

25 Joinery

WorldSkills Occupational Sta

Section	WSOS Marks
1	Work organization and management
2	Communication and interpersonal skills
3	Problem solving, innovation, and creativity
4	Produce a working drawing
5	Preparing materials
6	Internal and external joints
7	Assembly
8	Measurements
9	Finishing
10	Installing

Criteria

ID	Name
A	Drawing
B	Internal Joints
C	External Joints
D	Measurements
E	Finish
F	Conformity
G	
H	
I	

Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
A1	DRAWING - LINE WORK	1	M	Joint details	0 1 2 3
			M	Line types	
			J	Linework	

			J	Neatness	0
					1
					2
					3
A2	DRAWING -Primary Measurements	1	M	Measurement A - Overall Height	
			M	Measurement B - Width across bottom	
			M	Measurement C - Width across Top Corners	
			M	Measurement D - Height of window stile (right side)	
			M	Measurement E - Width of window top rail	
A3	DRAWING - Secondary Measurements	1	M	Measurement F - distance between risers	
			M	Measurement G - Height between rails	
			M	Measurement H - Distance to bottom of mid rail	
			M	Measurement I - Distance from mid rail to bottom of branch	
			M	Measurement J - location of right hand branch	
A4	DRAWING - Secondary Measurements	1	M	Measurement K - location of top of mullion	

A5	DRAWING - Radius	1	M	Measurement L - Distance to bottom of mid rail	
			M	Measurement M - internal of right hand panel	
			M	Measurement N - bottom rail to mid rail right side	
			M	Measurement O - bottom rail to mid rail left side	
			M	Measurement - Radius 1 (top of frame)	
			M	Measurement - Radius 2 (mid rails top and bottom)	
			M	Measurement - Radius 3 (Mid rails top and bottom)	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
B1	INTERNAL JOINTS - Flat Panel / 1	3	M	Joint A	
			M	Joint B	
			M	Joint C	
			M	Joint D	
			J	Joint A	
			J	Joint B	
					0
					1
					2
					3

					0
					1
					2
					3
			J	Joint C	0
					1
					2
					3
			J	Joint D	0
					1
					2
					3
B2	INTERNAL JOINTS - Flat Panel / 2	3			
			M	Joint E	
			M	Joint F	
			M	Joint G	
			M	Joint H	
			J	Joint E	
					0
					1
					2
					3
			J	Joint F	0
					1
					2
					3
			J	Joint G	0
					1
					2
					3
			J	Joint H	0
					1
					2
					3

B3	INTERNAL JOINTS - Flat Panel / 3	3	M	Joint I	0	
			M	Joint J		1
			M	Joint K		2
			J	Joint I		3
						3
			J	Joint J		0
						1
						2
						3
			J	Joint K		0
						1
						2
		3				
B4	INTERNAL JOINTS - Frame /1	4	M	Joint L	0	
			M	Joint M		1
			M	Joint N		2
			M	Joint O		3
			J	Joint L		3
						0
			J	Joint M		1
						2
						3
			J	Joint N		0
						1
						2
		3				

B5	INTERNAL JOINTS - Frame / 2	4	J	Joint O	0
					1
					2
					3
			M	Joint P	
			M	Joint Q	
			M	Joint R	
			M	Joint S	
			J	Joint P	
					0
					1
					2
					3
			J	Joint Q	
					0
					1
					2
					3
			J	Joint R	
					0
					1
					2
					3
			J	Joint S	
					0
					1
					2
					3
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
C1	EXTERNAL JOINTS - Flat Panel /1	3	M	Joint A - All external faces	

			M	Joint B - All external faces	
			M	Joint C - All external faces	
			M	Joint D - All external faces	
			J	Joint A - Exposed end grain of the joint	0
					1
					2
					3
			J	Joint B - Exposed end grain of the joint	0
					1
					2
					3
C2	EXTERNAL JOINTS - Flat Panel /2	3			
			M	Joint E - All external faces	
			M	Joint F - All external faces	
			M	Joint G - All external faces	
			M	Joint H - All external faces	
C3	EXTERNAL JOINTS - Flat Panel /3	3			
			M	Joint I - All external faces	
			M	Joint J - All external faces	
			M	Joint K - All external faces	
			J	Joint I - Exposed end grain of the joint	0
					1
					2
					3
			J	Joint J - Exposed end grain of the joint	0
					1
					2
					3
C4	EXTERNAL JOINTS - Frame /1	4			
			M	Joint L - All external faces	
			M	Joint M - All external faces	
			M	Joint N - All external faces	
			M	Joint O - All external faces	
C5	EXTERNAL JOINTS - Frame /2	4			
			M	Joint P - All external faces	

