



**higher education  
& training**

Department:  
Higher Education and Training  
**REPUBLIC OF SOUTH AFRICA**

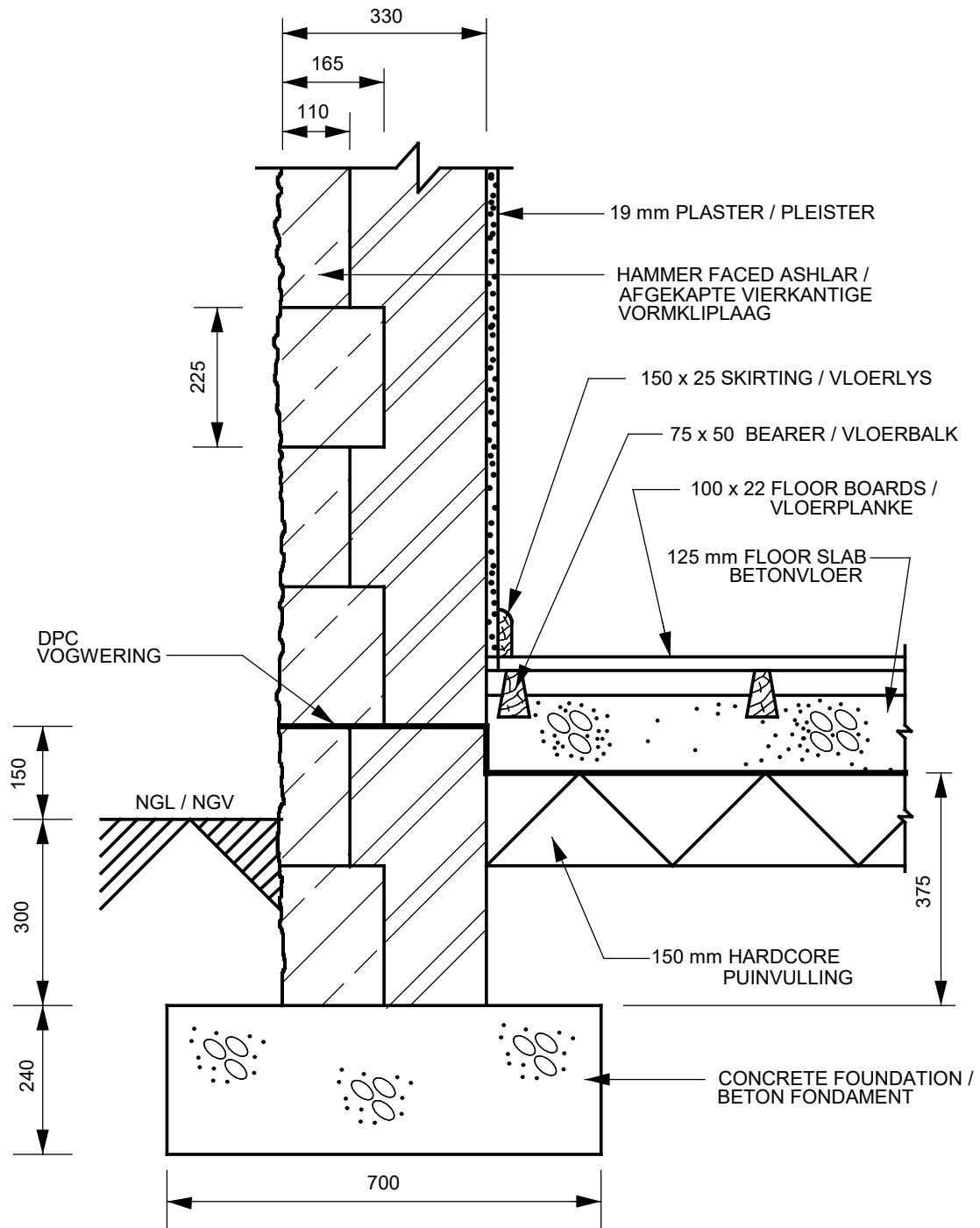
# **MARKING GUIDELINE**

**NATIONAL CERTIFICATE**

**BUILDING DRAWING N3**

**20 MARCH 2018**

**This marking guideline consists of 19 pages.**

**QUESTION 1: STONE DRESSING**

**VERTICAL SECTION THROUGH A STONE-FACED WALL**  
**SCALE 1 : 10**

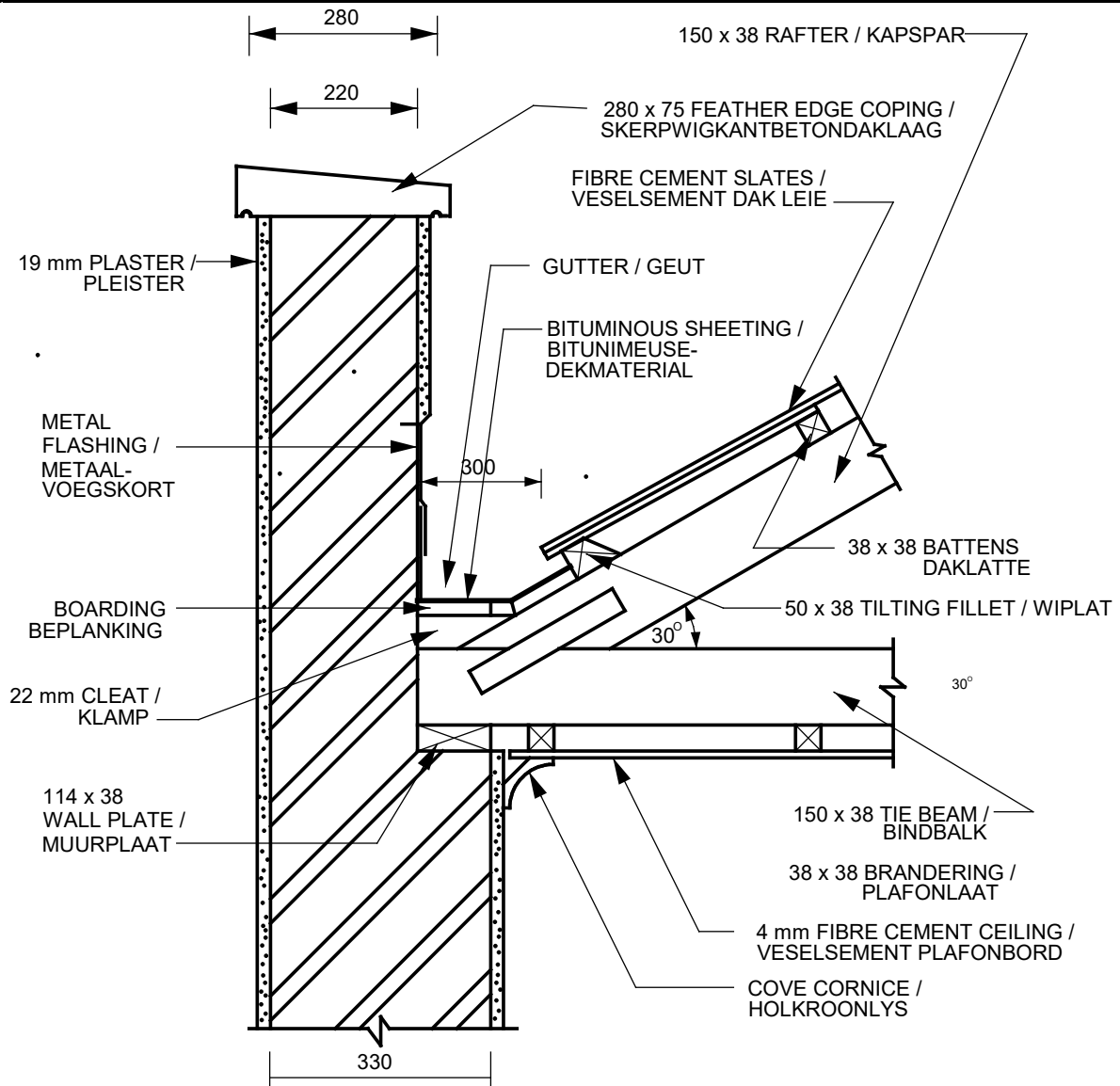
| QUESTION 1: RUBRIC                               |                  |               |            |
|--------------------------------------------------|------------------|---------------|------------|
| PART OF DRAWING                                  | MARKING CRITERIA | POSSIBLE MARK | REMARKS    |
| Foundation and hard core                         | Correct position | 2             |            |
|                                                  | Dimensioning     | 2             |            |
|                                                  | Labelling        | 2             |            |
|                                                  | Hatching         | 2             |            |
| Concrete slab, bearer, floor boards and skirting | Correct position | 4             |            |
|                                                  | Dimensioning     | 4             |            |
|                                                  | Labelling        | 4             |            |
|                                                  | Hatching         | 4             |            |
| Bricks, ashlar and plaster                       | Correct position | 3             |            |
|                                                  | Dimensioning     | 3             |            |
|                                                  | Labelling        | 3             |            |
|                                                  | Hatching         | 3             |            |
| Damp-proof course                                | Correct position | 1             |            |
|                                                  | Dimensioning     |               |            |
|                                                  | Labelling        | 1             |            |
|                                                  | Hatching         |               |            |
| Ground level                                     | Correct position | 1             |            |
|                                                  | Dimensioning     | 1             | Regulation |
|                                                  | Labelling        | 1             |            |
|                                                  | Hatching         | 1             |            |
|                                                  | <b>Subtotal</b>  | 42            |            |
|                                                  | <b>Divide by</b> | 4,2           |            |
| <b>Overall correctness</b>                       |                  | <b>10</b>     |            |
| <b>Line work</b>                                 |                  | <b>3</b>      |            |
| <b>Accuracy</b>                                  |                  | <b>4</b>      |            |
| <b>Balanced layout and neatness</b>              |                  | <b>3</b>      |            |
| <b>TOTAL</b>                                     |                  | <b>20</b>     |            |

NOTE: NO marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect.

