



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

BUILDING ADMINISTRATION N5

4 August 2026

This marking guideline consists of 6 pages.

QUESTION 1: EARNINGS AND EXPENDITURES

- A – Sand
- B – Cement
- C – Aggregate
- D – Lintels
- E – Roof sheets
- F – Bricks
- G – Timber
- H – Steel
- I – Piping
- J – Pavers

(10 × 1) [10]

QUESTION 2: MAIN CONTRACTORS AND SUBCONTRACTORS

- 2.1 Safety first
- 2.2 Protection
- 2.3 Regulations
- 2.4 Hazards
- 2.5 Health
- 2.6 Insurance

(6 × 1) [6]

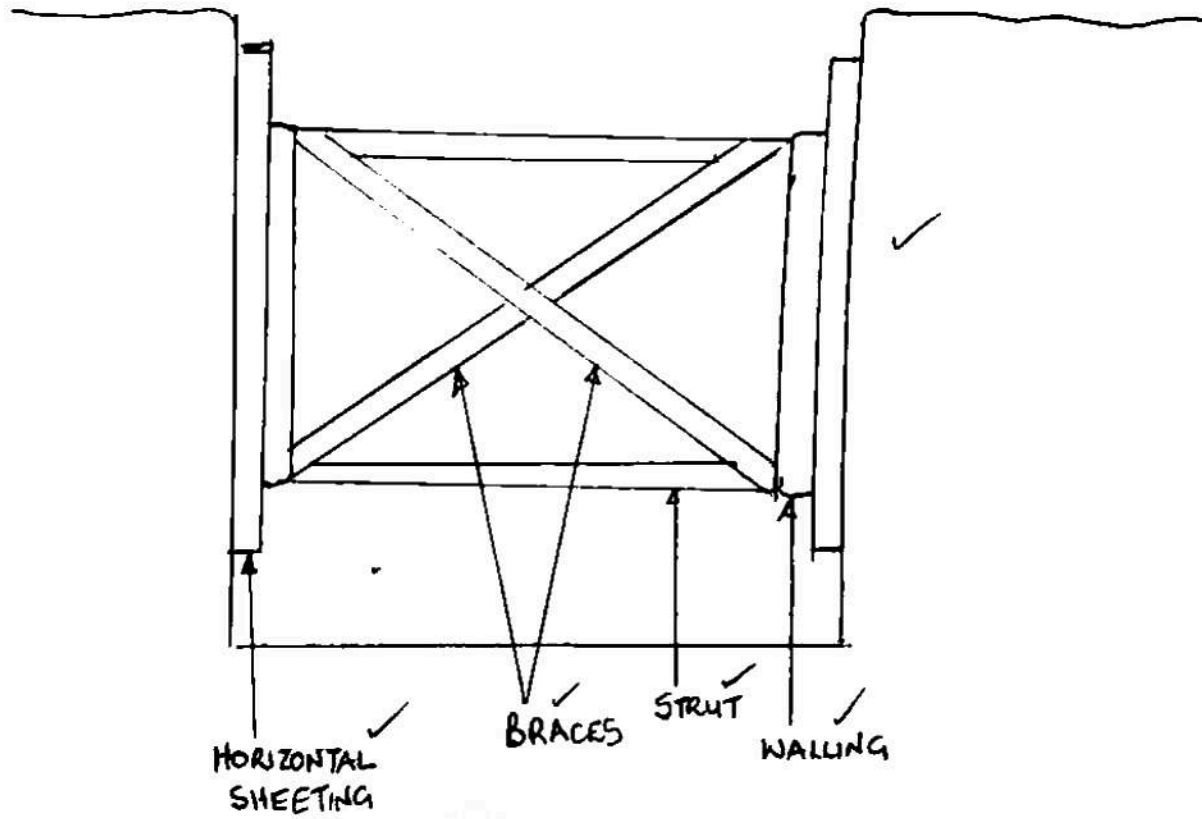
QUESTION 3: SITE MEETINGS

- 3.1
 - Labour strength, including subcontractors
 - Work progress
 - Plant and material information
 - Any delays incurred and the reasons
 - Subcontractor's shortages(5)
 - 3.2
 - The storage of materials may be a problem.
 - Access to the site can be a problem.
 - Covered walkways might be needed.
 - Erecting a crane may be a problem.
 - The neighbouring building may cause a problem for piling or heavy works.(5)
- [10]

