

Window Frame Installer Skilled Trade Test Mock Practical Test Paper

此文件關於窗框工工藝測試考題。如有需要索取此文件的中文版本,請致電 2100 9232 與工藝測試中心聯絡。

Disclaimer

No part of this material may be reproduced or transmitted in any form or any means without the written permission of the CIC. Whilst reasonable efforts have been made to ensure the accuracy of the information contained in this material, the CIC nevertheless would encourage readers to seek appropriate independent advice from their professional advisers where possible and readers should not treat or rely on this material as a substitute for such professional advice for taking any relevant actions.

Enquiries

Enquiries on this Material may be made to the Trade Test Centre at:

95, Yue Kwong Road Aberdeen Hong Kong

Tel: (852) 2100 9232

Fax: (852) 2100 9249 Email: enquiry@cic.hk

Website: www.cic.hk

© 2017 Construction Industry Council.

Trade Test Paper

Job Title : Window Frame Installer

Grade: Skilled Worker

Test Content

: Complete the following items according to the drawing(s) at the designated location:

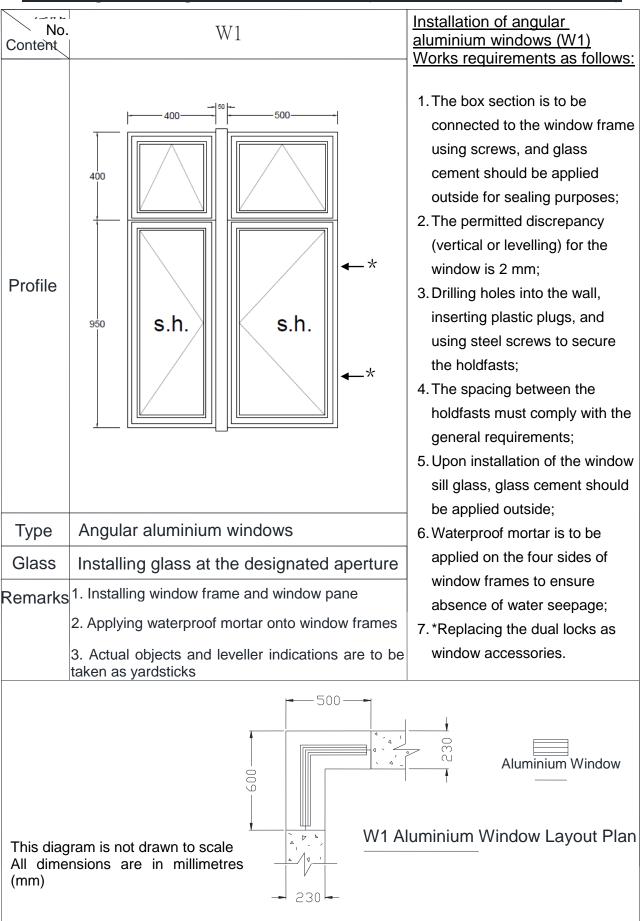
- Installing a set of angular aluminium windows (W1) according to the requirements of Working Drawing 1, with the tasks including: (50 marks)
- i) Calibrating and installing window frames according to the leveller and levelling requirements, and applying waterproof mortar on the four sides of window frames to ensure absence of water seepage:
- ii) Replacing the dual locks as window accessories;
- iii) Using hand tools to cut out a glass pane of designated dimensions;
- iv) Installing 5 mm-thick glass panes supplied at the test venue.
- II. Installing a planar steel window frame (W2) according to Working Drawing 2, the leveller and levelling requirements. (10 marks)
- III. Installing an aluminium door frame according to the requirements of Working Drawings 3 and 4, with the tasks including: (30 marks)
- Selecting appropriate materials and tools to assemble and install an aluminium door frame;
- ii) Installing the aluminium door frame, floor hinge and relevant accessories at the designated location, and then installing the aluminium door.
- IV. Performing inspection and acceptance on a set of pre-installed, completed aluminium windows, according to the items shown on the Aluminium Window Inspection Checklist. (10 marks)

