

# Window Frame Installer 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 9000 與香港建造業工藝測試 中心聯絡。

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## Enquiries

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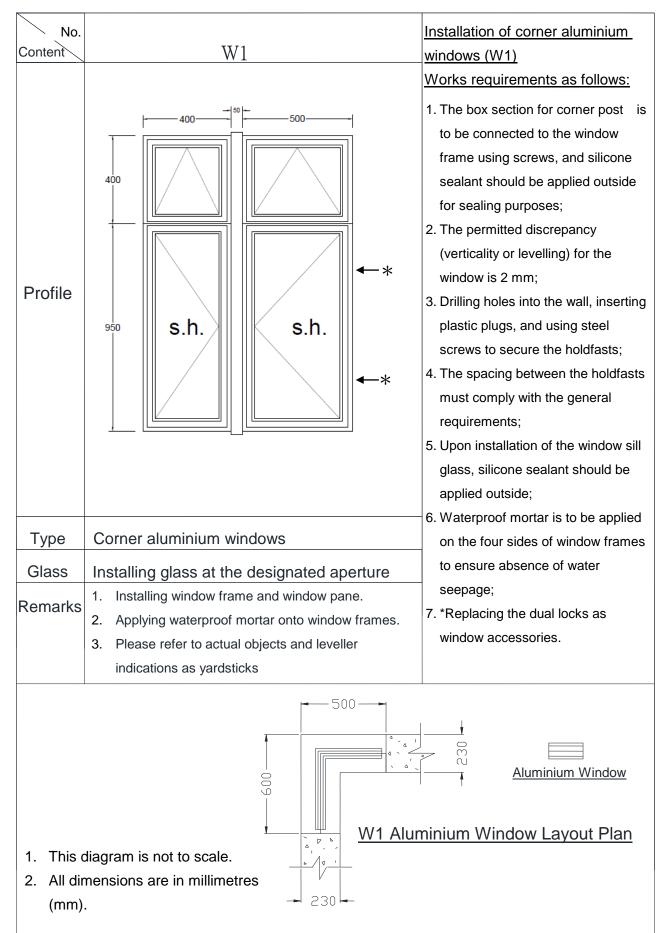
## Trade Test Paper

Trade	:	Window Frame Worker
Grade	:	Skilled Worker
Test Content	:	Complete the following items in accordance with the drawing(s) at the designated location:
	1.	Installing a set of corner aluminium windows (W1) in accordance with the requirements set out in Working Drawing 1, with following tasks: (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.
	2.	Installing a set of aluminium sliding window (W2) in accordance with Working Drawing 2, the leveller and levelling requirements. (10 marks)
	3.	Installing an aluminium door frame in accordance with the requirements of Working Drawings 3 and 4, with following tasks including: (30 marks)
	i)	Selecting appropriate materials and tools to assemble and install

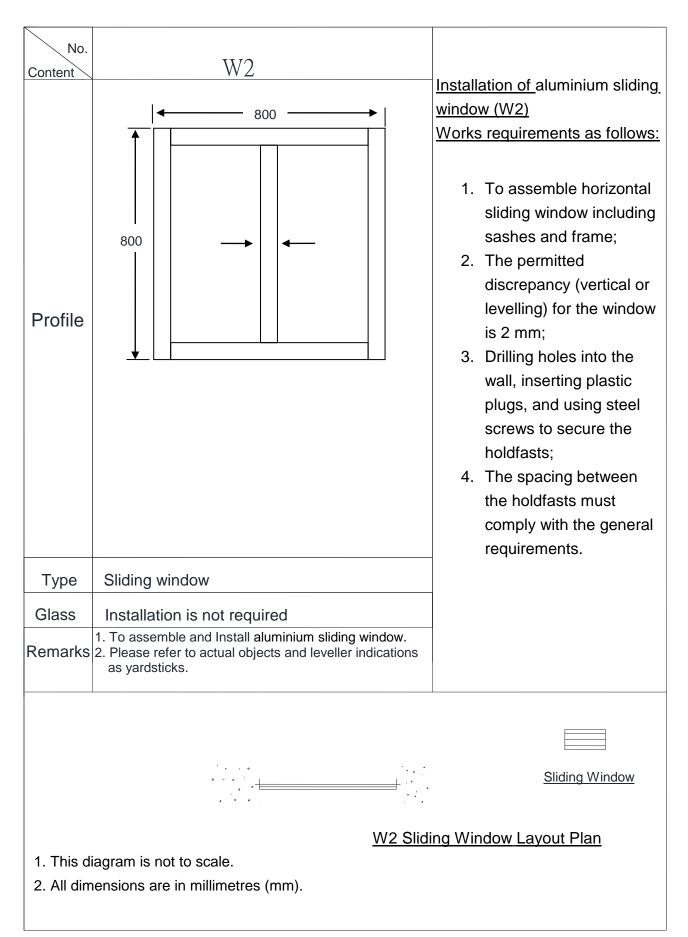
aluminium door frame;

