



UNIVERSITY OF EDUCATION, WINNEBA
INSTITUTE FOR TEACHER EDUCATION AND CONTINUING
PROFESSIONAL DEVELOPMENT (ITECPD)



END OF FIRST SEMESTER EXAMINATIONS, APRIL, 2024

LEVEL 200

COURSE CODE: JBH352

COURSE TITLE: BUILDING DRAWING

TIME ALLOWED: 2 HRS

STUDENT'S INDEX NUMBER:

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GENERAL INSTRUCTIONS:

- This paper is made up of ONE SECTION.
- The Section is made up of five essay type questions.
- Answer any THREE questions in your answer booklet.
- Each question carries equal marks. You are expected to start each question on a new page.
- You are expected to hand over your answer booklet to the invigilator before you leave the examination hall.

Instruction: Answer any three (3) questions in the answer booklet provided.

The diagram of figure 1 shows the sketch of a proposed workshop. Study the specifications carefully and answer the questions that follows;

SPECIFICATIONS

FOUNDATION: 450 x 225 (mm) cement strip at a depth of 900mm below the ground level

WALL: All walls are sancrete blocks 150mm thick

FLOOR: 150mm concrete slab with 25mm thick mortar screed

HARD CORE: - 450mm,

DOOR: D1 - 1600 x 2100 mm (Double Door)

D2 - 900 x 2100 mm (Single Door)

D3 - 700 x 2100 mm in 100 x 50 mm timber frame (Single Door)

WINDOW: W1 - 700 x 1500 mm (3-bay),

W2- 700 x 1500 mm (2-bay),

W3 & W4- 700 x 600 mm (2&1-bay) in 100 x 50 mm timber frame

LINTEL: 225 x 150mm reinforced concrete

ROOF: Gable roof, covering - corrugated aluminium sheet, pitch - 32°, eaves - 600mm, height from floor to ceiling - 3000mm.

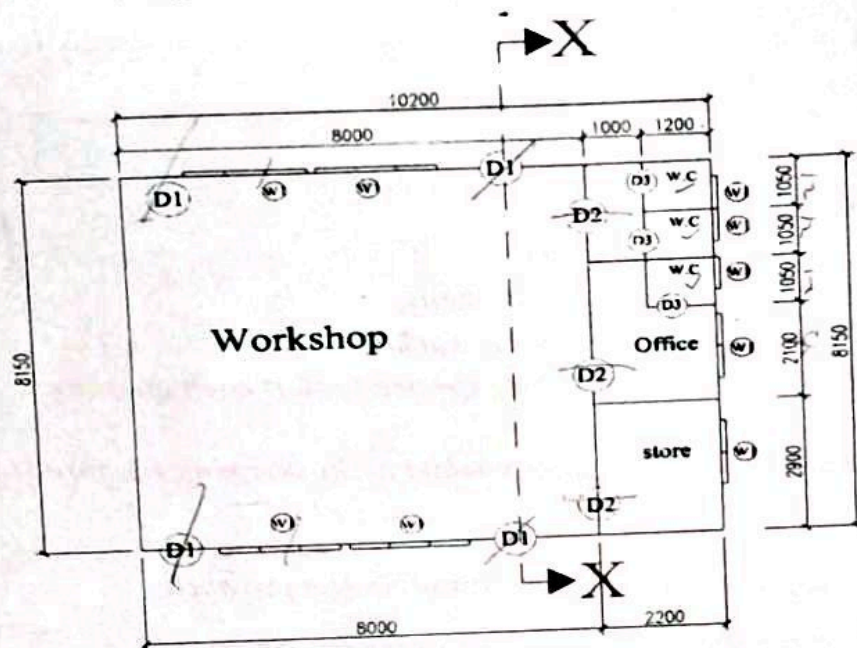


Fig 1 shows outline of a workshop All drawings are measured from outside -to- outside

- 1). Draw the **Ground Floor Plan** of the outline of the design in Fig. 1. (Compulsory)
- 2). Draw the section X-X up to lintel level to show the **Substructure** and **Super Structure**
- 3). Generate the **Front and Right-End Elevations**
- 4). Generate the **Rear and Left-End Elevations**
- 5). Generate **Front and End Elevations**

NB: use a scale of 1:50

