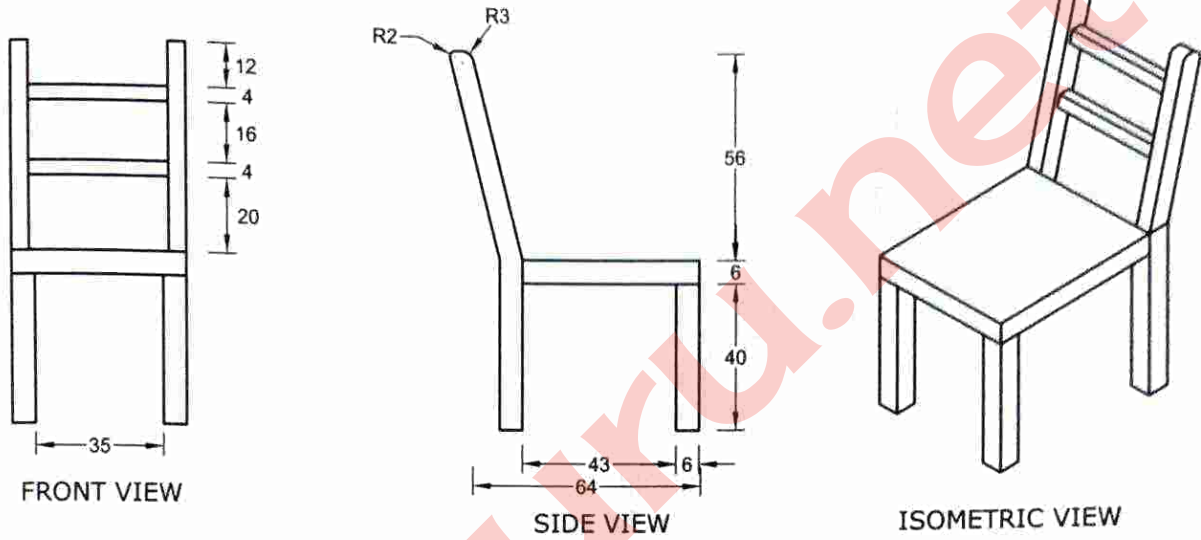
Create the given Grand Father Clock.

- i) Width = 60cm ; Height = 200cm.



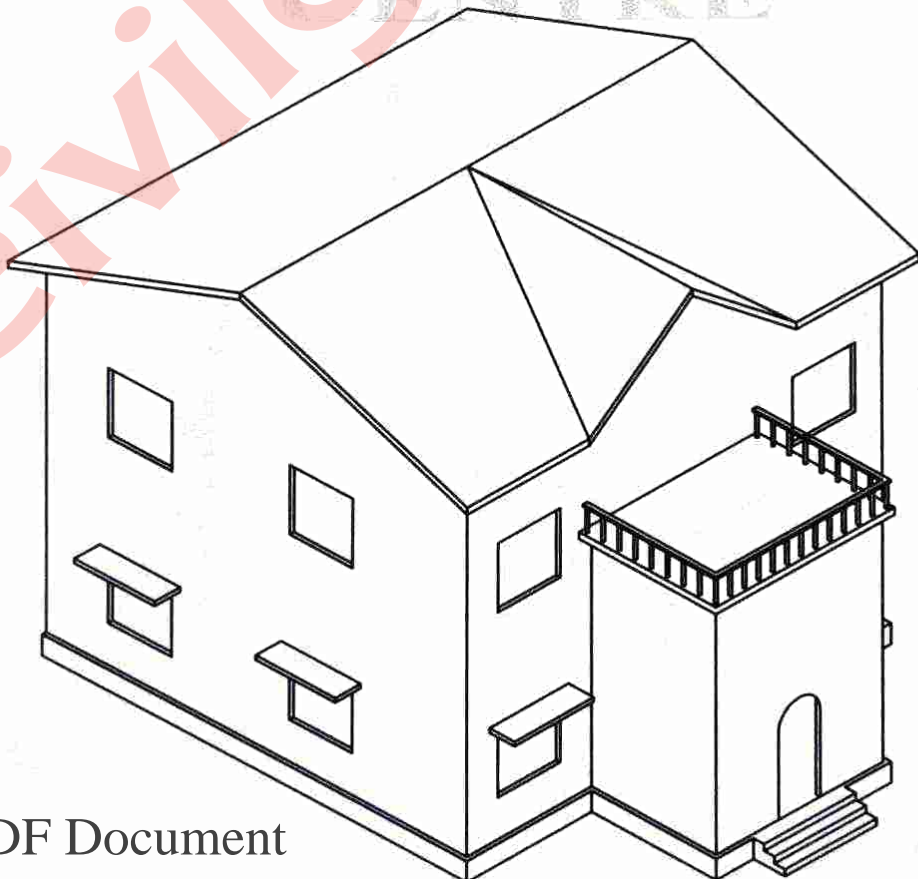
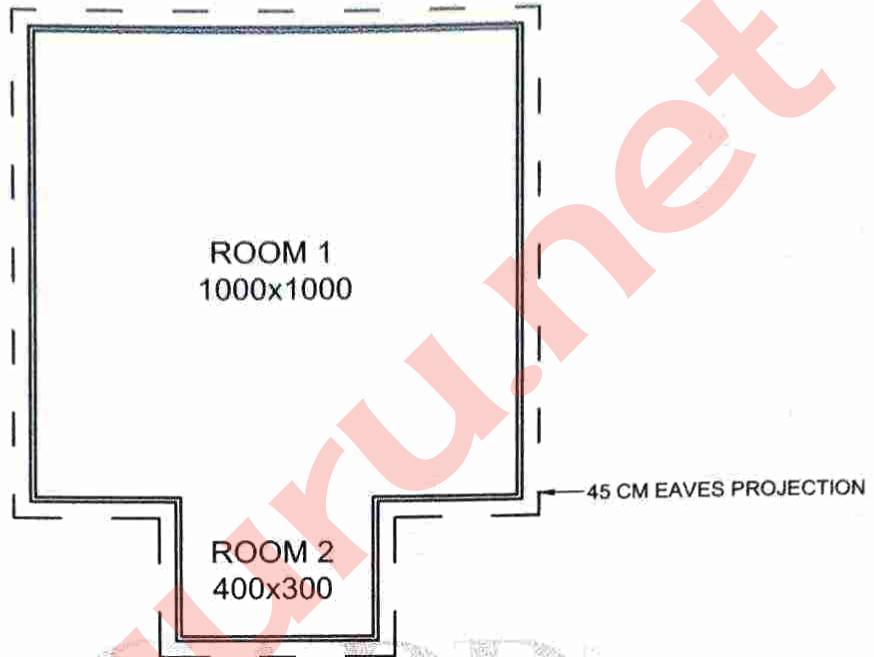
Exercise No.: 6	Date:
Duration: 45 min.	Actual Duration:

Create the Isometric Views



Exercise No.: 7	Date:
Duration: 60 min.	Actual Duration:

Create the Isometric View



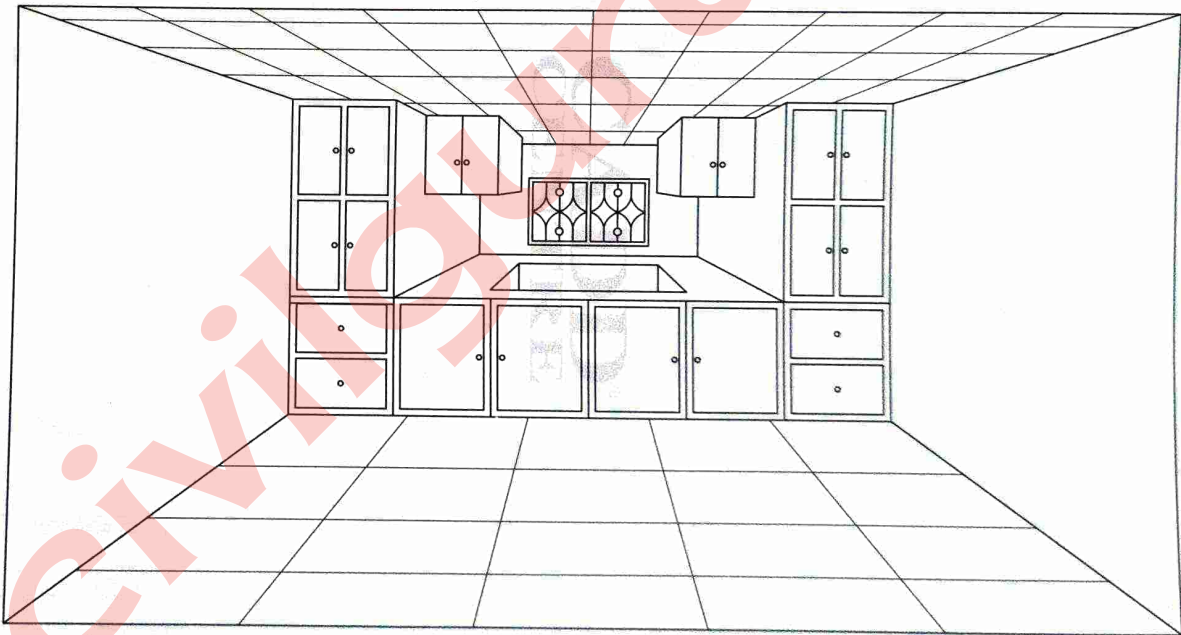
Exercise No.: 8

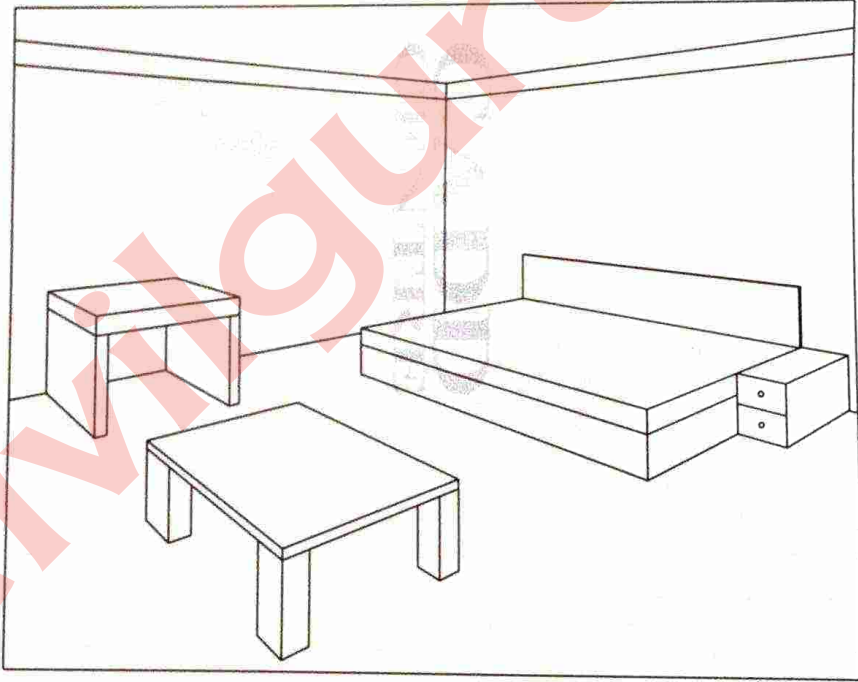
Date:

Duration: 75 min.

