



QUESTION 4: CIVIL DRAWING

Given:

- A schematic floor plan and a schematic sectional elevation of the outer perimeter of a **proposed new artist workshop** to an existing building, detailing the position of the electrical and sanitary features.
- A door and window schedule.
- Incomplete sketches of the roof and foundation detail.
- An electrical legend.
- A west elevation on answer sheet 4.

Instructions:

- Use answer sheet 4 and the information given on page 5 to draw the required views.
- Draw, to scale 1:50, the complete floor plan and a complete sectional elevation on cutting plane AA to the given specifications.

SPECIFICATIONS:

THE FLOOR PLAN

Add the following features to the floor plan:

- ALL the walls with hatching detail
- The doors and window detail
- ONE wall mounted outside light
- TWO fluorescent lights inside the work shop controlled with a two-way switch
- A separate switch for the outside light
- One light inside the toilet
- A switch for the toilet light
- TWO switch socket outlets on the indicated walls
- The water closet (WC) and wash hand basin (WB) shown as conventions
- The cutting plane. Label the plane A-A
- Label the floor plan and include the scale.

A SECTIONAL ELEVATION

Add the following features to the sectional elevation:

- The complete foundation, wall, floor slab, screed and roof detail
- The complete detail of the doors and windows
- The sanitary fixtures shown as **conventions**
- ALL necessary hatching
- Label the sectional elevation:
SECTIONAL ELEVATION A-A

NOTE:

- Label ONLY the following features on the correct view: natural ground level and damp proof course
- ALL substructure hatching may be done in freehand
- ALL drawings must comply with the guidelines contained in the SABS 0143. [97]

TERMINOLOGY

Schematic diagram: a diagram that shows the main features or relationships but not the details.

LIGHTS	SWITCHES
OR	
OR	
2 x 60 W	

- KEY TO NUMBERED FEATURES ON PLAN**
1. ADD NEW WINDOWS
 2. ADD NEW DOORS
 3. HAND WASH BASIN
 4. WATER CLOSET PAN
 5. TWO WAY LIGHT SWITCH
 6. SOCKET OUTLET SWITCH
 7. 2 x 60 FLUORESCENT TUBES
 8. WALL MOUNTED OUTSIDE LIGHT
 9. LIGHT SWITCH
 10. LIGHT

