

# Test Project Joinery Flat module

TP25\_40CA\_actual\_flat\_EN

Submitted by:

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## **DESCRIPTION OF PROJECT AND TASKS**

This is an eleven hour project comprising of two modules. Module one is a full size drawing and module two is the setting out, forming joints and making of the doorframe. Module one is to be marked at the end of the first day. Competitors can use hand tools and machine tools when making Module two. Module two will be marked at the end of the eleven hours of competition.

## **INSTRUCTIONS TO THE COMPETITOR**

This test project is a flat module. Complete the task as below.

1. Draw a full size front view of the door frame project.
2. No need to draw sections.
3. Your drawing will be marked at the end of day one (1).
4. Internal joints to be marked before assembly.
5. All other marking areas will be marked at the end of day two (2).
6. 60 minutes will be given when requested as gluing time.
7. The time limit for the test project is 11 hours.
8. Check the materials given at the competition.
9. Competitors can use all the tools and machines for completing the test project. However, templates and tools that could benefit competitors are not to be used.
10. Competitors should be careful with time management. Remember that incompleteness of the test project can make marks lower.
11. The competitors' measuring instruments and the experts' measuring instruments should be same. If it is impossible, competitors have to give their measuring instruments for the accurate marking.

## **MATERIALS**

NO	Designation	Wood	Quantity	Length	Width	Thickness
<b>Module Flat</b>						
1	Top rail		2	500	120	50
2	Stile		2	1150	55	50
3	Bottom rail		1	850	55	75
4	Bar		1	800	45	50
5	Intermediate rail		1	750	170	50
6	Dovetail		1	110	37	25
7	Drawing	M.D.F	1	1800	1100	12
8	For template	M.D.F	2	800	300	12
9	For testing	Lauan	1	550	75	55
10	"	Lauan	2	550	55	50

## MARKING SCHEME

### Marking criteria for the competitors showing divisions A-G

		Subjective	Objective	Points
<b>A</b>	Drawing	6.5	3.5	10
<b>B</b>	Internal joints	8.5		8.5
<b>C</b>	External joints		10.4	10.4
<b>D</b>	Finish and appearance	6	4	10
<b>E</b>	Conformity		2.5	2.5
<b>F</b>	Measurement		6.1	6.1
<b>G</b>	Material		2.5	2.5
<b>Total</b>		21	29	50

### Detailed Marking criteria A-B

			subjective	objective	points
<b>A</b>	<b>Drawing</b>	Linework	2.5	3.5	10.0
		Joint Details	2.5		
Cleanliness	1.5				
Measurements					
		<b>Sub Total</b>			10.0
			subjective	objective	points
<b>B</b>	<b>Internal joints</b>	Position A	1.0		8.5
		Position B	1.0		
		Position C	0.75		
		Position D	0.75		
		Position E	1.0		
		Position F	1.0		
		Position G	1.0		
		Position H	0.5		
		Position I	0.5		
		Position J	0.5		
		Position K	0.5		
		<b>Sub Total</b>			8.5

**Detailed marking criteria C**

			subjective	objective	points
<b>C</b>	<b>External joints</b>	Position A		1.15	10.4
		Position B		1.15	
		Position C		1.0	
		Position D		1.0	
		Position E		1.15	
		Position F		1.15	
		Position G		1.0	
		Position H		0.7	
		Position I		0.7	
		Position J		0.7	
		Position K		0.7	
<b>Sub Total</b>					<b>10.4</b>