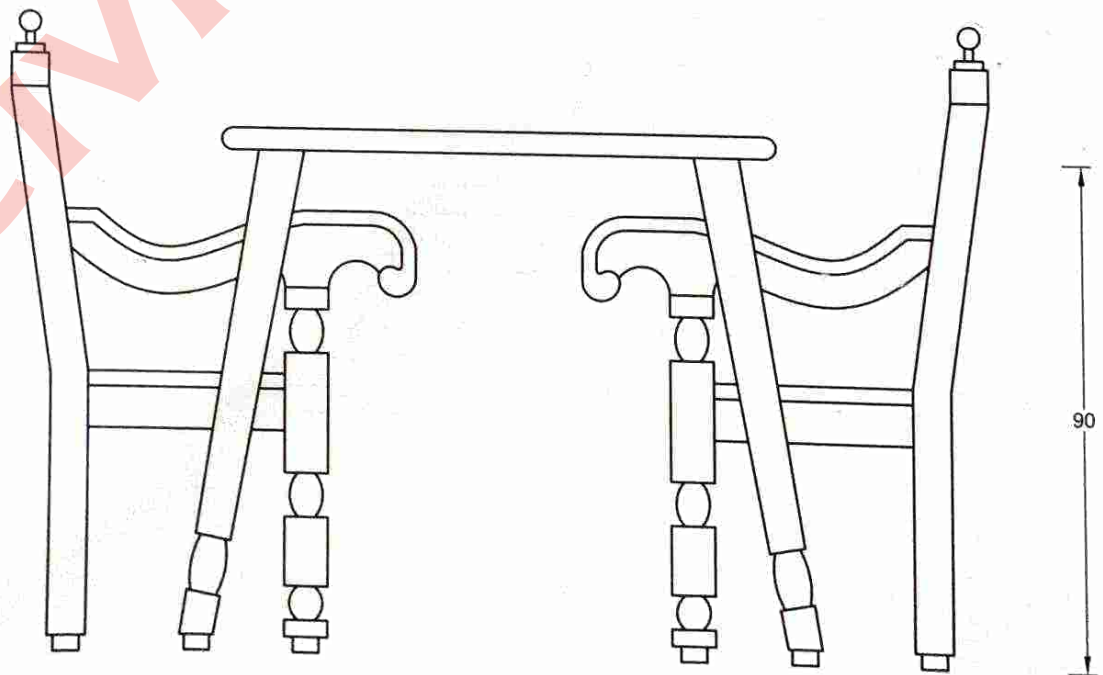
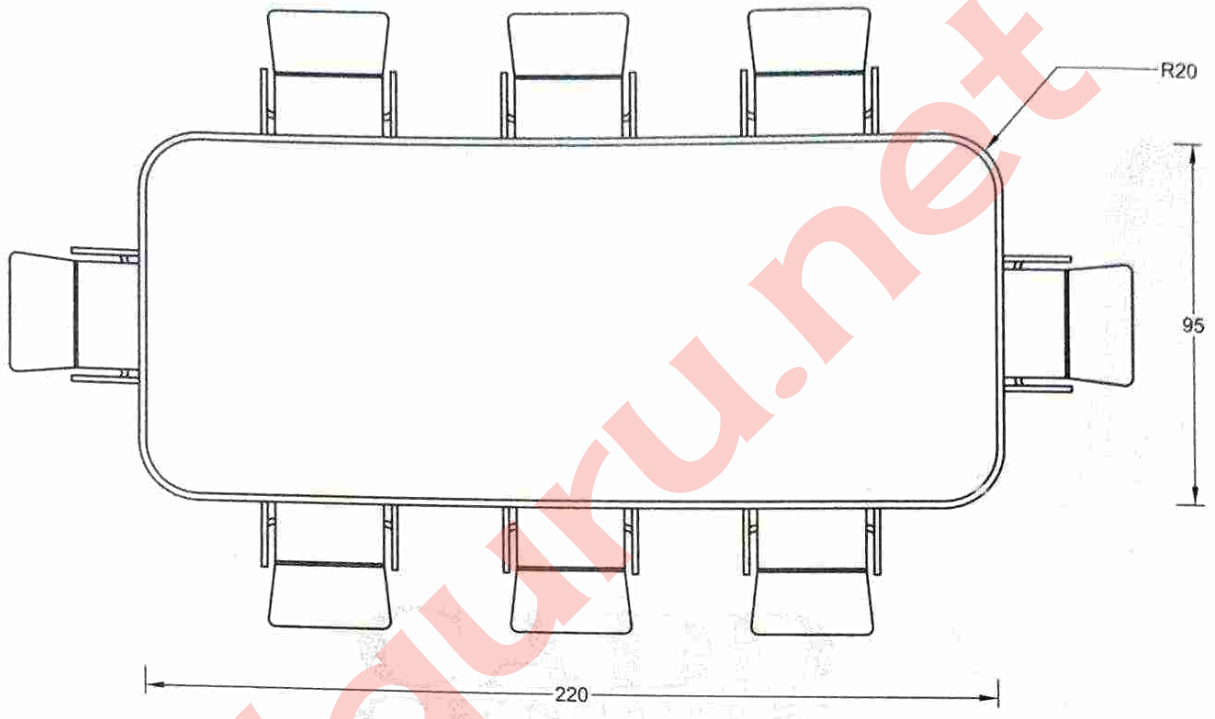
Actual Duration:

One Point Perspective View



Exercise No.: 9	Date:
Duration: 75 min.	Actual Duration:
<u>Two Point Perspective View</u>	
	

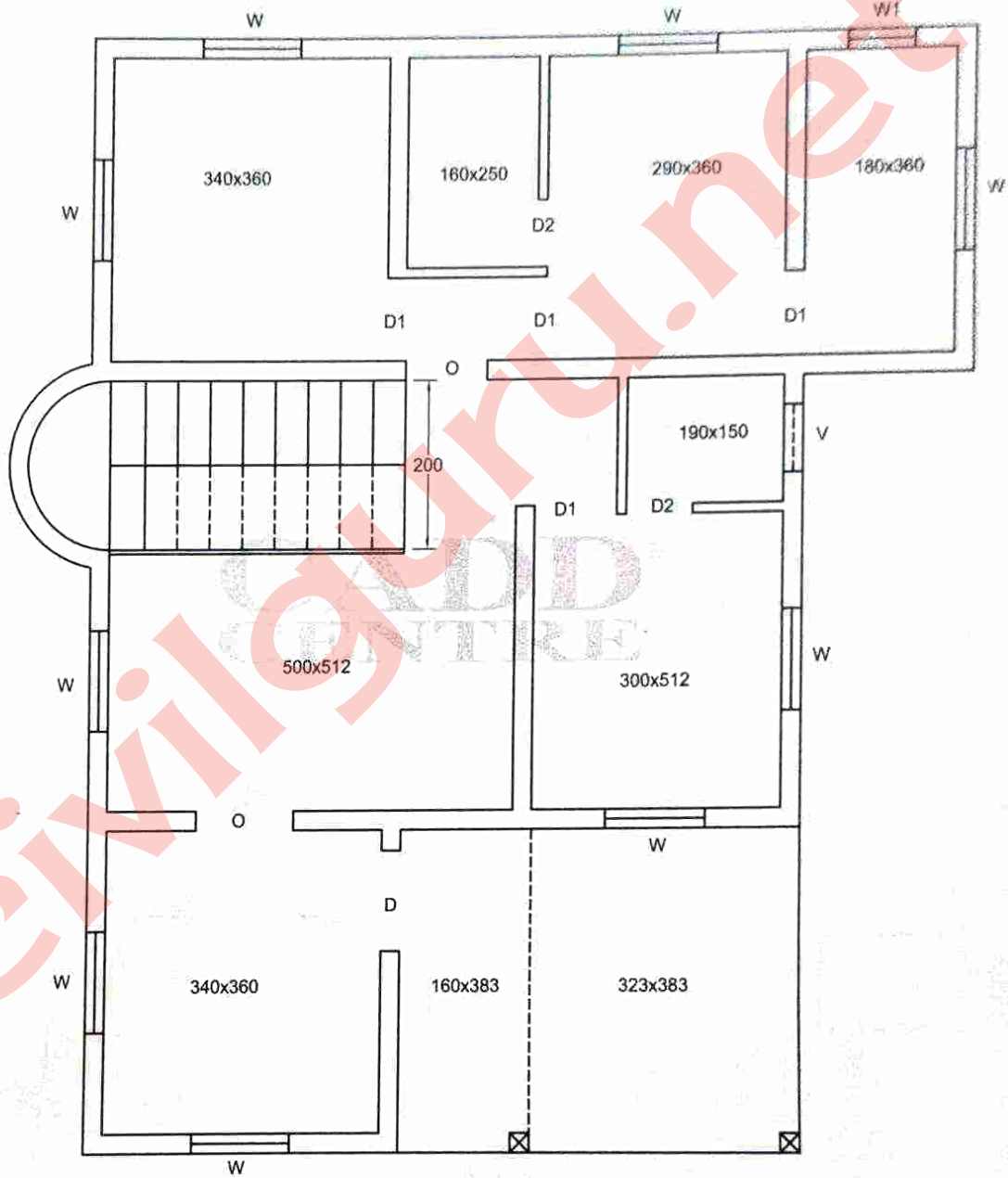
Exercise No.: 11	Date:
Duration: 45 min.	Actual Duration:



Exercise No.: 12	Date:
Duration: 45 min.	Actual Duration:

Create and save the model as 'Type A.dwg'.