			M	Joint Q - All external faces	0
			M	Joint R - All external faces	1
			M	Joint S - All external faces	2
			J	Joint P - Exposed end grain of the joint	3
					0
			J	Joint Q - Exposed end grain of the joint	1
					2
					3
			J	Joint R - Exposed end grain of the joint	0
					1
					2
					3
			J	Joint S - Exposed end grain of the joint	0
					1
					2
					3
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
D1	MEASUREMENTS -Primary Measurements - F	3	M	Measurement A - Overall Height	
			M	Measurement B - Width across bottom	
D2	MEASUREMENTS - Secondary Measurements	3	M	Measurement C - Height to bottom corner of mid rail (left side)	

M Measurement D - Distance between mid rail and branch

M Measurement E - Distance form inside stile and branch

M Measurement F - Distance from mullion and stile

D3 MEASUREMENTS - Secondary Measurements 3

M Measurement G - Height to bottom corner of mid rail (right side)

M Measurement H - Distance from Right Stile to Bottom Right mullion

M Measurement I - Distance from Right Stile to Bottom Right mid rail

M Measurement J - Distance from left Stile to Bottom left mid rail

D4 MEASUREMENTS -Primary Measurements - F 4

M Measurement A - Overall Height

M Measurement B - Width across bottom

D5 MEASUREMENTS - Secondary Measurements 4

M Measurement C - length across the top

M Measurement D - between the uprights

M Measurement E - Height of rail off main frame

D6	MEASUREMENTS - Secondary Measurements	4	M	Measurement F - depth of foot on Left side	
			M	Measurement - Radius 1 (top of frame)	
			M	Measurement - Radius 2 (mid rails top and bottom)	
			M	Measurement - Radius 3 (Mid rails top and bottom)	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
E1	FINISH - Flat Panel	3	J	Sanded - Surface finish of all front faces	0 1 2 3
			J	Sanded - Surface finish of all outside edges	0 1 2 3
			J	Sanded - Surface finish of inside edges	0 1 2 3
			J	Sanded - Surface finish of back faces	0 1 2

			J	Arris - All edges	3
					0
					1
					2
					3
			J	Curves - All Curved edges	0
					1
					2
					3
			J	Chamfer - All Chamfered edges	0
					1
					2
					3
E2	TWIST and SQUARENESS - Flat panel	3	M	Check for Twist (place on flat surface and check the corners using a square)	
			M	Check for Squareness (check diagonals)	
E3	FINISH - Frame	4	J	Sanded - Surface finish of all front faces	0
					1
					2
					3
			J	Sanded - Surface finish of all outside edges	0
					1
					2
					3
			J	Sanded - Surface finish of inside edges	0
					1
					2
					3
			J	Sanded - Surface finish of back faces	0
					1
					2

E4	TWIST and SQUARENESS - Frame	4	J	Sanded - Surface finish of groove	3
					0
					1
					2
			J	Arris - All edges	3
					0
					1
					2
			J	Curves - All Curved edges	3
					0
					1
					2
			J	Chamfer - All Chamfered edges	3
					0
					1
					2
					3
			M	Check for Twist (place on flat surface and check the corners using a square)	
			M	Check for Squareness (check diagonals)	
			M	Check fit of Flat panel in groove of frame (front to back)	
			M	Check fit of Flat panel in groove of frame (side to side)	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
F1	Conformity - Flat Panel	3	M	Missing component (Count the number of Missing Components)	
F2	Material	4	M	Non conformities (count the number of Non Conformities)	
			M	Use of material (Count replacement pieces of Material)	

F3	Conformity - Frame	4	M M	Missing component (Count the number of Missing Components) Non conformities (count the number of Non Conformities)	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score



Standards			
	WSOS Marks	Aspect Marks	Variation
	5.00	4.50	0.50
	5.00	5.60	0.60
	5.00	5.10	0.10
	6.00	6.00	0.00
	5.00	4.90	0.10
	28.00	29.05	1.05
	12.00	11.75	0.25
	15.00	14.55	0.45
	15.00	14.90	0.10
	4.00	3.65	0.35
	Total Variation		3.50



