

Test Project

WSC2013_TP25_ES_actual_EN

Submitted by:

Name: Ricardo Arnau

Member Country: Spain

Proposed amendment submitted by:

Name: Jose Fonseca

Member Country: France

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

1. WSC2013_TP25_FR_EN.doc
2. WSC2013_TP25_FR_01_EN.dwg
3. WSC2013_TP25_FR_02_EN.dwg
4. WSC2013_TP25_FR_03_EN.dwg
5. WSC2013_TP25_FR_04_EN.dwg
6. WSC2013_TP25_FR_05_EN.dwg
7. WSC2013_TP25_FR_06_EN.dwg
8. WSC2013_TP25_FR_07_EN.dwg
9. WSC2013_TP25_FR_01_EN.pdf
10. WSC2013_TP25_FR_02_EN.pdf
11. WSC2013_TP25_FR_03_EN.pdf
12. WSC2013_TP25_FR_04_EN.pdf
13. WSC2013_TP25_FR_05_EN.pdf
14. WSC2013_TP25_FR_06_EN.pdf
15. WSC2013_TP25_FR_07_EN.pdf

3 - INTRODUCTION

This 2D project is designed to make a door that is useful for any wall. In order to complete this project, competitors are required to perform variety of joint skills. Allowing time for completing this project is 11 hours and appropriate tools and machines can be used to complete the work.

4 - DESCRIPTION OF PROJECT AND TASKS

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 door that is made using traditional joinery work. Each joint uses common joint used in joinery.

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 the door. 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 hour competition.

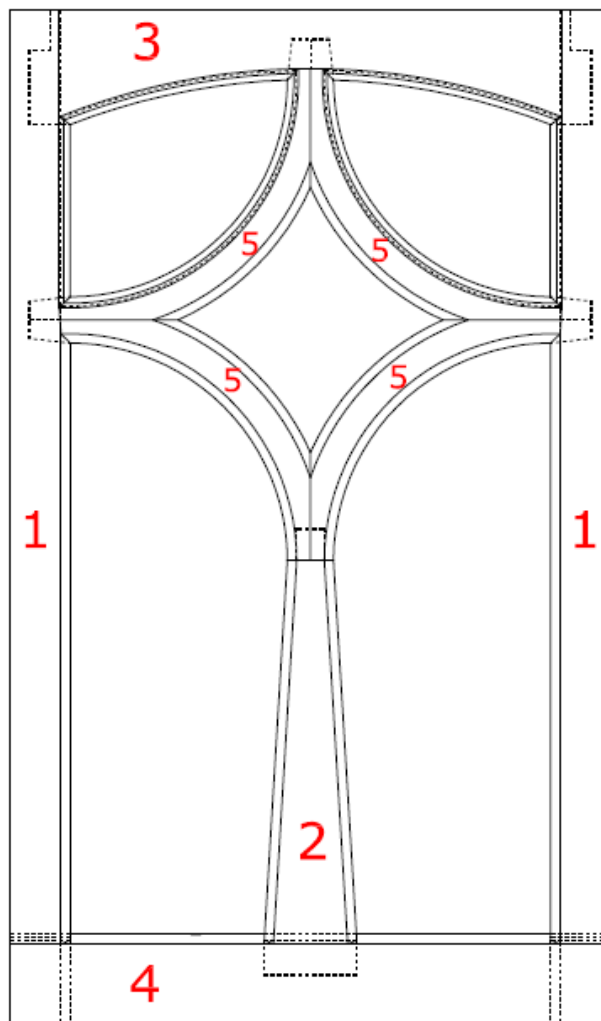
5 - INSTRUCTIONS TO THE COMPETITOR

Complete the task as below.

1. Draw a full size front view of the door project but no need to draw sections.
2. Your drawing will be marked at the end of the first day.
3. Internal joints to be marked before assembly.
4. All other marking areas will be marked at the end of the second day.
5. The time limit for the test project is 11 hours.
6. Extensions of time can only be granted for sickness and accident delays. This is at the discretion of the Chief Expert.
7. Check the materials given at the competition.
8. 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.
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 can request to calibrate measuring instruments by experts. The competitors can give their measuring instruments to expert for the accurate marking after competition.