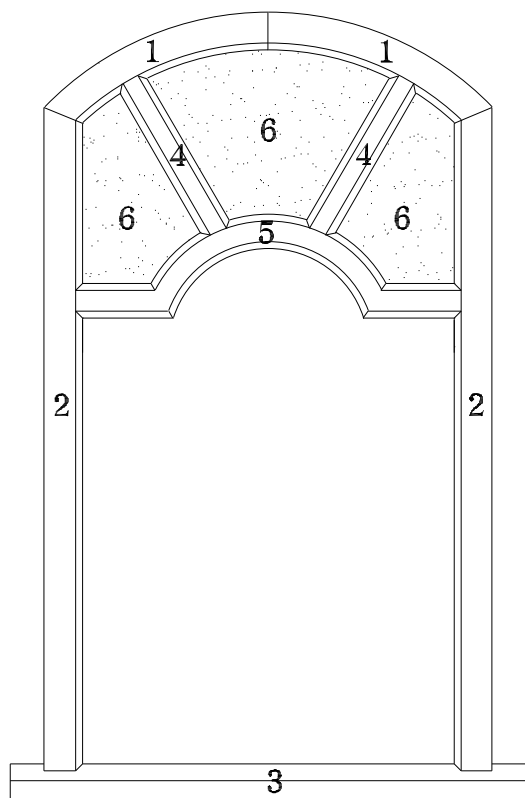
**Detailed marking criteria D-E**

			subjective	objective	points
<b>D</b>	<b>Finish &amp; Appearance</b>	Curved shapes	2.0		10
		Surface finish	2.5		
		Edge finish	1.5		
		Twist		2.0	
		Squareness		2.0	
<b>Sub Total</b>					<b>10</b>
<b>E</b>	<b>Conformity</b>		subjective	objective	points
		Missing bars and rails		1.0	2.5
		Other non conformities		1.5	
<b>Sub Total</b>					<b>2.5</b>

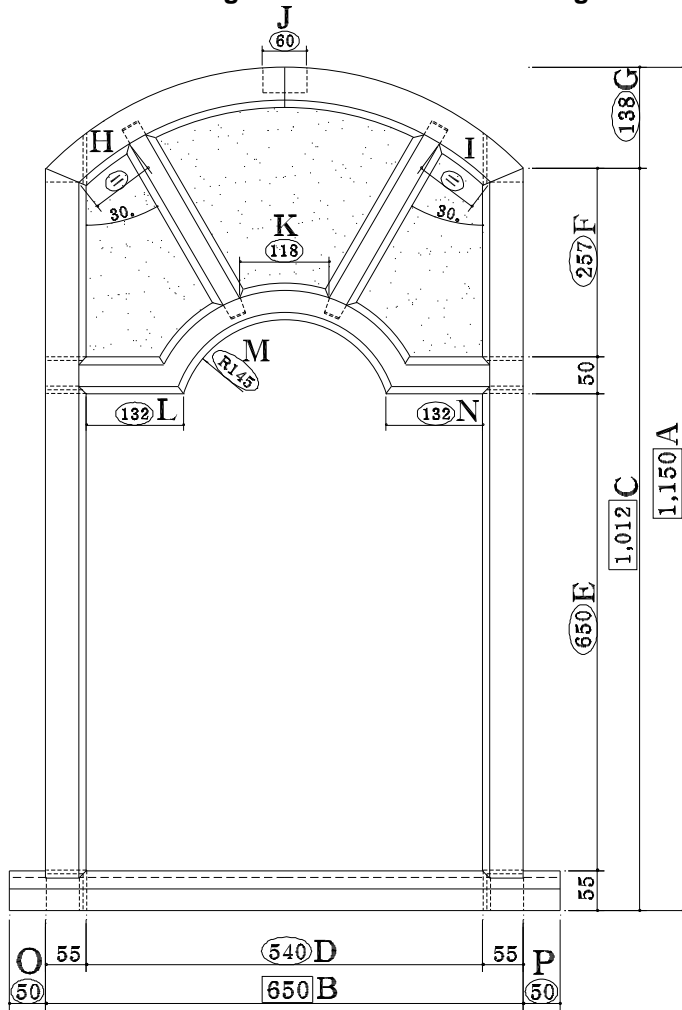
**Detailed marking criteria F-G**

			subjective	objective	points
<b>F</b>	<b>Measurement</b>	Position A(PD) 1152		1.0	6.1
		Position B(PD) 650		1.0	
		Position C(PD) 1012		1.0	
		Position D(SD) 540		0.5	
		Position E(SD) 650		0.25	
		Position F(SD) 257		0.25	
		Position G(SD) 140		0.25	
		Position H(SD) equal		0.25	
		Position I(SD) equal		0.25	
		Position J(SD) 60		0.25	
		Position K(SD) 118		0.25	
		Position L(SD) 132		0.15	
		Position M(SD) 144		0.15	
		Position N(SD) 132		0.25	
		Position O(SD) 50		0.15	
		Position P(SD) 50		0.15	
		<b>Sub Total</b>			
<b>G</b>	<b>Material</b>	First spare part		1.5	2.5
		Second part		1.0	
		<b>Sub Total</b>			
<b>Grand Total</b>					<b>50</b>

Elevation showing project materials



Elevations showing measurements for marking



**Photographs of project**



Elevations showing joints

