PRACTICAL TASK MANUAL

6706-28 Level 2 Diploma in Wood Machining for Joinery Manufacture

July 2014 Version 1.0

City & Guilds

Contents

Candidate details

This *Practical task manual* is a record of your achievement in practical assessments. You must keep it in good condition and it must be stored in a safe place by your Assessor.

Please fill in all of your details before you carry out any assessments.

Candidate Details

Surname		Forename(s)	

City & Guilds enrolment number	

Centre Details

Name		Centre No	

I understand the requirements of the qualification and that all the work towards the assessments must be my own.

Candidate signature	

Assessor name (please print)		Signed	

Date	

Unit assessment overview
Practical task completion record

To be completed by Assessor:

All tasks must be passed for the unit to be achieved.

Unit 262 Setting and operating fixed sawing machines

Task	Grade for task
1 Change saw blades	P / X
2 Produce sawn materials to given sizes	P / M / D / X
End of unit knowledge test	P / X

Assessor signature and date:

The overall grade will be the same as the single graded task in this unit.

Overall grade

Unit 263 Setting and operating fixed planing machines

Task	Grade for task
1 Change cutter knives on a surface planer	P / X
2 Produce planed components to given sizes	P / M / D / X
End of unit knowledge test	P / X

Assessor signature and date:

The overall grade will be the same as the single graded task in this unit.

Overall grade

Unit 264 Setting and operating fixed jointing machines

Task	Grade for task
1 Change tooling on jointing machines	P / X
2 Produce jointed components	P / X
End of unit knowledge test	P / X

Assessor signature and date:

Candidates must pass the tasks, and the end of unit knowledge test, for this unit to achieve a pass grade overall.

Overall grade

Unit 265 Setting and operating fixed profiling machines

Task	Grade for task
1 Change tooling on a spindle moulder	P / X
2 Produce profiled components	P / M / D / X
End of unit knowledge test	P / X

Assessor signature and date:

The overall grade will be the same as the single graded task in this unit.

Overall grade

Unit 266 Setting and operating fixed sanding machines

Task	Grade for task
1 Change abrasives on a belt sander	P / X
2 Sand assembled frame components	P / X
End of unit knowledge test	P / X

Assessor signature and date:

Candidates must pass the tasks, and the end of unit knowledge test, for this unit to achieve a pass grade overall.

Overall grade

Unit 267 Setting and operating NC/CNC machines

Task	Grade for task
1 Set up and operate a NC/CNC router	P / X
End of unit knowledge test	P / X

Assessor signature and date:

Candidates must pass the task, and the end of unit knowledge test, for this unit to achieve a pass grade overall.

Overall grade

Instructions to candidates

About this document

This *Practical task manual* contains all of the practical assessment for the 6706-28 Level 2 Diploma in Wood Machining for Joinery Manufacture.

Practical tasks

These tasks let you show your practical skills and are usually graded pass, merit or distinction – a few are pass only. These tasks will be assessed by your assessor watching how you carry out the tasks and checking your final pieces of work.

Before you carry out the task you will be told how it will be assessed and you should read the observation checklist at the end of each task so you know what you need to do to get each grade.

You can ask your assessor for help in understanding the task instructions, but all of the work must be your own.

Health and safety

You must use safe working practices at all times.

You are responsible for your own safety and the safety of others. If you behave in an unsafe way, you will be stopped and given a warning. If you do not meet all of the Health and Safety requirements, the assessment will be stopped. Your assessor will not be able to let you try the task again until they are sure you can work safely.

Time considerations

Each task shows how long it is likely to take. This is for guidance and so you can plan your work. If you have a good reason for needing more time you must explain this to your assessor as soon as possible so they can decide whether you can have more time.

Security

Where an assignment is taken over more than one session, all documentation, paperwork and work products must be labelled carefully with your name and kept securely at the centre. Your assessor will give you directions about how to leave your work.