6 - ELEVATION SHOWING PROJECT MATERIALS

Item	Designation	Wood	Quantity	Length	Width	Thickness	Notes
Module Flat							
1	Stiles	Oak	2	1100	65	36	
2	Intermediate Stile	Ash	1	481	100	36	
3	Top rail	Oak	1	610	123.5	36	
4	Bottom rail	Oak	1	650	100	36	
5	Curves	Ash	4	400	50	36	
6	Drawing	MDF	1	1200	900	12	
7	For template	MDF	1	550	250	12	
8	For testing	Oak	2	600	75	55	



7 - 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	2	1	5.0
		Joint Details			
		Measurements			
Sub Total					5.0
B	Internal joints		subjective	objective	points
		Position A	1.5		10.0
		Position B	1.5		
		Position C	1.5		
		Position D	1.5		
		Position E	0.5		
		Position F	0.5		
		Position G	1.0		
		Position H	1.0		
		Position I	1.0		
Sub Total					

Detailed marking criteria C

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

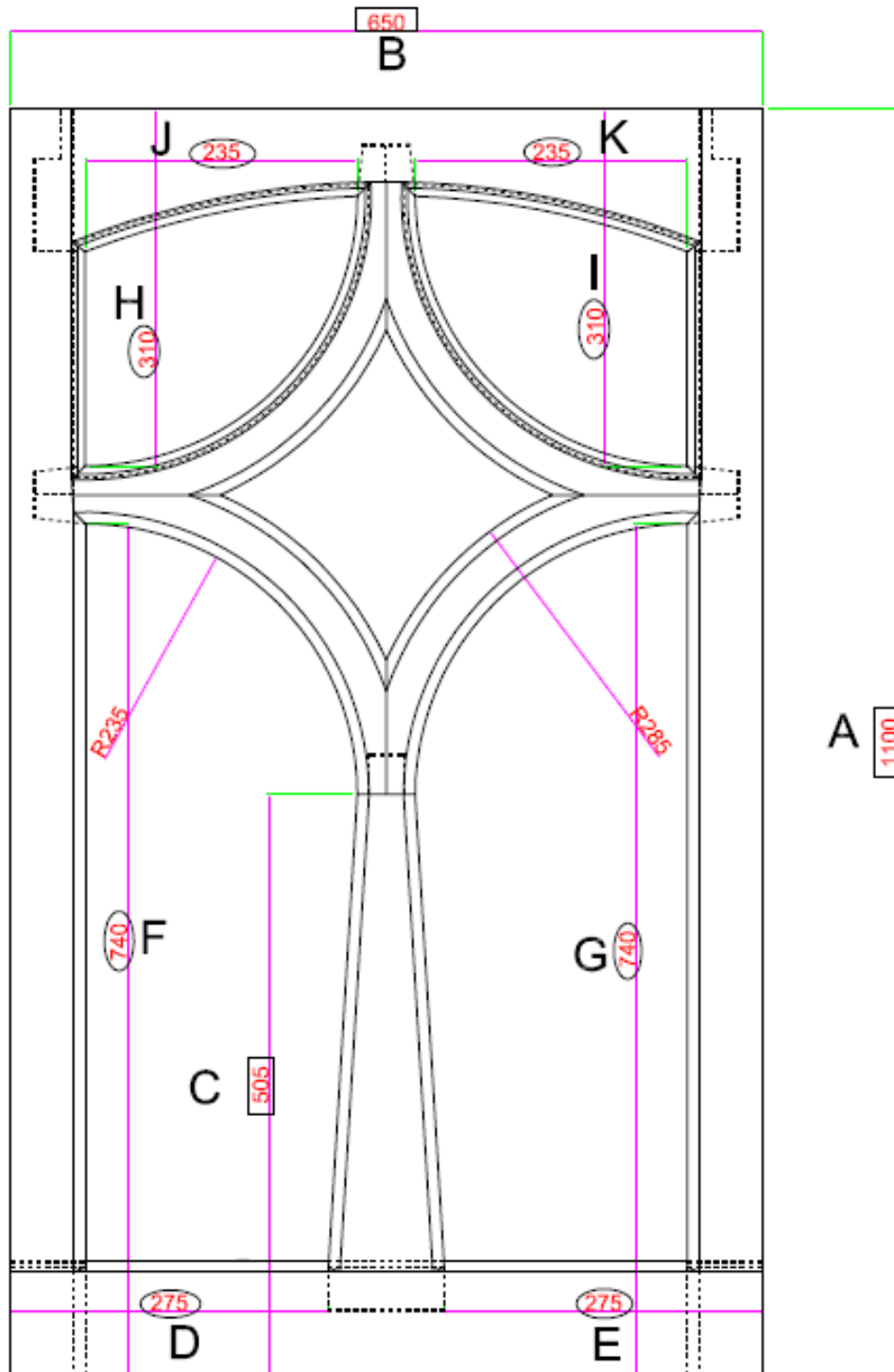
Detailed marking criteria D-E

			subjective	objective	points		
D	Finish & Appearance	Curved shapes	1.8		10		
		Surface finish	3.0				
		Arris finish	2.2				
		Twist		1.5			
		Squareness		1.5			
Sub Total					10		
E	Conformity	Missing component		1.0	2.5		
		Non conformities		1.5			
		Sub Total					2.5

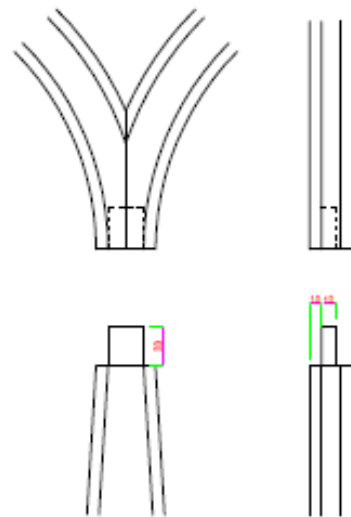
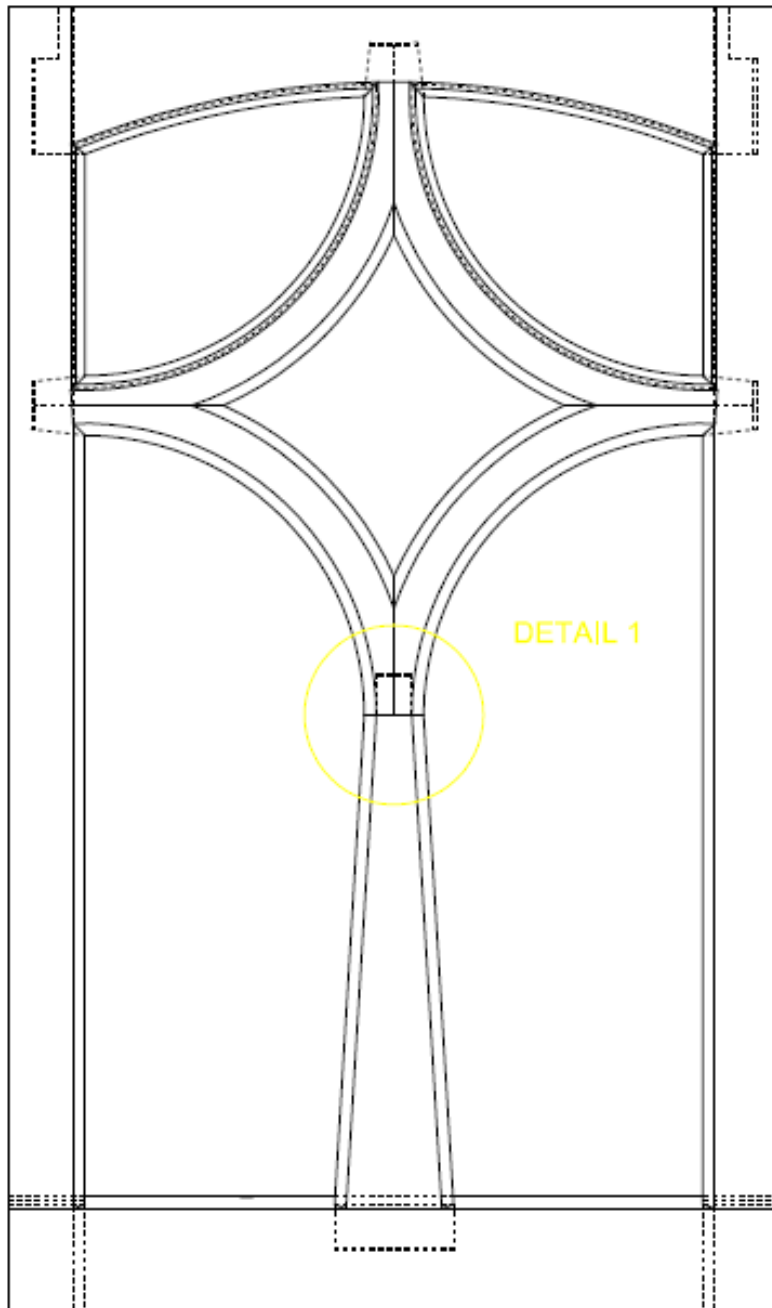
Detailed marking criteria F-G