Testing Time: 6 Hours (Excluding Lunchtime)

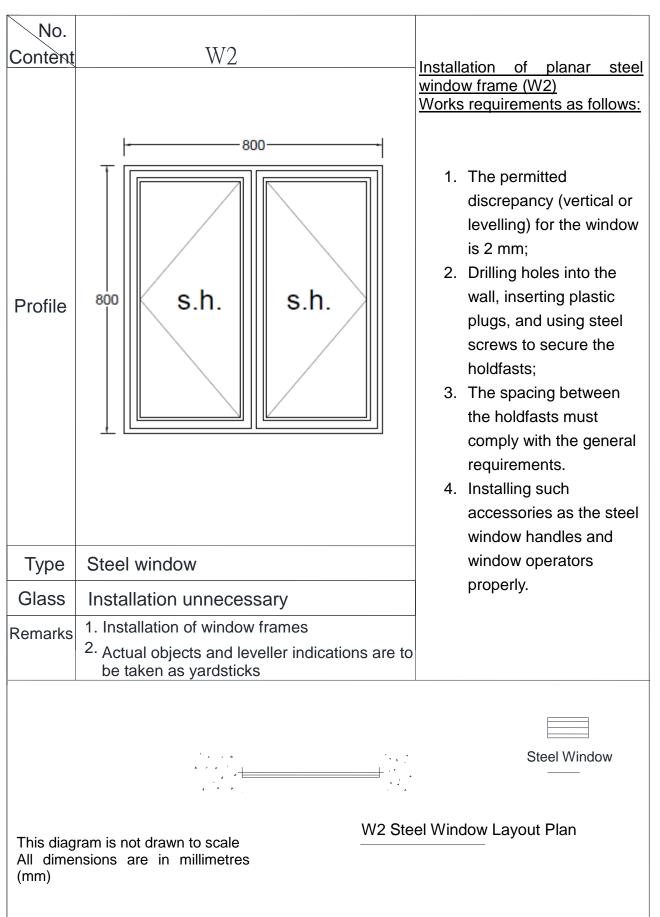
Notes: (1) Before commencement of work, candidates must read the attached "Notice to Candidates";

- (2) A candidate will be deemed as failed if he/she does not take appropriate safety measures in the testing process; and
- (3) The test paper consists of 6 pages with 100 points being the full score for all tested items, and 60 and plus the passing one.

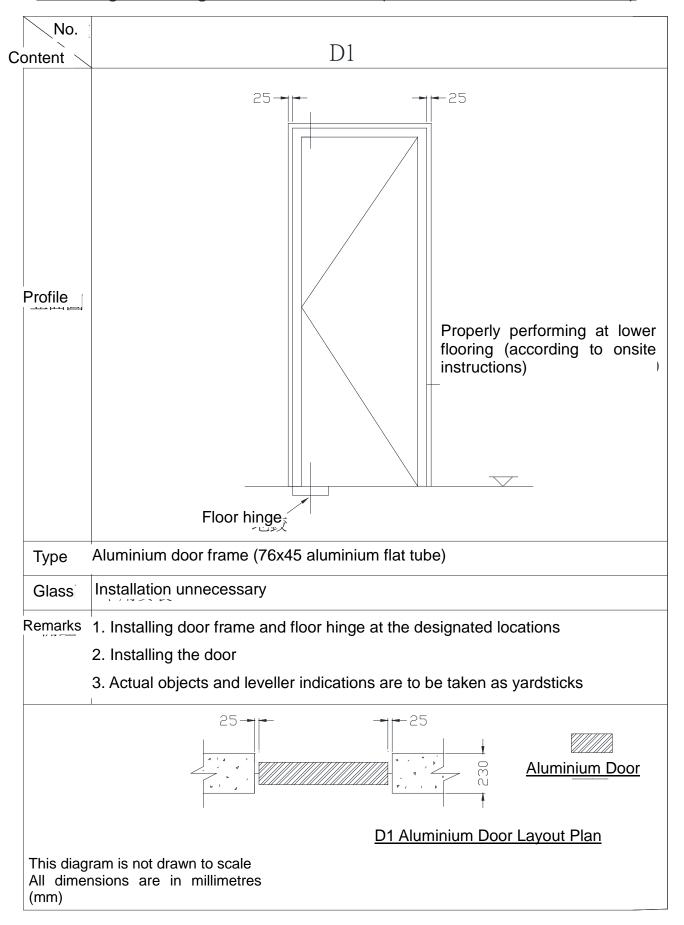
Working Drawing 1 for Trade Test (Window Frame Workers)



