



**higher education
& training**

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE QUANTITY SURVEYING N4

18 August 2023

This marking guideline consists of 8 pages.

SECTION A

QUESTION 1

			<u>PLAIN OPENING</u> <u>CHECKLIST</u> <u>Adjustments</u> Ddt: Wall External wall finishes Internal finishes Add: Threshold Reveals Lintels Adjustments Ddt One brick wall a.b & Ddt External cement plaster a.b Ddt Two coats PVA paint on external plaster Height 1900 75 1975		<u>1,20</u>		19 mm × 75 mm South African pine skirting & Ddt Two coats enamel paint on skirting surfaces not exceeding 300 mm girth
	1,20 <u>1,98</u>				1,20 0,22 <u>0,08</u>		Threshold Add 15 Mpa Concrete surface bed a.b
					<u>1,20</u>		Formwork to edges of threshold not exceeding 300 mm high
	1,20 <u>1,90</u>		Ddt Internal plaster a.b		1,20 <u>0,22</u>		20 mm cement screed a.b horiz. surf.
	1,20 <u>1,83</u>		Ddt Two coats PVA paint on internal plaster Height 1900 Less 75 1825		1,20 <u>0,08</u>		Ditto to isolated slab vert. surf.
			1				2

[40]

QUESTION 2.1

2/	<u>1,60</u>	<u>3,20</u>	100 mm × 75 mm precast concrete lintel not exceeding 3.0 m in length				
	1,20 <u>0,22</u>	<u>0,26</u>	External cement plaster to soffit				
	1,20 <u>0,22</u>	<u>0,26</u>	Two coats PVA on the back of lintel not exceeding 300 mm girth				

<u>Squaring</u>		
Check side casts. (ticks)	1	
Check dimensioning. (ticks)	0,5	
Square dimensions.	0,5	(3)
Check squaring answers. (ticks)	0,5	
Transfers to abstract.	0,5	

QUESTION 2.2

<u>Pre-cast concrete</u> m 100 mm x 75 mm precast concrete lintel not exceeding 3,0 m in length 3,20 <u>3 m</u>					<u>OPENING</u> <u>Paintwork</u> Two coats PVA on the back of lintel not exceeding 300 mm girth 0,26 1 m²					
<u>Plaster</u> m² External cement plaster to soffit 0,26 <u>1 m²</u>										

<u>Abstracting</u> Section of work. Trades. Units. Page referencing. Use of columns. Transfers to bill.	0,5 0,5 0,5 0,5 0,5 0,5	(3)
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QUESTION 2.3

c.n	descriptions	unit	qty	rate	rand	cents
	PLAIN OPENING					
	Pre-cast concrete Bill no 1					
1.	100 mm x 75 mm precast concrete lintel not exceeding 3,0 m in length	m	3			
	Plaster Bill no 2					
1.	External cement plaster to soffit	m ²	1			
	Paint work Bill no 3					
1.	Two coats PVA on the back of lintel not exceeding 300 mm girth	m ²	1			
	Bill no carried to summary				R.....	

<u>Billing</u>		
Section of work.	0,5	
Bill no.	0,5	
Trade.	0,5	
Item no.	0,5	(4)
Descriptions. (No abbreviations)	0,5	
Units.	0,5	
Quantities.	0,5	
Summary	0,5	

[10]**TOTAL SECTION A: 50**

SECTION B**QUESTION 3**

3.1	3.1.1	Material		
	3.1.2	Knot, prime and stop		
	3.1.3	Foundation		
	3.1.4	Hard core		
	3.1.5	Measured separately	(5 × 1)	(5)
3.2	3.2.1	Item		
	3.2.2	m ³		
	3.2.3	m ²		
	3.2.4	m ³		
	3.2.5	m ²	(5 × 1)	(5)
				[10]

QUESTION 4

4.1	4.1.1	True		
	4.3.2	False		
	4.1.3	True		
	4.1.4	True		
	4.1.5	True	(5 × 1)	(5)
4.2	4.2.1	G		
	4.2.2	C		
	4.2.3	E		
	4.2.4	B		
	4.2.5	A	(5 × 1)	(5)
				[10]

QUESTION 5

5.1	• Bill of quantities			
	• Interim payment certificate			
	• Final account certificate			
	• Condition of contract			
	• Contract drawings			
	• <i>Standard system of measuring builder's work</i>			(Any 5 × 1) (5)

- 5.2
- Provides uniformity in the preparation of the bill of quantities.
 - Lay down principles for measurement.
 - Make bill of quantities understandable and pliable.
 - Provide guidelines for the measurements that are not rigid, flexible set rule.
 - Provide the order for setting out the bill of quantities.
 - Simplify the measurements of the bill of quantities.
- (Any 5 × 1)

(5)
[10]

QUESTION 6

- 6.1 Purpose made
6.2 General surfaces
6.3 Variation order
6.4 Maintenance period
6.5 Retention fund
6.6 Interim certificate
6.7 Beam filling
6.8 Primer
6.9 Hard core
6.10 Interim payment

(10 × 1) [10]

QUESTION 7

Stock bricks for superstructure = $55 \times 82,50 \text{ m}^2$ ✓✓
= 4 538 stock bricks ✓
= 4 600 bricks ✓

Stock bricks for foundation = $55 \text{ bricks} \times 5,00 \text{ m}^2$ ✓✓
= 275 ✓
= 300 bricks ✓
= 4 538 + 275 ✓
= 5 000 bricks ✓

[10]

TOTAL SECTION B: 50
GRAND TOTAL: 100