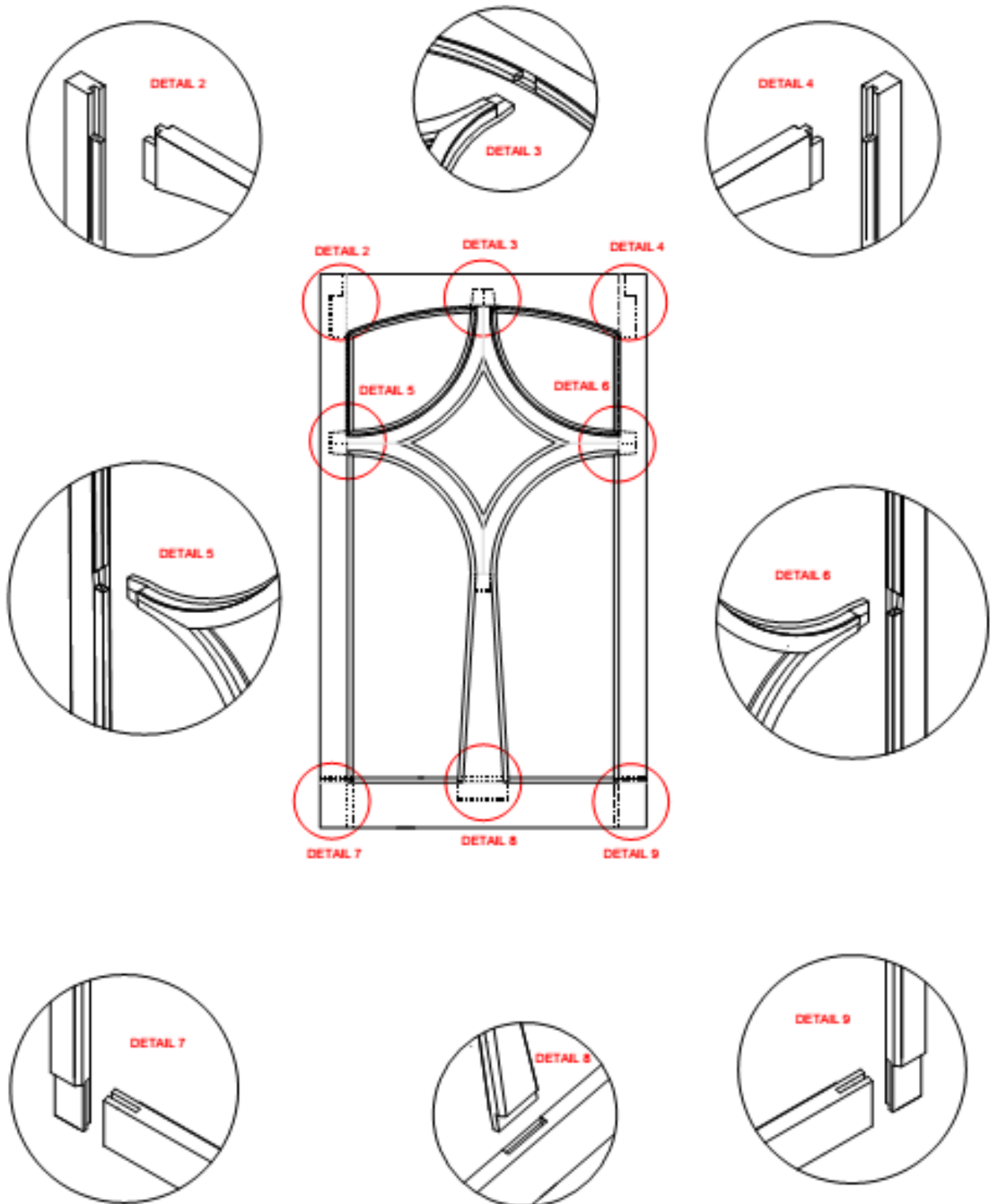
			subjective	objective	points			
F	Measurement	Position A (PD) 1100		1.25	7.5			
		Position B (PD) 650		1.25				
		Position C (PD) 505		1.0				
		Position D (SD) 275		0.5				
		Position E (SD) 275		0.5				
		Position F (SD) 740		0.5				
		Position G (SD) 740		0.5				
		Position H (SD) 310		0.5				
		Position I (SD) 310		0.5				
		Position J (SD) 235		0.5				
		Position K (SD) 235		0.5				
		Sub Total					7.5	
		G	Material	No extra material = 2.5			1.5	2.5
				1 piece extra material = 1.5 points			1.0	
Sub Total					2.5			
Grand Total					50			

