



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Fire Service Mechanical Fitter Trade Test Mock Practical Test Paper

此文件關於消防機械裝配工工藝測試考題。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: Fire Service Mechanical Fitter

Grade: Skilled Worker

Test Contents: Complete the following two practical tasks in the specified location:
(please refer to the working drawing)

Task 1 Install fire hydrant and connect hose reel.

1. Prepare and install galvanized pipes in accordance with drawing no 1.
2. Install and connect galvanized pipefittings properly in accordance with drawing no 1.
3. Make a hole and split the galvanized pipe in the correct position in accordance with drawing no 1.
4. Install fire service inlet and associated fittings correctly.
5. Install a fire hydrant correctly.
6. Upon completion, perform a 15 bar (kgf/cm²) water pressure test with 15 minutes holding time.

Task 2 Install the pipes for a sprinkler valve core.

According to drawing no 2,

1. Install the pipes and associated fittings correctly in relation to the sprinkler valve core.
2. Upon completion, test the functionality of the entire system.

Requirements: 1. If the candidate cannot pass the water pressure test within the designated time period, the practical test will be marked as fail.

Duration: 3.5 hours

Notes:

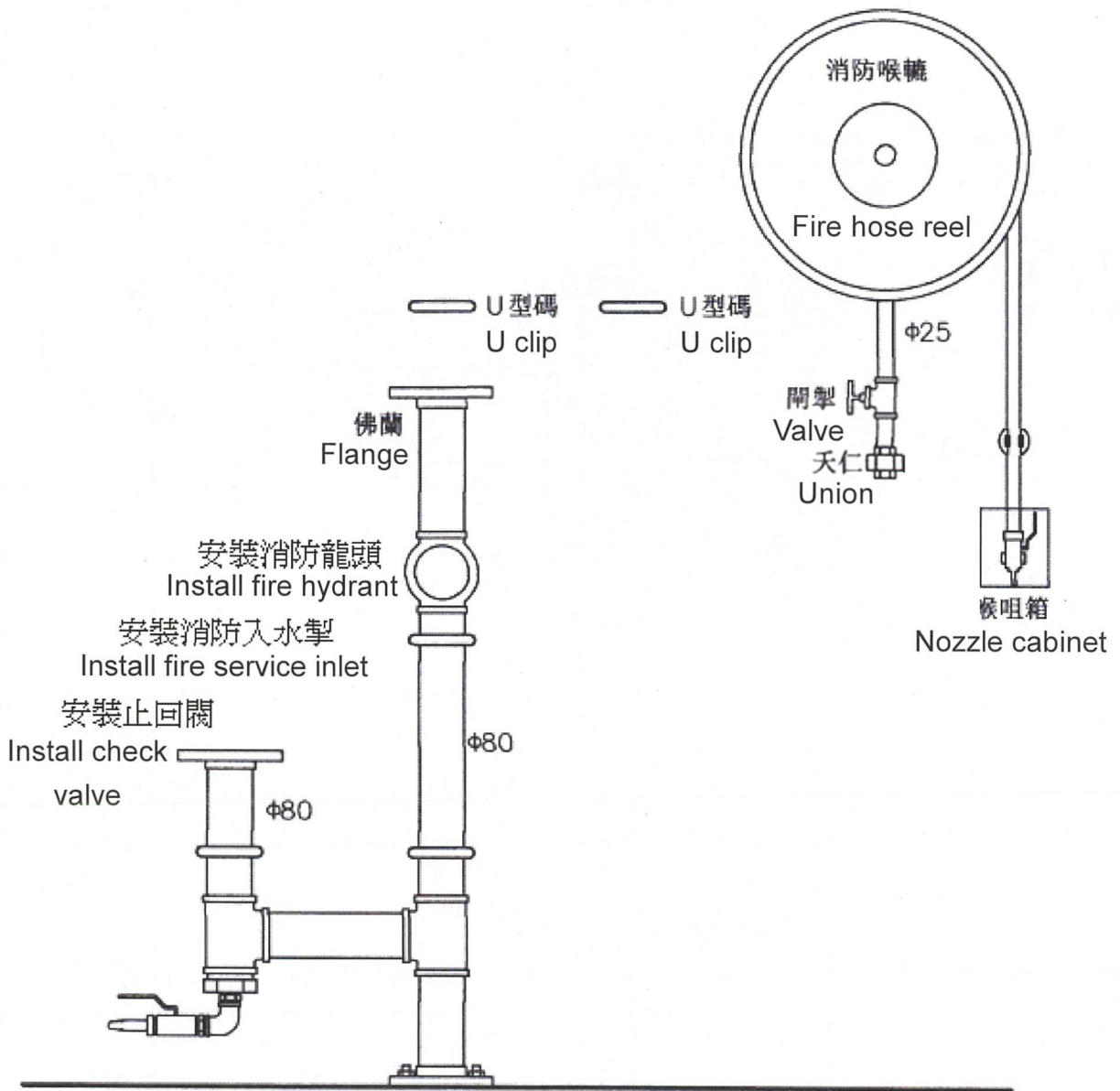
- (1) Candidate shall read the attached notes for candidate carefully;
- (2) Candidate will be marked as fail if he/she does not carry out safety precaution during the test;
- (3) After the test, clean up the venue and restore its original condition as instructed by the invigilators.
- (4) This test paper is divided into TWO tasks. Total score is 100. The minimum overall passing mark is 60.

