



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會

# **Concretor Skilled Trade Test Mock Practical Test Paper**

此文件關於混凝土工藝測試考題。如有需要索取此文件的中文版本，請致電 2100 9232 與工藝測試中心聯絡。

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## **Enquiries**

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## Trade Test Paper

Trade :            Concretor

Grade:            Skilled Worker

Test Contents: In accordance with working drawing 1&2, complete the following tasks at designated location :

1. Quality control before concreting ( 10 marks )

- i)     Measure concrete temperature
- ii)    Carry out slump test
- iii)   Make test cube

2. Concreting for staircase

- i)     Use correct hand signal to communicate with crane operator. ( 30 marks )
- ii)    Handling of concrete skip
- iii)   Compact concrete with internal vibrator
- iv)    Trowel finishing & curing
- v)     Housekeeping & maintenance of tools after completion

3. Concreting for wall ( 30 marks )

- i)     Use correct hand signal to communicate with crane operator
- ii)    Handling of concrete skip
- iii)   Compact concrete with internal vibrator
- iv)    Trowel finishing & curing
- v)     Housekeeping & maintenance of tools after completion

4. Concreting for slab

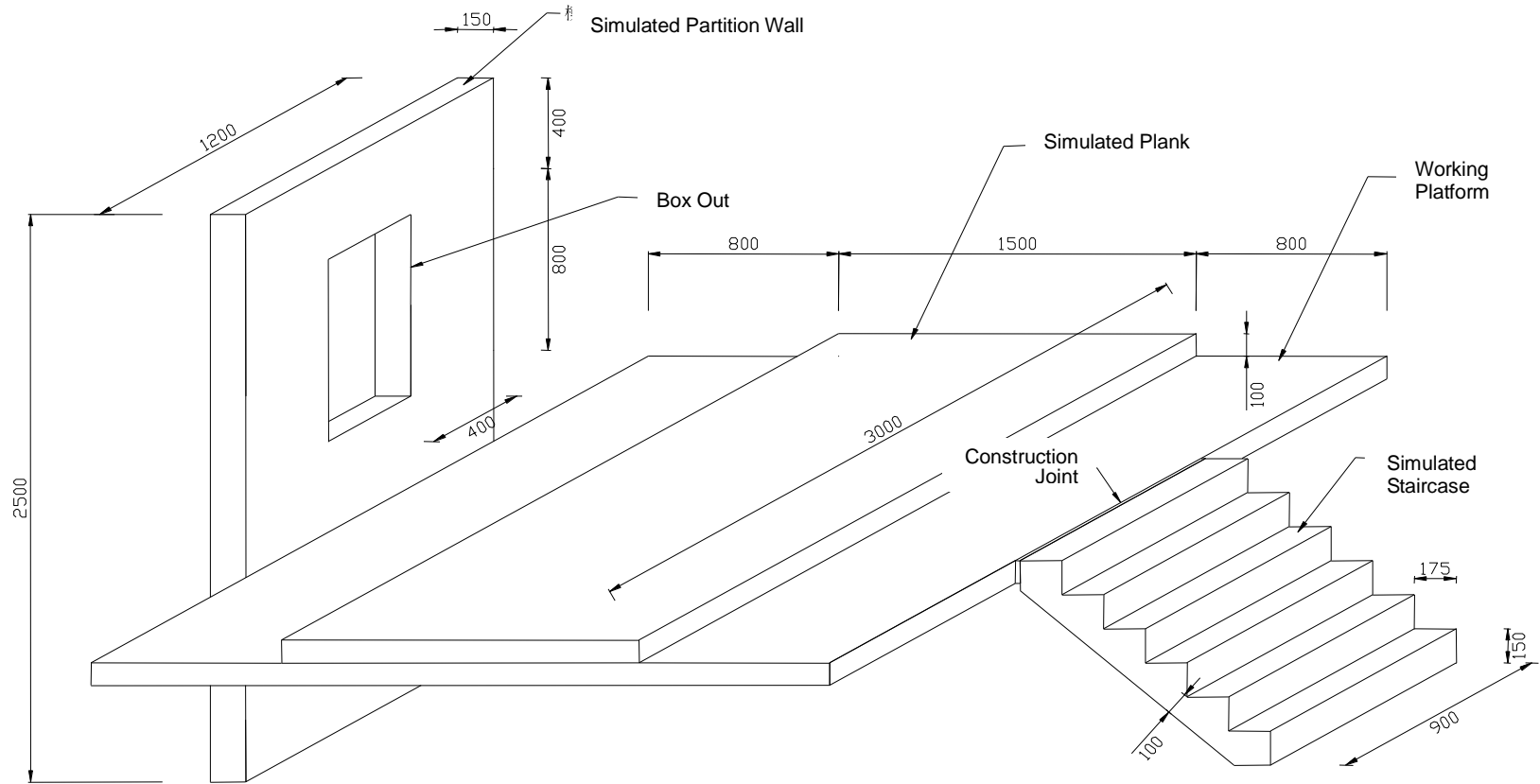
( 30 marks )