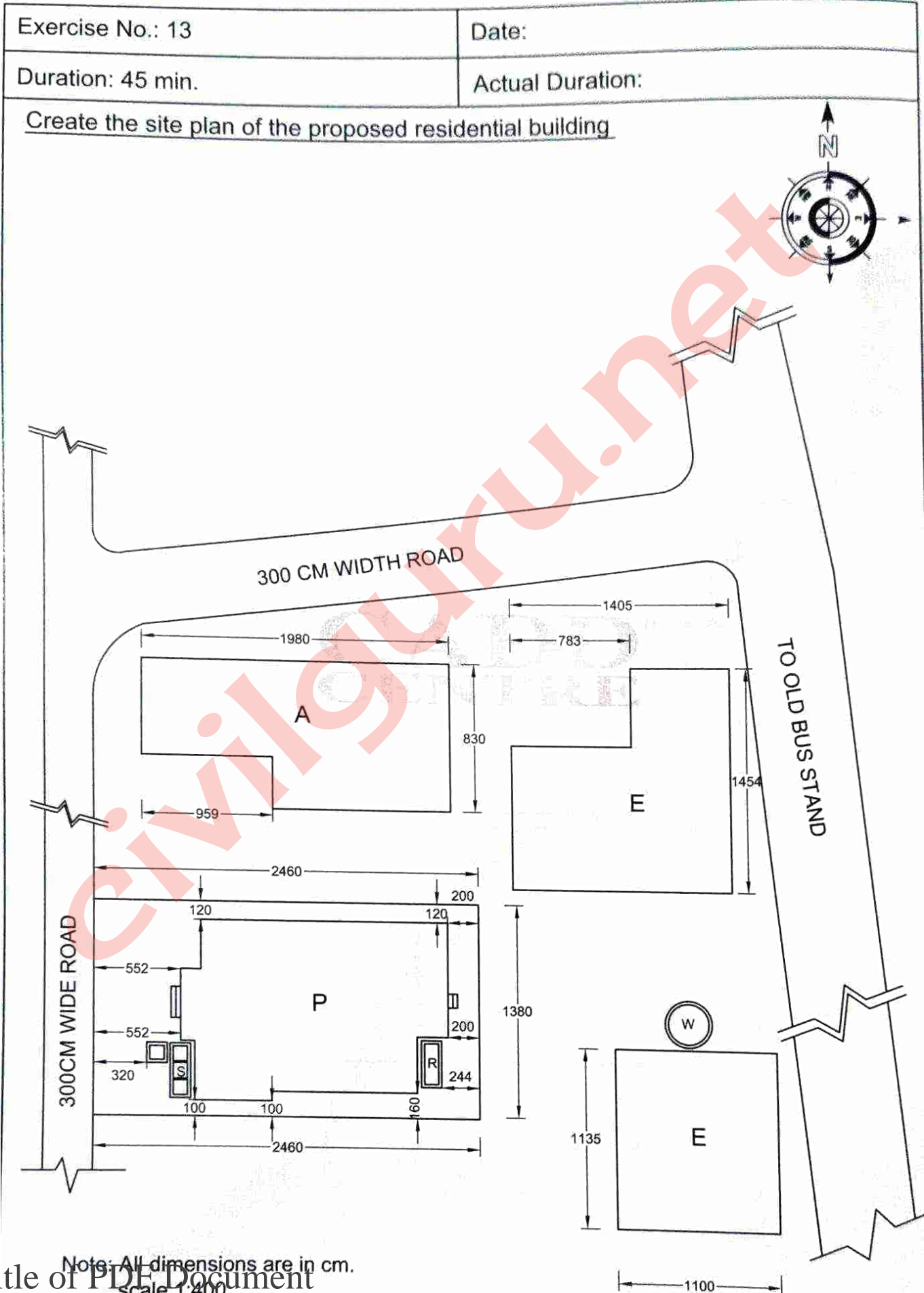
Note: Use layers and annotative text.



Specifications:

ID	Item	Size
D	Door	120 X 210
D1	Door	100 X 210
D1	Door	80 X 210
O	Opening	120 X 210
W	Window	120 X 120
W1	Window	80 X 120
V	Ventilator	80 X 45

Note: All dimensions are in cm.
Main walls are of 23cm thick.
Partition walls are of 10cm thick.



Note: All dimensions are in cm.
Scale 1:400

Exercise No.: 13-A	Date:
Duration:	Actual Duration:
Create details of the proposed residential building using TABLE	

MARK	DESCRIPTION
E	EXISTING BUILDING
S	PROPOSED SEPTIC TANK AND SOAK PIT
W	EXISTING WELL
A	EXISTING SHOP
R	PROPOSED RAIN WATER COLLECTION TANK
P	PROPOSED BUILDING

AREA DETAILS		
FLOOR	PLINTH	CARPET
GROUND	176.80M ²	141.44M ²
FIRST	91.57M ²	73.26M ²
TOTAL	268.37M ²	214.70M ²

Exercise No.: 14	Date:
Duration: 30 min.	Actual Duration:

Create the elevation view of 'TYPE A'



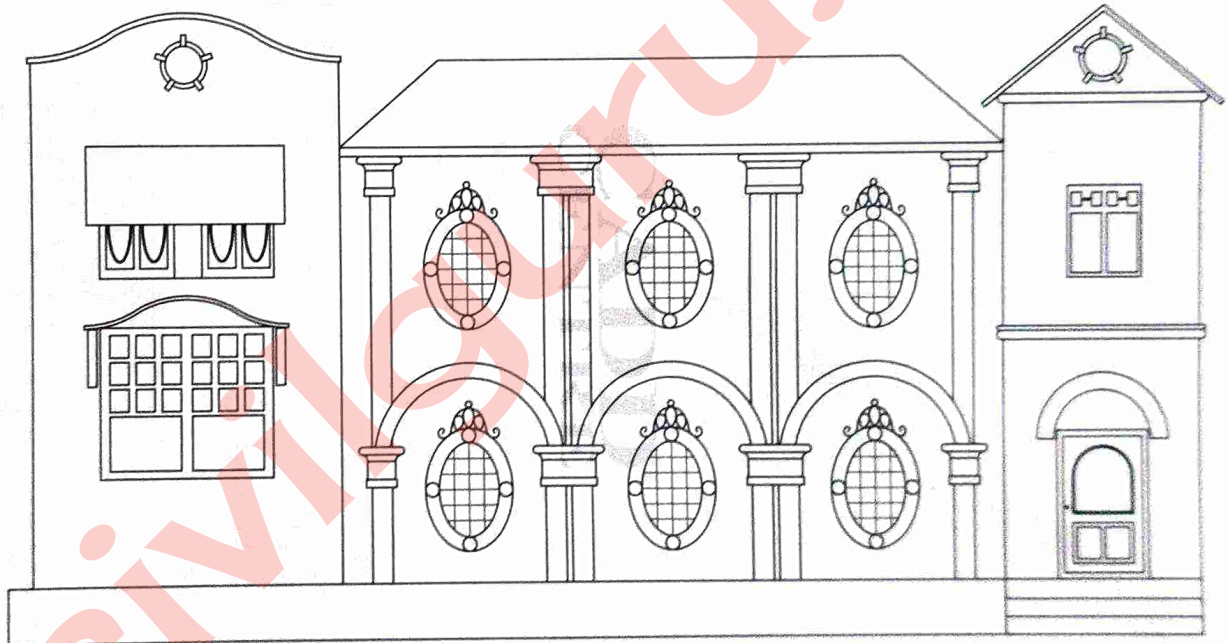
ELEVATION

Exercise No.: 15

Date:

Duration: 45 min.

Actual Duration:



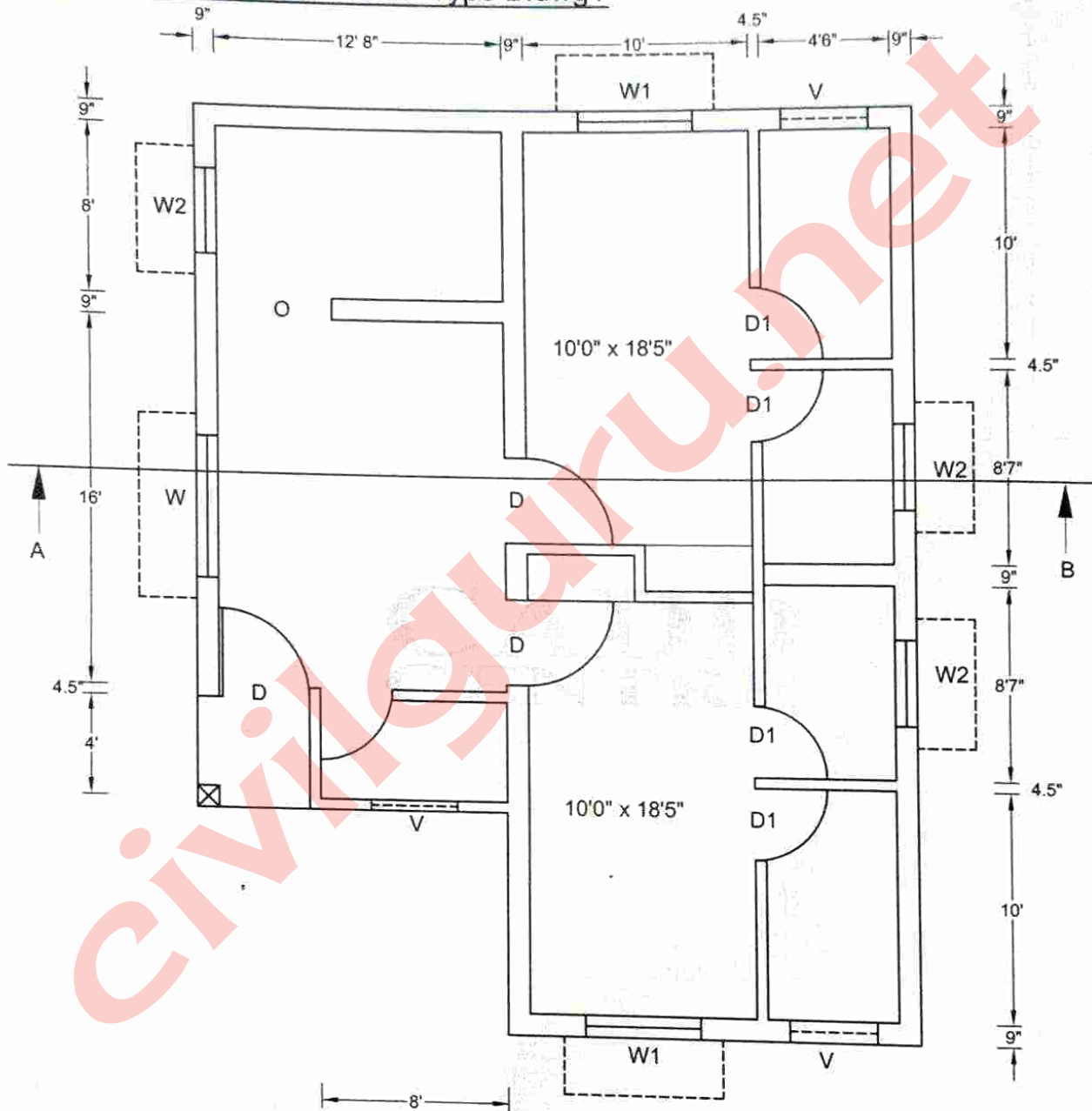
Exercise No.: 16

Date:

Duration: 45 min.