	Mark
	16.30
	24.50
	24.25
	14.55
	17.40
	3.00

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Joint geometry and proportions are shown accurately with All lines correct = 2.00, 1 missing line = 1.20, 2 missing lines = 0.40 Present and correct to the drawing - object lines, hidden lines, dimension lines Linework must be consistent to the drawing and line types used Consistent means - uniformed, steady, constant. Lines may extend from edge of layout in order to transfer dimensions Linework is to an unacceptable standard - Is not consistent to drawing Linework is to an acceptable standard - Has inconsistent line density Linework is to a good standard - Is of consistent line density Linework is to an excellent standard - Is of consistent line density	Yes/No	1	1	2.00
		1	1	1.50
		2		0.80

Criterion A Total Mark 16.30

Cleanliness of the drawing, linework and marks on the drawing Drawing neatness is unacceptable - Dirty drawing Drawing neatness is acceptable - Marks on the drawing present Drawing neatness is good - Little to no marks on the drawing Drawing neatness is excellent - No marks present on the drawing	3		0.50	
Measurement to be taken at the top point to bottom of both feet Measurements up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks Measurements are taken with Competitors measuring tool	1134	2	2	1.00
Measurement to be taken across the bottom of the feet. Measurements up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks Measurements are taken with Competitors measuring tool	732	2	2	1.00
Measurement to be taken across the top Rail. Measurements up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks Measurements are taken with Competitors measuring tool	676	3	2	1.00
Measurement to be taken on right hand side from bottom of right hand side Measurements up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks Measurements are taken with Competitors measuring tool	842	3	2	1.00
Measurement to be taken across the top rail. Measurements up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks, up to and including 1mm = 1.0 marks Measurements are taken with Competitors measuring tool	610	4	2	1.00
Measurement to be taken on the inside at the bottom of right hand side Measurements up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks Measurements are taken with Competitors measuring tool	374	4	3	0.50
Measurement to be taken on the outside edge on the Right hand side Measurements up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks Measurements are taken with Competitors measuring tool	92	4	3	0.50
Measurement from bottom of Left Stile to bottom of mid rail Measurements up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks Measurements are taken with Competitors measuring tool	287	4	3	0.50
Measurement to be taken from top of mid rail to bottom of right hand side Measurements up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks Measurements are taken with Competitors measuring tool	391	4	3	0.50
Measurement to be taken on the inside shoulder line. Measurements up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks Measurements are taken with Competitors measuring tool	80	4	3	0.50
Measurement to be taken on the inside shoulder line of stile Measurements up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks, up to and including 1mm = .5 marks Measurements are taken with Competitors measuring tool	209	4	3	0.50

Measurements up to and including 1mm = .5 marks, up to Measurements are taken with Competitors measuring tool				
Measurement from bottom of right Stile to bottom of mid rail 317		4	3	0.50
Measurements up to and including 1mm = .5 marks, up to Measurements are taken with Competitors measuring tool				
Measurement to be taken on the inside at the bottom of the 194		4	3	0.50
Measurements up to and including 1mm = .5 marks, up to Measurements are taken with Competitors measuring tool				
Measurement to be taken from the bottom rail to the inside 282		4	3	0.50
Measurements up to and including 1mm = .5 marks, up to Measurements are taken with Competitors measuring tool				
Measurement to be taken from the bottom rail to the inside 256		4	3	0.50
Measurements up to and including 1mm = .5 marks, up to Measurements are taken with Competitors measuring tool				
Using template - check radius on inside for left hand curve 1690		3	3	0.50
Measurements up to and including 1mm = .5 marks, up to Using template - check radius on inside for right hand curve 455		3	3	0.50
Measurements up to and including 1mm = .5 marks, up to Using template - check radius on inside on middle curve 500		3	3	0.50
Measurements up to and including 1mm = .5 marks, up to				
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Joint according to the drawing	Yes or No	6		1.50
Joint according to the drawing	Yes or No	6		0.30
Joint according to the drawing	Yes or No	6		1.00
Joint according to the drawing	Yes or No	6		0.30
Description- Cleanliness of joint/shoulder, neatness and c		6		2.00
Joint has been made to an unacceptable standard - extre				
Joint has been made to an acceptable standard - some ro				
Joint has been made to a good standard - joint slightly loo				
Joint has been made to an excellent standard - clean shou				
Description- Cleanliness of joint/shoulder, neatness and c		6		1.80

