

Test Project – Joinery 3D project proposal

WSC2013_TP25_3D_HU_actual_EN

Submitted and 30 % change by:

Name: **Csaba Babanecz**

Member Country: **Hungary**

2. TABLE OF CONTENTS

1. Front cover
2. Table of contents
3. Working instructions
4. Working drawings
5. Section details
6. Exploded details of complex joints
7. Marking criteria for the Competitors showing divisions B-G for the 3D project.
(There is no drawing required for the 3D project)
8. Detailed marking criteria in CIS format
9. Elevation showing joints for marking
10. Elevations showing measurements for marking
11. Materials list for the Workshop Supervisor to prepare the materials
12. Elevations showing project materials
13. Provide a photograph to show that the project has been made

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

1. WSC2013_TP25_3D_HU_EN.doc
2. WSC2013_TP25_3D_HU_HU.doc
3. WSC2013_TP25_3D_HU_01_EN.dwg
4. WSC2013_TP25_3D_HU_01_EN.pdf
5. WSC2013_TP25_3D_HU_02_EN.dwg
6. WSC2013_TP25_3D_HU_02_EN.pdf
7. WSC2013_TP25_3D_HU_03_EN.dwg
8. WSC2013_TP25_3D_HU_03_EN.pdf

3. WORKING INSTRUCTIONS

This test project represents a 3D shape.

It is a set of stairs that is made using common joints used in joinery. This test project is designed for the competition as a reduced sized stairs that is made using traditional joinery work.

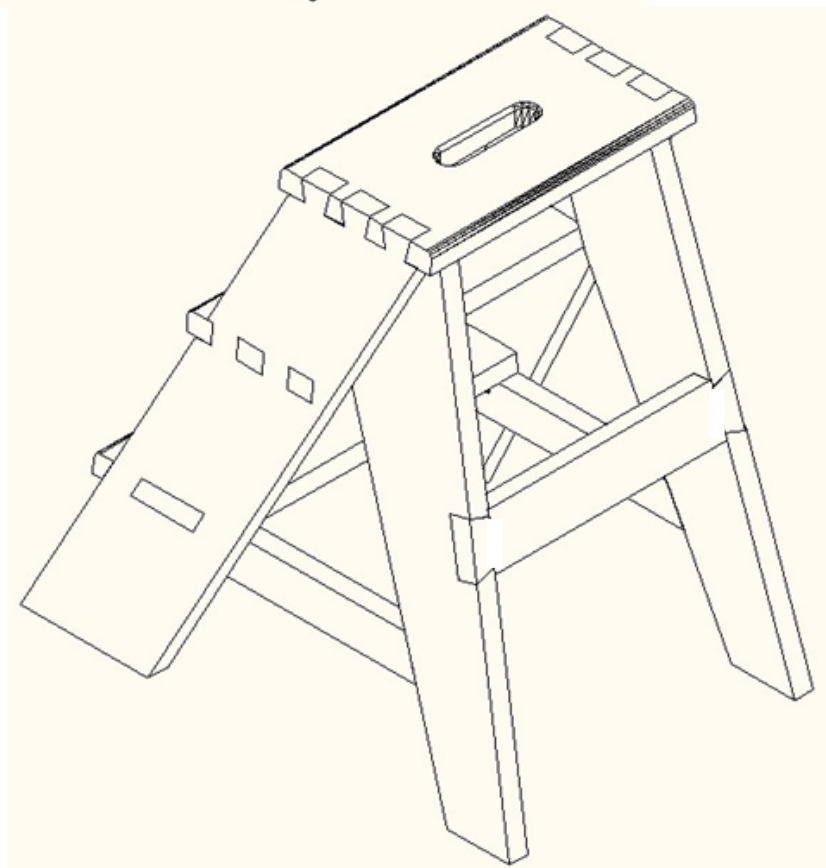
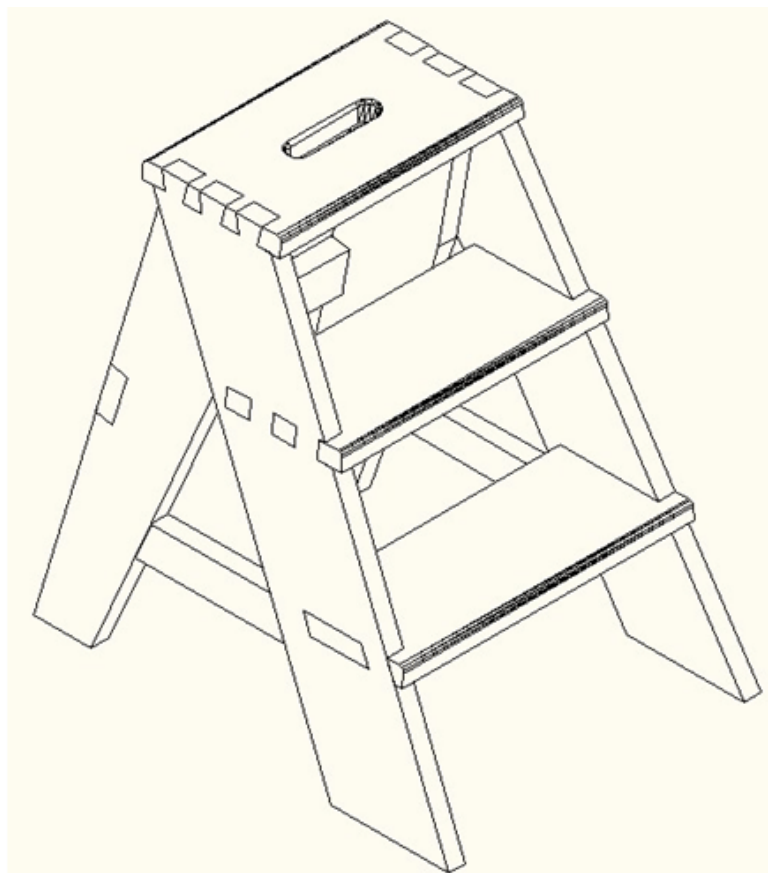
This project is designed to evaluate common skills used in Joinery. These skills include a set-out, layout, machining, assembly and sanding skills. The project is to be built to conform to the drawing and marking scheme.

