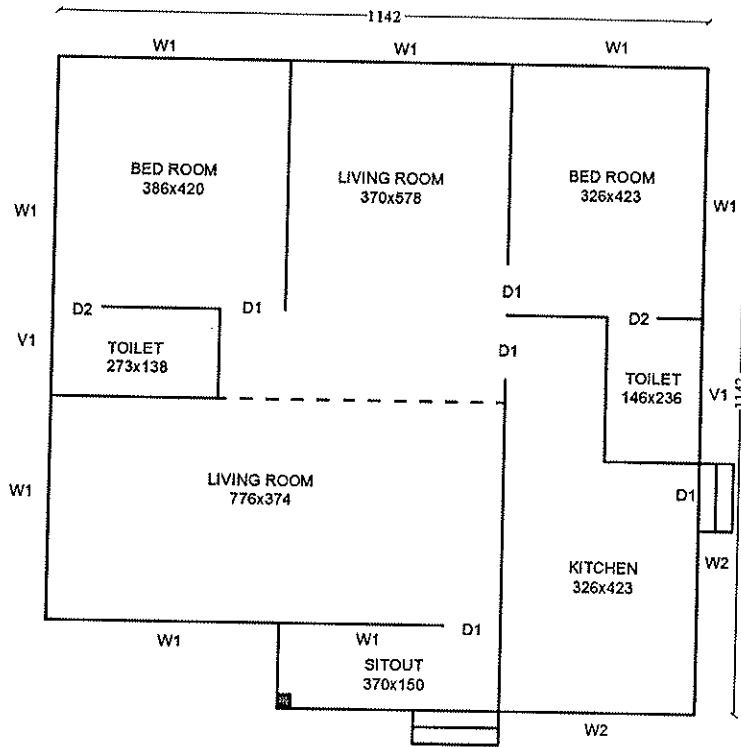


3014

SCHEME

3014 (2015) BUILDING PLANNING AND DRAWING

- I.
1. A strip footing, also known as a continuous footing or strip foundation, is a type of shallow foundation commonly used to support load-bearing walls or columns along a linear path, such as the perimeter of a building. It consists of a continuous strip of concrete that extends the entire length of the wall or column line.
 2. a waist slab refers to the inclined slab or landing that connects two flights of stairs. It serves as a structural platform for the steps.
 3. FAR stands for Floor Area Ratio. FAR is the ratio of the total floor area of a building in all floors to the area of the plot of land on which it is built.
 4. It's a measure of how much of the total land area is occupied by buildings.
Coverage = Total plinth area / Total plot area.
 5. 12 DT 21 stands for 1200 mm × 2100 mm size double shutter door.
 6. Cul-de-sac' means a street with dead end having adequate manoeuvring space facility for vehicles.
 7. mezzanine floor means an intermediate floor in any storey overhanging and overlooking a floor beneath.
 8. 'plinth' means the portion of a structure between the surface of the surrounding ground and surface of the floor, first above the ground. 'Covered area' means the ground area covered by the building and is synonymous to area of the building foot print.
 9. Group A1: Residential, Group A2 : Lodging houses & Special Residential, Group B : Educational, Group C : Medical / Hospital, Group D : Assembly, Group E : Offices/Business, Group F : Mercantile/Commercial and Group H : Storage.
Any three – $1 \times 0.5 = 1.5$ marks
 10. s
- II.
- a. Area allocation to various rooms – 5marks, Sufficient number of windows for ventilation and lighting – 5marks, Opening schedule – 2marks, Drawn to scale – 3marks, Dimensioning – 5marks, Overall neatness – 5marks. A sample line sketch is shown below.



INDEX

ID	NAME	SIZE	NO
D1	DOUBLE SHUTTER DOOR	100x210	5
D2	SINGLE SHUTTER DOOR	80x210	2
W1	3 SHUTTER WINDOW	150x140	7
W2	3 SHUTTER WINDOW	150x100	2
V1	VENTILATOR	60x45	2