Criterion B **Total Mark** **24.50**

Joint has been made to an unacceptable standard - extre				
Joint has been made to an acceptable standard - some ro				
Joint has been made to a good standard - joint slightly loo				
Joint has been made to an excellent standard - clean shou				
Description- Cleanliness of joint/shoulder, neatness and c		6		0.60
Joint has been made to an unacceptable standard - extre				
Joint has been made to an acceptable standard - some ro				
Joint has been made to a good standard - joint slightly loo				
Joint has been made to an excellent standard - clean shou				
Description- Cleanliness of joint/shoulder, neatness and c		6		0.90
Joint has been made to an unacceptable standard - extre				
Joint has been made to an acceptable standard - some ro				
Joint has been made to a good standard - joint slightly loo				
Joint has been made to an excellent standard - clean shou				
Joint according to the drawing	Yes or No	6		0.30
Joint according to the drawing	Yes or No	6		0.30
Joint according to the drawing	Yes or No	6		0.30
Joint according to the drawing	Yes or No	6		0.30
Description- Cleanliness of joint/shoulder, neatness and c		6		0.60
Joint has been made to an unacceptable standard - extre				
Joint has been made to an acceptable standard - some ro				
Joint has been made to a good standard - joint slightly loo				
Joint has been made to an excellent standard - clean shou				
Description- Cleanliness of joint/shoulder, neatness and c		6		0.60
Joint has been made to an unacceptable standard - extre				
Joint has been made to an acceptable standard - some ro				
Joint has been made to a good standard - joint slightly loo				
Joint has been made to an excellent standard - clean shou				
Description- Cleanliness of joint/shoulder, neatness and c		6		0.60
Joint has been made to an unacceptable standard - extre				
Joint has been made to an acceptable standard - some ro				
Joint has been made to a good standard - joint slightly loo				
Joint has been made to an excellent standard - clean shou				
Description- Cleanliness of joint/shoulder, neatness and c		6		0.60
Joint has been made to an unacceptable standard - extre				
Joint has been made to an acceptable standard - some ro				
Joint has been made to a good standard - joint slightly loo				
Joint has been made to an excellent standard - clean shou				

Joint according to the drawing	Yes or No	6	0.30
Joint according to the drawing	Yes or No	6	0.30
Joint according to the drawing	Yes or No	6	0.30
Description- Cleanliness of joint/shoulder, neatness and c		6	1.00
Joint has been made to an unacceptable standard - extre			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - joint slightly loo			
Joint has been made to an excellent standard - clean shou			
Description- Cleanliness of joint/shoulder, neatness and c		6	1.00
Joint has been made to an unacceptable standard - extre			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - joint slightly loo			
Joint has been made to an excellent standard - clean shou			
Description- Cleanliness of joint/shoulder, neatness and c		6	0.50
Joint has been made to an unacceptable standard - extre			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - joint slightly loo			
Joint has been made to an excellent standard - clean shou			
Joint according to the drawing	Yes or No	6	0.20
Joint according to the drawing	Yes or No	6	0.20
Joint according to the drawing	Yes or No	6	0.30
Joint according to the drawing	Yes or No	6	0.30
Description- Cleanliness of joint/shoulder, neatness and c		6	0.30
Joint has been made to an unacceptable standard - extre			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - joint slightly loo			
Joint has been made to an excellent standard - clean shou			
Description- Cleanliness of joint/shoulder, neatness and c		6	0.30
Joint has been made to an unacceptable standard - extre			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - joint slightly loo			
Joint has been made to an excellent standard - clean shou			
Description- Cleanliness of joint/shoulder, neatness and c		6	0.50
Joint has been made to an unacceptable standard - extre			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - joint slightly loo			
Joint has been made to an excellent standard - clean shou			