### SUMMARY QUESTION 1

| Marking criteria                    | Possible mark | Marker | Internal moderator | External moderator |
|-------------------------------------|---------------|--------|--------------------|--------------------|
| Correct position                    | 11            |        |                    |                    |
| Dimensions                          | 11            |        |                    |                    |
| Labels                              | 10            |        |                    |                    |
| Hatching                            | 10            |        |                    |                    |
|                                     |               |        |                    |                    |
| <b>Subtotal</b>                     | <b>42</b>     |        |                    |                    |
| <b>Divide by</b>                    | <b>4,2</b>    |        |                    |                    |
| <b>Overall correctness</b>          | <b>10</b>     |        |                    |                    |
| <b>Line work</b>                    | <b>3</b>      |        |                    |                    |
| <b>Accuracy</b>                     | <b>4</b>      |        |                    |                    |
| <b>Balanced layout and neatness</b> | <b>3</b>      |        |                    |                    |
| <b>TOTAL</b>                        | <b>20</b>     |        |                    |                    |

**QUESTION 2: ROOF WITH PARAPET GUTTER**

**VERTICAL SECTION THROUGH A PARAPET GUTTER**  
**SCALE 1 : 10**

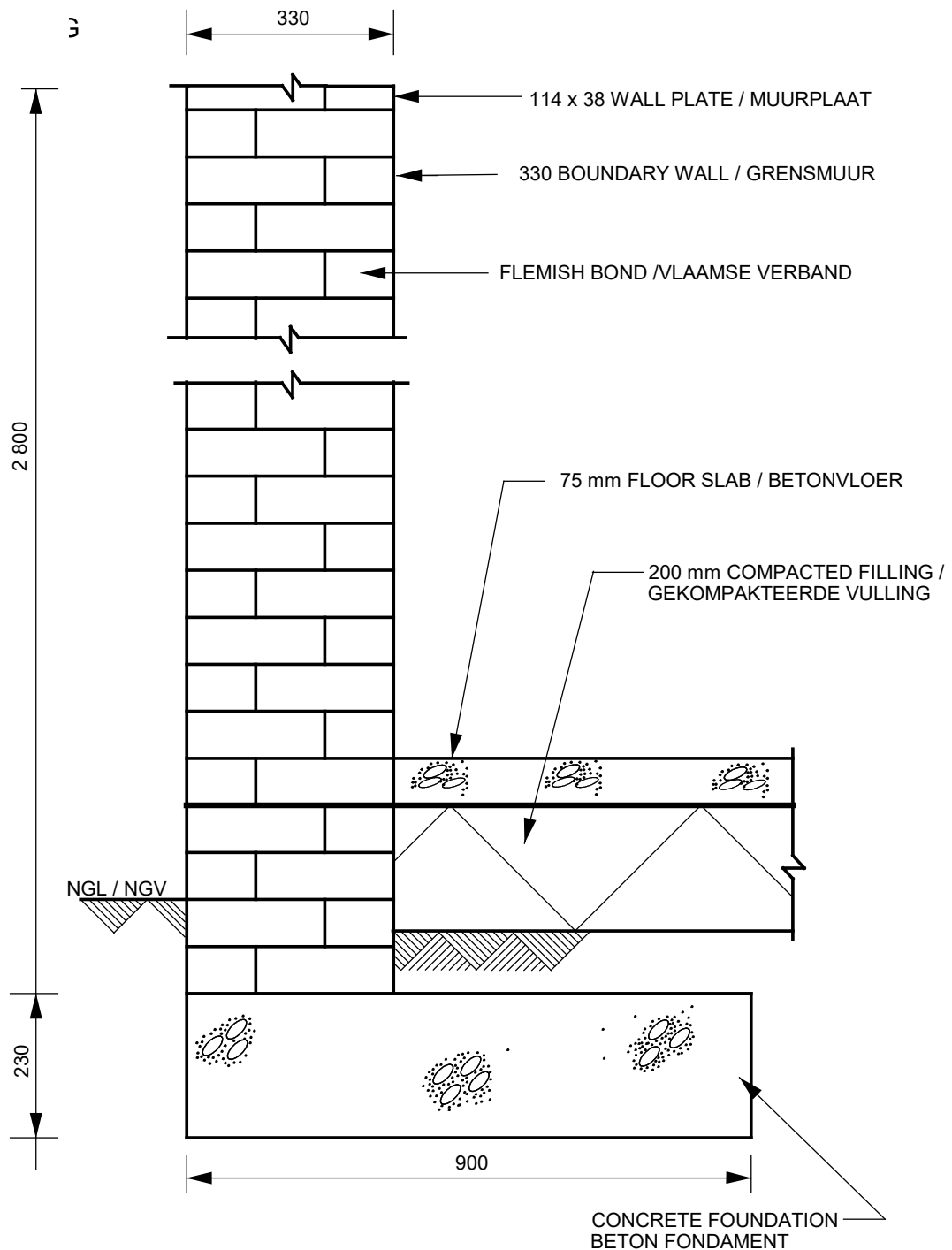
| QUESTION 2: RUBRIC                                    |                  |               |                     |
|-------------------------------------------------------|------------------|---------------|---------------------|
| PART OF DRAWING                                       | MARKING CRITERIA | POSSIBLE MARK | REMARKS             |
| Pitch, rafter, tie beam and wall plate                | Correct position | 4             |                     |
|                                                       | Dimensioning     | 4             |                     |
|                                                       | Labelling        | 4             |                     |
|                                                       | Hatching         | 1             | Wall plate          |
| Slates, battens and tilting fillet                    | Correct position | 3             |                     |
|                                                       | Dimensioning     | 3             |                     |
|                                                       | Labelling        | 3             |                     |
|                                                       | Hatching         | 1             | Battens             |
| Gutter, boarding, lining, boarding cleat and flashing | Correct position | 6             |                     |
|                                                       | Dimensioning     | 2             | Gutter and boarding |
|                                                       | Labelling        | 6             |                     |
|                                                       | Hatching         |               |                     |
| Branding, ceiling board and cornice                   | Correct position | 3             |                     |
|                                                       | Dimensioning     | 3             |                     |
|                                                       | Labelling        | 3             |                     |
|                                                       | Hatching         | 1             | Branding            |
| Wall, plaster and coping                              | Correct position | 3             |                     |
|                                                       | Dimensioning     | 3             |                     |
|                                                       | Labelling        | 3             |                     |
|                                                       | Hatching         | 2             | Plaster and wall    |
|                                                       | <b>Subtotal</b>  | 58            |                     |
|                                                       | <b>Divide by</b> | 5,8           |                     |
| <b>Overall correctness</b>                            |                  | <b>10</b>     |                     |
| <b>Line work</b>                                      |                  | <b>3</b>      |                     |
| <b>Accuracy</b>                                       |                  | <b>4</b>      |                     |
| <b>Balanced layout and neatness</b>                   |                  | <b>3</b>      |                     |
| <b>TOTAL</b>                                          |                  | <b>20</b>     |                     |