- i) Erect firm wooden bridge
- ii) Use wheel barrow to deliver concrete
- iii) Compact concrete with internal vibrator
- iv) Trowel finishing with concreting boom
- v) Housekeeping & maintenance of tools after completion

Duration : 3 hours ( including housekeeping work )

- Note :
- 1 . Candidate shall read the attached practical test notes carefully.
  - 2 . Candidate will be marked as fail if he does not carry out safety precautions during the test.
  - 3 . The test paper consists of 4 pages. Total score is 100. Pass mark is 60.

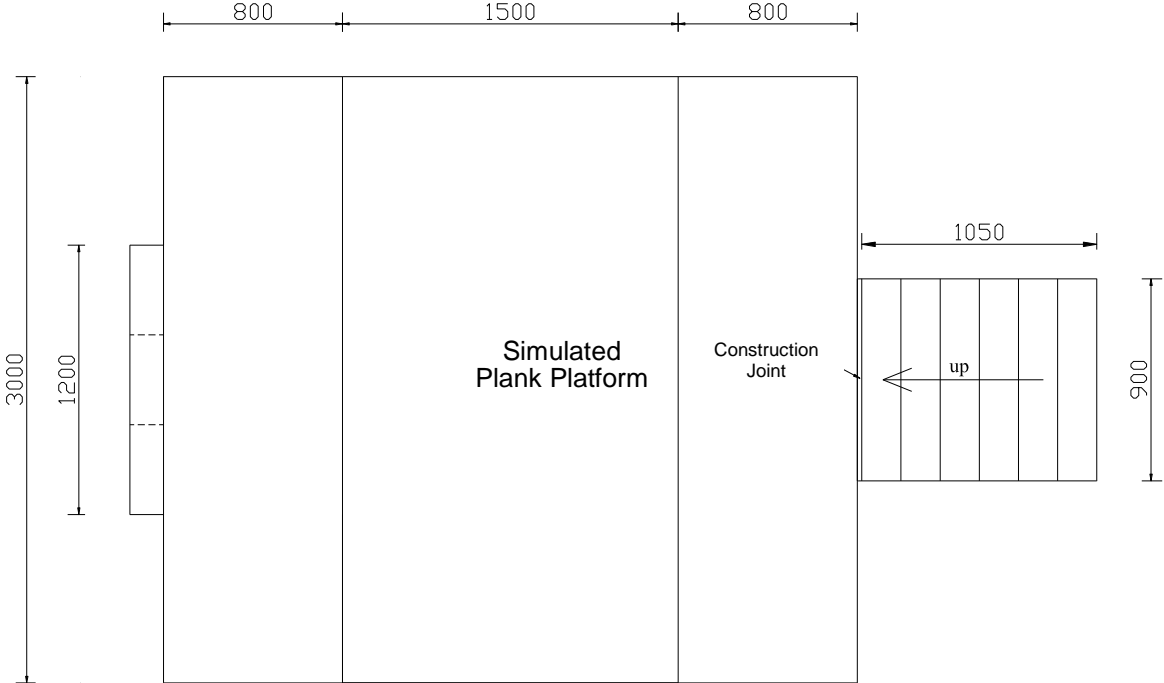
# Concreter Trade Test Shop Drawing 1



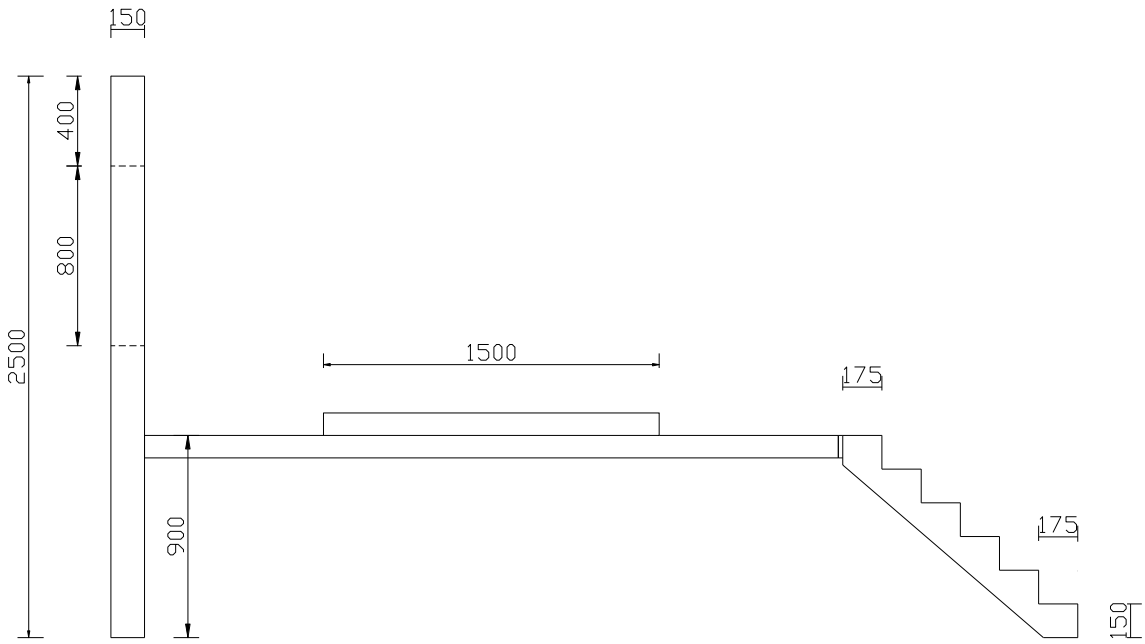
Note: Shop Drawing only indicates the dimensions of the components, actual location depends on the test post.

Drawing not in proportion  
Measurements in mm

# Concreter Trade Test Shop Drawing 2



Plan



Side Elevation

Note: Shop Drawing only indicates the dimensions of the components, actual location depends on the test post.

Drawing not in proportion  
Measurements in mm

Notes to Candidates :

1. Candidates should read the test papers carefully and ask the invigilator for any queries.
2. Candidates should study the drawings and specifications attached to test papers, if any, before the test begins.
3. Candidates should carry out the test according to test papers, working drawings and specifications provided.
4. Candidates shall bring their own safety shoes, other safety equipment will be provided by trade testing centre. Candidates must take all necessary safety precautions to ensure work safety.
5. All tools and materials required by the test will be provided by trade testing centre, candidates should check and ensure their adequacy and quality. Candidates shall use the tools and materials properly based on trade practice. All the tools must be returned to trade testing centre after the test. The candidates may ask the invigilator for any problems.
6. Candidates are required to handle and move the tools and materials for use in the test, and to carry out associated works.
7. Invigilator will take record photos periodically during the test.
8. Candidates are not allowed to take any photo or video with cameras or mobile phones.
9. Candidates are not allowed to use their mobile phones during the trade tests, except for emergency situation.
10. The marking scheme is based on the following criteria :
  - a) Understanding of drawing and specification

- b) Preparation works before commencement of test
- c) Working procedures
- d) Accuracy and quality of works
- e) Progress of works
- f) Proper handling and use of materials
- g) Proper use of tools and equipment
- h) Safety precautions
- i) Considerate of other trades
- h) Housekeeping after completion of test

11. All candidates must stop when time is up.
12. Candidates are required to return the test paper to invigilator after the test.
13. Offering bribe to invigilator is an offence in law and trade testing centre will report to the ICAC for any such case.

**In the event that the candidate fails to take any necessary safety precautions and / or works in any dangerous situations, he / she will be assessed failed**