



**higher education
& training**

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

BUILDING ADMINISTRATION N4

7 April 2021

This marking guideline consists of 7 pages.

SECTION A**QUESTION 1**

- 1.1 B
- 1.2 C
- 1.3 A
- 1.4 A
- 1.5 A
- 1.6 D
- 1.7 B
- 1.8 A
- 1.9 C
- 1.10 C

(10 × 1) [10]

QUESTION 2

- 2.1 False
- 2.2 True
- 2.3 True
- 2.4 False
- 2.5 False
- 2.6 False
- 2.7 True
- 2.8 True
- 2.9 True
- 2.10 False

(10 × 1) [10]

QUESTION 3

- 3.1 E
- 3.2 G
- 3.3 J
- 3.4 B
- 3.5 C
- 3.6 D
- 3.7 F
- 3.8 I
- 3.9 A
- 3.10 H

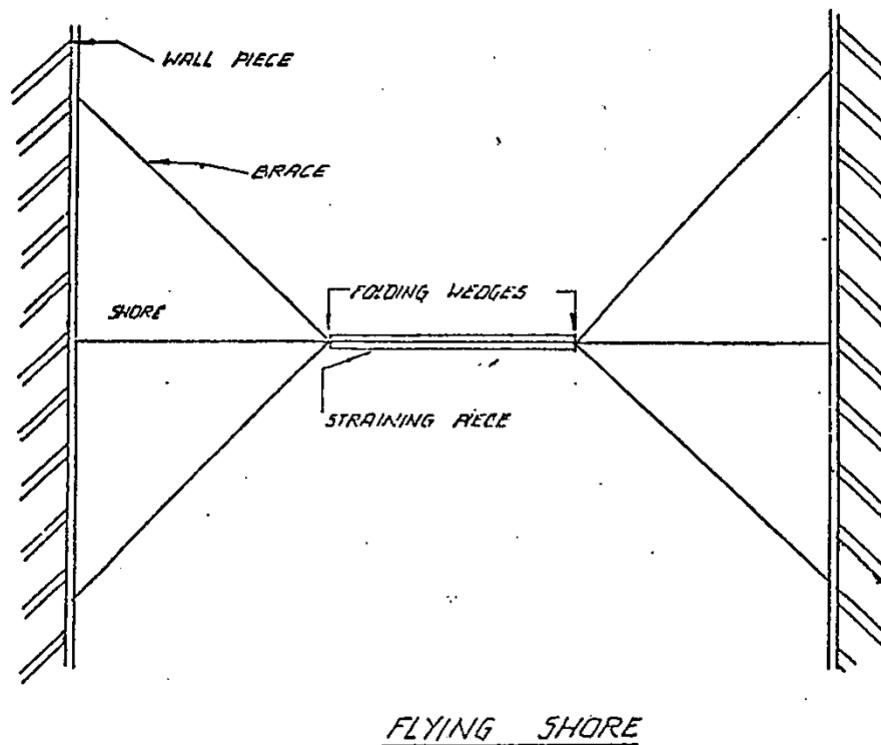
(10 × 1) [10]

QUESTION 4

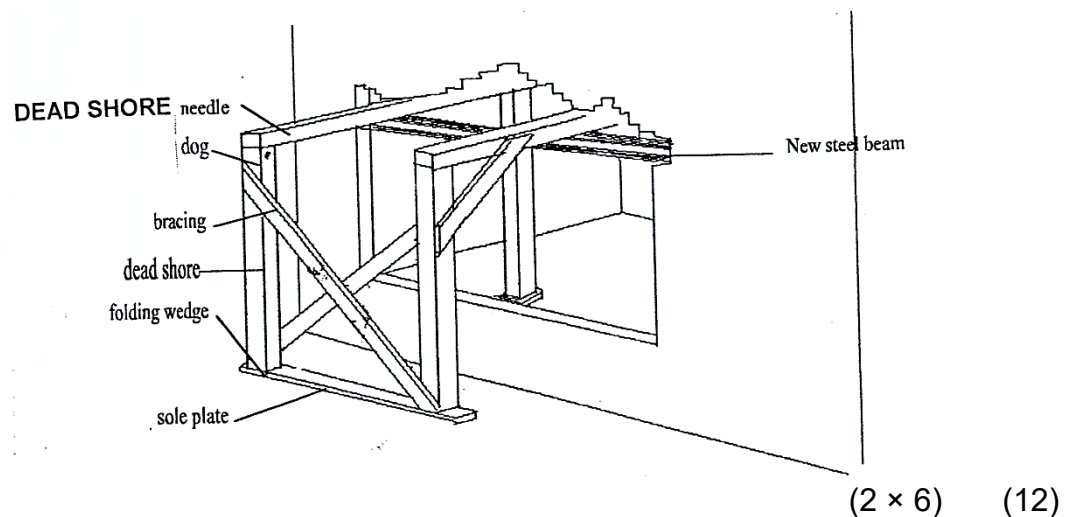
- 4.1 A hoarding is a temporary closed fence that mainly prevents theft from and injuries to the public. (3)
- 4.2
- It must be between two and three metres high to prevent public access.
 - There must not be more than one gate opening for every 15 m of length.
 - There should be no gaps.
 - No sharp objects such as protruding nails may project on the side of the street.
 - A competent person should inspect it at regular intervals. (5)
- 4.3 Material should be stored according to various special needs and sheltered against damage near the site offices to ensure better monitoring and near the gate to ease delivery. (2)