NOTE: NO marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect.

## SUMMARY QUESTION 2

| Marking criteria                    | Possible mark | Marker | Internal moderator | External moderator |
|-------------------------------------|---------------|--------|--------------------|--------------------|
| Correct position                    | 19            |        |                    |                    |
| Dimensions                          | 15            |        |                    |                    |
| Labels                              | 19            |        |                    |                    |
| Hatching                            | 5             |        |                    |                    |
|                                     |               |        |                    |                    |
| <b>Subtotal</b>                     | <b>58</b>     |        |                    |                    |
| <b>Divide by</b>                    | <b>5,8</b>    |        |                    |                    |
| <b>Overall correctness</b>          | <b>10</b>     |        |                    |                    |
| <b>Line work</b>                    | <b>3</b>      |        |                    |                    |
| <b>Accuracy</b>                     | <b>4</b>      |        |                    |                    |
| <b>Balanced layout and neatness</b> | <b>3</b>      |        |                    |                    |
| <b>TOTAL</b>                        | <b>20</b>     |        |                    |                    |

**QUESTION 3: BRICKWORK – BONDING OF WALLS**

**VERTICAL SECTION THROUGH BOUNDARY BUILT IN FLEMISH BOND**  
**SCALE 1 : 10**

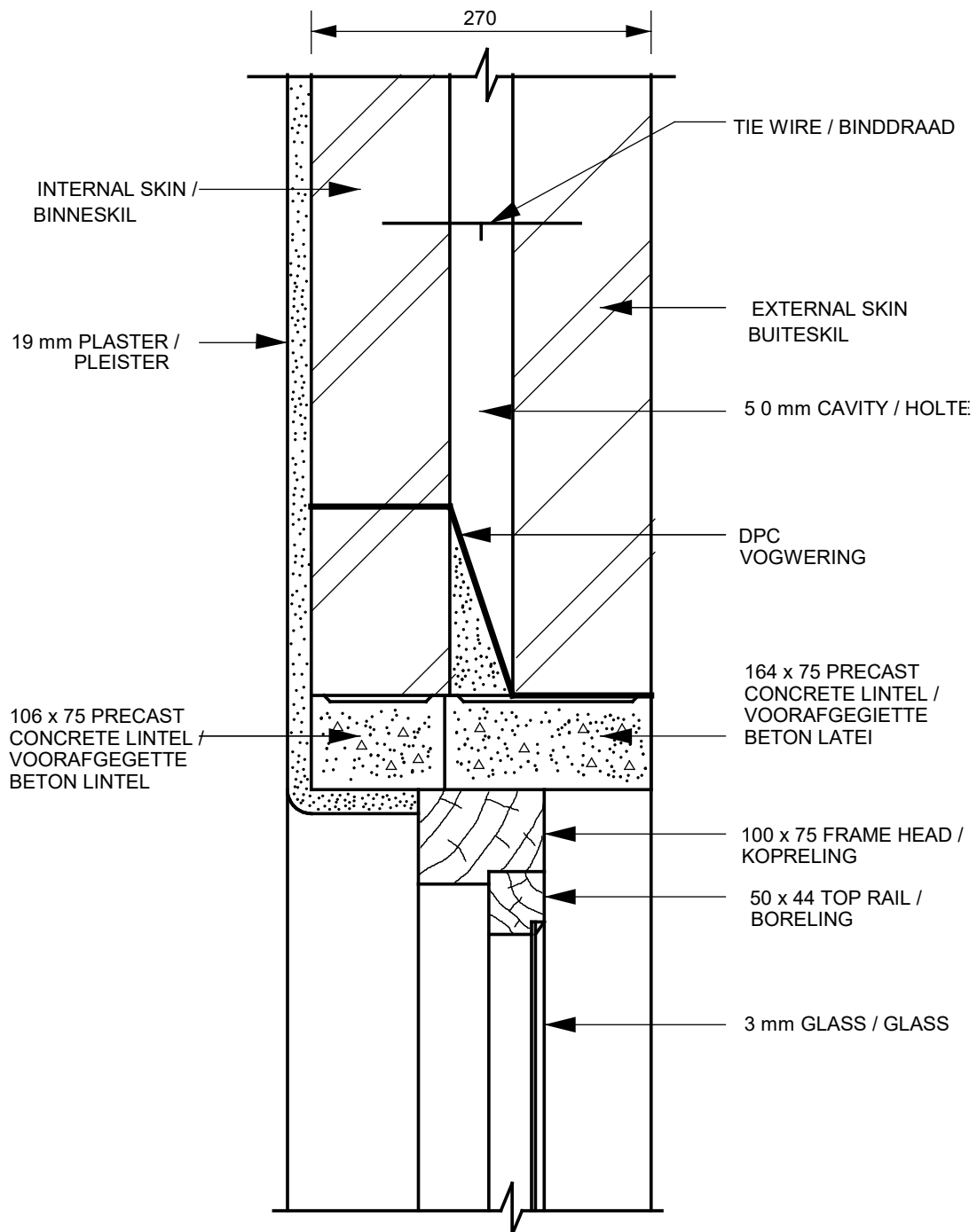
| QUESTION 3: RUBRIC                  |                  |               |         |
|-------------------------------------|------------------|---------------|---------|
| PART OF DRAWING                     | MARKING CRITERIA | POSSIBLE MARK | REMARKS |
| Foundation                          | Correct position | 1             |         |
|                                     | Dimensioning     | 1             |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         | 1             |         |
| Compact filling and ground level    | Correct position | 2             |         |
|                                     | Dimensioning     |               |         |
|                                     | Labelling        | 2             |         |
|                                     | Hatching         | 2             |         |
| Concrete slab and DPC               | Correct position | 2             |         |
|                                     | Dimensioning     | 2             |         |
|                                     | Labelling        | 2             |         |
|                                     | Hatching         | 1             | Slab    |
