Test Project Joinery
Flat module

WSC2011_TP25_HU_EN

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TABLE OF CONTENTS

This Test Project proposal consists of the following documentation/files:

WORKING INSTRUCTIONS

This test project is a flat module.

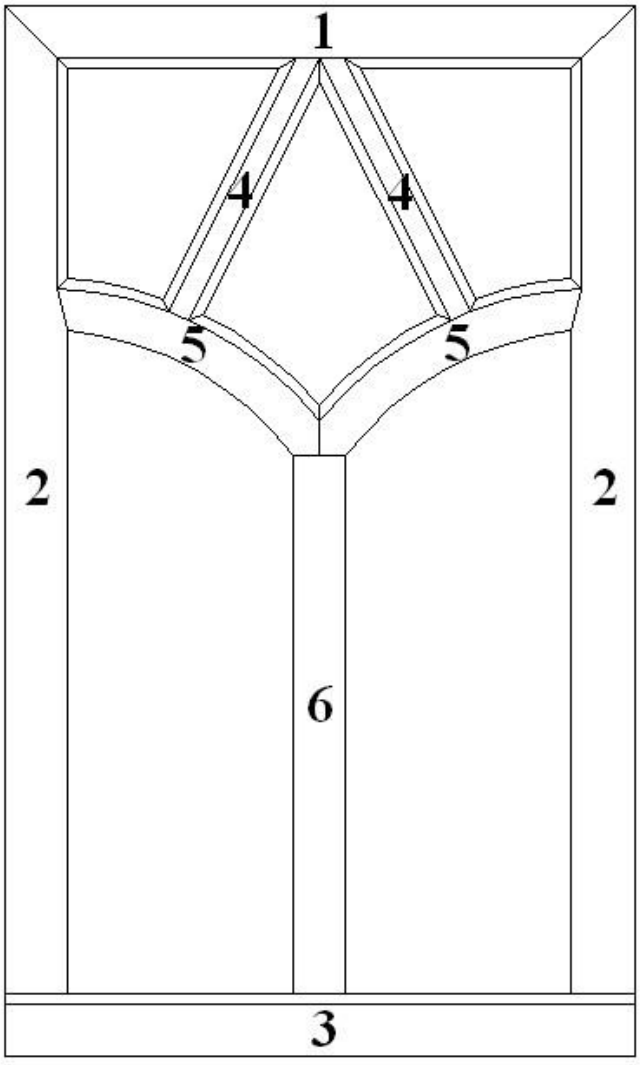
This test project represents a 2D shape. It is a door that is made using common joints used in joinery.
This test project is designed for the competition as a reduced sized door that is made using traditional joinery work.
This is an eleven hour project. The drawing is going to be marked at the end of the first day. Competitors can use hand tools and machine tools when making the project.

Complete the task as below.

1. Check the materials given at the competition.
2. Material supplied to each competitor can only be exchanged in the half hour before the competition begins. Any exchange or request for additional material will incur a loss of points as set out in the Marking Scale.
3. Draw a full size front view of the window frame project but no need to draw sections.
4. Your drawing will be marked at the end of the first day.
5. Internal joints to be marked before assembly.
6. All other marking areas will be marked at the end of the second day.
7. The time limit for the test project is 11 hours.
8. Extensions of time can only be granted for sickness and accident delays. This is at the discretion of the Chief Expert.
9. Competitors can use all the tools and machines for completing the test project. However, templates that could benefit competitors are not to be used.
10. Competitors should be careful with time management. Remember that incompletion of the test project can make marks lower.
11. The competitors can request to calibrate measuring instruments by experts.