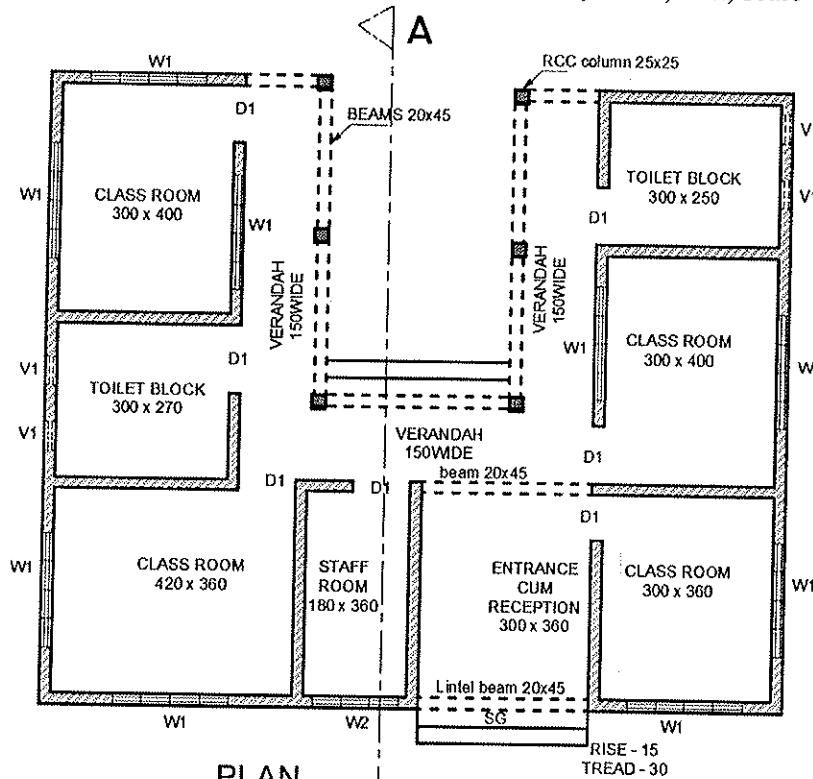
UNIT: ALL DIMENSIONS ARE IN CENTIMETERS

BUILT UP AREA - 124 sq m

LINE PLAN

SCALE 1:100

b. (i) Plan with complete dimensions- 10 marks, Index, unit, scale – 5marks



INDEX

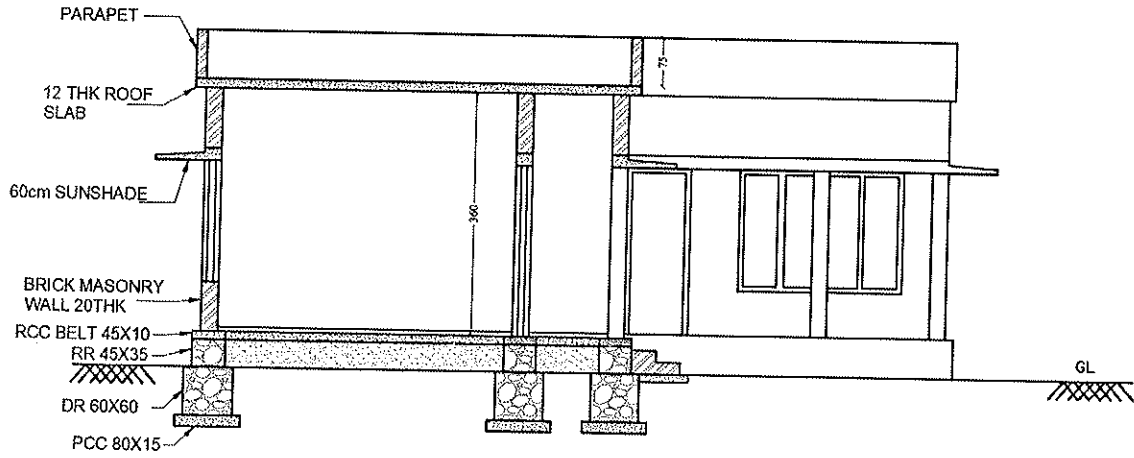
ID	NAME	SIZE	NO
D1	DOOR	100x210	7
SG	STEEL GRILL	300x210	1
W1	4 SHUTTER WINDOW	200x140	9
W2	3 SHUTTER WINDOW	150x140	1
V1	VENTILATOR	60x60	4