| Wall, plaster and wall plate        | Correct position | 3             |         |
|                                     | Dimensioning     | 3             |         |
|                                     | Labelling        | 3             |         |
|                                     | Hatching         | 3             |         |
| Bonding                             | Correct bond     | 4             |         |
|                                     | Dimensioning     |               |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         |               |         |
|                                     |                  |               |         |
|                                     | <b>Subtotal</b>  | 34            |         |
|                                     | <b>Divide by</b> | 4,25          |         |
| <b>Overall correctness</b>          |                  | <b>8</b>      |         |
| <b>Line work</b>                    |                  | <b>2</b>      |         |
| <b>Accuracy</b>                     |                  | <b>3</b>      |         |
| <b>Balanced layout and neatness</b> |                  | <b>2</b>      |         |
| <b>TOTAL</b>                        |                  | <b>15</b>     |         |

NOTE: NO marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect.

### SUMMARY QUESTION 3

| Marking criteria                    | Possible mark | Marker | Internal moderator | External moderator |
|-------------------------------------|---------------|--------|--------------------|--------------------|
| Correct position                    | 8             |        |                    |                    |
| Dimensions                          | 6             |        |                    |                    |
| Labels                              | 9             |        |                    |                    |
| Hatching                            | 6             |        |                    |                    |
| Bonding                             | 5             |        |                    |                    |
|                                     |               |        |                    |                    |
| <b>Subtotal</b>                     | <b>34</b>     |        |                    |                    |
| <b>Divide by</b>                    | <b>4,25</b>   |        |                    |                    |
| <b>Overall correctness</b>          | <b>8</b>      |        |                    |                    |
| <b>Line work</b>                    | <b>2</b>      |        |                    |                    |
| <b>Accuracy</b>                     | <b>3</b>      |        |                    |                    |
| <b>Balanced layout and Neatness</b> | <b>2</b>      |        |                    |                    |
| <b>TOTAL</b>                        | <b>15</b>     |        |                    |                    |