This is an eleven hour project. Competitors can use hand tools and machine tools when making the project.

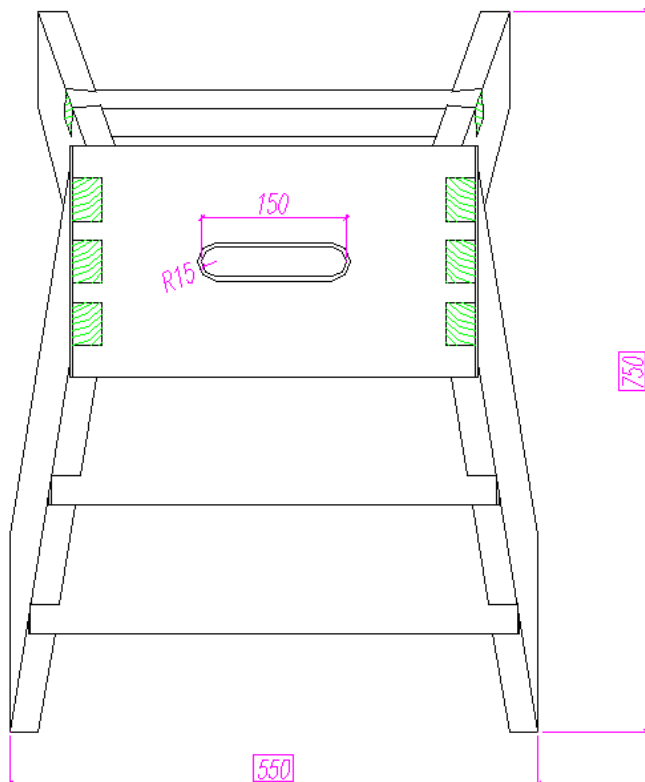
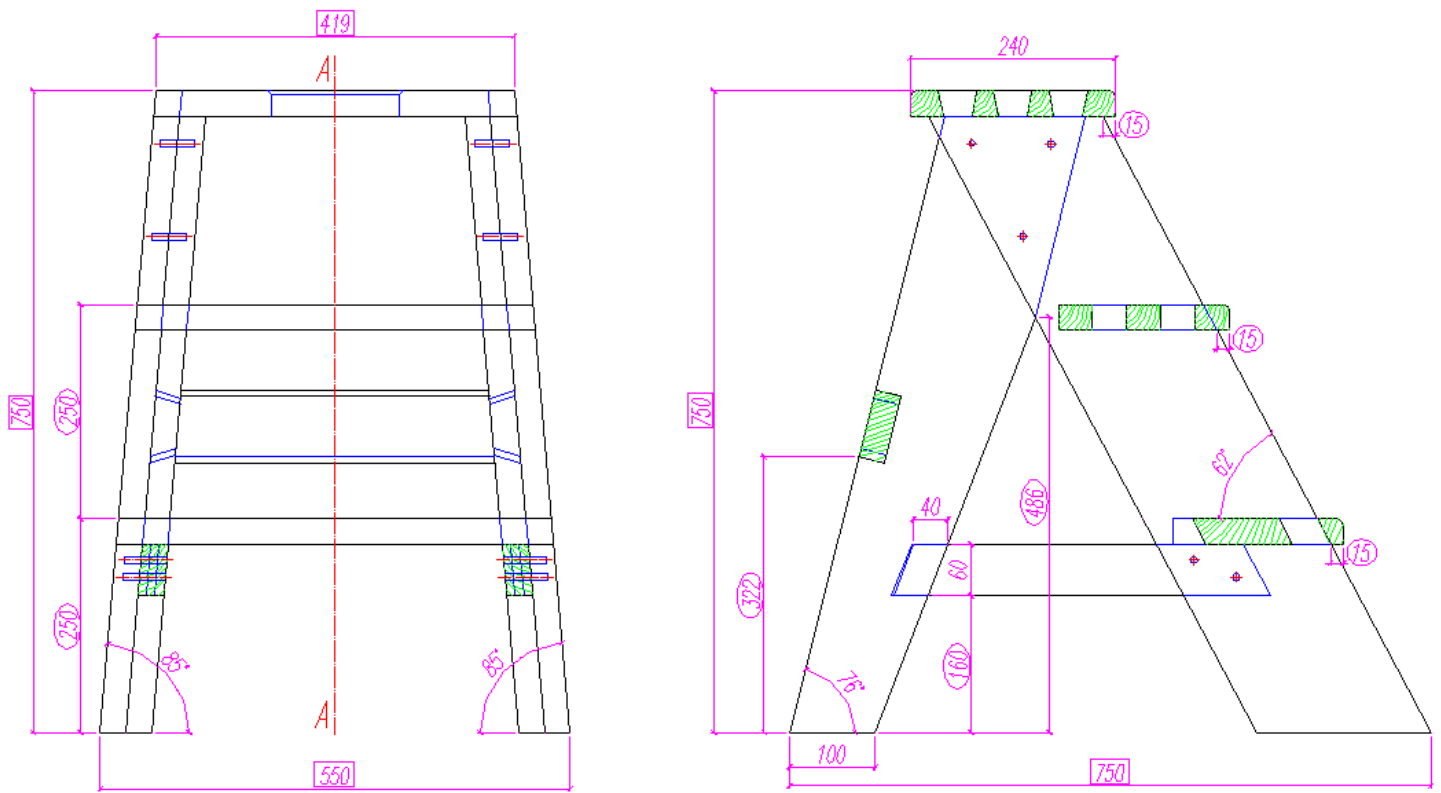
Please follow the instructions below:

1. This project must be completed in 11 hours.
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. Internal joints to be marked before assembly.
4. There is no extra gluing time.
5. Competitors can use all the tools and machines for completing the test project. However, templates that could benefit competitors are not to be used.
6. Competitors should be careful with time management. Remember that incompleteness of the test project can make marks lower.
7. The competitors can request to calibrate measuring instruments by experts.
8. The competition cannot be interrupted for any reason, the only exceptions are injury, sickness or accident.
9. When using machines, competitors must have personal safety equipment and follow safety instructions.

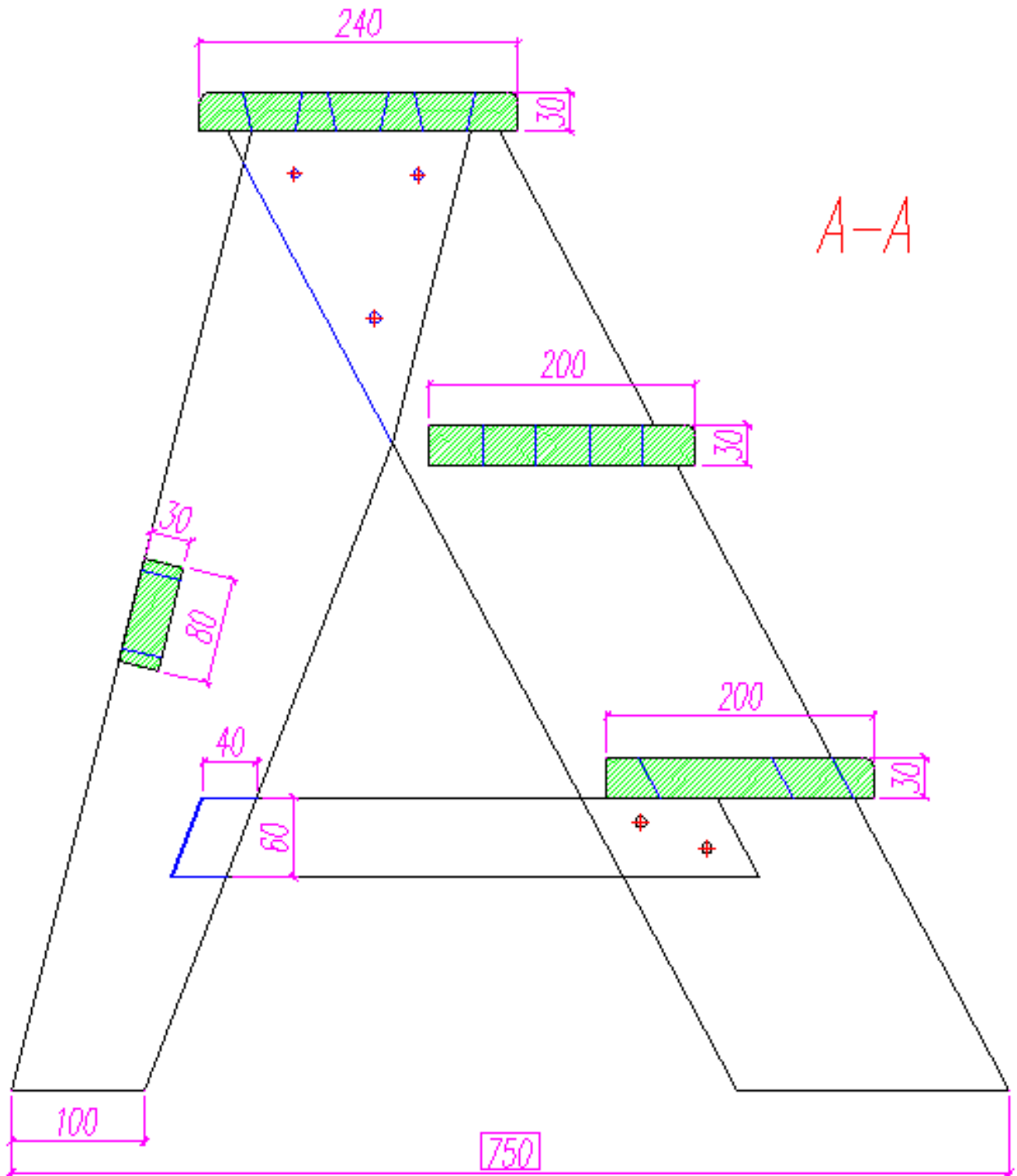
4.1. WORKING DRAWINGS



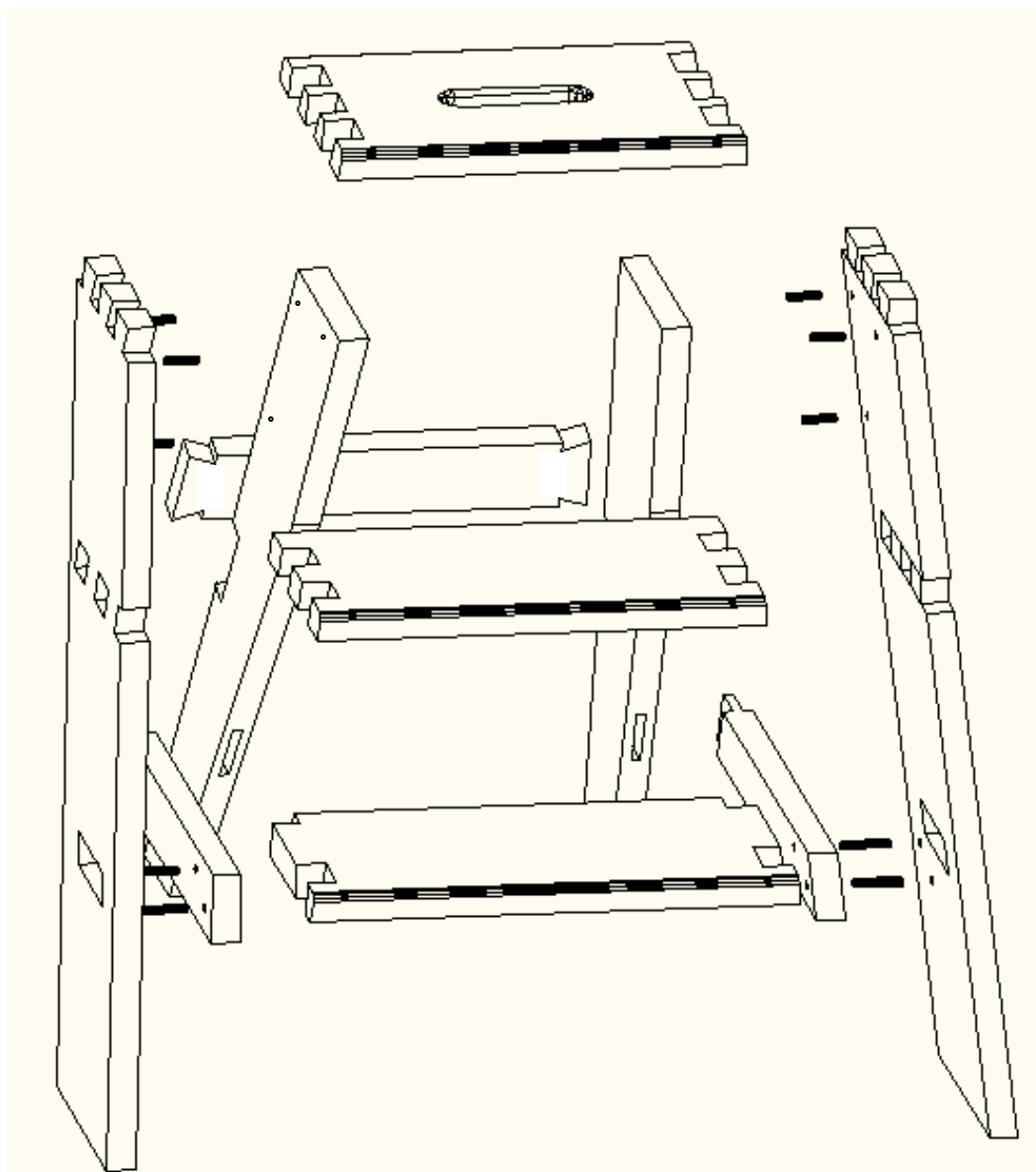
4.2. WORKING DRAWINGS



5. SECTION DETAILS



6. EXPLODED DETAILS OF COMPLEX JOINTS



7. MARKING CRITERIA FOR THE COMPETITORS SHOWING DIVISIONS B-G FOR THE 3D PROJECT (THERE IS NO DRAWING REQUIRED FOR THE 3D PROJECT)