Opportunities to repeat tasks

The tasks are 'end tests' so you will only be asked to take the assessment when you have had the chance to do all of the learning and practice you need. You will be able to try the whole task again if you do not pass, but you will not be able to take the assessment again just to try to get a better grade.

Feedback

As well as telling you the result for the task, your assessor will give you feedback. They will give you a feedback sheet with details of what you could do to improve, and also what you did well. This will help you to prepare for other assessments or to retake the assessment if you need to.

Unit 262 Setting and operating fixed sawing machines
Task 1 Change saw blades

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment for changing a rip saw and bandsaw blade. • Change a rip saw blade. • Change a bandsaw blade. • Work according to environmental and health and safety regulations.

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
3.1	completed the Risk Assessment form accurately, to meet current health and safety legislation	☐		
3.2	selected a circular saw blade suitable for ripping	☐		
3.3, 3.5	isolated the rip saw, or put in safe mode, as appropriate for the machine	☐		
	removed the rip saw blade, without damage, using tools in accordance with manufacturer's instructions	☐		
	safely stored the used rip saw blade to prevent damage	☐		
	checked the replacement rip saw blade for faults prior to fitting	☐		
	replaced the rip saw blade in the correct direction of rotation	☐		
	tightened the securing nut in accordance with manufacturer's instructions	☐		
	set the riving knife to current ACoP requirements	☐		
	checked and replaced the crown guard	☐		
	correctly stored all tooling	☐		
	performed a test cut	☐		
	left the machine in a safe condition	☐		
3.2	selected a bandsaw blade suitable for cutting a curve with a small radius	☐		
3.3, 3.5	isolated the bandsaw, or put in safe mode, as appropriate for the machine	☐		

AC	The candidate has	Pass	Merit	Distinction
	removed and folded the bandsaw saw blade	☐		
	safely stored the used bandsaw blade to prevent damage	☐		
	Replaced the bandsaw blade in the correct direction of rotation	☐		
	correctly tensioned and tracked the bandsaw blade	☐		
	correctly set the guide and thrust wheel assembly above and below the table	☐		
	replaced the guards correctly	☐		
	correctly stored all tooling	☐		
	performed a test cut	☐		
	left the machine and area in a safe condition	☐		
3.6	followed current environmental and relevant health and safety regulations relating to the changing of saw blades	☐		

Task grading rules	**Task grade:**
To award a **pass**: every activity in the checklist must be successfully achieved.	

Assessor Name	
Assessor Signature	
Date	

Unit 262 Setting and operating fixed sawing machines
Task 2 Produce sawn materials to given sizes

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment • Cut materials economically and safely according to the cutting list provided • Work according to environmental and health and safety regulations.
Diagrams	Figure 1 Door elevation page 28 Figure 2 Vertical section page 29 Figure 3 Horizontal sections page 30 Figure 4 Bolection moulding and horn detail page 31 Figure 5 Rail to stile joint detail and raised and fielded panel detail page 32 Appendix A Cutting list page 36

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
5.1	completed the Risk Assessment form accurately, to meet current health and safety legislation (note: where a risk assessment has been carried out for a previous task, the same form may be added to for this criteria)	☐		
3.4, 5.2, 5.3, 5.4	selected the correct timber stock	☐		
	isolated the crosscut saw, or put in safe mode, as appropriate for the machine	☐		
	set length stops correctly	☐		
	set the guard height correctly	☐		
	checked that extraction is in operation prior to running the machine	☐		
	crosscut all components safely and accurately to length using stops	☐ Within 3 mm	☐ Within 2 mm	☐ Within 1 mm
	isolated the rip saw, or put in safe mode, as appropriate for the machine	☐		
	correctly adjusted the height of the saw blade	☐		
	adjusted the guards to the size of material being cut	☐		
	correctly positioned the fence for ripping	☐		

