

# **Window Frame Installer Intermediate Trade Test Mock Practical Test Paper**

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### Intermediate Trade Test Paper

Post : Window Frame Installer

Grade : Semi Skilled Worker

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

I. Installing a set of angular aluminium window frames (W1) according to Working Drawing 1, the leveller and levelling requirements;  
(40 marks)

II. Installing a planar steel window frame (W2) according to Working Drawing 2, the leveller and levelling requirements;  
(30 marks)

III. Installing a stainless steel self-closing door and frame (D1) according to Working Drawing 3, the leveller and levelling requirements.  
(30 marks)

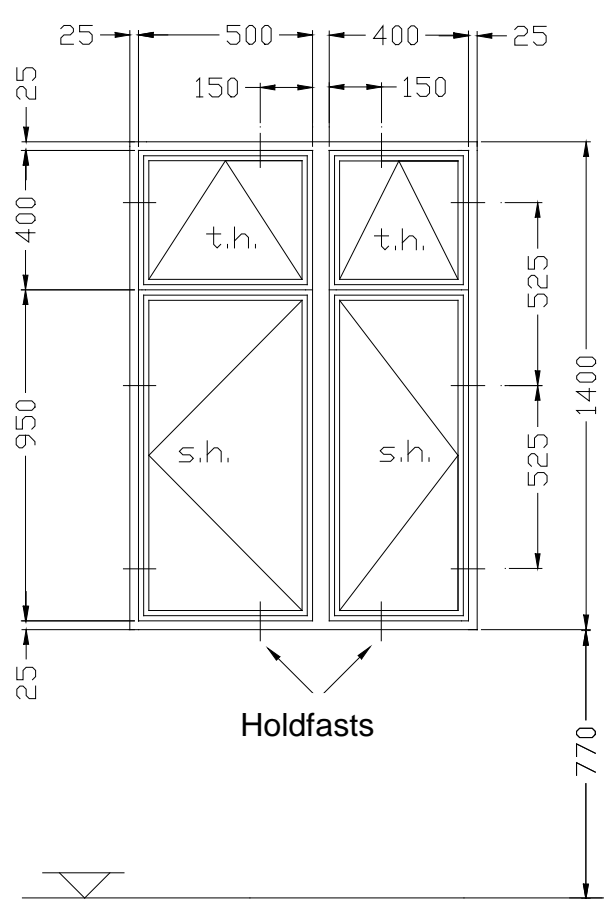
Duration : 3 Hours

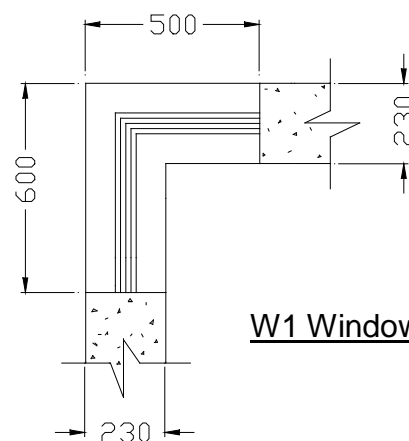
Notes : ( A ) Candidate should read the attached “Notes to candidate” before commencement of work.

( B ) Candidate will fail if he conducts the test without safety precautions.

( C ) There are 5 pages. Total score is 100. Passing mark is 60.

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

No. Content	W1	
Profile	 <p>The elevation drawing shows a window frame with two vertical sections. Each section has a top half with two triangular glass panes labeled 't.h.' and a bottom half with a single large triangular glass pane labeled 's.h.'. Dimensions include: top horizontal spacing (25, 500, 400, 25), top vertical spacing (25, 400), middle vertical spacing (150, 150), bottom vertical spacing (525, 525), and overall dimensions (950, 1400, 770). Arrows point to the bottom corners labeled 'Holdfasts'. A small triangle symbol is at the bottom left.</p>	<p><u>Installation of angular aluminium window frame (W1)</u>  <u>Works requirements as follows:</u></p> <ol style="list-style-type: none"> <li>1. Angular window materials (box sections) have to be connected with window frame using screws;</li> <li>2. Temporarily securing and fixing the window frame with a wooden wedge;</li> <li>3. Installing 10 holdfasts to secure the window frame;</li> <li>4. The permitted discrepancy (vertical or levelling) for the window is 3 mm.</li> </ol>
Type	Angular aluminium window	
Glass	Installation unnecessary	
Remarks	Installation of window frames	