PLAN

SCALE 1:50

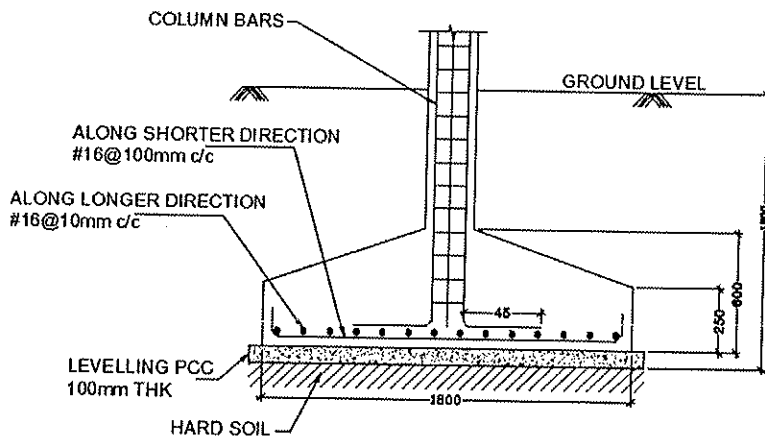
UNIT: ALL DIMENSIONS ARE IN CENTIMETERS

(ii) Section with complete markings - 15 marks

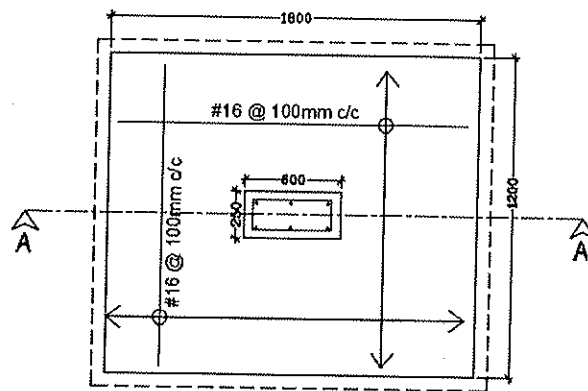


SECTION A-A
SCALE 1:50

III. Plan - 7.5 marks, Section - 7.5marks

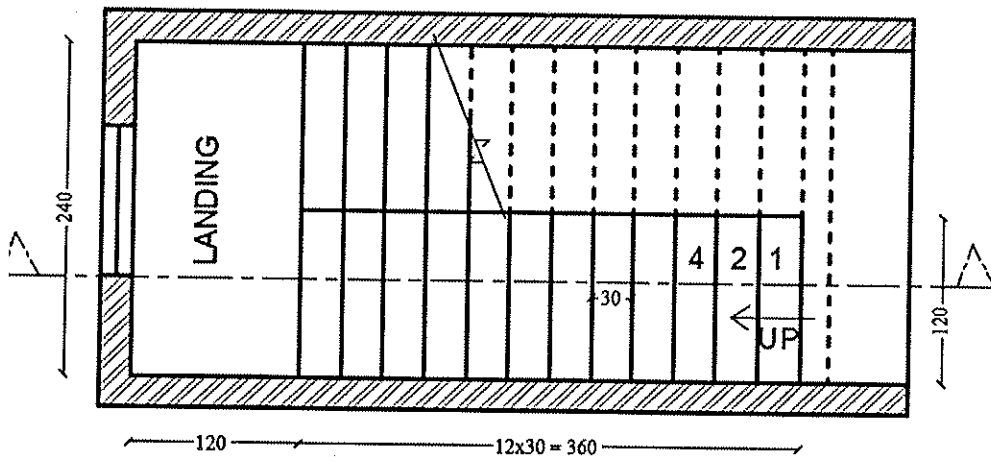
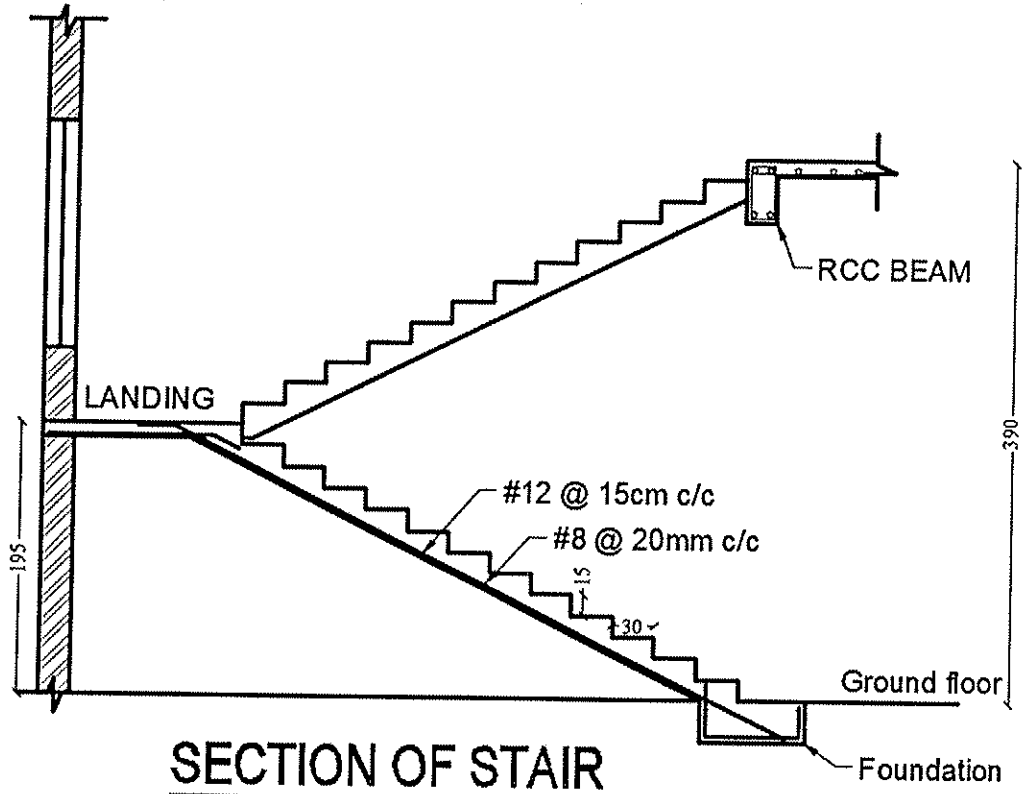


SECTION A-A



PLAN OF FOOTING

IV. Plan – 7.5 marks, Section – 7.5marks



- V. Showing Electrical components symbols such as One way Switch, Two way switch, Sockets, Tube light, Ceiling Fan etc in the plan - 6 marks
 Showing connection lines between the items in the plan – 3 marks
 Neatness of line plan – 2 marks
 Showing the symbol index table – 4 marks
- VI. Plan – 7.5 marks, Section – 7.5marks