Actual Duration:

Create and save the model as 'Type B.dwg'.



Specifications:

ID	Item	Size
D	Door	3' x 7'
D1	Door	2'6" x 7'
O	Opening	3' x 7'
W	Window	5' x 4'
W1	Window	4' x 4'
W2	Window	3' x 4'
V	Ventilator	3' x 1'6"

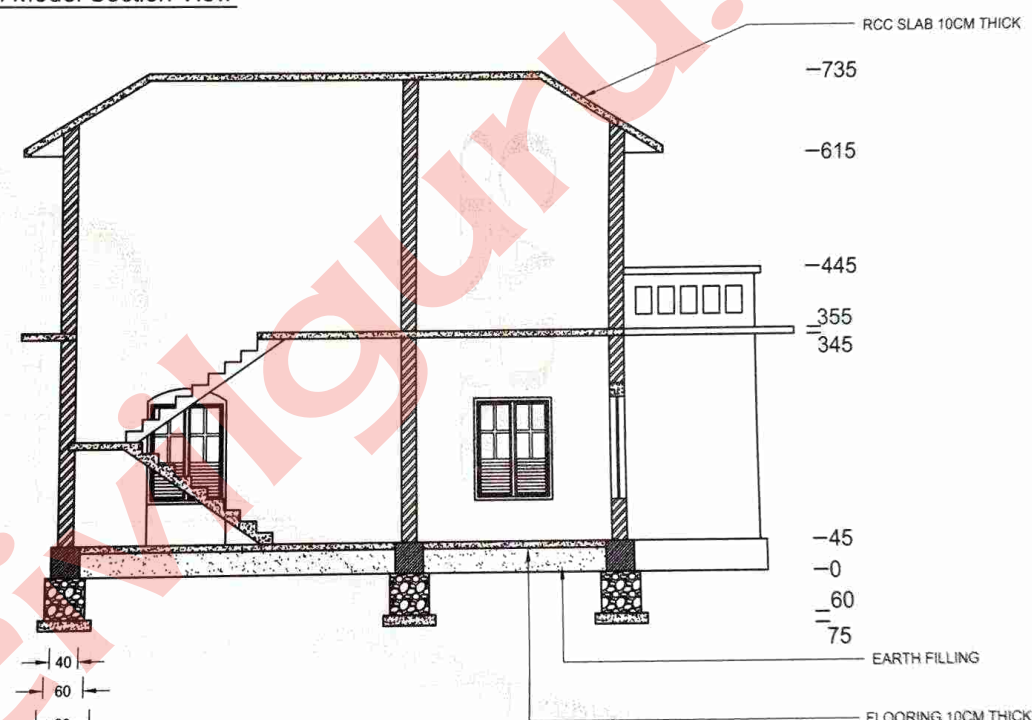
Exercise No.: 17	Date:
Duration: 45 min.	Actual Duration:

Section view of 'Type B.dwg' (Exercise 16) along AB

2'-6"
6"
10"
1'-6"
6"
1'-6"
2'-6"
3'-6"

Exercise No.: 18	Date:
Duration: 30 min.	Actual Duration:

Create the given Model Section View



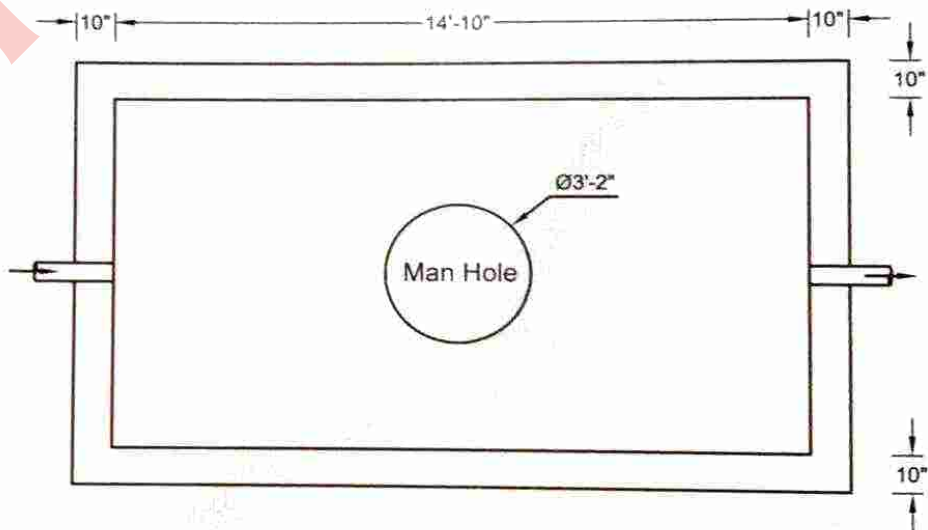
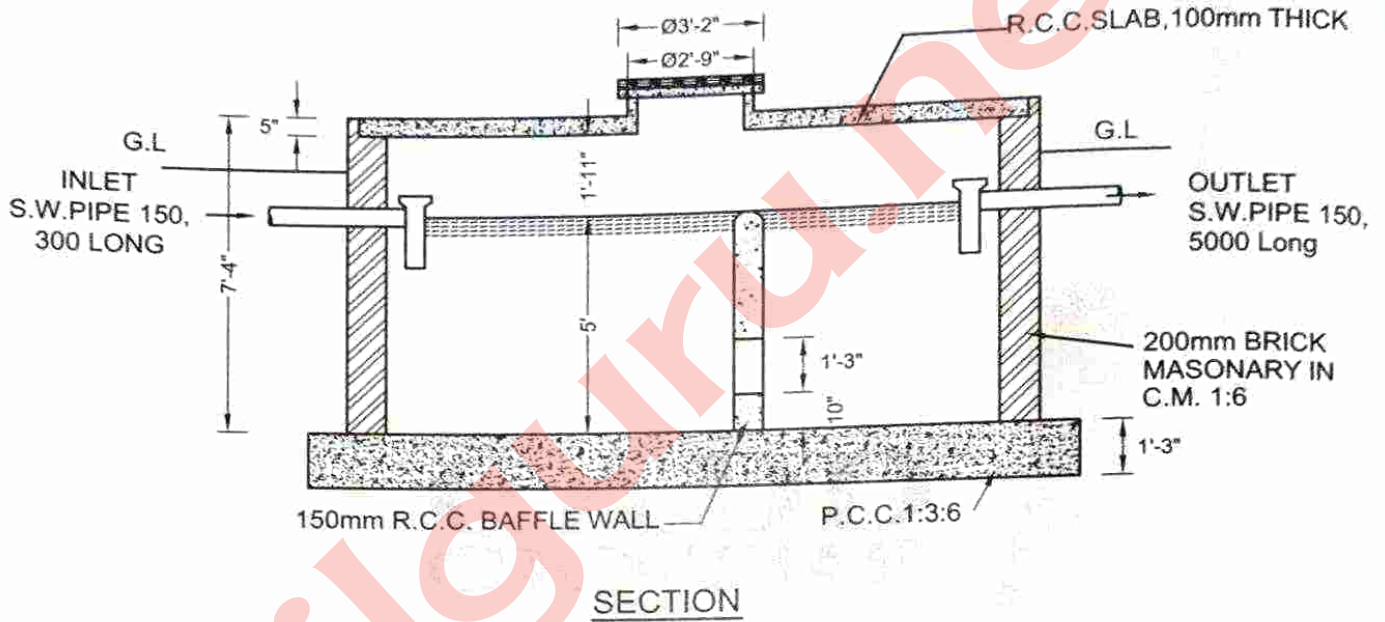
The diagram is a cross-section of a building. On the left, a staircase with a handrail leads up from a ground level to a second floor. A window is shown on the second floor. The roof is a gabled structure. On the right, there is a smaller structure with a window. The drawing includes the following labels and dimensions:

- Vertical dimensions on the right: -735 (top of RCC slab), -615 (top of roof), -445 (top of second floor), 355 (top of first floor), 345 (top of ground floor), -45 (top of earth filling), -0 (ground level), -60 (bottom of earth filling), -75 (bottom of earth filling).
- Horizontal dimensions at the bottom left: 40, 60, 80.
- Labels: "RCC SLAB 10CM THICK", "EARTH FILLING", "FLOORING 10CM THICK".