**QUESTION 4: FINISHING AT OPENINGS – HEAD OF CASEMENT WINDOW**

**VERTICAL SECTION THROUGH THE TOP OF FRAME AND PRECAST CONCRETE LINTEL**  
**SCALE 1 : 5**

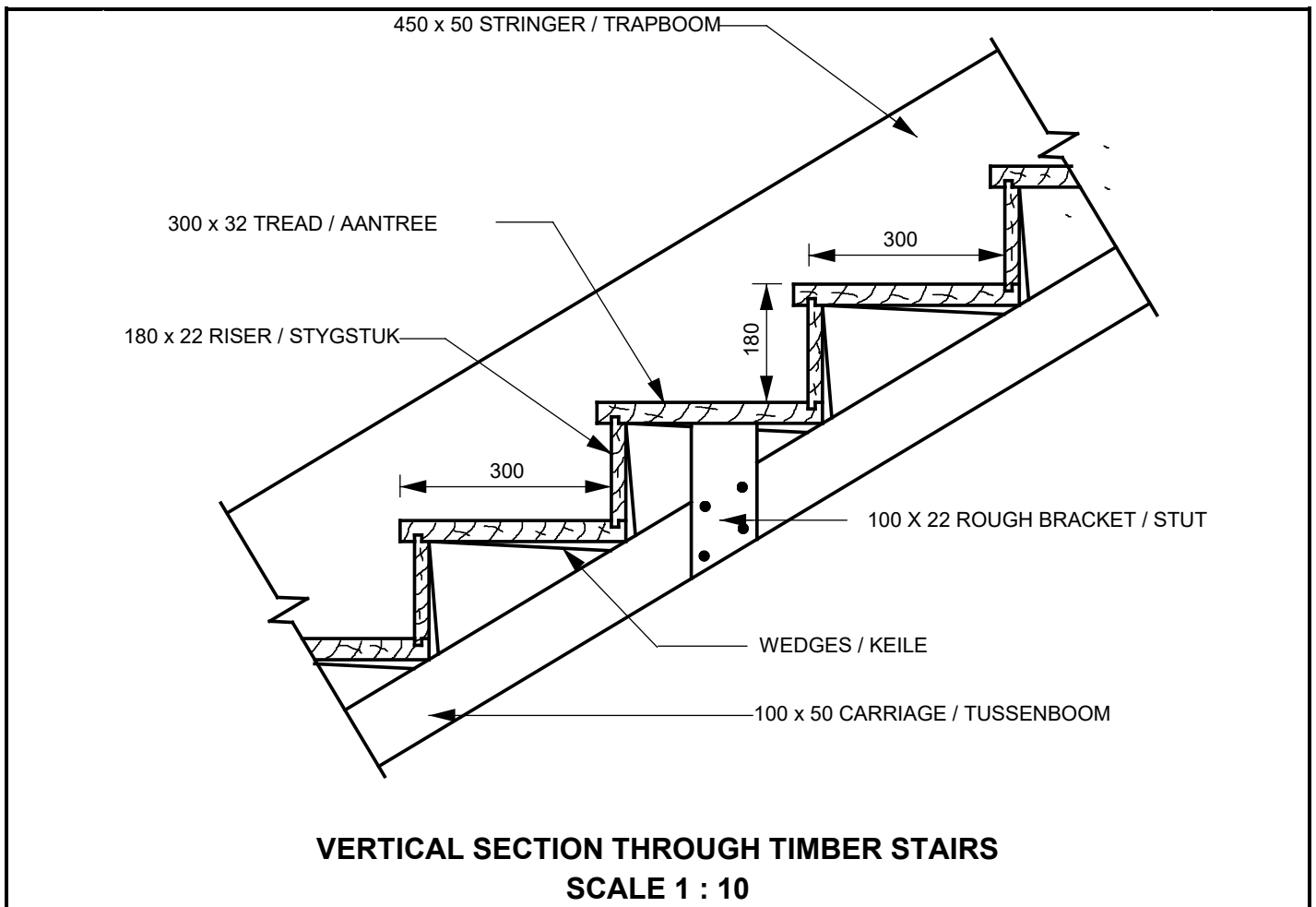
| QUESTION 4: RUBRIC                  |                  |               |            |
|-------------------------------------|------------------|---------------|------------|
| PART OF DRAWING                     | MARKING CRITERIA | POSSIBLE MARK | REMARKS    |
| Wall and plaster                    | Correct position | 3             |            |
|                                     | Dimensioning     | 3             |            |
|                                     | Labelling        | 3             |            |
|                                     | Hatching         | 3             | Both skins |
| Concrete lintels                    | Correct position | 4             |            |
|                                     | Dimensioning     | 2             |            |
|                                     | Labelling        | 2             |            |
|                                     | Hatching         | 2             |            |
| DPC and tie wires                   | Correct position | 4             |            |
|                                     | Dimensioning     | 2             |            |
|                                     | Labelling        | 2             |            |
|                                     | Hatching         |               |            |
| Head of frame and top rail          | Correct position | 4             |            |
|                                     | Dimensioning     | 2             |            |
|                                     | Labelling        | 2             |            |
|                                     | Hatching         | 2             |            |
| Glass                               | Correct position | 1             |            |
|                                     | Dimensioning     | 1             |            |
|                                     | Labelling        | 1             |            |
|                                     | Hatching         | 1             |            |
|                                     |                  |               |            |
|                                     | <b>Subtotal</b>  | 44            |            |
|                                     | <b>Divide by</b> | 4,4           |            |
| <b>Overall correctness</b>          |                  | <b>10</b>     |            |
| <b>Line work</b>                    |                  | <b>3</b>      |            |
| <b>Accuracy</b>                     |                  | <b>4</b>      |            |
| <b>Balanced layout and neatness</b> |                  | <b>3</b>      |            |
| <b>TOTAL</b>                        |                  | <b>20</b>     |            |

NOTE: NO marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect.

