

Bamboo Scaffolder Trade Test Practical Test Mock Paper

(Version : TSF-PM-EN-01)



此文件關於竹棚工技能測試實務測試模擬試題。

如需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

Enquiries on this material may be made to Hong Kong Construction Industry Trade Testing Centre (HKCITTC) at:

Address: 95 Yue Kwong Road, Aberdeen, Hong Kong

Tel: (852) 2100 9000

Fax: (852) 2100 9090

Email: hkcittc@cic.hk

Website: www.cic.hk

Bamboo Scaffolder Trade Test

Practical Test Mock Paper

Trade: Bamboo Scaffolder

Grade: Skilled Worker

Test Contents: Complete the following items at designated location: -

1. Dismantle a bamboo scaffolding and associated structures (approximately 3.8m(L) x 4.6m(H) \approx 12.5ft(L) x 15ft(H)) in a safe manner (to ensure the stability of the scaffolding at all times) as follows:
 - i. Inspect/ repair as necessary before dismantling work,
 - ii. dismantle the scaffold,
 - iii. stack up properly the dismantled materials, and
 - iv. tidy up job site.

2. Erect the following bamboo scaffolding and associated structures (approximately 3.8m(L) x 4.6m(H) \approx 12.5ft(L) x 15ft(H)) according to the given drawing:
 - i. a double-row scaffolding,
 - ii. closely spaced lifts (with a working platform), and
 - iii. a cantilever.

Duration: 6 hours 45 minutes

- Notes:**
- (1) Candidate should read the attached “Notes to Candidate” before commencement of work and comply with all test related rules and requirements.
 - (2) To achieve overall “Pass” grade in practical test of trade test, candidates should satisfy ALL testing requirements as stated below:
 - obtain “Pass” grade in technical skill section (i.e. achieve minimum 60 marks out of 100 marks, and no serious mistakes made in technical aspect and at works during the test,
 - meet the specific requirement(s) in specified item(s) of assessment criteria, and
 - obtain “Pass” grade in safety assessment (remarks: candidates will be deemed as candidates will be deemed as “Fail” if he/she fails to carry out necessary safety precautionary actions during the test).
 - (3) For the details of assessment criteria for practical test, please refer to “Introductory Booklet for Bamboo Scaffolder Trade Test”.

Precautions

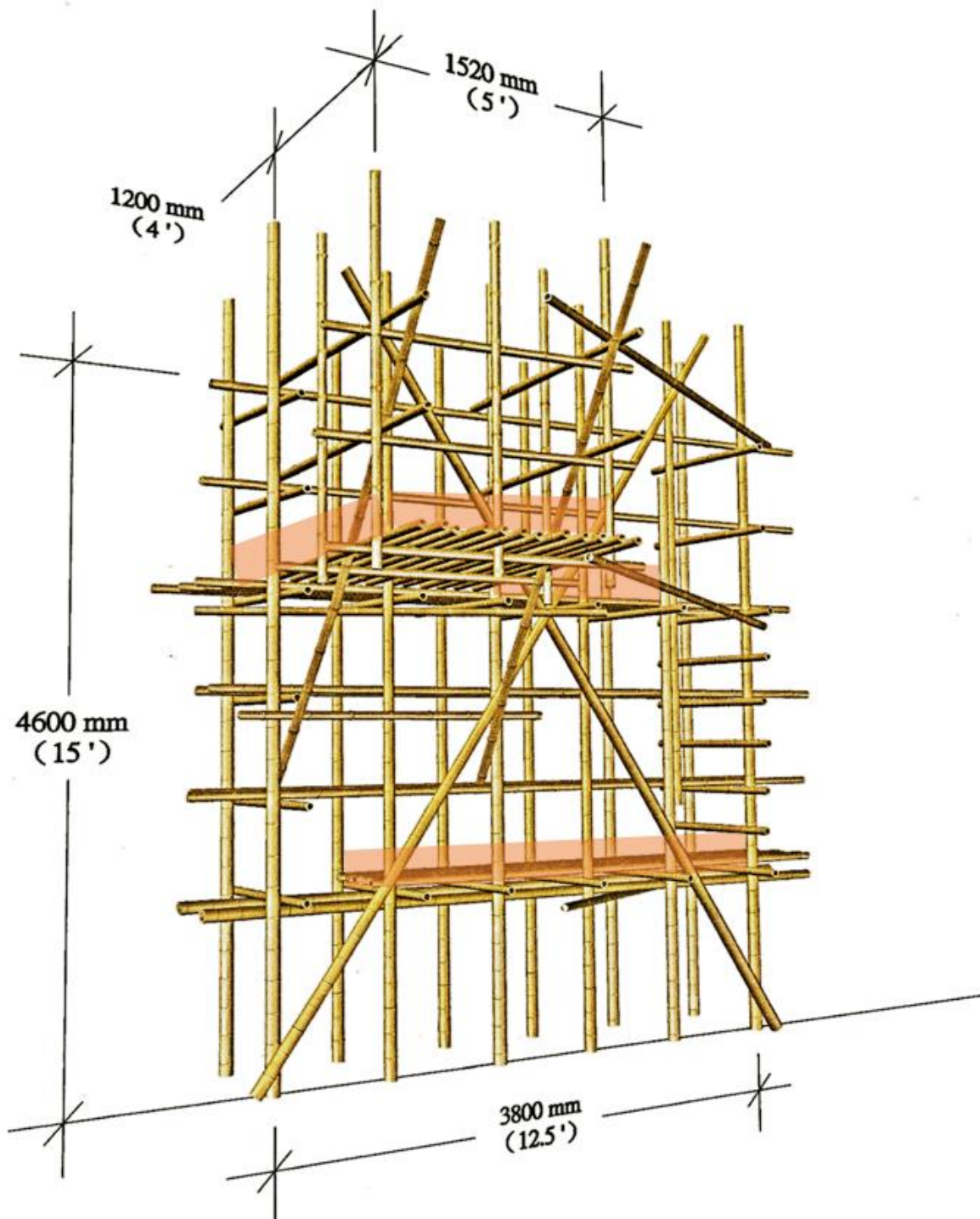
This document is provided as reference for test preparation only. Under all circumstances all content in the official test papers, including but not limited to the terms and conditions therein, prevails. There are different versions of the test paper, content include but not limited to tools, materials, equipment, drawing, construction details or procedures and different simulated site environments. Candidates should refer to the official test documents during testing.