MARKING SCHEME

3D-Project				
Section	Criterion	Subjective	Objective	Points
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		12,5	12,5
G	Material		2,5	2,5
Total		17	33	50

8. DETAILED MARKING CRITERIA IN CIS FORMAT

Detailed Marking criteria B

			subjective	objective	points
B	Internal joints	Position A	1.2		10.0
		Position B	1.2		
		Position C	1.0		
		Position D	1.0		
		Position E	1.2		
		Position F	1.2		
		Position G	0.8		
		Position H	0.8		
		Position I	0.8		
		Position J	0.8		
		Sub Total			

Detailed marking criteria C

			subjective	objective	points
C	External joints	Position A		1.8	12.5
		Position B		1.8	
		Position C		1.2	
		Position D		1.2	
		Position E		1.5	
		Position F		1.5	
		Position G		1.0	
		Position H		1.0	
		Position I		0.75	
		Position J		0.75	
		Sub Total			

Tolerances:

Within 0,15 mm = 100%

Up to and including 0,3 mm = 50%

Over 0,3 mm = 0%

Detailed marking criteria D

			subjective	objective	points
D	Finish and Appearance	Surface finish of tread boards	2.0		10
		Surface finish of balusters	2.0		
		Surface finish of supports and rails	3.0		
		Twist of tread boards		1.0	
		Angled of balusters and supports		2.0	
	Sub Total				10

Tolerances:

Within 1 mm = 100%

Up to 2 mm = 70%

Up to 3 mm = 40%

Over 3 mm = 0%

Detailed marking criteria E

			subjective	objective	points
E	Conformity	Missing component		1.0	2.5
		Non conformities		1.5	
			Sub Total		

Detailed marking criteria F

			subjective	objective	points
F	Measurement	Position A (PD) 750		1.5	12.5
		Position B (PD) 419		1.5	
		Position C (PD) 550		1.5	
		Position D (PD) 750		1.5	
		Position E (SD) 250		1.0	
		Position F (SD) 250		1.0	
		Position G (SD) 322		0.5	
		Position H (SD) 160		0.5	
		Position I (SD) 160		0.5	
		Position J (SD) 486		1.0	
		Position K (SD) 3 x 15		1.5	
		Position L (SD) L150,R15		0.5	
			Sub Total		

Primary Dimension

Measurements within 1 mm 100%

Measurements up to and including 2 mm 50%

Measurements over 2 mm 0%

Secondary Dimensions

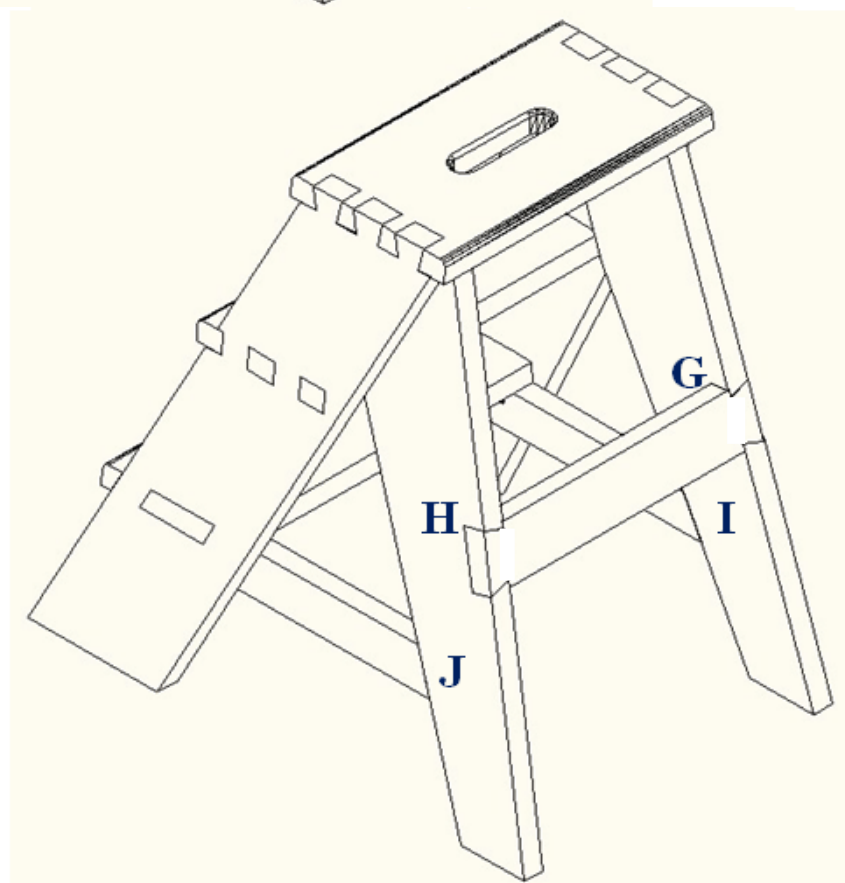
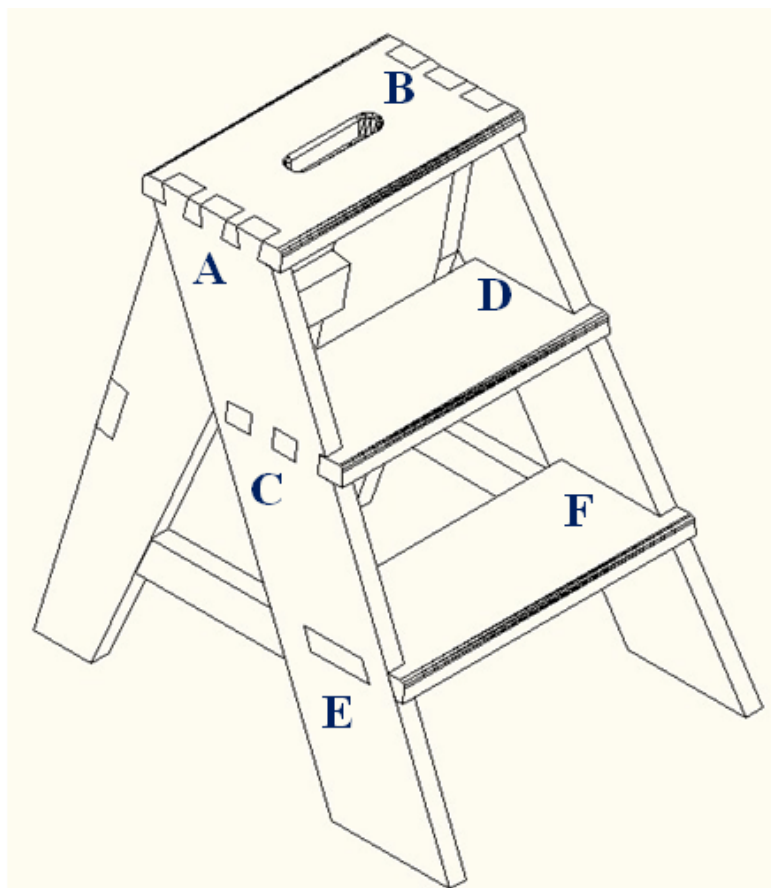
Measurements within 1 mm 100%