AC	The candidate has	Pass	Merit	Distinction
	checked that extraction is in operation prior to running the machine	☐		
	ripped all components safely and accurately to width (not undersized)	☐ Within 3 mm	☐ Within 2 mm	☐ Within 1 mm
	Isolated the bandsaw, or put in safe mode, as appropriate for the machine	☐		
	set the guard position and guide assembly correctly	☐		
	used the jig provided to safely cut wedges	☐		
	accurately cut haunches to ensure the correct fit in width and depth (not oversized)	☐ Within 3 mm	☐ Within 2 mm	☐ Within 1 mm
	cut horns accurately to the template within 1 mm (not undersized)	☐		
	isolated the dimension saw, or put in safe mode, as appropriate for the machine	☐		
	adjusted the guards to the size of material being cut	☐		
	checked that extraction is in operation prior to running the machine	☐		
	cut the top panels to the size given and the angle on the rod (not undersized)	☐ Within 0.75 mm	☐ Within 0.50 mm	☐ Within 0.25 mm
	cut the bottom panel to the size given on the rod (not undersized)	☐		
	mitred the bolection mouldings to fit round the bottom panel, without gaps exceeding 0.5 mm	☐		
5.5	followed current environmental and relevant health and safety legislation relating to cutting operations	☐		
	selected and used appropriate PPE	☐		

Task grading rules	Task grade:
Every activity in the checklist must be successfully achieved to award a **pass** grade.	
In addition to the above, all **4** graded activities in the checklist must be achieved to **at least** a merit standard to award a **merit** grade.	
In addition to both of the above, all **4** graded activities in the checklist must be achieved to **at least** a distinction standard to award a **distinction** grade.	

Assessor Name	
Assessor Signature	
Date	

Unit 263 Setting and operating fixed planing machines
Task 1 Change cutter knives on a surface planer

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment for changing cutter knives on a surface planer. • Change cutter knives. • Work according to environmental and health and safety regulations.

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
3.1	completed the Risk Assessment form accurately, to meet current health and safety legislation	☐		
3.2	selected cutter knives suitable for the machine cutter block in use	☐		
3.3, 3.4, 3.5	isolated the surface planer, or put in safe mode, as appropriate for the machine	☐		
	removed the bridge guard and pushed back the fence	☐		
	adjusted the tables to gain access to the cutter block	☐		
	removed the cutter knives from the block, without damage, using tools in accordance with manufacturer's instructions	☐		
	safely stored used cutter knives to prevent damage	☐		
	cleaned the cutter block	☐		
	checked the replacement cutter knives for faults prior to fitting	☐		
	replaced the cutter knives in accordance with manufacturer's instructions	☐		
	re-set the outfeed table to the height of the cutting circle	☐		
	re-set the infeed table to the height required	☐		
	replaced bridge guard and re-positioned fence correctly	☐		
	machined a test piece to check for accuracy of the outfeed table settings and adjusted if required	☐		

AC	The candidate has	Pass	Merit	Distinction
	left the machine and area in a safe condition, with all tooling correctly stored	☐		
3.6	followed current environmental and relevant health and safety regulations relating to the changing of cutter knives	☐		

Task grading rules	**Task grade:**
To award a **pass**: every activity in the checklist must be successfully achieved.	

Assessor Name	
Assessor Signature	
Date	

Unit 263 Setting and operating fixed planing machines
Task 2 Produce planed components to given sizes

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment • Plane components safely according to the cutting list provided • Work according to environmental and health and safety regulations.
Diagrams	Figure 1 Door elevation page 28 Figure 2 Vertical section page 29 Figure 3 Horizontal sections page 30 Figure 4 Bolection moulding and horn detail page 31 Figure 5 Rail to stile joint detail and raised and fielded panel detail page 32 Appendix A Cutting list page 36