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Specifications and Requirements for Bamboo Scaffolder Trade Test:

1. The Law of Hong Kong stipulates that all workers working at height (more than 2,000mm above the ground) must wear and use a safety belt. The safety belt should be connected to a stable point; or connected to an independent lifeline via a fall prevention device to prevent the human body from falling.
2. Every two components must be tightly attached to each other and wound at least 5 times for each degree of tying. There must be no looseness, twisting (reverse belly), cutting and abrasion, etc. The closing must be strong and tidy. The length of the tail protruding must be NO more than 80mm (3 inches) in compliance with regulations.
3. Bamboos used as posts, bracings and the base ledgers should be “Mao Jue” (large bamboo), the rest of the members should be “Kao Jue” (normal bamboo).
4. Outer Layer
 - i. The distance between two adjacent posts should be 750mm (2.5 feet).
 - ii. The distance between two ledgers should be 660mm (26 inches).
 - iii. Posts should be 900mm (3 feet) away from the wall.
 - iv. Bracing should be erected at 45°-60° from the horizontal level.
 - v. One of the posts should be joined for use, and with 3 joint-tying.
5. Inner layer
 - i. The distance between two adjacent posts should be 750mm (2.5 feet).
 - ii. The height of the lower lift transoms should be 1,200mm (4 feet) from the ground.
 - iii. The width of the working platforms should be 600mm (2 feet). Spacing between adjacent ledgers not more than 100mm (4 inches) wide.
 - iv. The parallel ledgers should be 300mm (1 foot) away from the wall.
 - v. The working platform and the toeboard on the scaffold should be closely planked
 - vi. The working platform on the scaffold should be provided with suitable guardrails.
6. Cantilever
 - i. To be erected by using rakers. Standards should not rest on the ground during erection.
 - ii. Two projecting layers should be symmetrical.
 - iii. Projection-ties should not be obstructive.
 - iv. Transoms of the base platform should be no more than 100mm (4 inches) apart.

Drawing for Bamboo Scaffolder Trade Test



Combination of Bamboo Scaffold

Drawing not to scale.

Notes to Candidate

1. Candidates should read the test papers carefully and ask the invigilator for any queries.
2. Practical test making scheme is based on the following criteria:
 - a. Understanding of drawing and specification
 - b. Preparation works before commencement of test
 - c. Working procedures, accuracy, quality of works and progress of works
 - d. Proper handling and use of materials
 - e. Proper use of tools and equipment
 - f. Housekeeping after completion of test
 - g. Safety precautions
3. Candidates should study the drawings and specifications attached to the test paper, if any, before the test begins.
4. Candidates should carry out the test according to test papers, working drawings and specifications provided.
5. Candidates shall bring their own safety shoes and appropriate workwear, other safety equipment will be provided by HKCITTC. Candidates must take all necessary safety precautions to ensure work safety.
6. All tools and materials required by the test will be provided by HKCITTC, candidates should check and ensure their adequacy and quality. All the tools must be returned to HKCITTC after the test. The candidates may ask the invigilator for any problems.
7. Candidates are required to handle and move the tools and materials for use in the test, and to carry out associated works.
8. All candidates must stop when time is up.
9. Candidates are required to return the test paper to invigilator after the test.
10. Invigilator will take record photos periodically during the test.
11. Candidates are not allowed to take any photo or video with cameras or mobile phones.
12. Candidates are not allowed to use their mobile phones during the trade tests, except for emergency situation.
13. Offering bribe to invigilator is an offence in law and HKCITTC will report to the ICAC for any such case.
14. Subject to certain situations and/or conditions of the date of event, trade tests/courses could be at any moment suspended or postponed at discretion of the invigilators. Examples of such situation/condition could be, but not limited to, (a) sudden operation disruptions to classrooms, test venues, test equipment or tools etc. due to unforeseeable mishaps; (b) sickness or injury of candidates, students or elated staff of the HKCITTC; (c) adverse weather condition. The HKCITTC will rearrange another appointment, for free, with the candidates/students affected. Whilst every effort is made to ensure the smooth running of trade test/courses, the HKCITTC will not resume any liability any loss/damage directly or indirectly related to such arrangement.

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.