MATERIALS LIST FOR THE WORKSHOP SUPERVISOR TO PREPARE THE MATERIALS

Item	Designation	Wood	Quantity	Length	Width	Thickness	Notes
Module Flat							
1	Top rail	Oak	1	620	60	40	
2	Stile	Oak	2	1020	60	40	
3	Bottom rail	Oak	1	620	60	56	
4	Bar	Oak	2	350	40	40	
5	Intermediate rail	Oak	2	400	140	40	
6	Middle rail	Oak	1	650	50	40	
7	Drawing	MDF	1	1200	900	12	
8	For template	MDF	1	1000	300	12	
9	For testing	Oak	2	600	75	55	



MARKING SCHEME

Marking criteria for the competitors showing divisions A-G

Section	Criterion	Subjective	Objective	Points
A	Drawing – setting out	3	2	5
B	Internal joints	10		10
C	External joints		12.5	12.5
D	Finish and appearance	7	3	10
E	Conformity		2.5	2.5
F	Measurement		7.5	7.5
G	Material		2.5	2.5
Total		20	30	50

Detailed Marking criteria A-B

			subjective	objective	points
A	**Drawing – setting out**	Line work Joint Details Measurements	1.5 1.5	2	5.0
		Sub Total			5.0
			subjective	**objective**	**points**
B	**Internal joints**	Position A Position B Position C Position D Position E Position F Position G Position H Position I Position J Position K	1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.75 0.75 1.0 0.5		10.0
		Sub Total			10.0

Detailed marking criteria C

			subjective	objective	points
C	**External joints**	Position A Position B Position C Position D Position E Position F Position G Position H Position I Position J Position K		1.25 1.25 1.0 1.0 1.25 1.25 1.5 1.0 1.0 1.5 0.5	12.5
		Sub Total			**12.5**