Task 1: Install fire hydrant and connect hose reel

消防機械裝配工
Fire Service Mechanical Fitter

圖則一

Drawing no 1



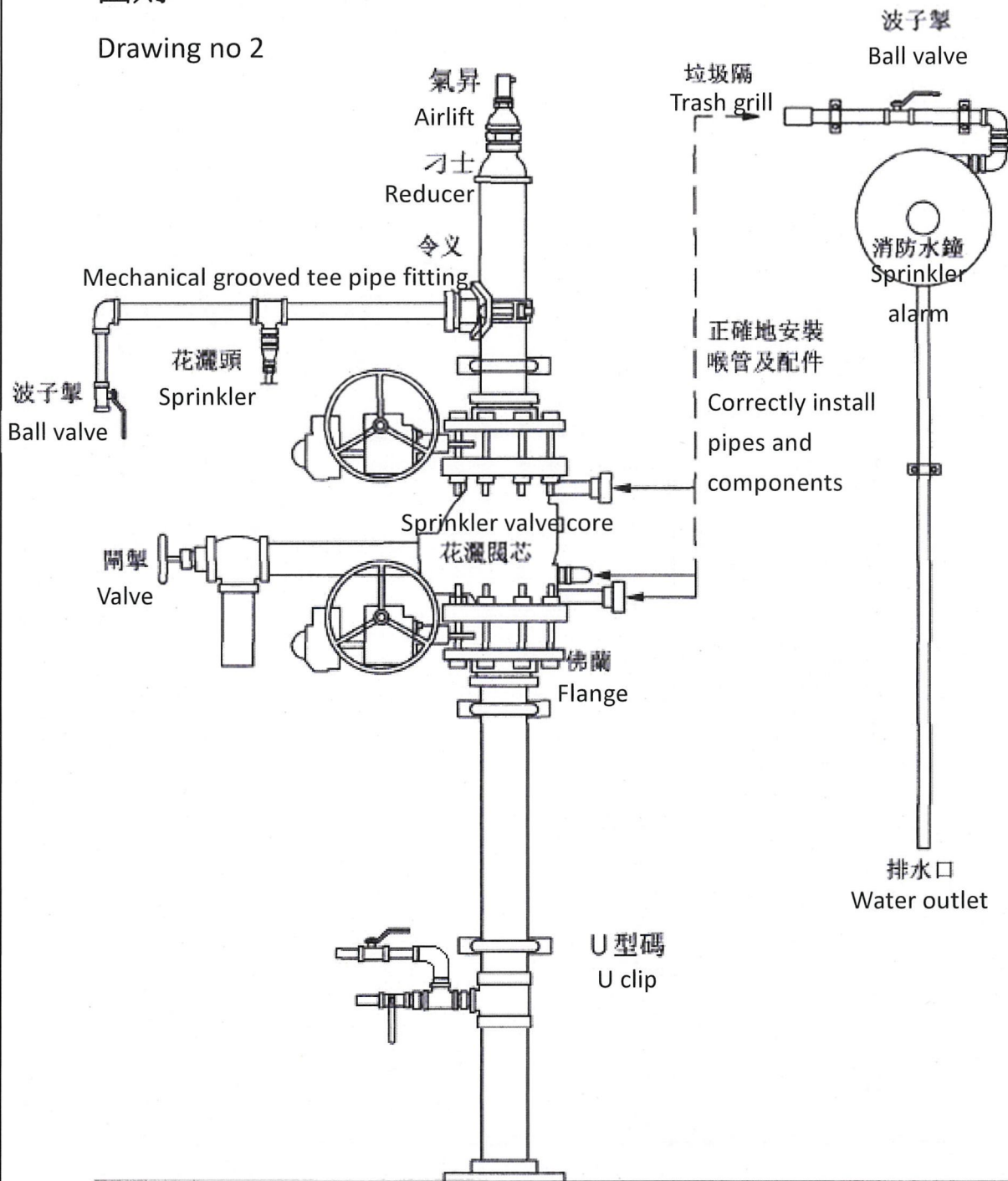
Task 2: Install the pipes for a sprinkler valve core

消防機械裝配工

Fire Service Mechanical Fitter

圖則二

Drawing no 2



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