higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

# MARKING GUIDELINE

## NATIONAL CERTIFICATE: MULTI-DISCIPLINARY DRAWING OFFICE PRACTICE

## BUILDING DRAUGHTING

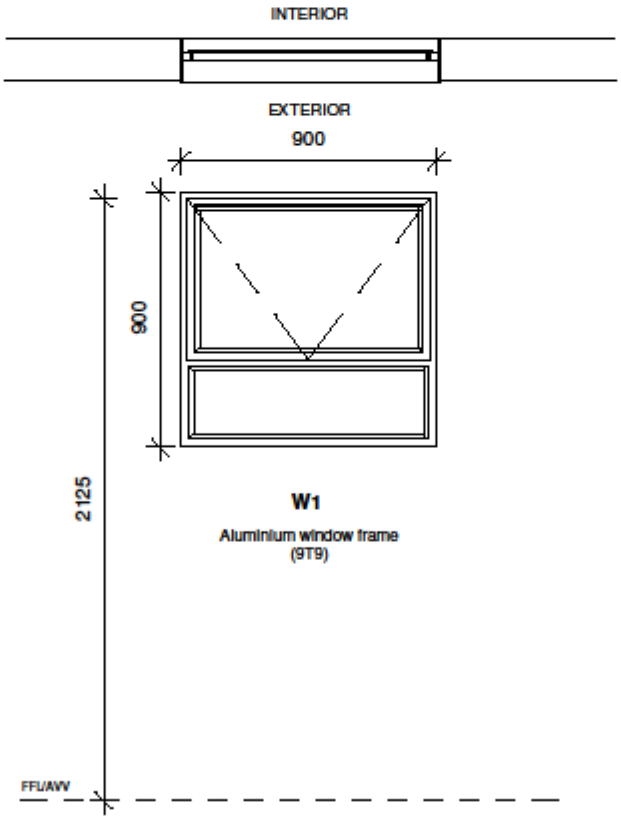
## 24 November 2023

**This marking guideline consists of 11 pages.**

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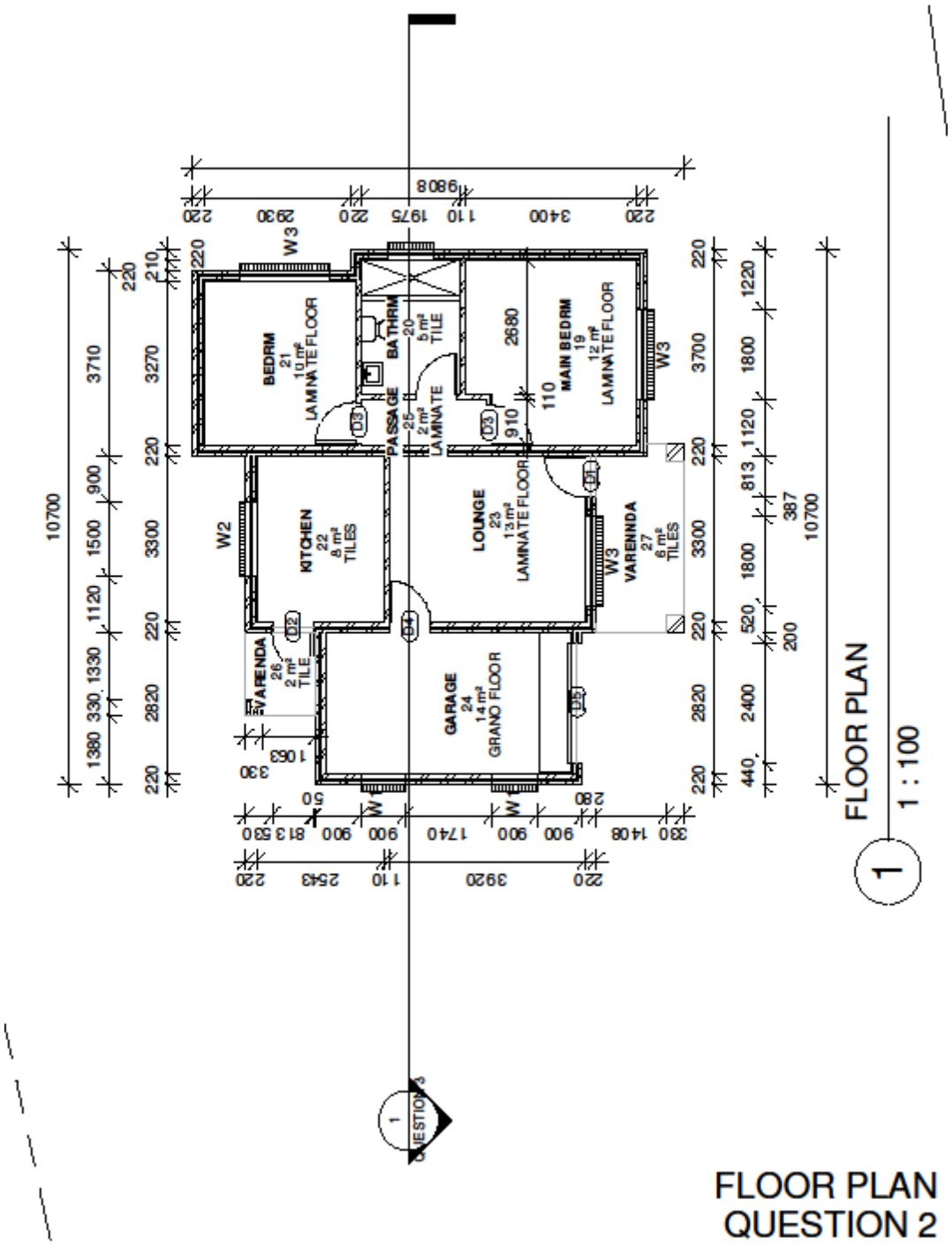
## QUESTION 1