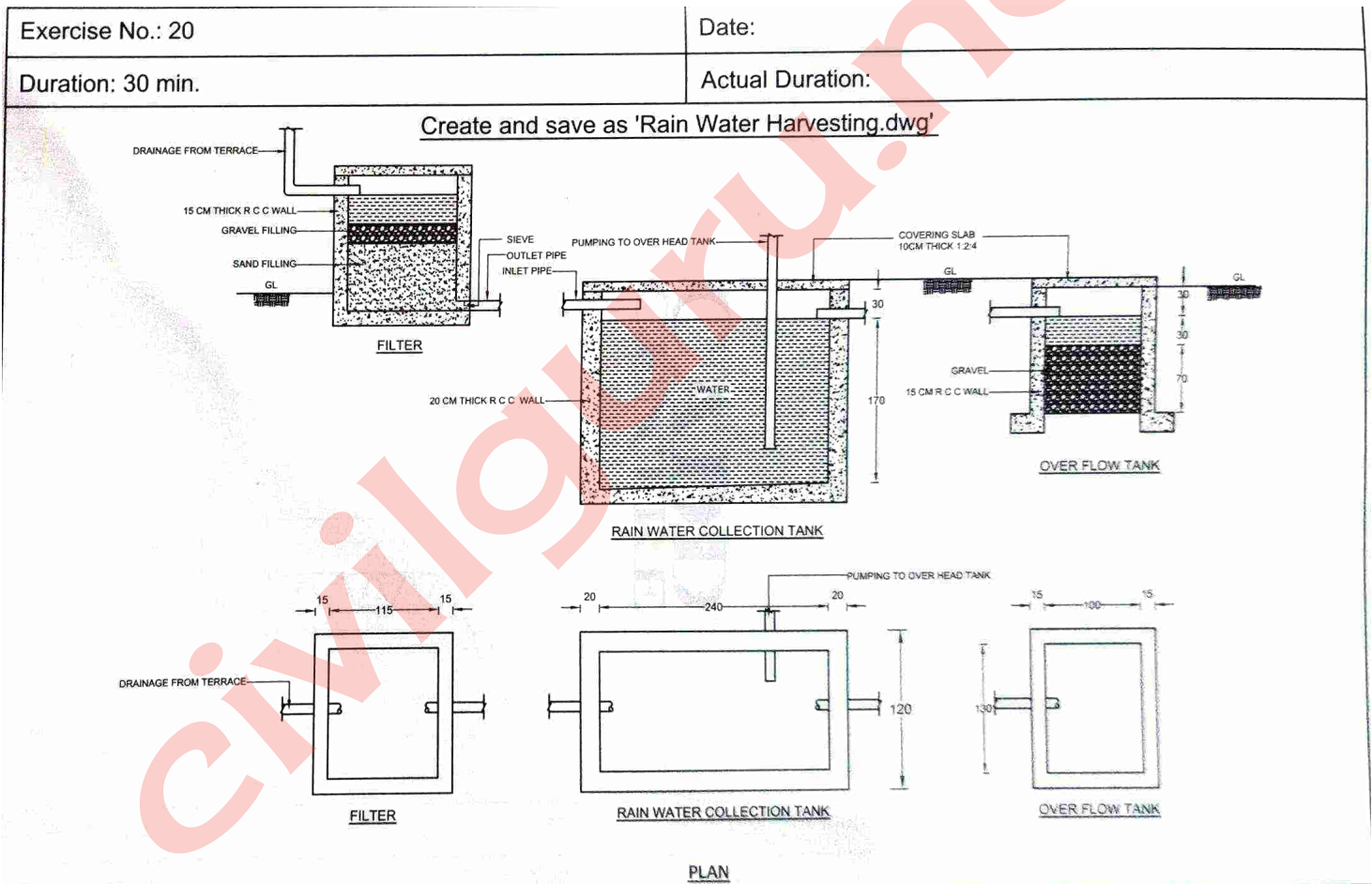
All dimensions are in cm.

Exercise No.: 19	Date:
Duration: 30 min.	Actual Duration:

Create and save as 'Septic Tank Detail.dwg'



PLAN



Exercise No.: 21	Date:
Duration: 90 min.	Actual Duration:

The image contains two technical drawings of truss bridges. The top drawing is a 'PARALLEL CHORD CONTINUOUS TRUSS' with a constant depth of 55'-0". It is supported by four piers and divided into three sections: 7 panels @ 60'-0" = 420'-0", 13 panels @ 60'-0" = 780'-0", and 7 panels @ 60'-0" = 420'-0". The bottom drawing is a 'VARIABLE DEPTH CONTINUOUS TRUSS' with a depth that varies from 50'-0" at the ends to 100'-0" in the center. It is supported by four piers and divided into three sections: 10 panels @ 39'-0" = 390'-0", 20 panels @ 39'-0" = 780'-0", and 10 panels @ 39'-0" = 390'-0".

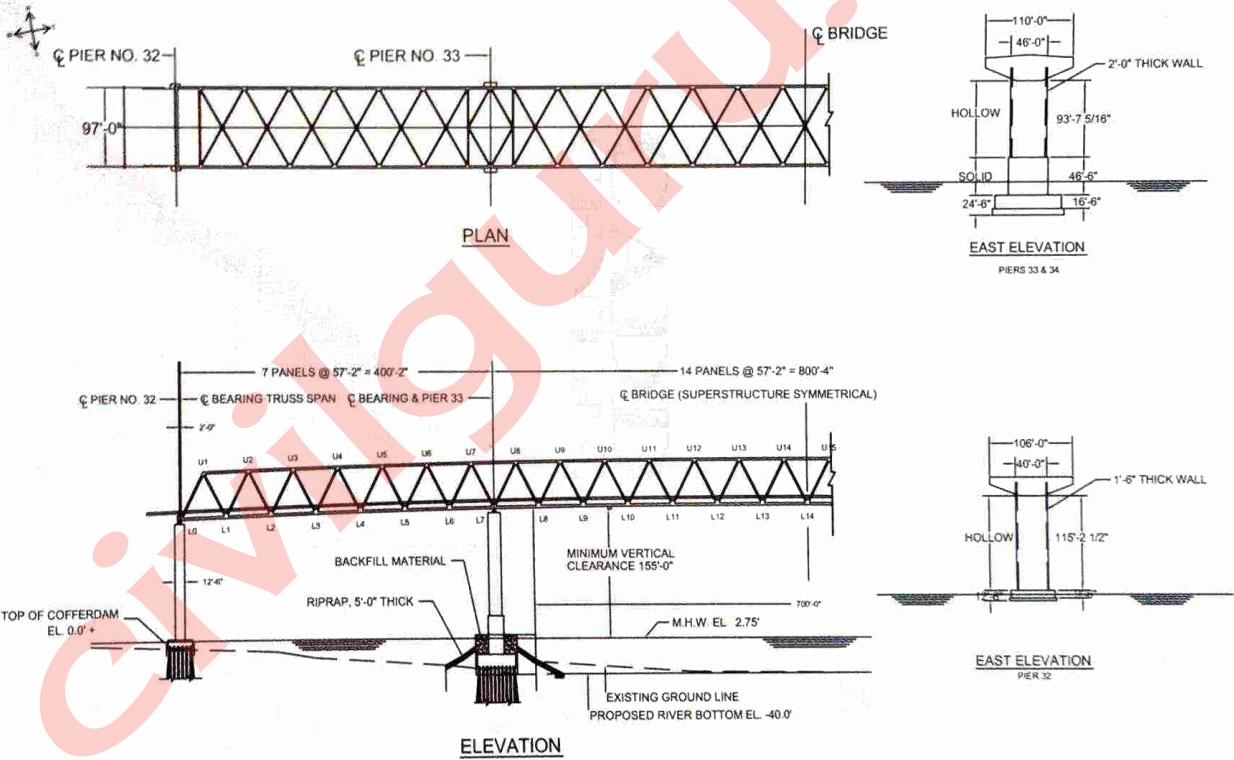
NOTES:
THE VERTICAL CURVATURE OF THE BRIDGES HAS BEEN IGNORED IN THIS DRAWING.
ASSUME THE DIMENSIONS WHEREVER REQUIRED.

Exercise No.: 22

Date:

Duration: 90 min.

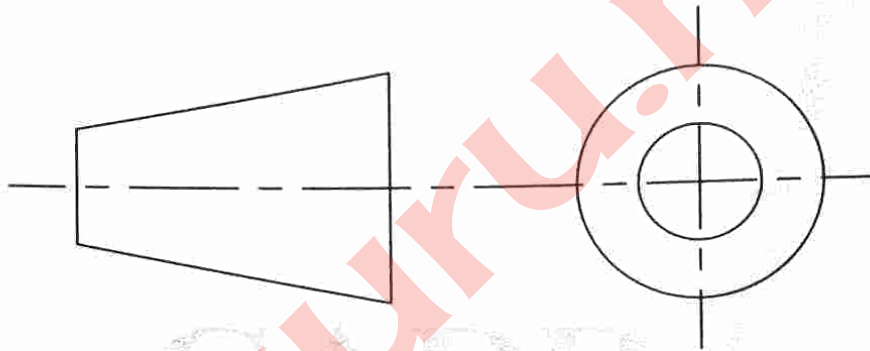
Actual Duration:



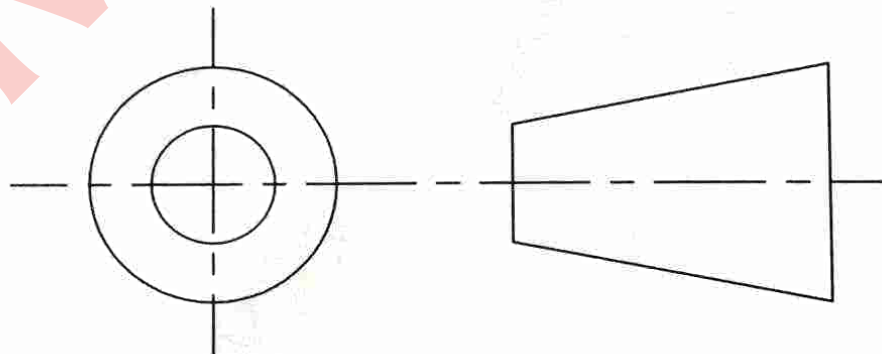
Exercise No.: 23	Date:
Duration: 30 min.	Actual Duration:

Create a dynamic block with visibility parameter to support both the projection symbols.

First Angle Projection



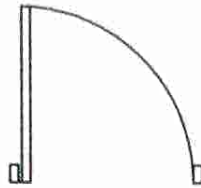
Third Angle Projection



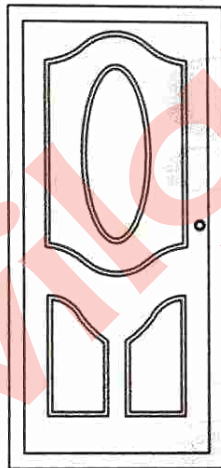
Exercise No.: 24	Date:
Duration: 45 min.	Actual Duration:

Create a dynamic block which supports all the following door views with the specified dimensions.