Description- Cleanliness of joint/shoulder, neatness and c Joint has been made to an unacceptable standard - extre Joint has been made to an acceptable standard - some ro Joint has been made to a good standard - joint slightly loo Joint has been made to an excellent standard - clean shou		6		0.50
Joint according to the drawing	Yes or No	6		0.20
Joint according to the drawing	Yes or No	6		0.20
Joint according to the drawing	Yes or No	6		0.20
Joint according to the drawing	Yes or No	6		0.20
Description- Cleanliness of joint/shoulder, neatness and c Joint has been made to an unacceptable standard - extre Joint has been made to an acceptable standard - some ro Joint has been made to a good standard - joint slightly loo Joint has been made to an excellent standard - clean shou		6		1.25
Description- Cleanliness of joint/shoulder, neatness and c Joint has been made to an unacceptable standard - extre Joint has been made to an acceptable standard - some ro Joint has been made to a good standard - joint slightly loo Joint has been made to an excellent standard - clean shou		10		1.25
Description- Cleanliness of joint/shoulder, neatness and c Joint has been made to an unacceptable standard - extre Joint has been made to an acceptable standard - some ro Joint has been made to a good standard - joint slightly loo Joint has been made to an excellent standard - clean shou		6		1.60
Description- Cleanliness of joint/shoulder, neatness and c Joint has been made to an unacceptable standard - extre Joint has been made to an acceptable standard - some ro Joint has been made to a good standard - joint slightly loo Joint has been made to an excellent standard - clean shou		6		1.60
Within 0.3mm = 1.25 - Up to 0.6mm = 0.63 - Over 0.6mm = 0		7	4	1.25

Criterion C **Total Mark** **24.25**

Within 0.3mm = 0.8 - Up to 0.6mm = 0.4 - Over 0.6mm = 0	5	4	0.80
Within 0.3mm = 0.6 - Up to 0.6mm = 0.3 - Over 0.6mm = 0	7	4	0.60
Within 0.3mm = 0.6 - Up to 0.6mm = 0.3 - Over 0.6mm = 0	5	4	0.60
Description- Cleanliness and neatness of joint	6		1.50
Joint has been made to an unacceptable standard - Large			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - has some gaps			
Joint has been made to an excellent standard - clean shou			
Description- Cleanliness and neatness of joint	6		1.50
Joint has been made to an unacceptable standard - Large			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - has some gaps			
Joint has been made to an excellent standard - clean shou			
Within 0.3mm = 0.5 - Up to 0.6mm = 0.25 - Over 0.6mm = 0	5	4	0.50
Within 0.3mm = 0.5 - Up to 0.6mm = 0.25 - Over 0.6mm = 0	5	4	0.50
Within 0.3mm = 0.5 - Up to 0.6mm = 0.25 - Over 0.6mm = 0	5	4	0.50
Within 0.3mm = 0.5 - Up to 0.6mm = 0.25 - Over 0.6mm = 0	5	4	0.50
Within 0.3mm = 0.6 - Up to 0.6mm = 0.3 - Over 0.6mm = 0	6	4	0.60
Within 0.3mm = 0.6 - Up to 0.6mm = 0.3 - Over 0.6mm = 0	6	4	0.60
Within 0.3mm = 0.5 - Up to 0.6mm = 0.25 - Over 0.6mm = 0	5	4	0.50
Description- Cleanliness and neatness of joint	6		0.80
Joint has been made to an unacceptable standard - Large			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - has some gaps			
Joint has been made to an excellent standard - clean shou			
Description- Cleanliness and neatness of joint	6		0.80
Joint has been made to an unacceptable standard - Large			
Joint has been made to an acceptable standard - some ro			
Joint has been made to a good standard - has some gaps			
Joint has been made to an excellent standard - clean shou			
Within 0.3mm = 0.6 - Up to 0.6mm = 0.3 - Over 0.6mm = 0	2	4	0.60
Within 0.3mm = 0.6 - Up to 0.6mm = 0.3 - Over 0.6mm = 0	2	4	0.60
Within 0.3mm = 0.8 - Up to 0.6mm = 0.4 - Over 0.6mm = 0	2	4	0.80
Within 0.3mm = 0.8 - Up to 0.6mm = 0.4 - Over 0.6mm = 0	2	4	0.80
Within 0.3mm = 1.25 - Up to 0.6mm = 0.63 - Over 0.6mm = 0	7	4	1.25