Measurements over 1 mm 0%

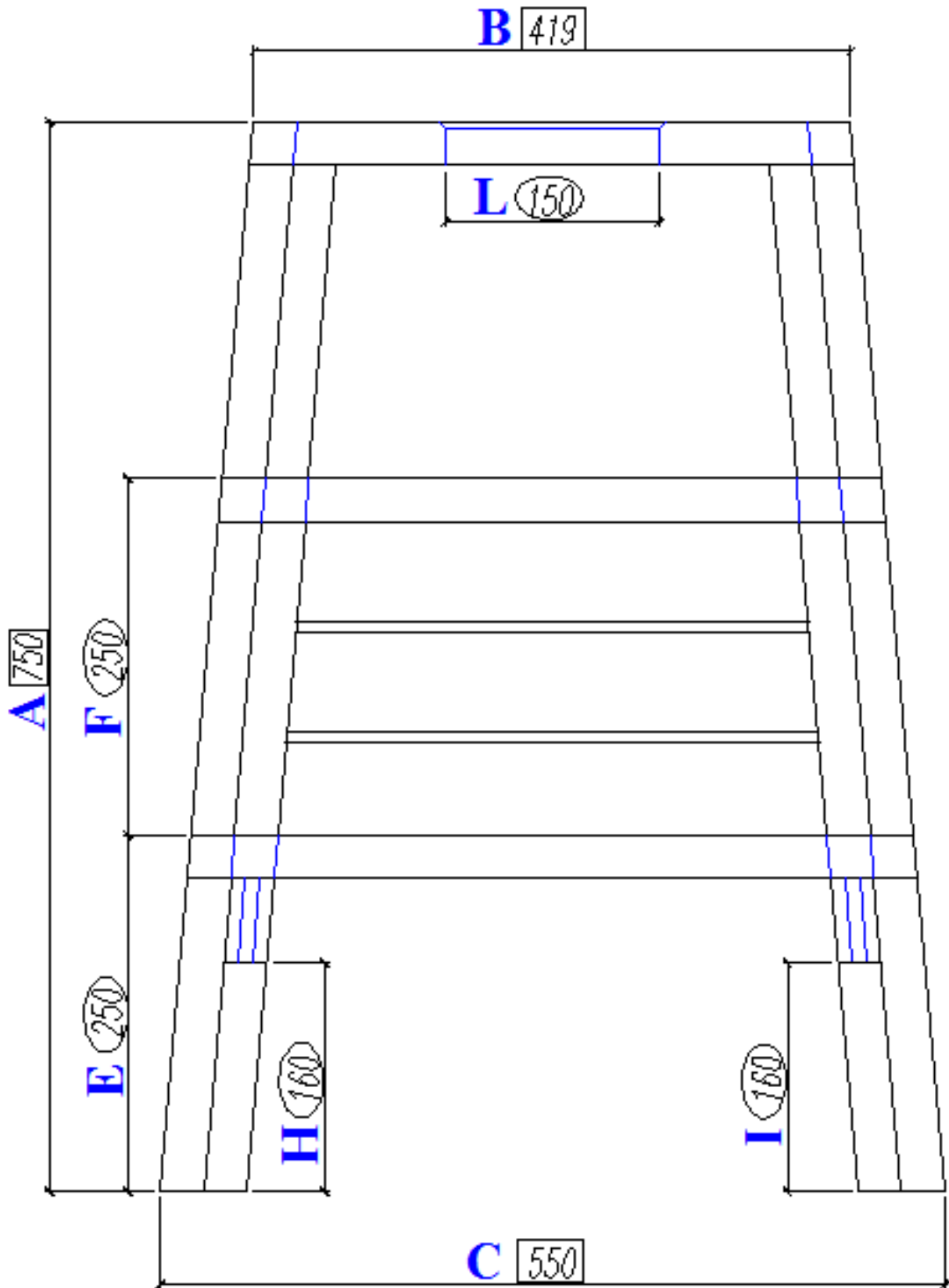
Detailed marking criteria G

			subjective	objective	points
G	Material	Replacement of the first piece		1.5	2.5
		Replacement of subsequent pieces		1.0	
			Sub Total		
	Grand Total				50