QUESTION 4: MECHANICAL PLANT

- 4.1
- The machine must be able to carry out its task economically.
 - There must be sufficient work to keep the machine occupied.
 - There must be sufficient labour and allied services available.
- (3)
- 4.2
- The ability of the haul unit to position itself under the excavator bucket.
 - Maximum hourly output is possible.
- (2)
- 4.3 Regular inspection by a competent mechanic to ensure that the machines are in good order✓✓ (1 × 2) (2)
- 4.4
- 1 – Foundation
 - 2 – Tower or mast
 - 3 – Turntable
 - 4 – Counter-jib
 - 5 – Counterweights
 - 6 – Main winch and motors
 - 7 – Rear pendant
 - 8 – Tower peak or apex
 - 9 – Fore pendant
 - 10 – Trolley
 11. – Hook block
 12. – Jib
 - 13 – Operator's cab
- (13 × 1) (13)
[20]

QUESTION 5: SUPPORT TO STRUCTURES



Labels	4
Correct sketch	4
Neatness	2
	10

[10]

QUESTION 6: MASS HAUL DIAGRAM

6.1 Average cut surface area = $\frac{2\ 680 + 3\ 840 + 4\ 130}{3} = 3\ 550\ \text{m}^2\checkmark$

Average fill surface area = $\frac{4\ 110 + 2\ 580 + 4\ 800}{3} = 3\ 830\ \text{m}^2\checkmark$

Cut volume = $3\ 550\ \text{m}^2 \times 50\ \text{m}\checkmark$

Cut volume = $177\ 500\ \text{m}^3\checkmark$

Fill volume = $3\ 830\ \text{m}^2 \times 50\ \text{m}\checkmark$

Fill volume = $191\ 500\ \text{m}^3\checkmark$

$191\ 500\ \text{m}^3 - 177\ 500\ \text{m}^3 = 14\ 000\ \text{m}^3\checkmark\checkmark$

There will be a shortage of earth with a volume of $14\ 000\ \text{m}^3\checkmark\checkmark$ (10)

6.2

Section	Area	Cut section volume	Fill section volume	Aggregate volume
1	15 m ²	150✓		150
2	37 m ²	370✓		520✓
3	20 m ²	200✓		720
4	50 m ²		500✓	220
5	28 m ²		280✓	-60✓
6	17 m ²	170✓		110
7	8 m ²	80✓		190✓

(10)
[20]

QUESTION 7: VARIATION, OMISSION & HANDING OVER

- 7.1 G
- 7.2 F
- 7.3 B
- 7.4 H
- 7.5 A
- 7.6 C
- 7.7 I
- 7.8 E
- 7.9 J
- 7.10 D

(10 × 1) [10]

QUESTION 8: STATUTORY BODIES

- 8.1
- It oversees the sustainability and growth of construction companies in South Africa.
 - The CIDB sets national standards for construction contracts and delivery by standardising the construction procurement based on best practice.
 - Uniformity in construction procurement
 - Construction industry performance improvement
 - Efficient and effective infrastructure delivery
 - Industry transformation and skills development (Any 4 × 1) (4)
- 8.2
- Working hours
 - Leave
 - Particulars of employment and remuneration
 - Termination of employment
 - Prohibition of employment of children and forced labour (5)
- 8.3
- Develops the skills of the workforce.
 - Increases investment in education and training.
 - Encourages employers to provide employees with opportunities.
 - Encourages participation of workers in leadership and other training programmes.
 - Ensures the quality of education and training in the workplace.
 - Achieves these goals by establishing the National Skills Authority, National Skills Fund, SETAS and labour centres. (Any 5 × 1) (5)
- TOTAL: 150**
- [14]**