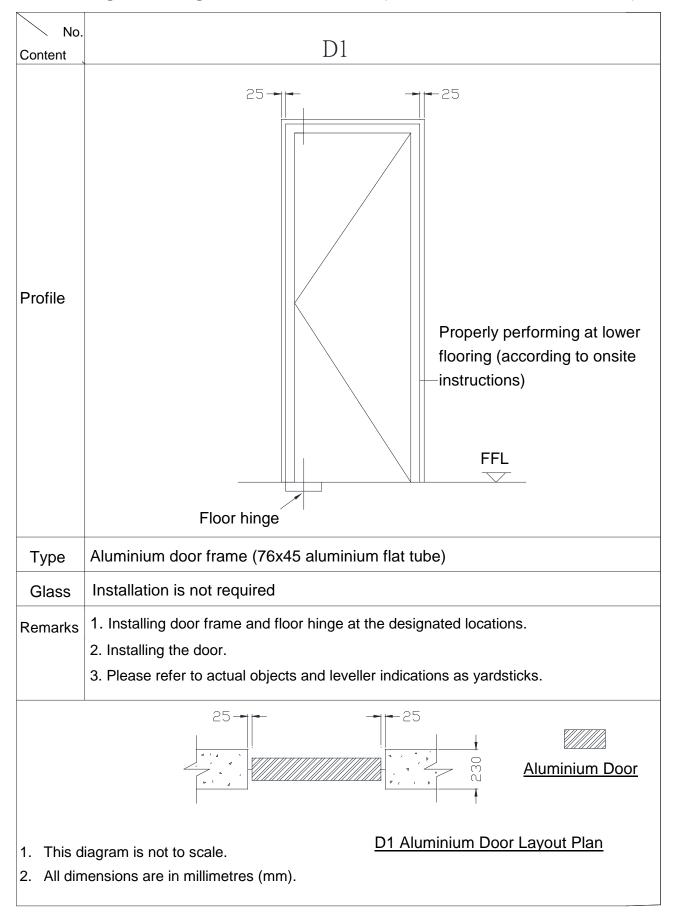
- ii) Installing the aluminium door frame, floor hinge and relevant accessories at the designated location, and then installing the aluminium door.
- 4. According to the "Aluminium Window Inspection Checklist", performing inspection and acceptance on a set of pre-installed aluminium windows. (10 marks)
- Test Time: Six hours (Excluding lunch time)
- Notes:
- Candidate should read the attached "Notes to candidate" before commencement of work.
- (2) Candidate will be assessed as fail if he / she conducts the test without necessary safety precautions and / or conduct works in any dangerous situations.
- (3) There are 8 pages. Total score is 100. Passing mark is 60.

# Working Drawing 1 for Trade Test (Window Frame Workers)

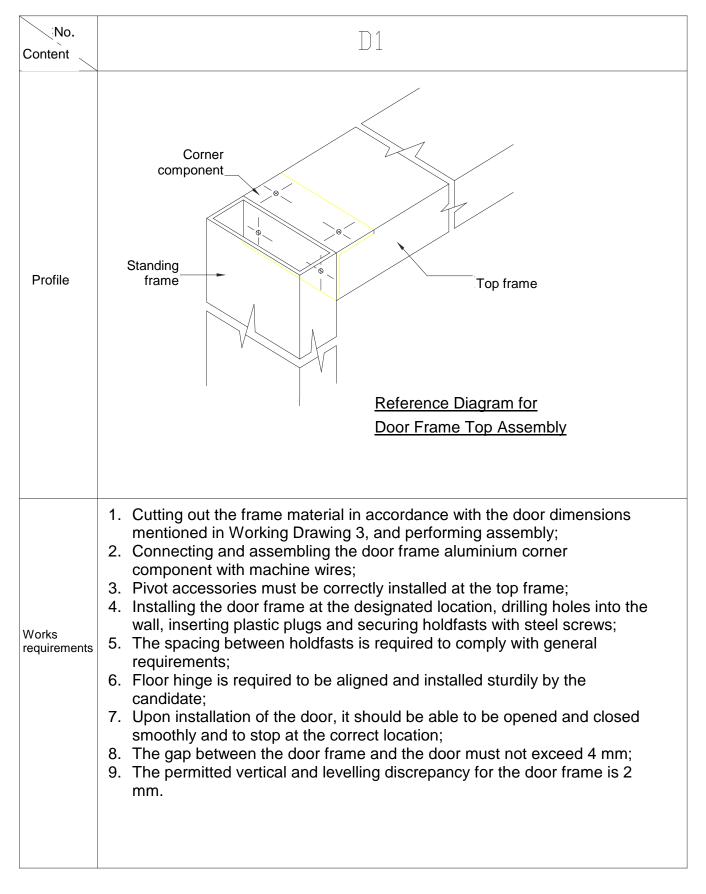


# Working Drawing 2 for Trade Test (Window Frame Workers)





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

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

Aluminium Window Inspection Item			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	silicone sealant 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 Candidate

- 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 the test paper, 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. House keeping 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