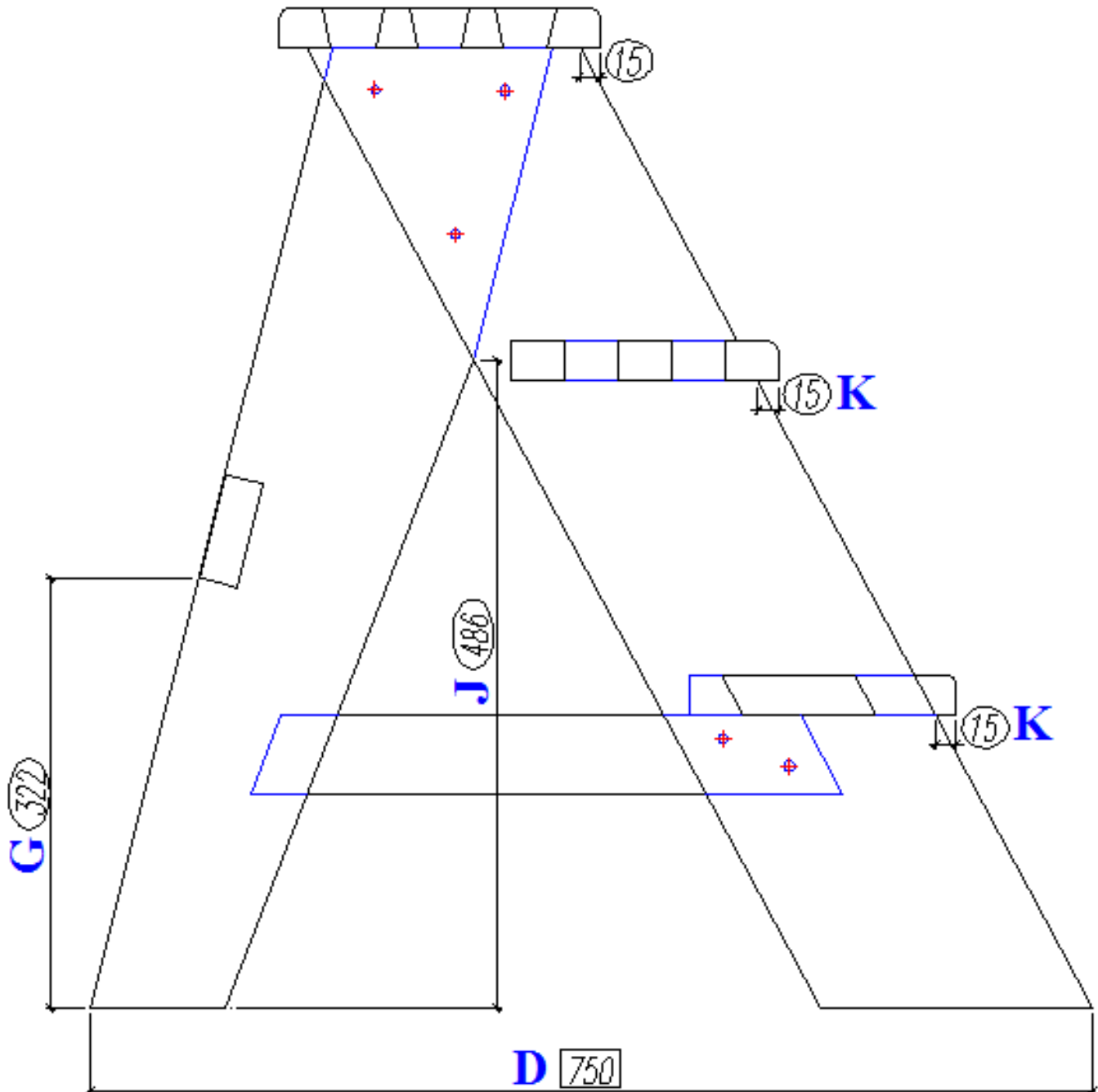
9. ELEVATION SHOWING JOINTS FOR MARKING



10.1. ELEVATIONS SHOWING MEASUREMENTS FOR MARKING



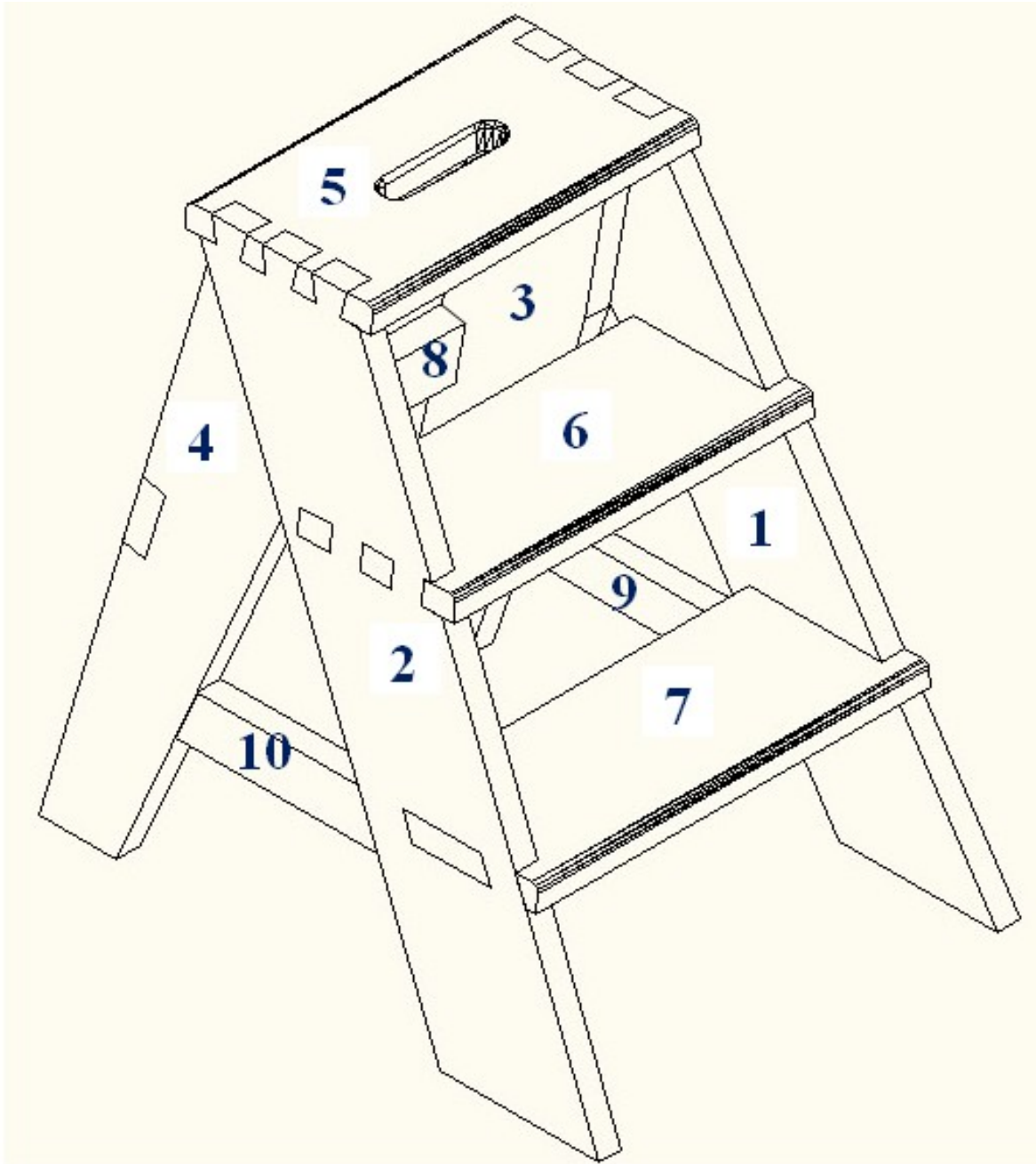
10.2. ELEVATIONS SHOWING MEASUREMENTS FOR MARKING



11. MATERIALS LIST FOR THE WORKSHOP SUPERVISOR TO PREPARE THE MATERIALS

No.	Designation	Wood	Quantity	Length	Width	Thickness
1	Baluster	Oak	1	1000	180	30
2	Baluster	Oak	1	1000	180	30
3	Support	Oak	1	860	160	30
4	Support	Oak	1	860	160	30
5	Tread board	Ash	1	430	240	30
6	Tread board	Ash	1	475	200	30
7	Tread board	Ash	1	520	200	30
8	Rear rail	Ash	1	440	80	30
9	Side rail	Oak	1	470	63	30
10	Side rail	Oak	1	470	63	30
11	Dowel	Oak	10	50	10	
	Drawing	MDF	1	1300	900	12
	For template	MDF	2	800	300	12
	For testing	Pine	2	600	100	30

12. ELEVATIONS SHOWING PROJECT MATERIALS



13. PROVIDE A PHOTOGRAPH TO SHOW THAT THE PROJECT HAS BEEN MADE