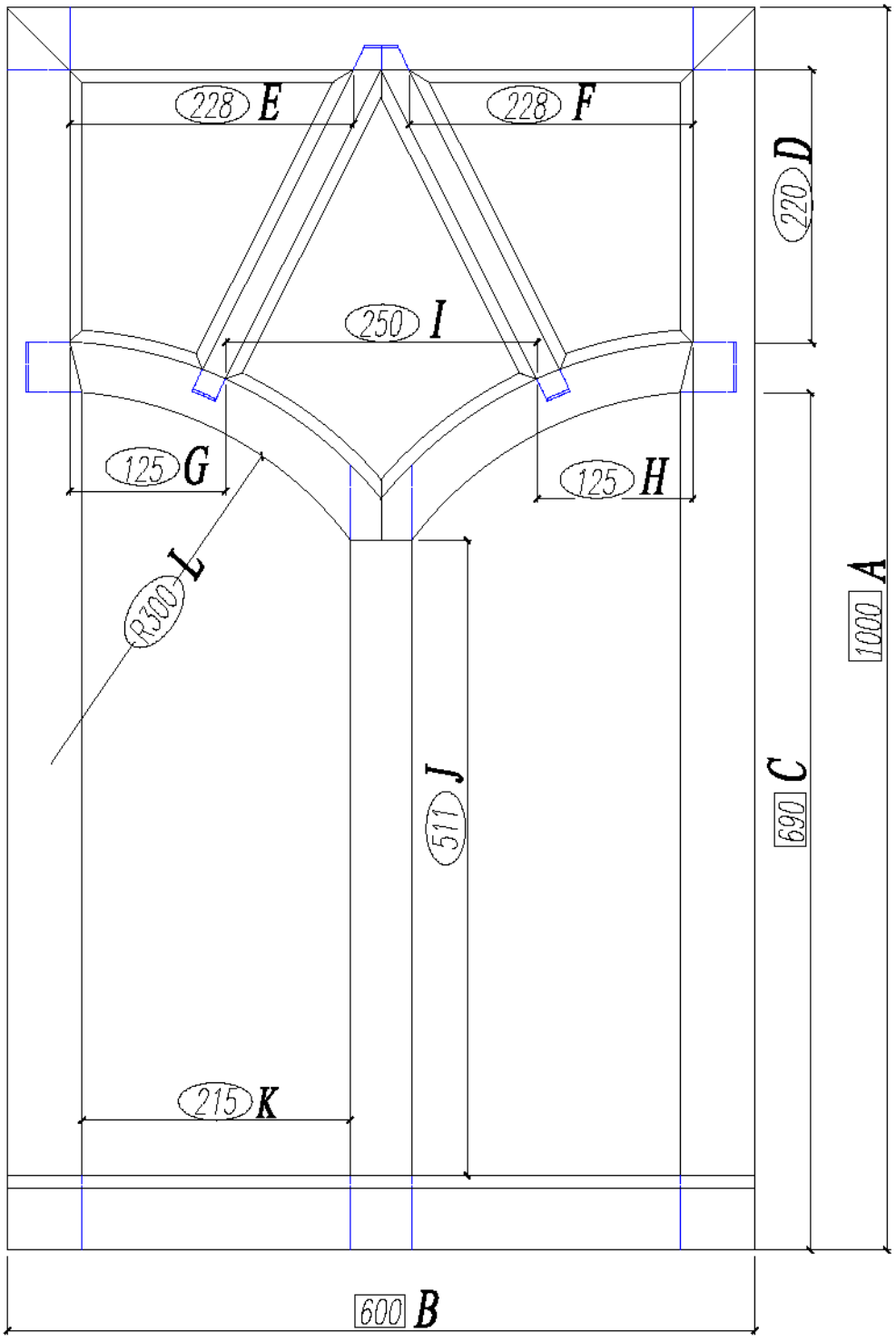
Detailed marking criteria D-E

			subjective	objective	points
D	**Finish & Appearance**	Curved shapes Surface finish Edge finish Twist Squareness	2.0 3.0 2.0	 1.5 1.5	10
		Sub Total			**10**
			subjective	**objective**	**points**
E	**Conformity**	Missing bars and rails Other non conformities		1.0 1.5	2.5
		Sub Total			**2.5**

Detailed marking criteria F-G

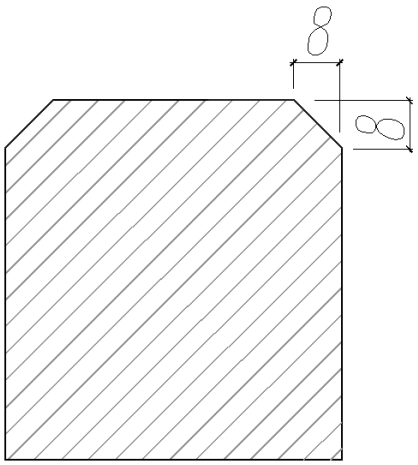
			subjective	objective	points
F	**Measurement**	Position A (PD) 1000 Position B (PD) 600 Position C (PD) 690 Position D (SD) 220 Position E (SD) 228 Position F (SD) 228 Position G (SD) 125 Position H (SD) 125 Position I (SD) 250 Position J (SD) 511 Position K (SD) 215 Position L (SD) R300		1.5 1.5 1.5 0.25 0.25 0.25 0.25 0.25 0.25 0.5 0.5 0.5	7.5
		Sub Total			**7.5**
			subjective	**objective**	**points**
G	**Material**	First spare part Second part		1.5 1.0	2.5
		Sub Total			**2.5**
		Grand Total			**50**

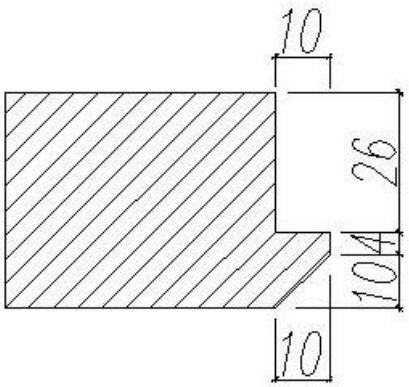
ELEVATION SHOWING MEASUREMENTS FOR MARKING



PHOTOS OF THE PROJECT

MACHINE TOOLING REQUIREMENTS





ELEVATIONS SHOWING JOINTS FOR MARKING