8 - ELEVATION SHOWING MEASUREMENTS FOR MARKING



9 - EXPLODED DETAILS OF COMPLEX JOINTS

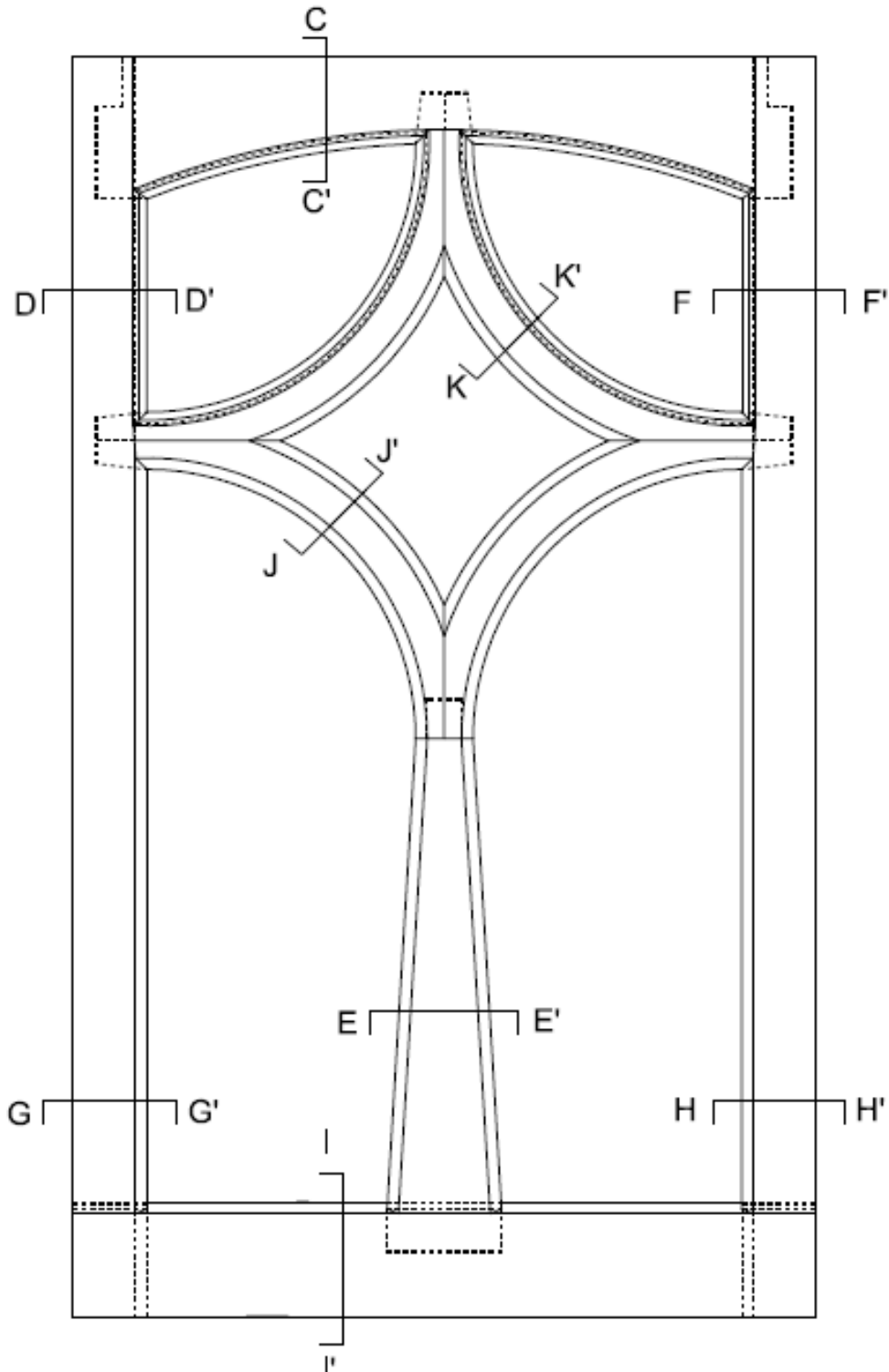


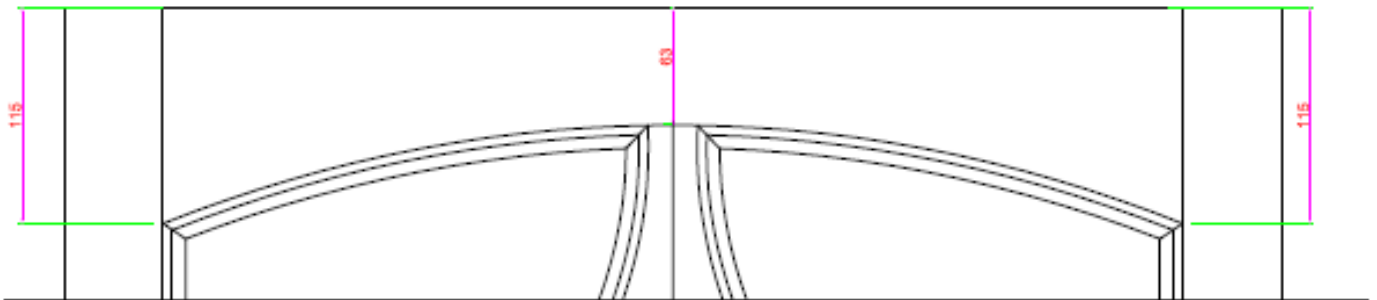
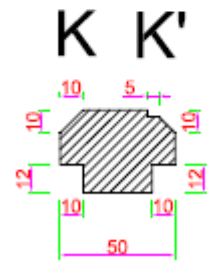
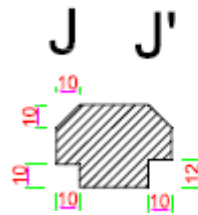
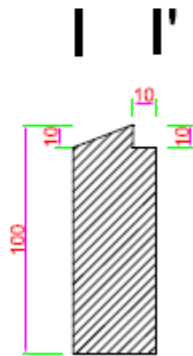
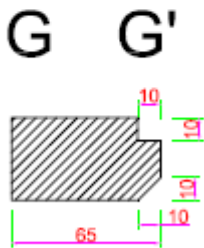
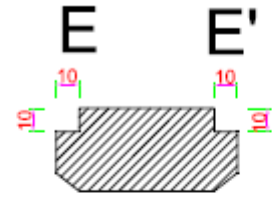
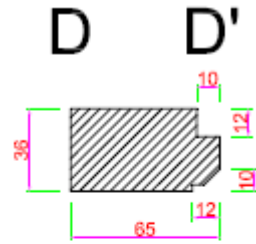
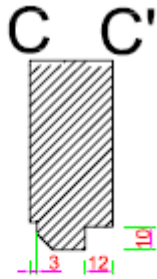