| ABBREVIATION | MEANING |
|---|---|
| IE(i.e) | INSPECTION EYE |
| SVP(s.v.p.) | STAND VENT PIPE |
| G(HWC) | GEYSER(HOT WATER CYLINTER |
| WC | WATER CLOSET |
| MH | MAN HOLE |



## QUESTION 2

| | | |
|---|---|---|
| 2.1 | TWO bedrooms, kitchen, lounge, bathroom (with basin, bath, and shower), and a single garage (INFORMATION SHEET 1, attached) | (12) |
| 2.2 | Room names and floor finishes | (2) |
| 2.3 | All external, internal, and wall dimensions | (5) |
| 2.4 | Window and door symbols | (2) |
| 2.5 | Symbols for sanitary installations must be in accordance with the SABS Code of Practice for Building Drawing | (2) |
| 2.6 | Window codes (see DIAGRAM 2, attached) | (1) |
| 2.7 | Section arrows | (2) |
| 2.8 | Title and scale | (2) |
| 2.9 | True north | (2) |
| | | **[30]** |




FLOOR PLAN
QUESTION 2

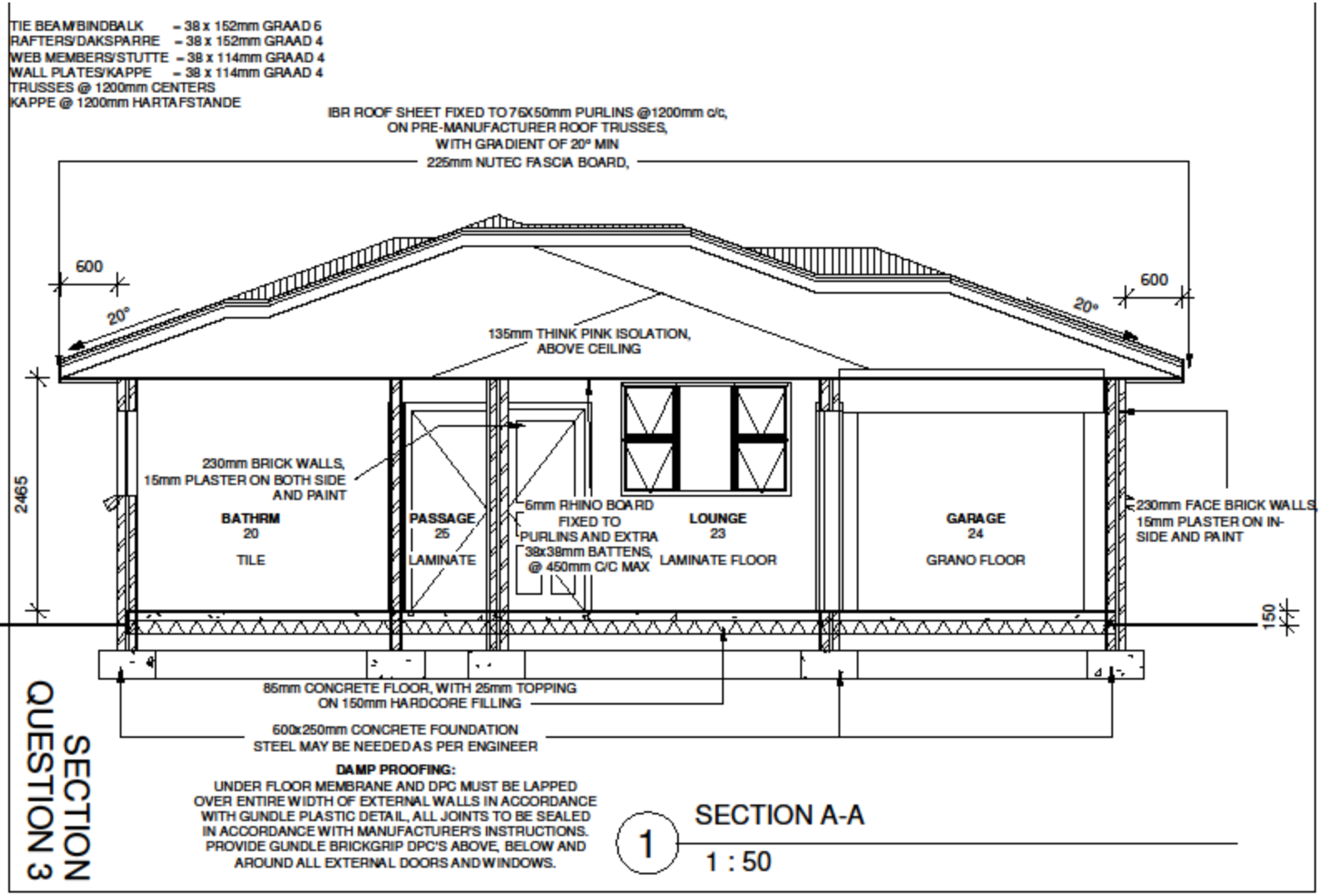
## QUESTION 3

Draw, to scale 1:50, a section named A-A through the middle of the dwelling. Indicate the following specifications:

| | | |
|---|---|---|
| 3.1 | The pitch, roof cover, and ceiling (INFORMATION DIAGRAM 1, attached) | (3) |
| 3.2 | Gutter on fascia | (2) |
| 3.3 | Roof covering (eaves projection) = 600 mm | (2) |
| 3.4 | Strip foundation (to include sizes) | (2) |
| 3.5 | Concrete slab | (2) |
| 3.6 | Damp-proof course (to include minimum height above finished ground level [FGL]) | (2) |
| 3.7 | Damp-proof membrane | (2) |
| 3.8 | Compacted fill | (2) |
| 3.9 | Screed | (2) |
| 3.10 | External and internal walls | (2) |
| 3.11 | Finished ground level and finished floor level | (2) |
| 3.12 | Add dimensions for the ceiling height, roof overhang, total height, and minimum damp-proof course distance from the ground level | (3) |
| 3.13 | Title and scale | (2) |
| | | **[28]** |