#### SUMMARY QUESTION 4

| Marking criteria                    | Possible mark | Marker | Internal moderator | External moderator |
|-------------------------------------|---------------|--------|--------------------|--------------------|
| Correct position                    | 16            |        |                    |                    |
| Dimensions                          | 10            |        |                    |                    |
| Labels                              | 10            |        |                    |                    |
| Hatching                            | 8             |        |                    |                    |
|                                     |               |        |                    |                    |
| <b>Subtotal</b>                     | <b>44</b>     |        |                    |                    |
| <b>Divide by</b>                    | <b>4,4</b>    |        |                    |                    |
| <b>Overall correctness</b>          | <b>10</b>     |        |                    |                    |
| <b>Line work</b>                    | <b>3</b>      |        |                    |                    |
| <b>Accuracy</b>                     | <b>4</b>      |        |                    |                    |
| <b>Balanced layout and neatness</b> | <b>3</b>      |        |                    |                    |
| <b>TOTAL</b>                        | <b>20</b>     |        |                    |                    |

**QUESTION 5: JOINERY – WOODEN STAIRS**

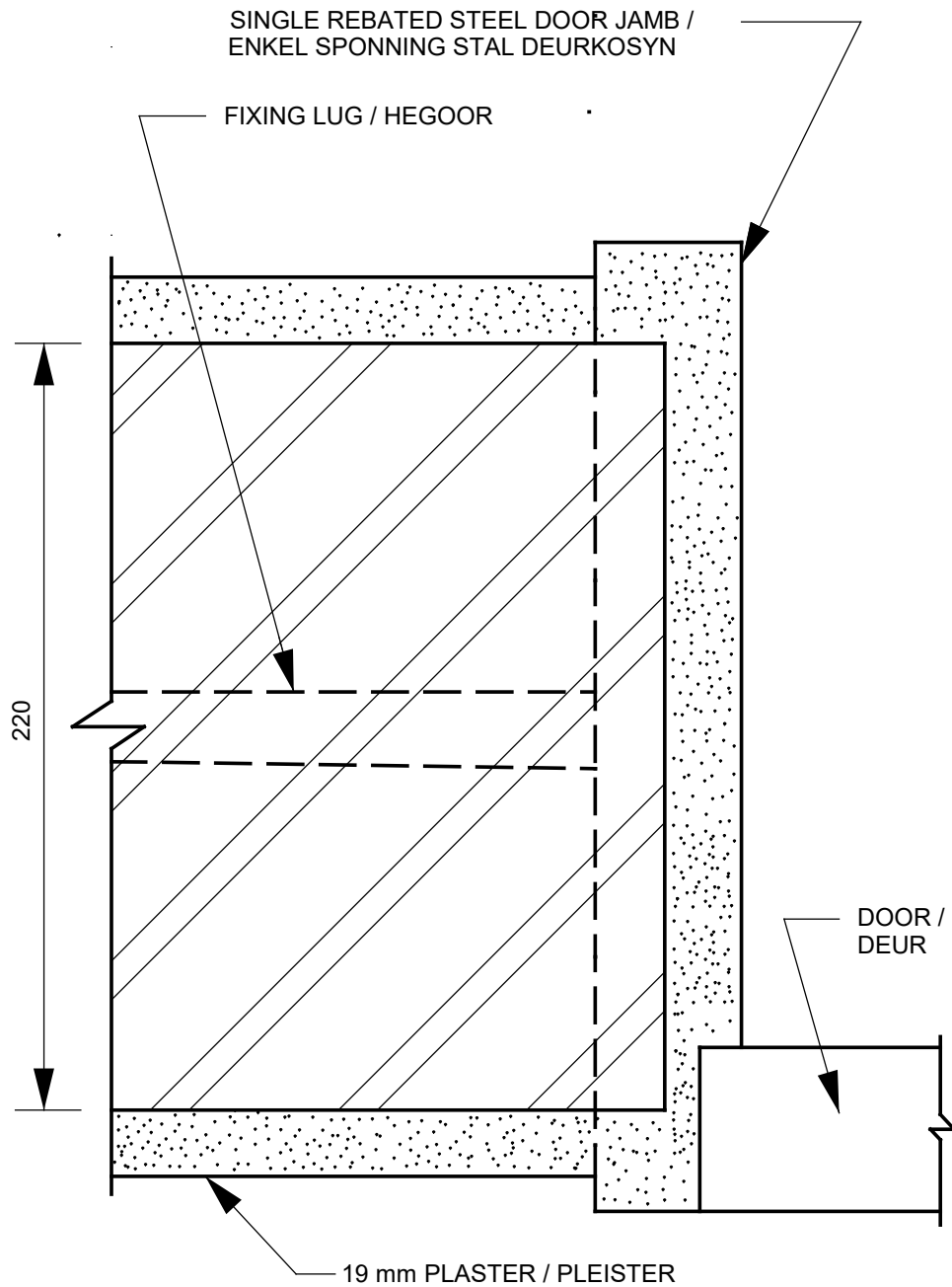
| QUESTION 5: RUBRIC                  |                  |               |         |
|-------------------------------------|------------------|---------------|---------|
| PART OF DRAWING                     | MARKING CRITERIA | POSSIBLE MARK | REMARKS |
| Stringer                            | Correct position | 4             |         |
|                                     | Dimensioning     | 2             |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         |               |         |
| Treads                              | Correct position | 4             |         |
|                                     | Dimensioning     | 2             |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         | 1             |         |
| Risers                              | Correct position | 4             |         |
|                                     | Dimensioning     | 2             |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         | 1             |         |
| Carriage                            | Correct position | 4             |         |
|                                     | Dimensioning     | 2             |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         |               |         |
| Rough brackets and wedges           | Correct position | 2             |         |
|                                     | Dimensioning     |               |         |
|                                     | Labelling        | 2             |         |
|                                     | Hatching         |               |         |
|                                     |                  |               |         |
|                                     | <b>Subtotal</b>  | 32            |         |
|                                     | <b>Divide by</b> | 4             |         |
| <b>Overall correctness</b>          |                  | <b>8</b>      |         |
| <b>Line work</b>                    |                  | <b>2</b>      |         |
| <b>Accuracy</b>                     |                  | <b>3</b>      |         |
| <b>Balanced layout and neatness</b> |                  | <b>2</b>      |         |
| <b>TOTAL</b>                        |                  | <b>15</b>     |         |

