

ROOM DESIGNATIONS AND FLOOR FINISHING

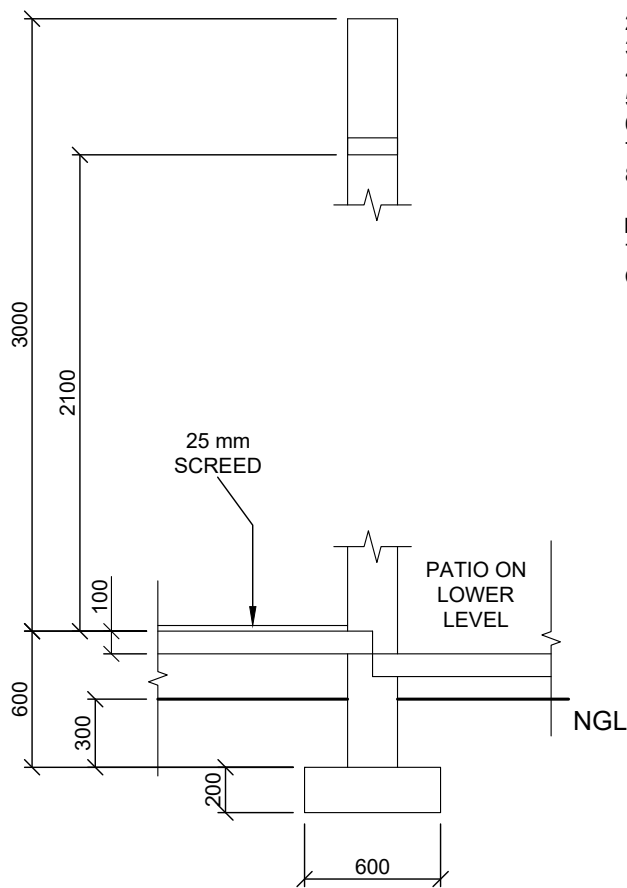
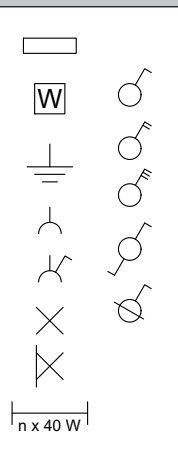
ROOM 1: BEDROOM	WOOD
ROOM 2: BATHROOM	TILES
ROOM 3: KITCHEN	TILES
ROOM 4: LOUNGE	WOOD
ROOM 5: PATIO	GRANO

ELECTRICAL FITTINGS

- ONE-WAY SWITCH - SINGLE POLE
- ONE-WAY SWITCH - DOUBLE POLE
- 2 x 40W - FLUORESCENT LIGHT
- CEILING LIGHT
- WALL-MOUNTED LIGHT
- SWITCH SOCKET OUTLET
- SOCKET OUTLET
- DISTRIBUTION BOARD

NOTE:
THE ARROW SHOWS THE LIGHT CONNECTION TO THE SWITCH.

