



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Concrete Trade Test Mock Practical Paper

此文件關於混凝土大工工藝測試考題。如有需要索取此文件的中文版本，請致電 2100 9000 與香港建造業工藝測試中心聯絡。

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Enquiries

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Trade Test Paper

Trade: Concreter

Skill Level: Skilled Worker

Question: Complete the following work according to the drawings at the specified location:
(Please refer to the Concreter Trade Test Shop Drawings)

1. Quality control before concrete casting (10 marks)
 - i) Measure the temperature of the concrete;
 - ii) Slump test
 - iii) Fabricate concrete test cube.

2. Cast the stairs (30 marks)
 - i) Use correct hand signals to communicate with the crane controller;
 - ii) Use the bucket (吊斗) to cast the concrete;
 - iii) Switch on the internal vibrator and ram the concrete;
 - iv) Level off the finish (smooth);
 - v) Tidy up after completion, including tools and venue etc.

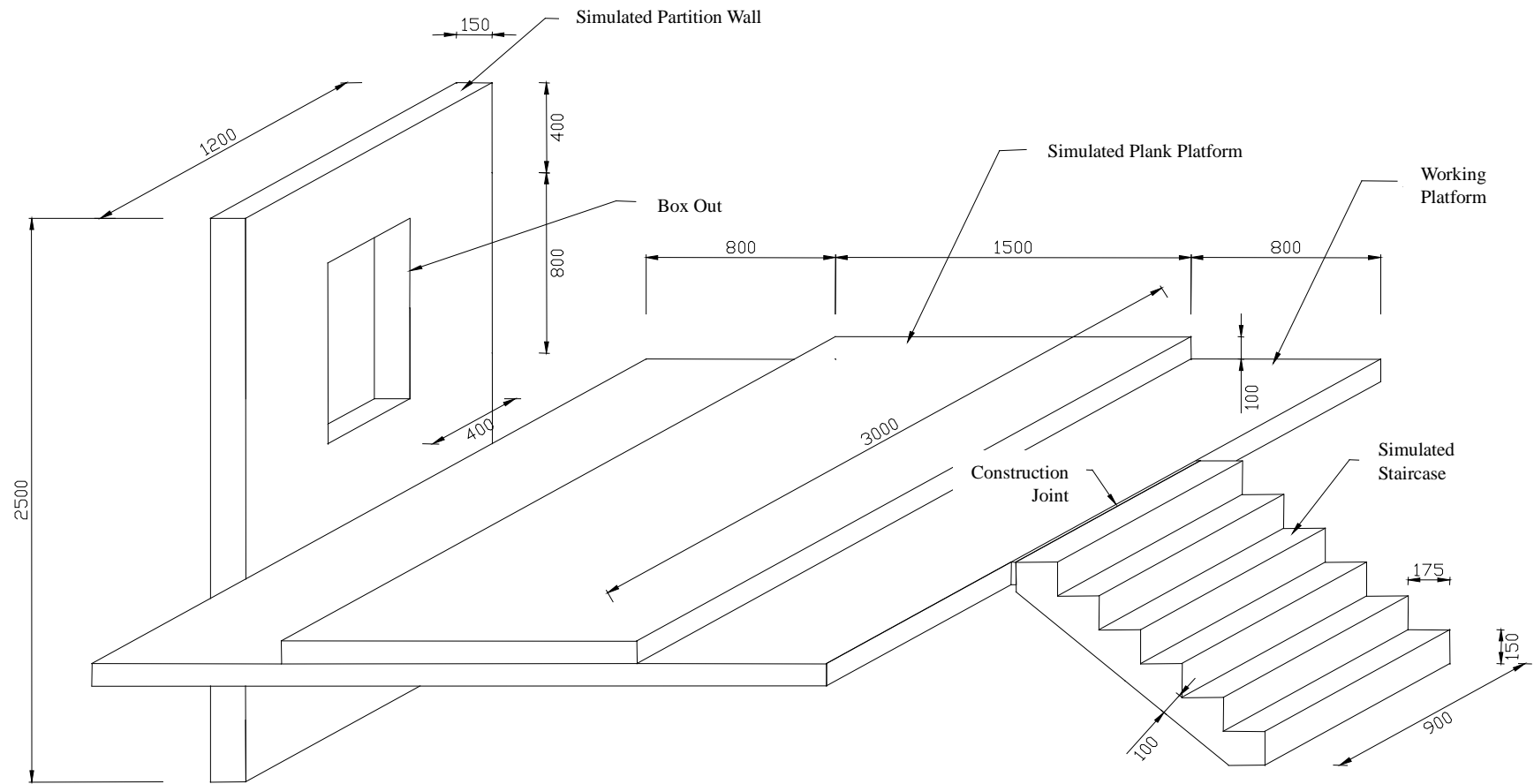
3. Cast simulated partition wall (30 marks)
 - i) Use correct hand signals to communicate with the crane controller;
 - ii) Use the bucket (吊斗) to cast the concrete;
 - iii) Switch on the internal vibrator and ram the concrete;
 - iv) Level off the finish (smooth);
 - v) Tidy up after completion, including tools and venue etc.

4. Cast concrete on plank platform (版型平台) (30 marks)
 - i) Appropriately erect the bridge deck for concrete barrow;
 - ii) Use concrete barrow to cast the concrete;
 - iii) Switch on the internal vibrator and ram the concrete;
 - iv) Use trowel plank (抹板) (push trowel (推板)) for finishing (smooth);
 - v) Tidy up after completion, including tools and venue etc.