NOTE: NO marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect.

### SUMMARY QUESTION 5

| Marking criteria                    | Possible mark | Marker | Internal moderator | External moderator |
|-------------------------------------|---------------|--------|--------------------|--------------------|
| Correct position                    | 16            |        |                    |                    |
| Dimensions                          | 8             |        |                    |                    |
| Labels                              | 6             |        |                    |                    |
| Hatching                            | 2             |        |                    |                    |
|                                     |               |        |                    |                    |
| <b>Subtotal</b>                     | <b>32</b>     |        |                    |                    |
| <b>Divide by</b>                    | <b>4</b>      |        |                    |                    |
| <b>Overall correctness</b>          | <b>8</b>      |        |                    |                    |
| <b>Line work</b>                    | <b>2</b>      |        |                    |                    |
| <b>Accuracy</b>                     | <b>3</b>      |        |                    |                    |
| <b>Balanced layout and neatness</b> | <b>2</b>      |        |                    |                    |
| <b>TOTAL</b>                        | <b>15</b>     |        |                    |                    |

**QUESTION 6: METAL JAMB LININGS**

**HORIZONTAL SECTION THROUGH A STEEL DOOR JAMB  
SCALE 1 : 2**

| QUESTION 6: RUBRIC                  |                  |               |         |
|-------------------------------------|------------------|---------------|---------|
| PART OF DRAWING                     | MARKING CRITERIA | POSSIBLE MARK | REMARKS |
| Wall                                | Correct position | 2             |         |
|                                     | Dimensioning     | 1             |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         | 1             |         |
| Frame                               | Correct position | 4             |         |
|                                     | Dimensioning     |               |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         |               |         |
| Plaster                             | Correct position | 2             |         |
|                                     | Dimensioning     | 1             |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         | 1             |         |
| Fixing lug                          | Correct position | 2             |         |
|                                     | Dimensioning     |               |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         |               |         |
| Door                                | Correct position | 2             |         |
|                                     | Dimensioning     | 1             |         |
|                                     | Labelling        | 1             |         |
|                                     | Hatching         |               |         |
|                                     |                  |               |         |
|                                     | <b>Subtotal</b>  | 22            |         |
|                                     | <b>Divide by</b> | 4,4           |         |
| <b>Overall correctness</b>          |                  | <b>5</b>      |         |
| <b>Line work</b>                    |                  | <b>1</b>      |         |
| <b>Accuracy</b>                     |                  | <b>3</b>      |         |
| <b>Balanced layout and neatness</b> |                  | <b>1</b>      |         |
| <b>TOTAL</b>                        |                  | <b>10</b>     |         |

NOTE: NO marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect.

### SUMMARY QUESTION 6

| Marking criteria                    | Possible mark | Marker | Internal moderator | External moderator |
|-------------------------------------|---------------|--------|--------------------|--------------------|
| Correct position                    | 12            |        |                    |                    |
| Dimensions                          | 3             |        |                    |                    |
| Labels                              | 5             |        |                    |                    |
| Hatching                            | 2             |        |                    |                    |
|                                     |               |        |                    |                    |
| <b>Subtotal</b>                     | <b>22</b>     |        |                    |                    |
| <b>Divide by</b>                    | <b>4,4</b>    |        |                    |                    |
| <b>Overall correctness</b>          | <b>5</b>      |        |                    |                    |
| <b>Line work</b>                    | <b>1</b>      |        |                    |                    |
| <b>Accuracy</b>                     | <b>3</b>      |        |                    |                    |
| <b>Balanced layout and Neatness</b> | <b>1</b>      |        |                    |                    |
| <b>TOTAL</b>                        | <b>10</b>     |        |                    |                    |

**TOTAL: 100**