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## QUESTION 3



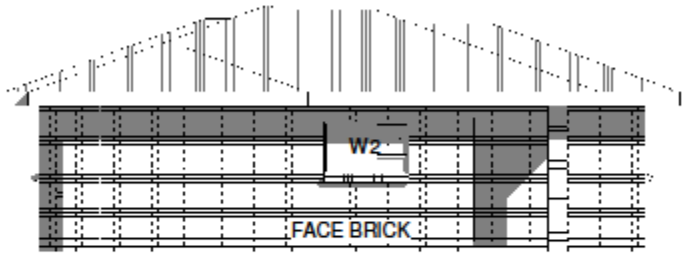

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## QUESTION 4

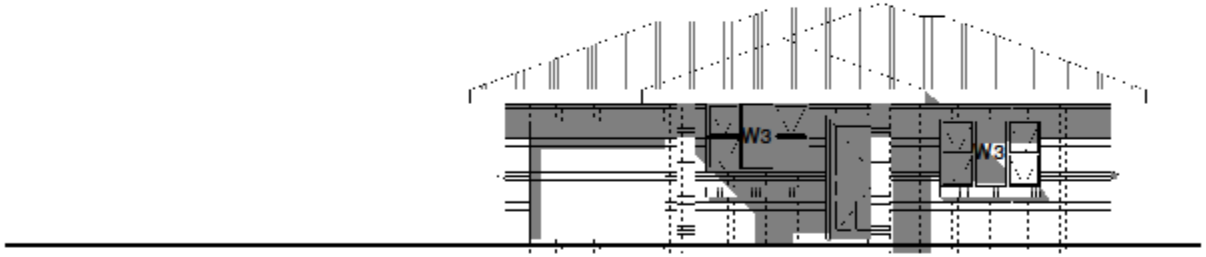
Draw, to scale 1:100, all the views (north, east, south, and west) of your design for the complete dwelling. Indicate the following on each elevation:

| | | |
|---|---|---|
| 4.1 | Wall finish (face brick with brick on edge window sill) | (6) |
| 4.2 | Window and door codes (see DIAGRAM 2, attached) | (4) |
| 4.3 | Title and scale | (2) |
| | | **[12]** |