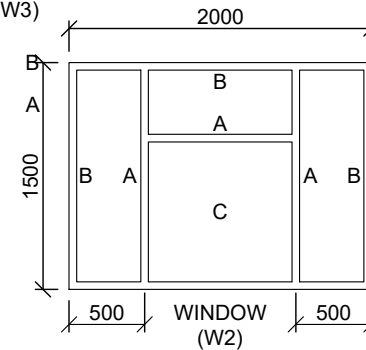
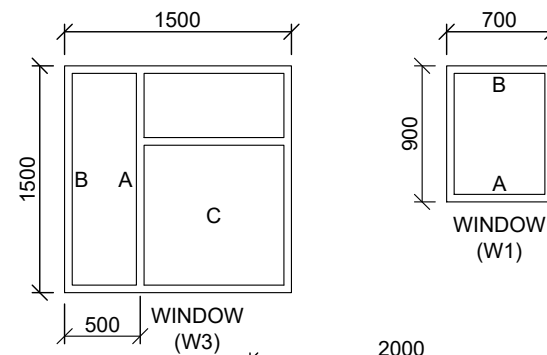
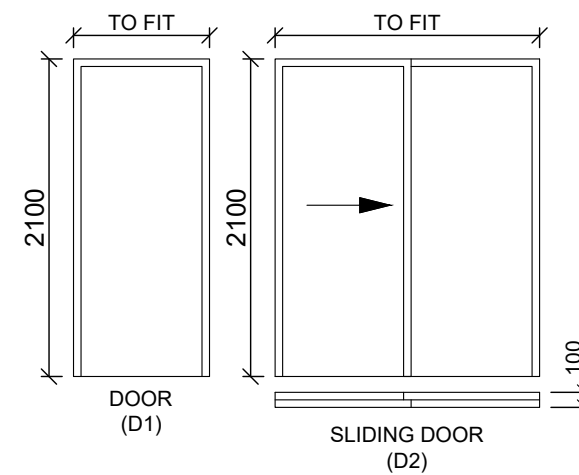
ELECTRICAL SYMBOLS



INCOMPLETE FOUNDATION AND EXTERNAL WALL DETAILED

LOAD BEARING WALLS = 200mm
NON LOAD BEARING WALLS = 110mm

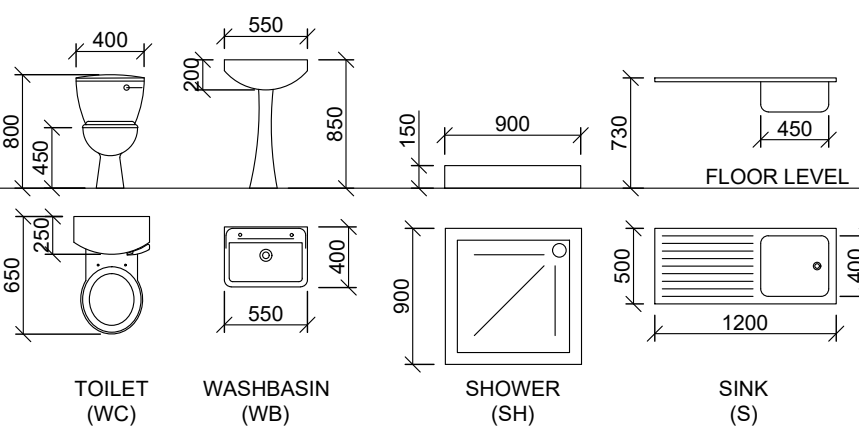
DOOR AND WINDOW SCHEDULE



DOOR AND WINDOW NOTES:

- A = OPENING SIDE
- B = HINGED SIDE
- C = FIXED PANEL
- 150 x 20 mm FIBRE CEMENT SILL (30°) UNDER ALL WINDOWS
- 200 x 75 mm LINTEL ABOVE ALL DOOR & WINDOW OPENINGS
- ALL LINTELS ARE AT THE SAME HEIGHT
- ALL FRAMES 50mm THICK

FIXTURES



QUESTION 4: CIVIL DRAWING

Given:

- The incomplete north elevation of a new house showing the walls, the sliding door and window openings, the roof and notes.
- The incomplete floor plan showing the walls, positions of the doors, windows, fixtures and the electrical layout.
- The incomplete detail of the foundation and walls.
- The rainwater down-pipe detail.
- Room designations and floor finishes.
- A table of electrical symbols.
- A door and window schedule.
- A table of roof components.
- A table of fixtures.
- The incomplete floor plan of the new house, drawn to scale 1 : 50 and the incomplete foundation and break line of the detailed section, drawn to scale 1 : 20.

Instructions:

Answer these questions as follow.