Within 0.3mm = 1.25 - Up to 0.6mm = 0.63 - Over 0.6mm = 0		7	4	1.25
Within 0.3mm = 1.20 - Up to 0.6mm = 0.60 - Over 0.6mm = 0		7	4	1.20
Within 0.3mm = 1.20 - Up to 0.6mm = 0.60 - Over 0.6mm = 0		7	4	1.20
Description- Cleanliness and neatness of joint Joint has been made to an unacceptable standard - Large gaps Joint has been made to an acceptable standard - some roughness Joint has been made to a good standard - has some gaps Joint has been made to an excellent standard - clean shoulder		7		1.00
Description- Cleanliness and neatness of joint Joint has been made to an unacceptable standard - Large gaps Joint has been made to an acceptable standard - some roughness Joint has been made to a good standard - has some gaps Joint has been made to an excellent standard - clean shoulder		7		1.00
Description- Cleanliness and neatness of joint Joint has been made to an unacceptable standard - Large gaps Joint has been made to an acceptable standard - some roughness Joint has been made to a good standard - has some gaps Joint has been made to an excellent standard - clean shoulder		7		1.50
Description- Cleanliness and neatness of joint Joint has been made to an unacceptable standard - Large gaps Joint has been made to an acceptable standard - some roughness Joint has been made to a good standard - has some gaps Joint has been made to an excellent standard - clean shoulder		7		1.50
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Measurement to be taken on the outside shoulder on right hand side Measurements up to and including 1mm = 1.20 marks, up to 2mm = 0.63 marks, over 2mm = 0 marks	842	8	2	1.20
Measurement to be taken across the bottom rail. Measurements up to and including 1mm = 1.20 marks, up to 2mm = 0.63 marks, over 2mm = 0 marks	610	8	2	1.20
Measurement from bottom of Left Stile to bottom of mid rail	287	8	3	0.65

Criterion D Total Mark 14.55

Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool				
Measurement to be taken on the inside edge on the left side Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	391	8	3	0.65
Measurement of to be taken from inside of stile and joining Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	80	8	3	0.65
Measurement to be taken from joint in mullion and edge of Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	209	8	3	0.65
Measurement from bottom of right Stile to bottom of mid rail Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	317	8	3	0.65
Measurement to be taken square on the inside shoulder line Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	194	8	3	0.65
Measurement to be taken on the inside shoulder line. Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	282	8	3	0.65
Measurement to be taken on the inside shoulder line. Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	256	8	3	0.65
Measurement to be taken on the outside shoulder on right Measurements up to and including 1mm = 1.20 marks, up Measurements are taken with Competitors measuring tool	1134	8	2	1.20
Measurement to be taken across the bottom rail. Measurements up to and including 1mm = 1.20 marks, up Measurements are taken with Competitors measuring tool	732	8	2	1.20
Measurement to be taken on the outside edge Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	676	8	3	0.65
Measurement to be taken from the front Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	374	8	3	0.65
Measurement to be taken from the left hand side from the Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool	92	8	3	0.65

Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool Measurement to be taken on the left foot from the outside	315	8	3	0.65
Measurements up to and including 1mm = 0.65 marks, up Measurements are taken with Competitors measuring tool				
Using template - check radius on inside top of frame Measurements up to and including 1mm = 0.65 marks, up	1690	8	3	0.65
Using template - check radius on inside of curve Measurements up to and including 1mm = 0.65 marks, up	455	8	3	0.65
Using template - check radius on outside of curve Measurements up to and including 1mm = 0.65 marks, up	500	8	3	0.65
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Smoothness of ALL Faces - by feel with hand plus checking Sanding to an unacceptable standard - many bumps; areas Sanding to an acceptable standard - some bumps; most areas Sanding to a good standard - limited bumps; most areas Sanding to an excellent standard - no bumps; all areas		9		0.80
Smoothness of ALL Faces - by feel with hand plus checking Sanding to an unacceptable standard - many bumps; areas Sanding to an acceptable standard - some bumps; most areas Sanding to a good standard - limited bumps; most areas Sanding to an excellent standard - no bumps; all areas		9		0.80
Smoothness of ALL Faces - by feel with hand plus checking Sanding to an unacceptable standard - many bumps; areas Sanding to an acceptable standard - some bumps; most areas Sanding to a good standard - limited bumps; most areas Sanding to an excellent standard - no bumps; all areas		9		0.80
Smoothness of ALL Faces - by feel with hand plus checking Sanding to an unacceptable standard - many bumps; areas Sanding to an acceptable standard - some bumps; most areas Sanding to a good standard - limited bumps; most areas		9		0.80