ELEVATION
QUESTION 4.1



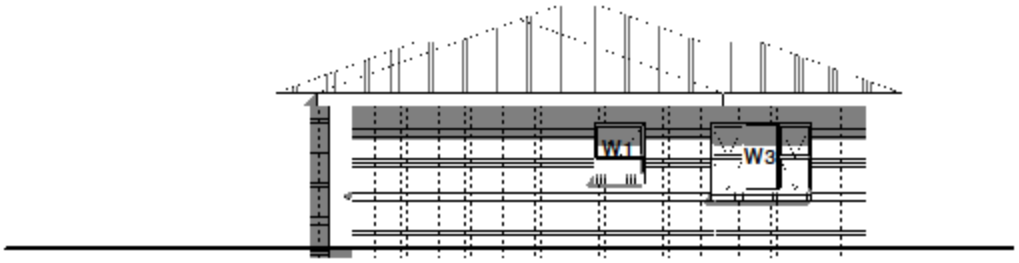

1 SOUTH
1 : 100



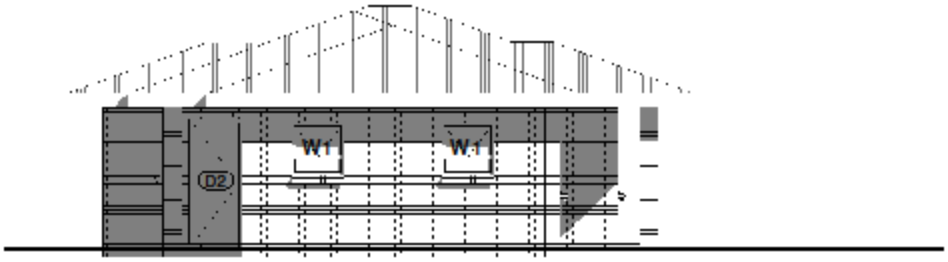

2 NORTH
1 : 100

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Please turn over




1 WEST
1 : 100




2 EAST
1 : 100

ELEVATION
QUESTION 4.2

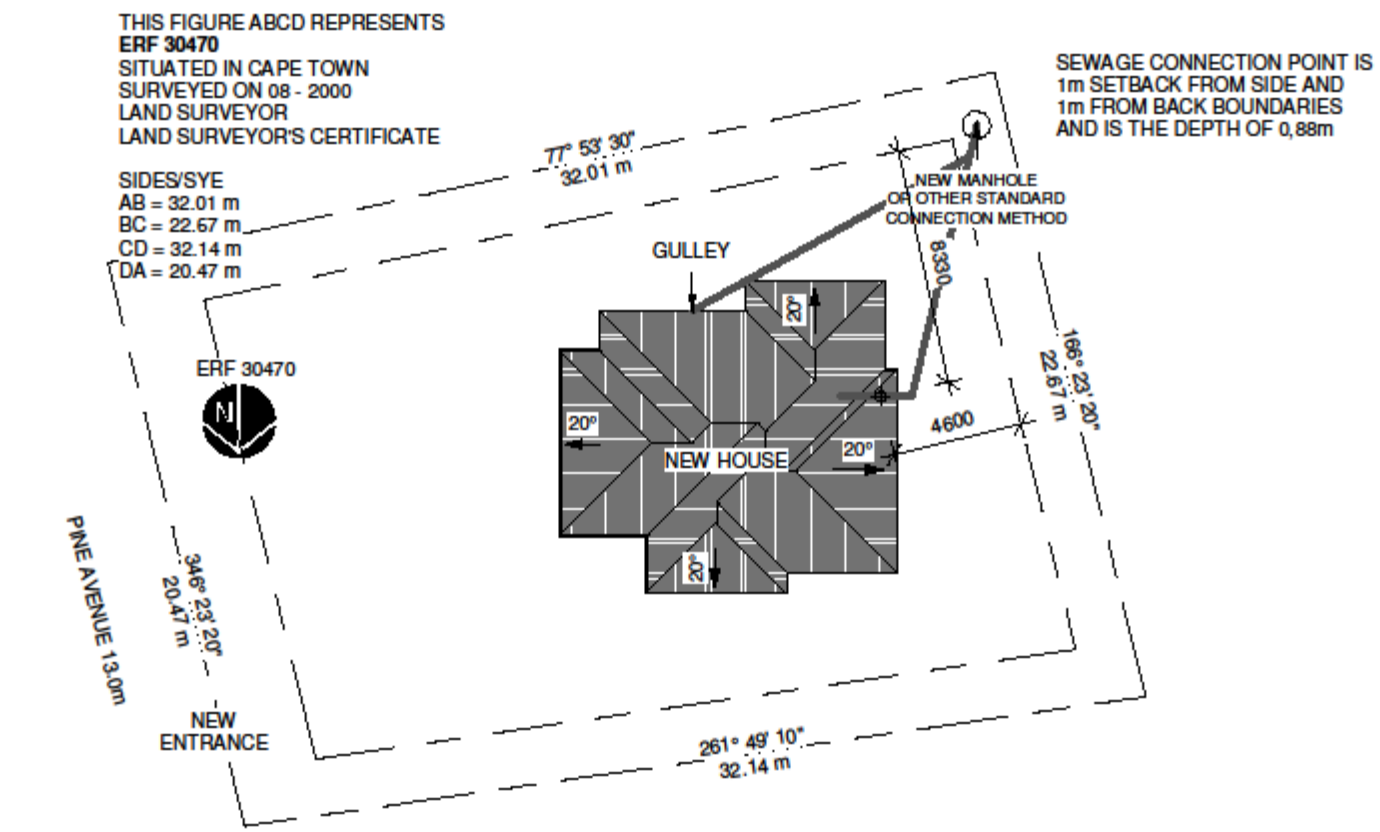
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**QUESTION 5**

| | | |
|---|---|---|
| 5.1 | The boundary lines and pegs | (2) |
| 5.2 | The position of the driveway (carriage-way crossing) | (2) |
| 5.3 | The building lines | (2) |
| 5.4 | The complete dwelling and double garage in the correct position (show the roof as seen from the top) | (2) |
| 5.5 | The drainage system | (2) |
| 5.6 | The direction of true north | (2) |
| 5.7 | Title and scale | (2) |
| 5.8 | The name of the street | (1) |
| | | **[15]** |

**TOTAL: 100**

SITE PLAN
QUESTION 5




1 SITE PLAN
1 : 200

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