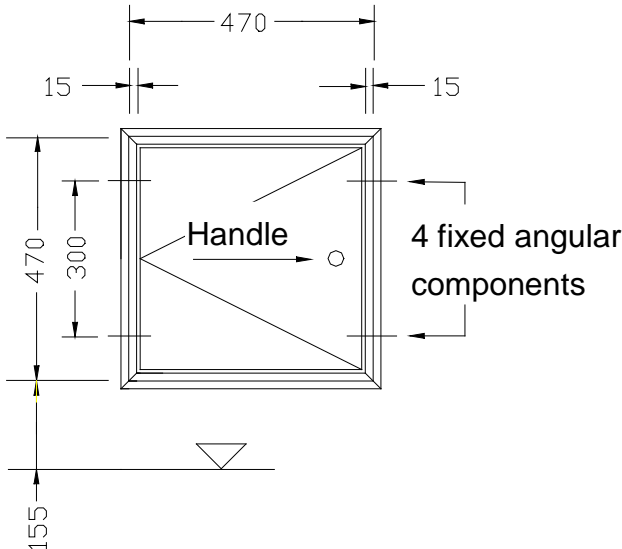
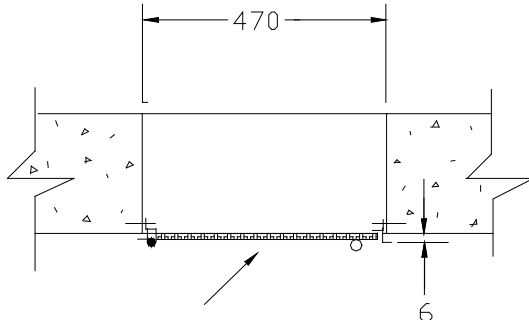
W1 Window Layout Plan

This diagram is not drawn to scale  
 All dimensions are in millimetres (mm)

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

<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <span>No.</span> <span>W2</span> </div> <div style="border-top: 1px solid black; height: 40px; margin-top: 5px;"></div> </div>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> </div>	<p><u>Installation of planar steel window frame (W2)</u></p> <p><u>Works requirements as follows:</u></p> <ol style="list-style-type: none"> <li>1. Temporarily securing and fixing the window frame with a wooden wedge;</li> <li>2. Installing 10 holdfasts to secure the window frame;</li> <li>3. The permitted discrepancy (vertical or levelling) for the window is 3 mm.</li> </ol>
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <span>Type</span> <span>Steel window</span> </div> <div style="border-top: 1px solid black; margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <span>Glass</span> <span>Installation unnecessary</span> </div> </div> <div style="border-top: 1px solid black; margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <span>Remarks</span> <span>Installation of window frames</span> </div> </div> </div>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> </div>	
<div style="border: 1px solid black; padding: 10px;"> <p>This diagram is not drawn to scale All dimensions are in millimetres</p> </div>		<p style="text-align: center;"><u>W2 Window layout</u></p>

Working Drawing 3 for Intermediate-level Trade Test (Window Frame Workers)

No.	D1	
Content	<u>Installation of stainless steel self-closing door and frame (D1)</u> <u>Works requirements as follows:</u>	
Profile		<ol style="list-style-type: none"><li>1. Connecting the stainless steel door fitted with row hinge and the door frame assembly using pop-rivets;</li><li>2. Installing the stainless steel door and frame at the aperture;</li><li>3. Securing the frame onto the wall using angular components;</li><li>4. The planar gap between the frame and the wall must be 6 mm;</li><li>5. Installing the handle and magnetic latch onto the door and frame respectively;</li><li>6. The profile gap between the frame and the aperture is approximately 15 mm.</li></ol>
Type	Stainless steel door	
Remarks	Installation of door frame and door	
 <p>Stainless steel self-closing door</p> <p><u>D1 Door Layout Plan</u></p> <p>This diagram is not drawn to scale All dimensions are in millimetres (mm)</p>		

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
  - 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.

<p><b>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</b></p>
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