4.1 Using the given incomplete floor plan, draw, in first-angle orthographic projection and to a scale 1 : 50, the following views of the new house:

4.1.1 THE COMPLETE FLOOR PLAN.

Add the following features to the drawing:

- ALL doors and windows.
- ALL fixtures as indicated by abbreviations.
- ALL electrical fittings as indicated by the numbers.
- ALL hatching detail.

4.1.2 THE COMPLETE NORTH ELEVATION.

Show the following features on the drawing:

- The outside walls, door and window detail.
- The finished floor level.

4.2 Using the incomplete foundation and break line and draw, to scale 1:20, a **DETAILED SECTION VIEW** on cutting plane C-C of the area in the ellipse shown on the incomplete floor plan.

Show the following features on the drawing:

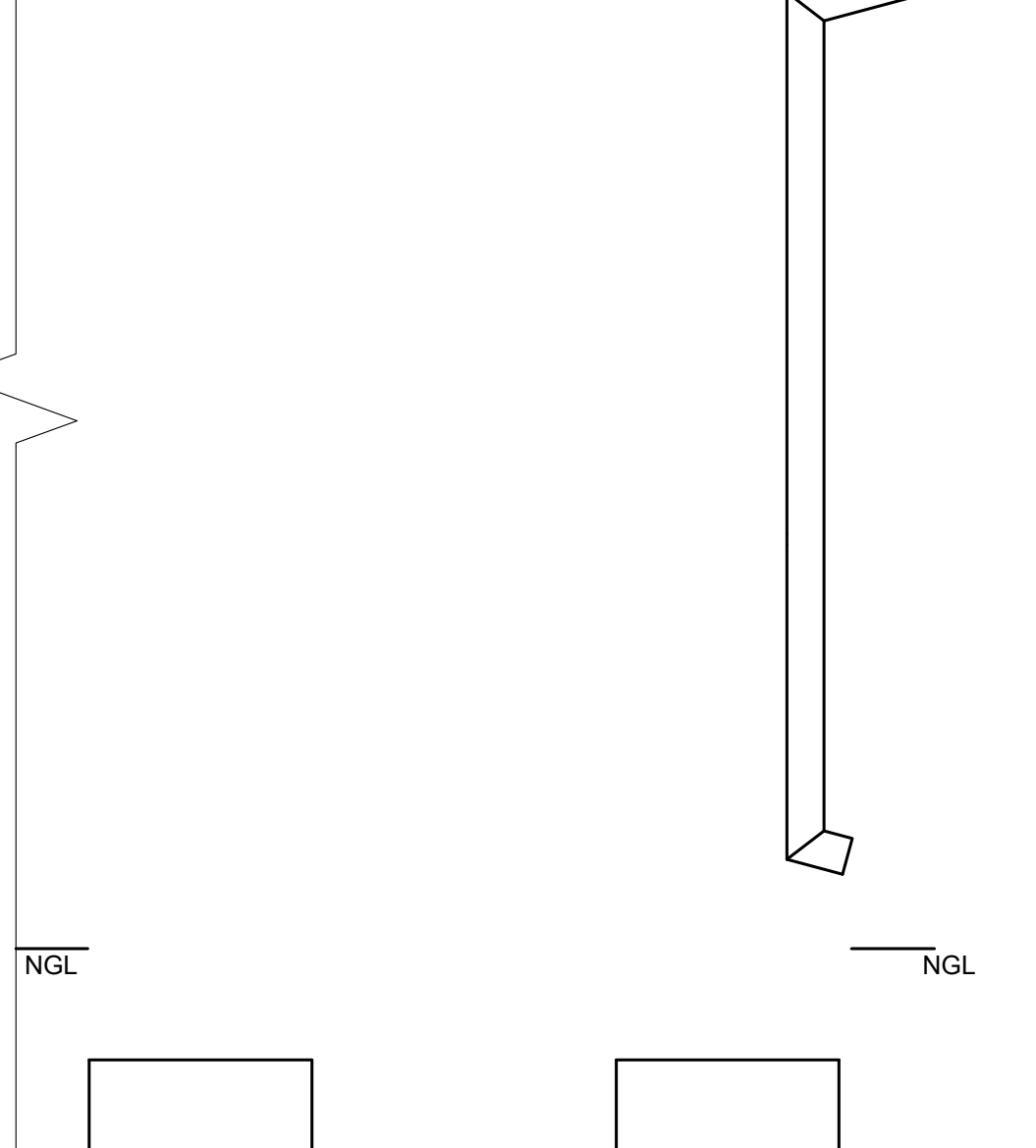
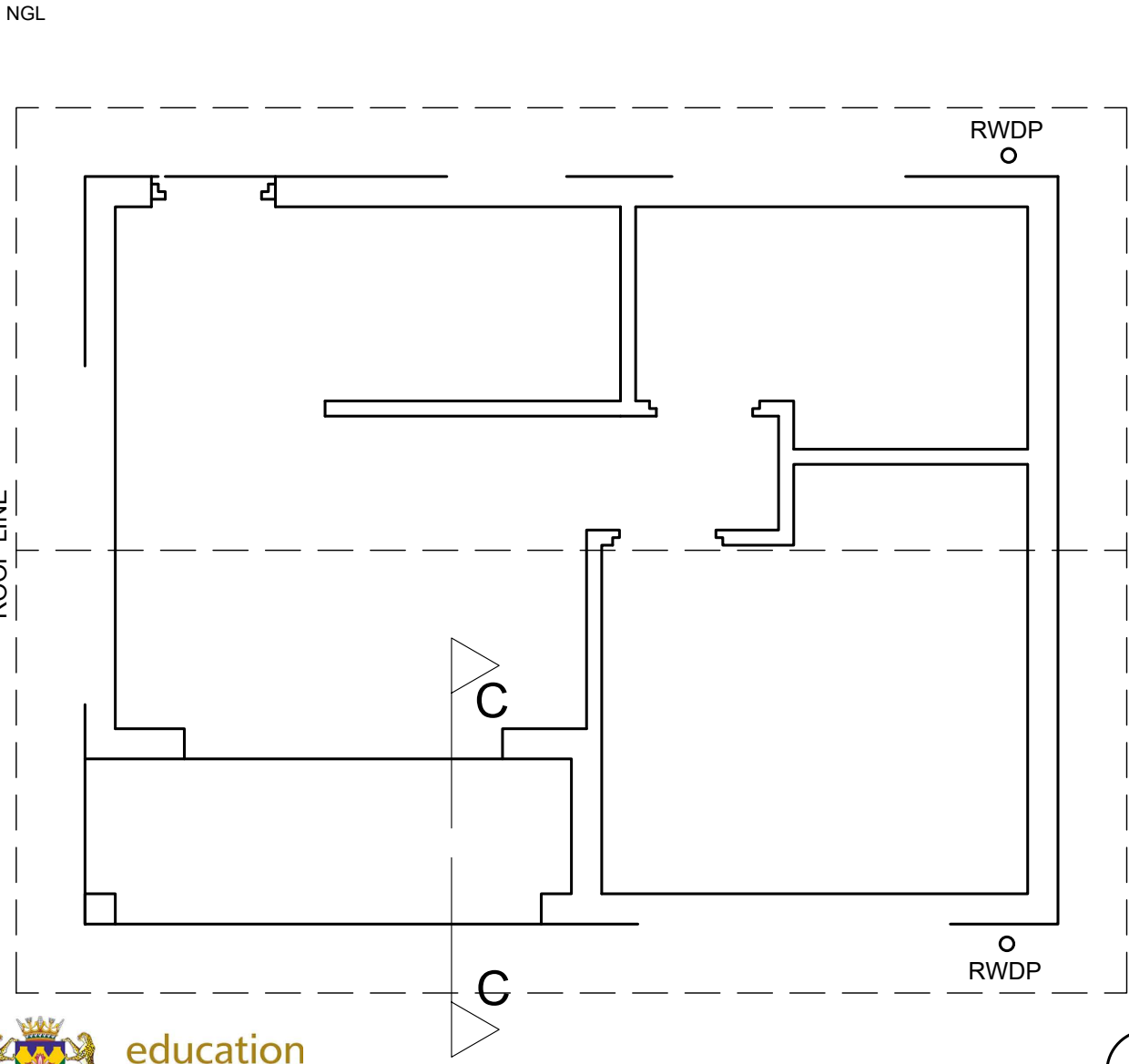
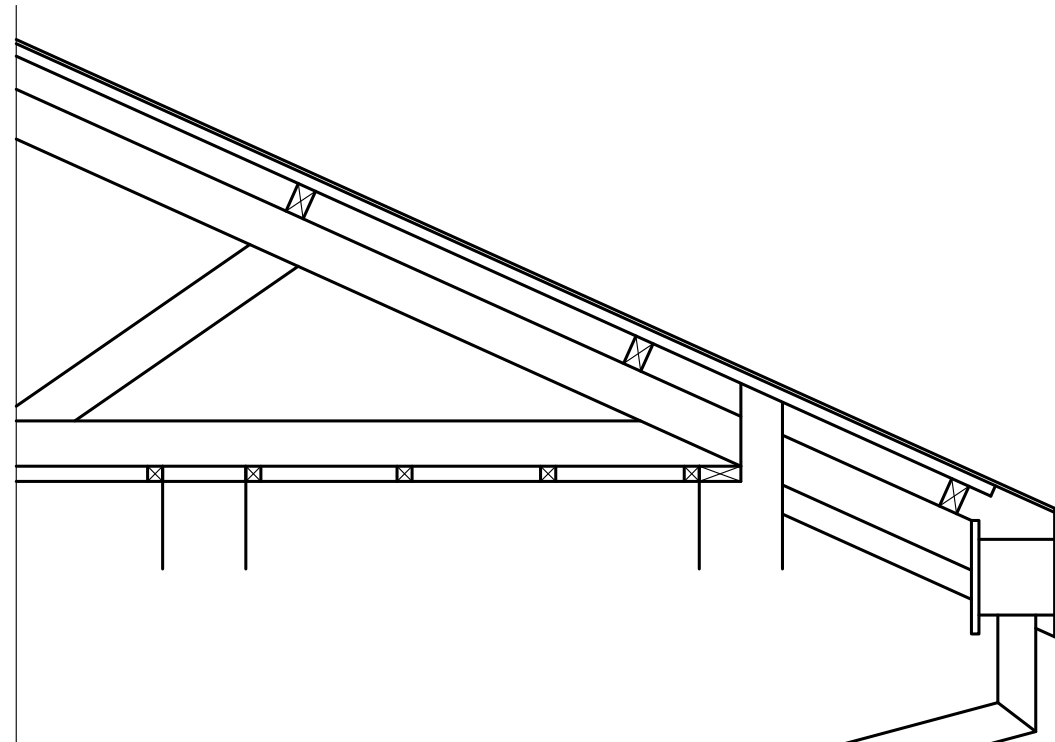
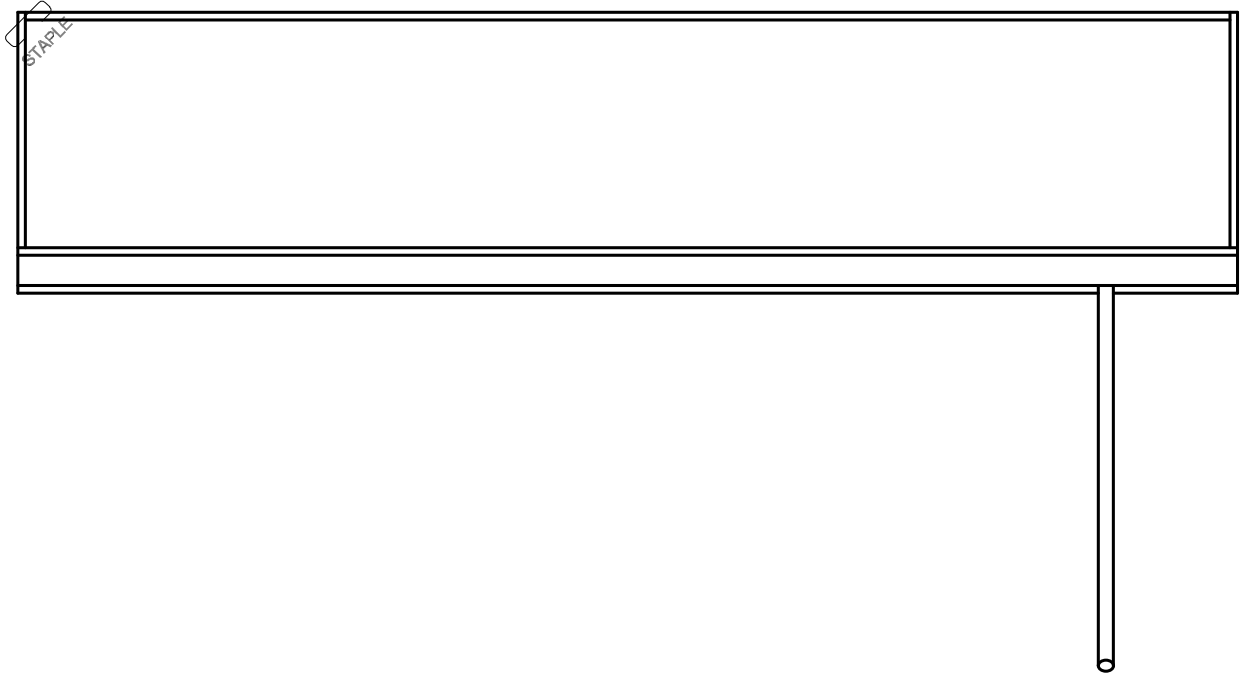
- The complete detail of the foundation and walls
- ALL hatching detail. ONLY the substructure hatching may be drawn in neat free hand.
- The door detail.