10 - PHOTOS OF THE PROJECT

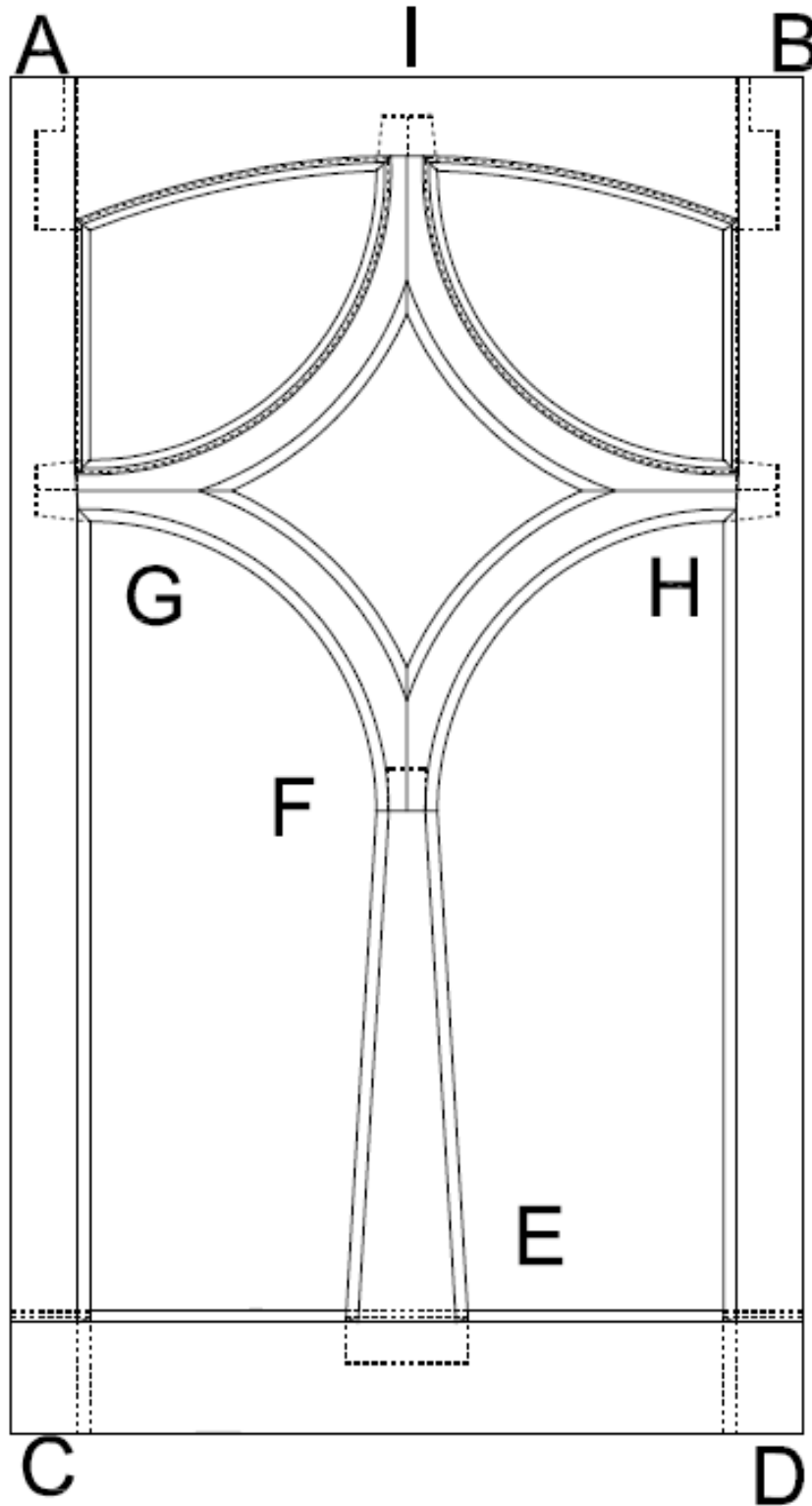


11 - MACHINE TOOLING REQUIREMENTS





12 - ELEVATIONS SHOWING JOINTS FOR MARKING



13- MATERIAL LIST FOR THE WORKSHOP SUPERVISOR TO PREPARE THE MATERIALS

Item	Designation	Wood	Quantity	Length	Width	Thickness	Notes
Module Flat							
1	Stiles	Oak	2	1130	65,5	36,5	
2	Intermediate Stile	Ash	1	520	100,5	36,5	
3	Top rail	Oak	1	680	125	36,5	
4	Bottom rail	Oak	1	680	100,5	36,5	
5	Curves	Ash	4	500	150	36,5	
6	Drawing	MDF	1	1300	900	12	
7	For template	MDF	1	550	400	12	
8	For testing	Oak	2	600	75	55	