Test Time: 3 hours

- Notes:
- (1) The candidate must read the “Notes to Candidates” in the Annex before starting;
 - (2) If the candidate did not complete safety measures during the test, he/she will be deemed to have failed the test; and
 - (3) There are 4 pages in the question. All test items will have a full mark of 100 and 60 marks or above will be considered as pass.

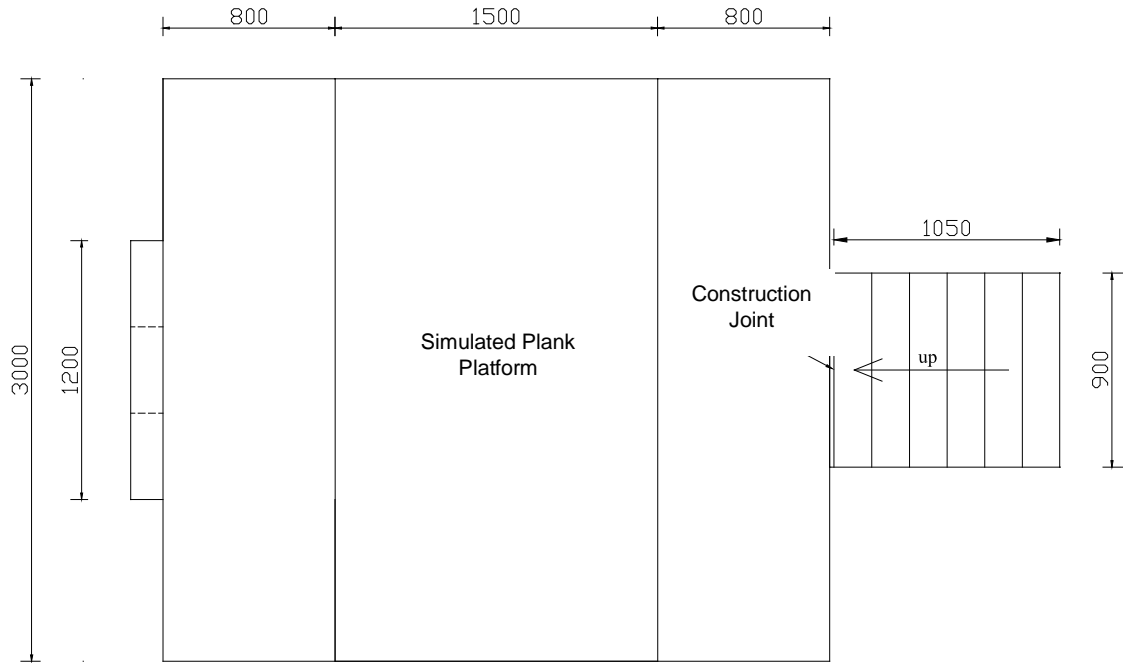
Concreter Trade Test Shop Drawing 1



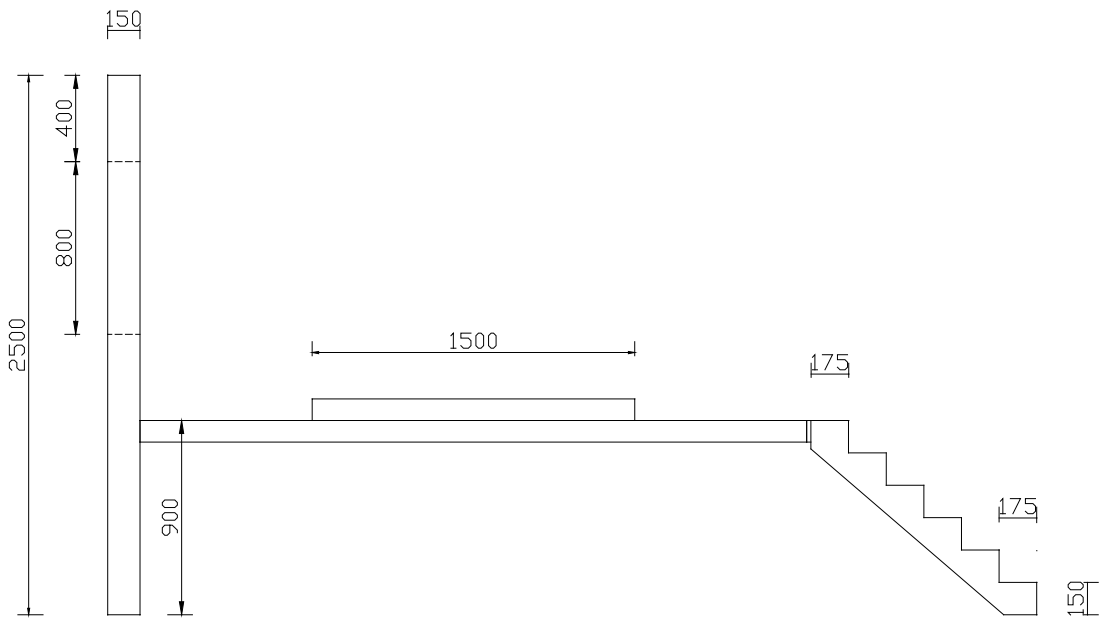
Note: Shop Drawing only indicates the dimensions of the components, actual location depends on the test post.

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
- j) 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