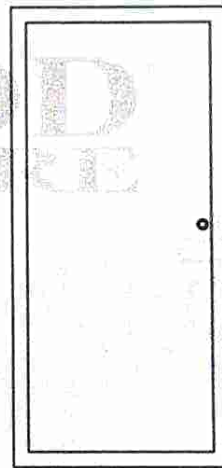
Plan



Front Elevation



Back Elevation

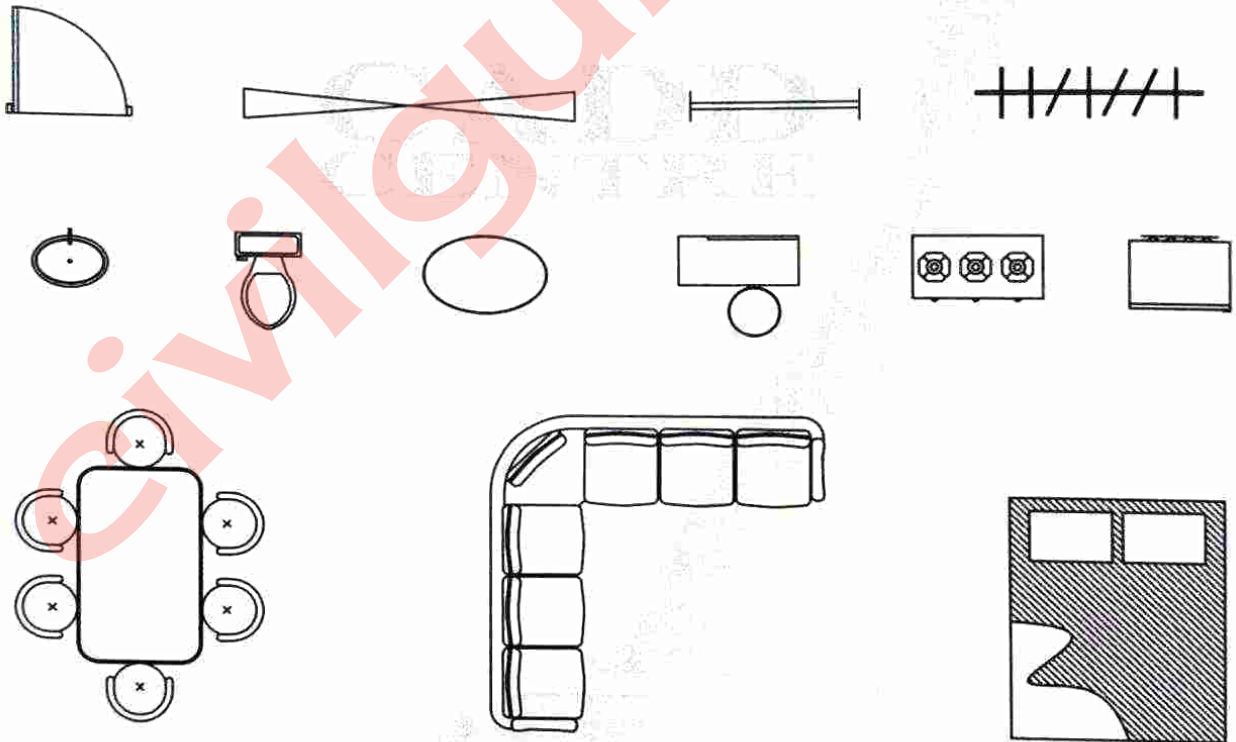


DESCRIPTION		
MARK	NAME	SIZE
D	DOOR	100X210
D1	DOOR	90X210
D2	DOOR	80X210

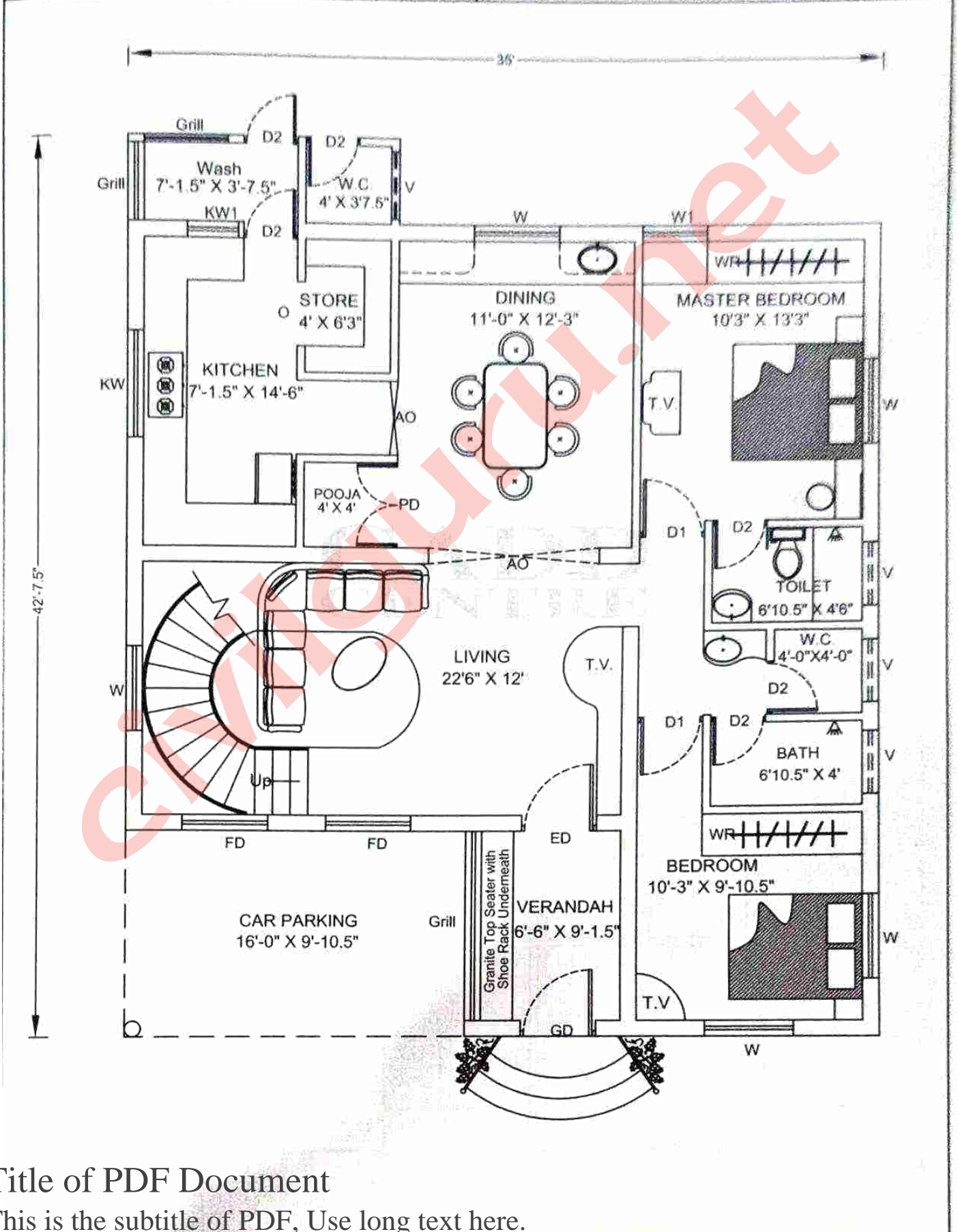
Exercise No.: 25	Date:
Duration: 180 min.	Actual Duration:

DIRECTIONS :

1. Save the following Furniture and Joineries as Dynamic Blocks which supports multiple views (Front, Top and Side views) of the same component.
 - a. Assume proportionate dimensions.
 - b. Use ByBlock Color.
2. Complete the plan as shown in next page with the help of the blocks.



Exercise No.: 25 - A	Date:
Duration:	Actual Duration:

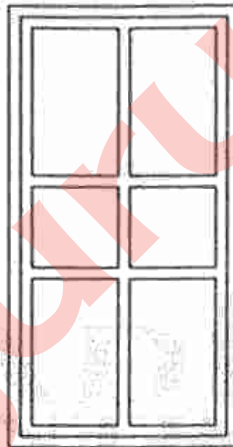


Exercise No.: 26	Date:
Duration: 60 min.	Actual Duration:

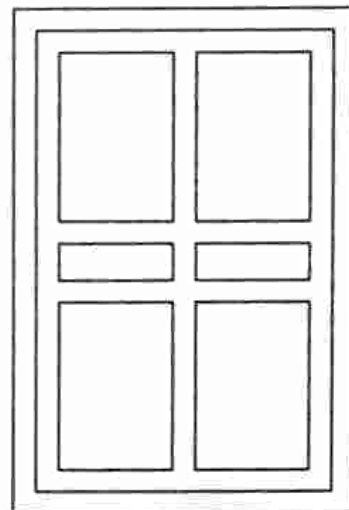
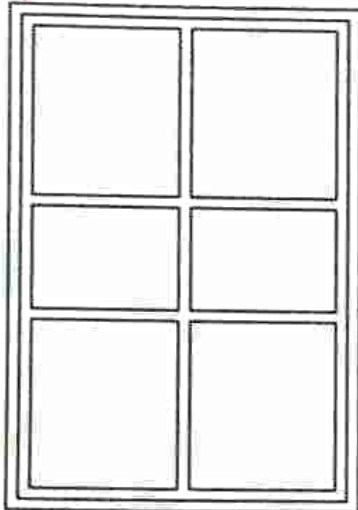
Complete the following model with geometric and dimensional constraints which will get the following inputs.