[10]**TOTAL SECTION A: 40****SECTION B****QUESTION 5**

5.1 5.1.1



5.1.2



5.2	5.2.1	A wall plate is the vertical timber transferring some wall loads via the needle and deal into the shore.		
	5.2.2	A dog is a U-shaped metal spike that butt joints structural members.		
	5.2.3	A sole plate transfers loads from the shores equally into the existing floor.		
	5.2.4	Folding wedges are pieces of wood driven in between the shoring parts by force to tighten the shoring system.		
	5.2.5	A cleat is a small piece of timber that provides additional support for the needle.	(5 × 2)	(10)
				[22]

QUESTION 6

- Errors on the drawing
- Extraordinary weather conditions
- Construction faults
- Accidents
- Plant breakdown
- Strike
- Unreliable subcontractors

[6]

QUESTION 7

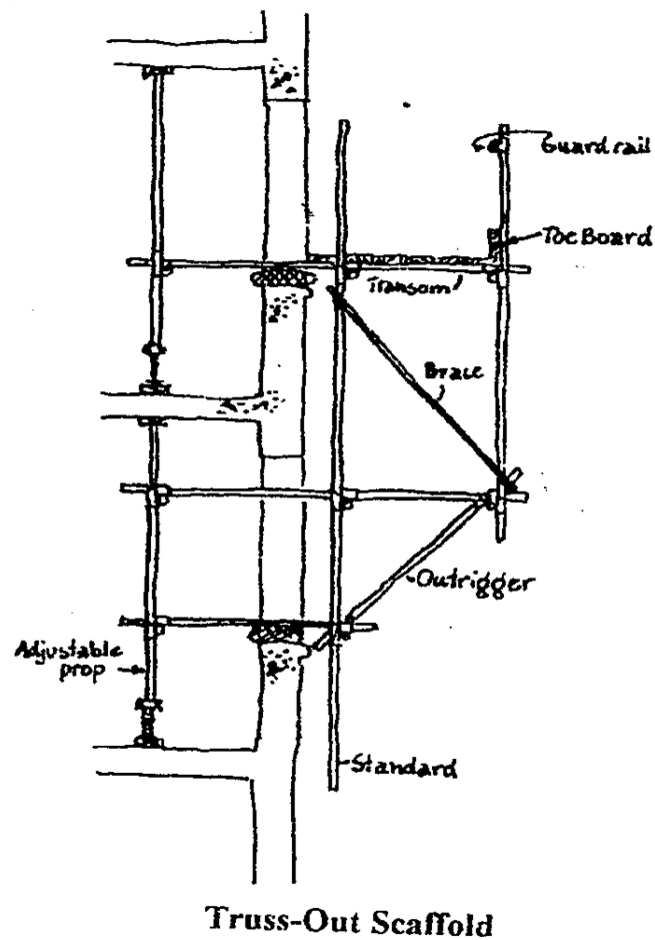
- 7.1
- Uneven loading on a foundation
 - Unequal bearing capacity of subsoil
 - Surrounding vegetation causing disturbances
 - Water and soil settlement acting on soil
- (4)
- 7.2
- Notify the owners of adjoining buildings and give them all relevant information.
 - Carry out a detailed inspection of the building and record any defects and cracks.
 - Check the levels at certain points and record it.
 - Carry out soil tests to determine the cause of settlement.
 - Remove any imposing loads and apply shoring where required.
- (6)
[10]

QUESTION 8

PRE – TENDER PROGRAMME																							
CONTRACT 123/70 SINGLE STOREY WARE HOUSE												PLANNING DEPT SHEET No. 1 PREPARED BY: T.S.											
FOR P&T ENG. Co. Ltd. DATE:																							
MONTHS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
Activities	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			
Preparation																							
Foundation																							
Drainage																							
Site works																							
Brickwork																							
Roof																							
Plaster																							
Paint																							
Sundries																							
Cleaning																							

[10]

QUESTION 9



[12]

TOTAL SECTION B:	60
GRAND TOTAL:	100