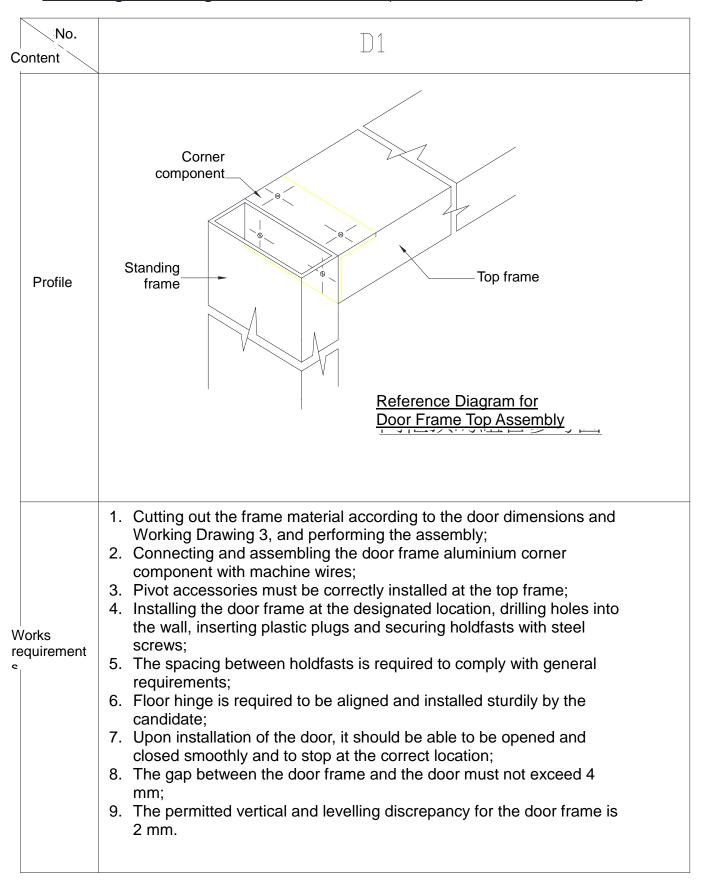
Working Drawing 2 for Trade Test (Window Frame Workers)



Working Drawing 3 for Trade Test (Window Frame Workers)



Working Drawing 4 for Trade Test (Window Frame Workers)



Aluminium Window Inspection Checklist

There are altogether 15 questions. Marks are calculated based on the following formula:

Marking		No. of correct questions
formula :	10 marks X	15

Remarks: Rounding to the nearest integer applies in the case of a decimal number

Aluminium Window Inspection Item		Pass	Failure
1	Status of window operator/window hinge		
2	Status of pop-rivets/screws on window frames		
3	Status of pop-rivets/screws on window pane		
4	Sturdy handles		
5	Status of waterproof gaskets		
6	Sturdiness of window aluminium tubes or status of		
	waterproof plastic		
7	Glass status		
8	Glass cement status		
9	Shape/position of holdfasts and sufficiency of the spacing		
	requirements for the screws fixing the window frame		
10	Closure status of the sliding window/casement window		
11	Status of linkage between the external frame edges and		
	the aperture, presence of any cracks or any		
	ineffectiveness of waterproof plastic on the frame edges		
12	Status of window catches, dual locks and cam locks		
13	Status of window frames		
14	Presence of any earth wire connecting to the window		
	frames		
15	Compliance of the cement mortar applied on the sides of		
	window frames		

Notes to Candidates:

- 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