Label the following:

- The north elevation.
- The room designations and floor finishes.
- Ground level, finished floor level and damp-proof course (use the correct abbreviations and show them on ALL the relevant views).

NOTE:

- ALL drawings must comply with the guidelines and graphical symbols as contained in the SANS 10143. [75]



FOR OFFICIAL USE ONLY	
INCORRECT SCALE	-2
NON-ALIGNMENT OF VIEWS	-2
VIEW(S) ROTATED	-2
SECTION VIEWED INCORRECTLY	-2
INCORRECT LETTERING	-1
TOTAL	

ASSESSMENT CRITERIA			
FLOOR PLAN			
1	DOORS + WINDOWS	14	
2	FIXTURES	5	
3	ELECTRICAL	9	
4	HATCHING	4	
5	LABELS	6	
SUB TOTAL 1		38	
NORTH ELEVATION			
2	WALLS + FFL + STEP	4	
3	DOOR + WINDOW	13	
4	LABELS	1	
SUB TOTAL 2		18	
DETAILED SECTION			
2	FOUNDATION + WALL + SLAB + DOOR + LINTEL	9	
3	HATCHING	7	
4	LABELS	3	
SUB TOTAL 3		19	
TOTAL		75	
TOTAL PENALTIES (-)			
GRAND TOTAL			



CIVIL ELEVATION AND SECTION VIEW	ESTIMATED TIME FOR COMPLETION	40 MIN	GRADE	NAME & SURNAME	TASK	PAGE
	YOUR TIME OF COMPLETION	MIN	11			