Height
Width
Panel Thickness

Block



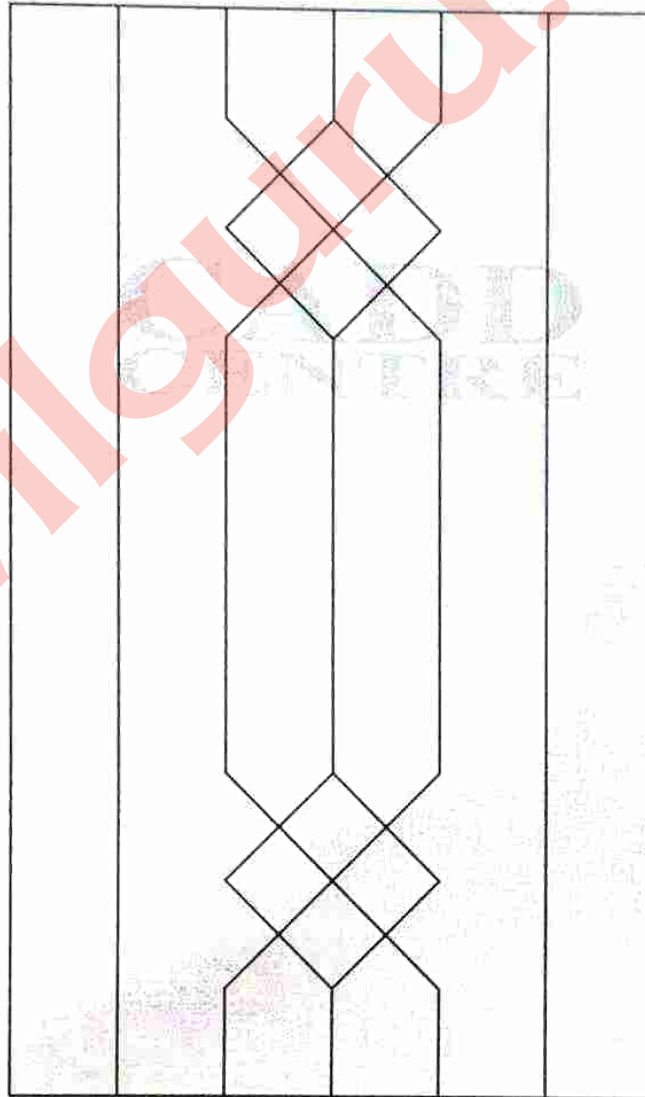
Model Output

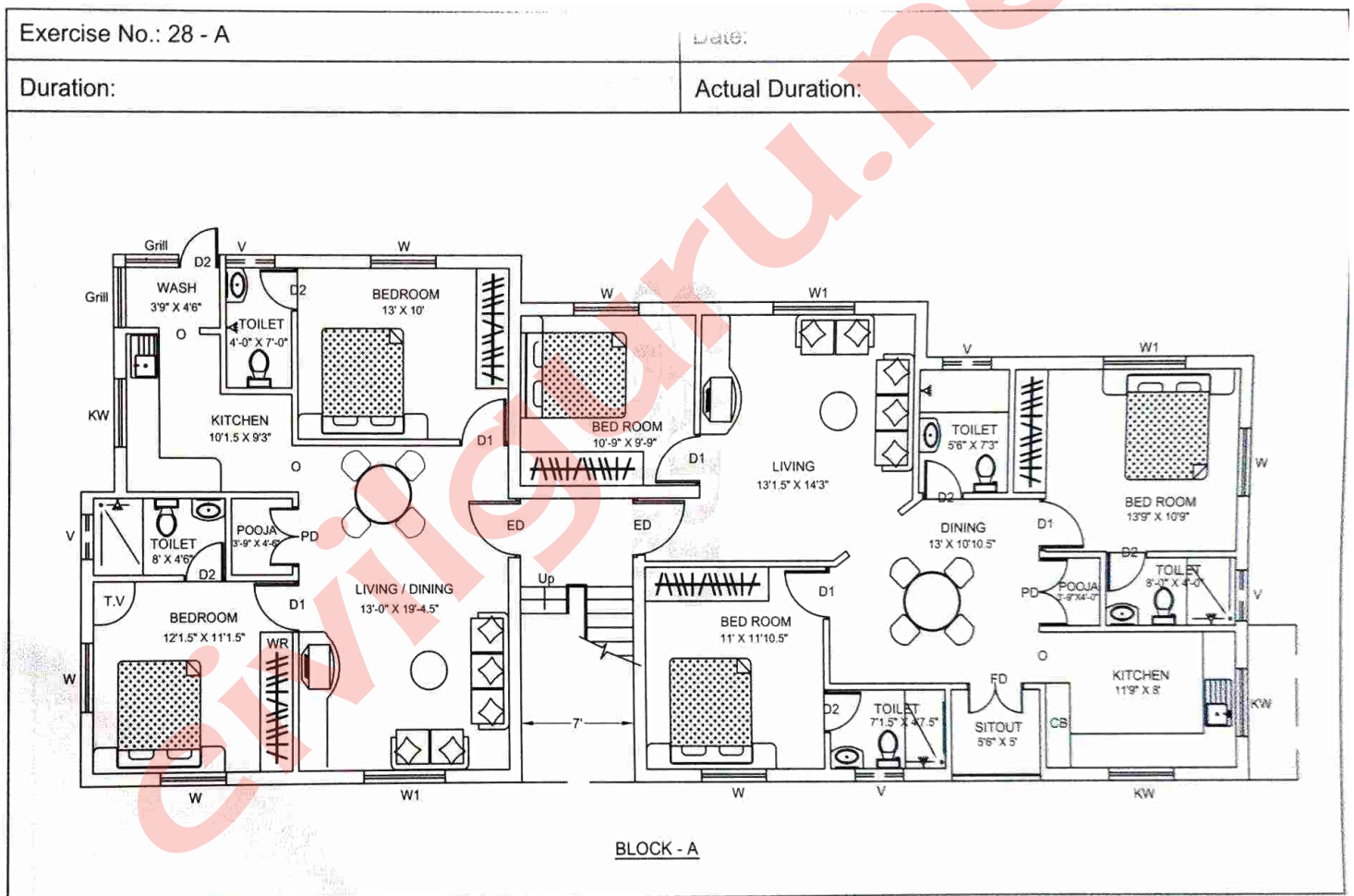


Exercise No.: 27	Date:
Duration: 45 min.	Actual Duration:


Create a dynamic block with geometric and dimensional constraints which will get the following inputs.

Height
Width





Exercise No.: 28 - B	Date:
Duration:	Actual Duration:

 AAA Civil Engineering and Architecture	Project Name	Floor Plan		Sheet No.
	---	Project Number	####	####
		Date	1-Nov-11	Scale :
		Drawn By	####	####
		Checked By	####	

Joinery Details				
ID	DES	SIZE	MAT	Count
W1	Window	5' x 5'	Glass	3
W	Window	4' x 5'	Glass	6
V	Ventilator	3' x 1'6"	Glass	5
PD	Door	3'6" x 7'	Teak Wood	2
O	Opening	2'6" x 7'	--	3
FD	Door	3'6" x 7'	Teak Wood	1
ED	Door	3'6" x 7'	Kongu Wood	2
D2	Door	2'6" x 7'	Rose Wood	6
D1	Door	3' x 7'	Teak Wood	5

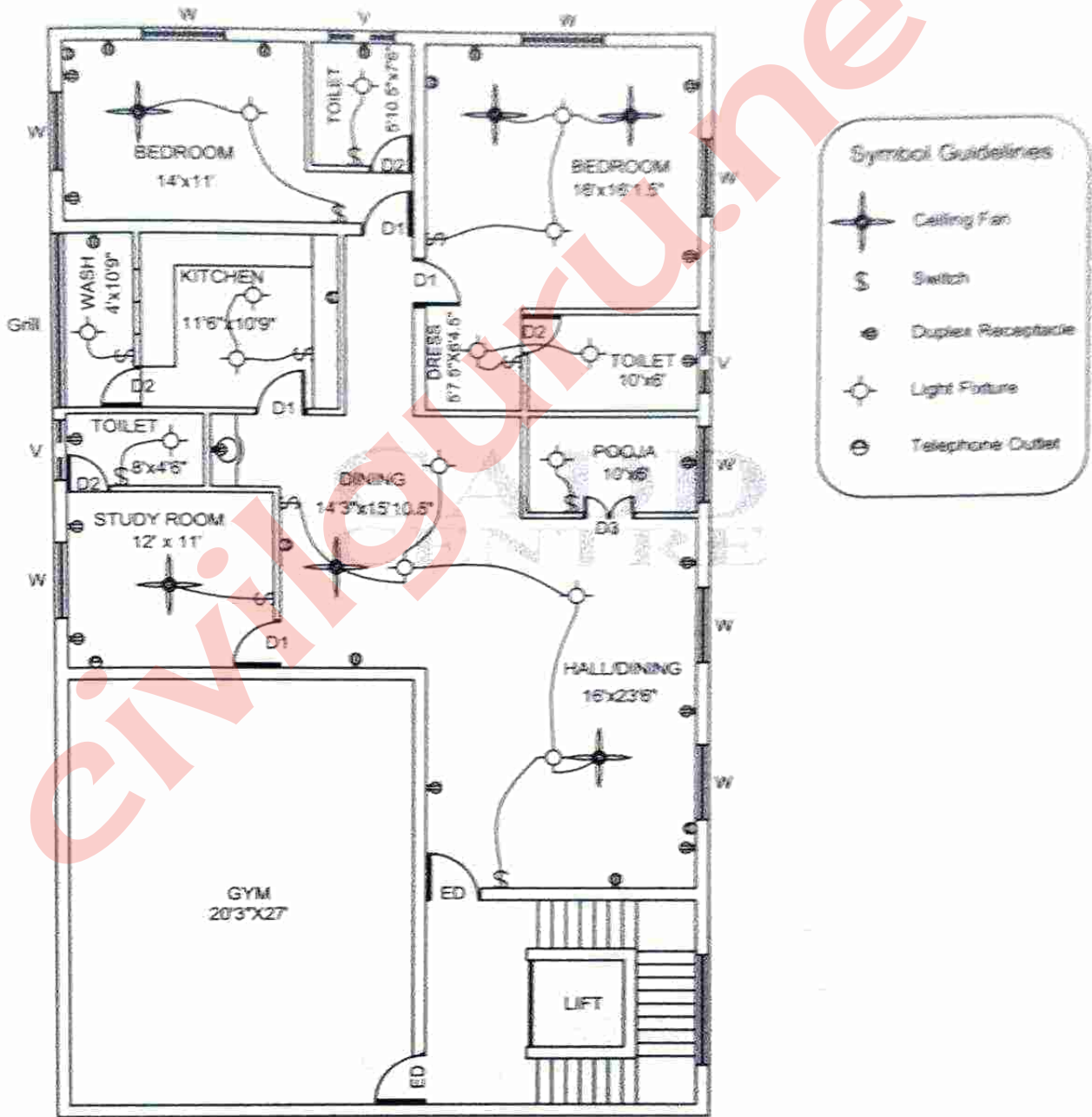
Exercise No.: 29

Date:

Duration: 90 min.

Actual Duration:

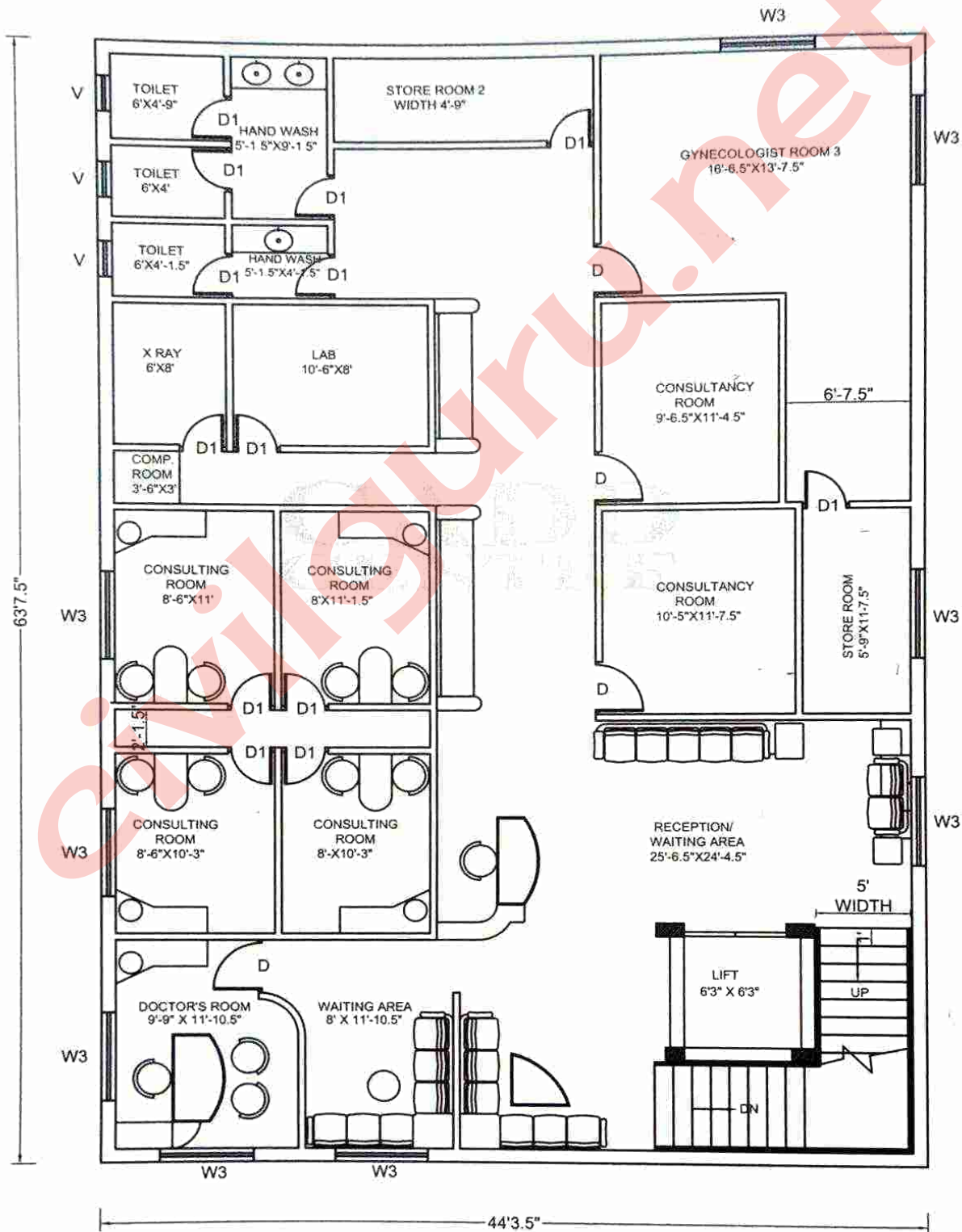
Complete the given plan with suitable blocks.



PLAN

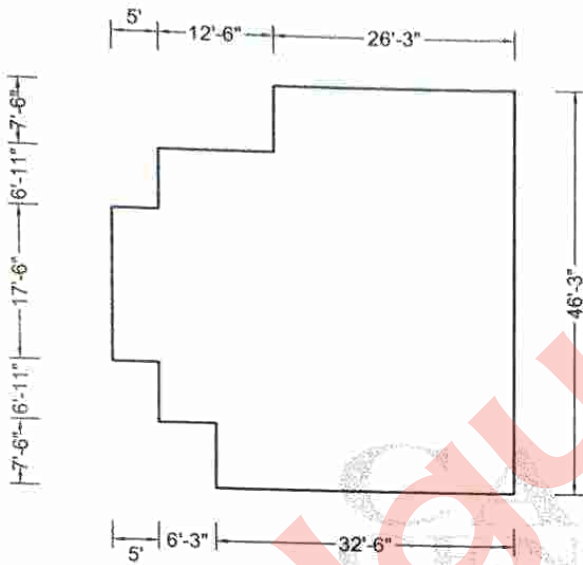
Exercise No.: 30	Date:
Duration: 180 min.	Actual Duration:

Complete the given plan with suitable blocks.

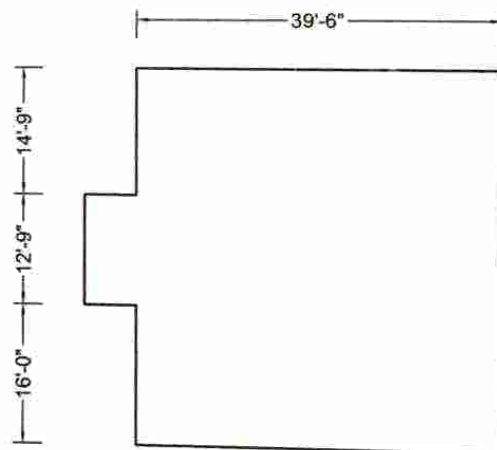


Exercise No.: 31 - A	Date:
Duration:	Actual Duration:

Type A

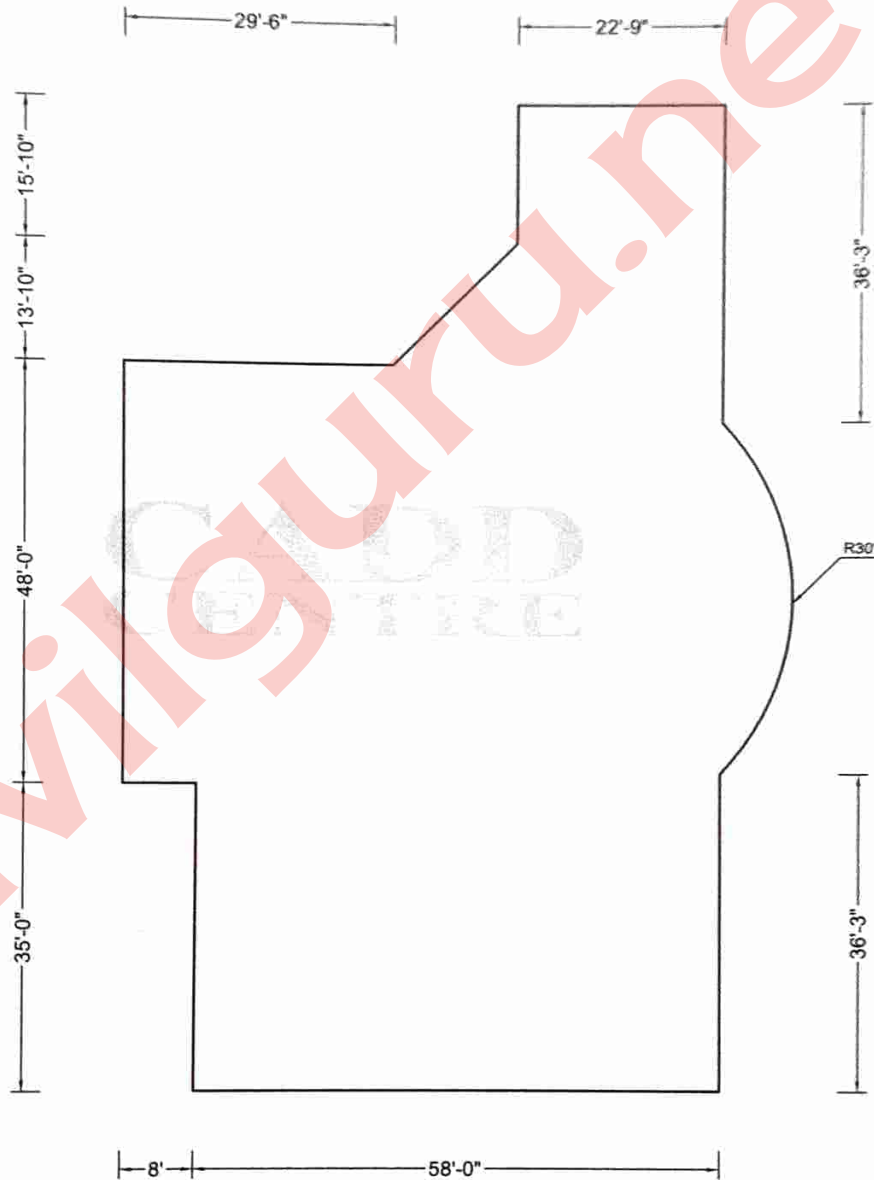


Type B

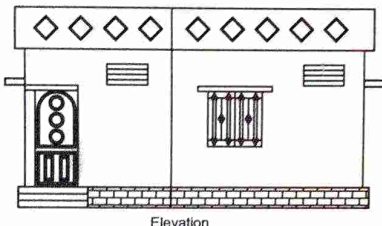


Exercise No.: 31 - B	Date:
Duration:	Actual Duration:

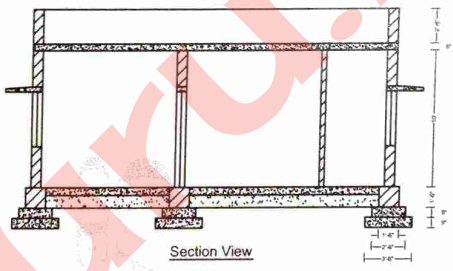
Shopping Mall



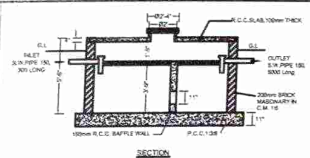
Exercise No.: 32 - A	Date:
Duration:	Actual Duration:



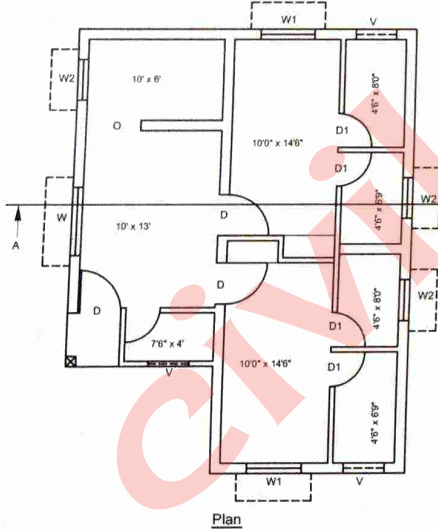
Elevation



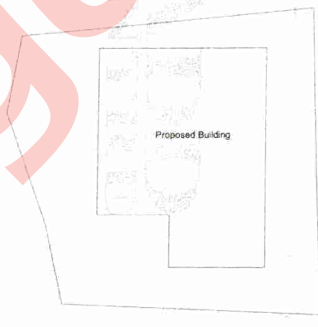
Section View



SECTION

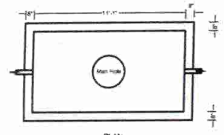


Plan




Site Plan

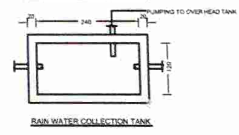
ID	Item	Size
D	Door	3' x 7'
D1	Door	2'0" x 7'
O	Opening	3' x 7'
W	Window	5' x 4'
W1	Window	4' x 4'
W2	Window	3' x 4'
V	Ventilator	3' x 16"



PLAN



RAIN WATER COLLECTION TANK



RAIN WATER COLLECTION TANK

Office Use:	Drawn By:	Approved By:	Scale:
	Engineer:	Customer:	

Project No.: 3	Date:
Duration: 120 min.	Actual Duration:

Create an approval plan for a residential building and take the printout:

Site area = 3500 Sq.Ft
No. of floors = G + 1
Bedroom = 2
Entrance facing = East

civilguru.net