Criterion E Total Mark 17.40

Sanding to an excellent standard - no bumps; all areas s				
Smoothness of all ARRIS - by feel with hand, checking for	9			0.80
Sanding to an unacceptable standard - many bumps; arris				
Sanding to an acceptable standard - some bumps; most a				
Sanding to a good standard - limited bumps; most areas s				
Sanding to an excellent standard - no bumps; all areas sa				
Smoothness of all CURVES - by feel with hand, checking	9			2.00
Sanding to an unacceptable standard - many bumps; arris				
Sanding to an acceptable standard - some bumps; most a				
Sanding to a good standard - limited bumps; most areas s				
Sanding to an excellent standard - no bumps; all areas sa				
Smoothness of all CHAMFERS - by feel with hand, checki	9			0.80
Sanding to an unacceptable standard - many bumps; arris				
Sanding to an acceptable standard - some bumps; most a				
Sanding to a good standard - limited bumps; most areas s				
Sanding to an excellent standard - no bumps; all areas sa				
Up to and including 1 mm = 0.3 marks, Up to and includin	3	5		0.30
Up to and including 1 mm = 0.3 marks, Up to and includin	3	6		0.30
Smoothness of ALL Faces - by feel with hand plus checkin	9			0.80
Sanding to an unacceptable standard - many bumps; area				
Sanding to an acceptable standard - some bumps; most a				
Sanding to a good standard - limited bumps; most areas s				
Sanding to an excellent standard - no bumps; all areas sa				
Smoothness of ALL Faces - by feel with hand plus checkin	9			0.80
Sanding to an unacceptable standard - many bumps; area				
Sanding to an acceptable standard - some bumps; most a				
Sanding to a good standard - limited bumps; most areas s				
Sanding to an excellent standard - no bumps; all areas sa				
Smoothness of ALL Faces - by feel with hand plus checkin	9			0.80
Sanding to an unacceptable standard - many bumps; area				
Sanding to an acceptable standard - some bumps; most a				
Sanding to a good standard - limited bumps; most areas s				
Sanding to an excellent standard - no bumps; all areas sa				
Smoothness of ALL Faces - by feel with hand plus checkin	9			0.80
Sanding to an unacceptable standard - many bumps; area				
Sanding to an acceptable standard - some bumps; most a				
Sanding to a good standard - limited bumps; most areas s				

Sanding to an excellent standard - no bumps; all areas s					
Smoothness of ALL Faces - by feel with hand plus checkin		9			0.80
Sanding to an unacceptable standard - many bumps; area					
Sanding to an acceptable standard - some bumps; most a					
Sanding to a good standard - limited bumps; most areas s					
Sanding to an excellent standard - no bumps; all areas sa		9			0.80
Smoothness of all ARRIS - by feel with hand, checking for					
Sanding to an unacceptable standard - many bumps; arris					
Sanding to an acceptable standard - some bumps; most a					
Sanding to a good standard - limited bumps; most areas s					
Sanding to an excellent standard - no bumps; all areas sa		9			1.50
Smoothness of all CURVES - by feel with hand, checking					
Sanding to an unacceptable standard - many bumps; arris					
Sanding to an acceptable standard - some bumps; most a					
Sanding to a good standard - limited bumps; most areas s					
Sanding to an excellent standard - no bumps; all areas sa		9			0.80
Smoothness of all CHAMFERS - by feel with hand, checki					
Sanding to an unacceptable standard - many bumps; arris					
Sanding to an acceptable standard - some bumps; most a					
Sanding to a good standard - limited bumps; most areas s					
Sanding to an excellent standard - no bumps; all areas sa					
Up to and including 1 mm = 0.25 marks, Up to and includi	0	3	5		0.25
Up to and including 1 mm = 0.25 marks, Up to and includi	0	3	6		0.25
Up to and including 1 mm = 1.20 marks, Up to and includi	0	10	5		1.20
Up to and including 1 mm = 1.20 marks, Up to and includi	0	10	5		1.20
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark	
No missing component = 0.5; 1.0 missing component = 0	0	5	7		0.50
0 Non conformity = 0.5 ; 1 non conformity = 0.25 ; 2 or m	0	9	7		0.50
no extra material = 1 1 piece extra material = .50	0	1	8		1.00

Criterion F Total Mark 3.00

2 pieces extra material = 0

No missing component = 0.5; 1.0 missing component = 0

0 Non conformity = 0.5 ; 1 non conformity = 0.25 ; 2 or more non conformity = 0

		5	7	0.50
		9	7	0.50
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark

Criterion G Total Mark 0.00

Criterion H Total Mark 0.00

Criterion I Total Mark 0.00

Competition Total Mark 100.00