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
5.1	completed the Risk Assessment form accurately, to meet current health and safety legislation (note: where a risk assessment has been carried out for a previous task, the same form may be added to for this criteria)	☐		
5.2, 5.3, 5.4	Isolated the surface planer, or put in safe mode, as appropriate for the machine	☐		
	adjusted the depth of cut	☐		
	positioned the fence correctly	☐		
	positioned the bridge guard correctly	☐		
	checked that extraction is in operation prior to running the machine	☐		
	planed timber flat with no saw marks remaining and pitch marks not exceeding 2 mm	☐		
	planed timber square with no saw marks remaining	☐		
	correctly adjusted the height of the thicknesser bed	☐		
	correctly adjusted the anti-friction rollers	☐		
	correctly adjusted the feed speed to meet finished requirements	☐		

AC	The candidate has	Pass	Merit	Distinction
	checked that extraction is in operation prior to running the machine	☐		
	machined components to width (not undersized)	☐ Within 0.75 mm	☐ Within 0.5 mm	☐ Within 0.25 mm
	machined components to thickness (not undersized)	☐ Within 0.75 mm	☐ Within 0.5 mm	☐ Within 0.25 mm
	machined components to achieve minimum grain pick up and pitch marks not exceeding 2 mm	☐ 7 of 10 components	☐ 8 of 10 components	☐ 9 of 10 components
	machined components with no sawn timber remaining	☐ 7 of 10 components	☐ 8 of 10 components	☐ 9 of 10 components
5.5	followed current environmental and relevant health and safety legislation relating to planing operations	☐		
	selected and used appropriate PPE	☐		

Task grading rules	Task grade:
Every activity in the checklist must be successfully achieved to award a **pass** grade.	
In addition to the above, all **4** graded activities in the checklist must be achieved to **at least** a merit standard to award a **merit** grade.	
In addition to both of the above, all **4** graded activities in the checklist must be achieved to **at least** a distinction standard to award a **distinction** grade.	

Assessor Name	
Assessor Signature	
Date	

Unit 264 Setting and operating fixed jointing machines
Task 1 Change tooling on jointing machines

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment for changing tooling on jointing machines. • Change a chisel on a morticer. • Change scribing cutters on a tenoner. • Work according to environmental and health and safety regulations.

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
3.1	completed the Risk Assessment form accurately, to meet current health and safety legislation	☐		
3.2	selected the required chisel	☐		
3.3, 3.4,	isolated the morticer, or put in safe mode, as appropriate for the machine	☐		
	removed the guard	☐		
	removed the chisel and auger, without damage, using tools in accordance with manufacturer's instructions	☐		
	safely stored the used chisel and auger to prevent damage	☐		
	checked the replacement chisel and auger for faults prior to fitting	☐		
	selected the appropriate fittings for the chisel and auger	☐		
	fitted the selected chisel and auger into the machine, with appropriate clearance, in accordance with manufacturer's instructions	☐		
	fitted the chisel square to the fence	☐		
	replaced the guard	☐		
	correctly stored all tooling	☐		
	performed a test cut	☐		
	left the machine and area in a safe condition	☐		
	isolated the tenoner, or put in safe mode, as appropriate for the machine	☐		

AC	The candidate has	Pass	Merit	Distinction
	removed the guards as required	☐		
	fitted the required scribing cutters to block without damage, using tools in accordance with manufacturer's instructions	☐		
	replaced the guards as required	☐		
	correctly stored all tooling	☐		
	performed a test cut	☐		
	left the machine and area in a safe condition	☐		
3.5	followed current environmental and relevant health and safety regulations relating to the changing of tooling for jointing machines	☐		

Task grading rules	**Task grade:**
To award a **pass**: every activity in the checklist must be successfully achieved.	

Assessor Name	
Assessor Signature	
Date	

Unit 264 Setting and operating fixed jointing machines
Task 2 Produce jointed components

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment • Mark out components • Mortice components safely according to the marking out • Tenon components safely according to the marking out • Work according to environmental and health and safety regulations.
Diagrams	Figure 1 Door elevation page 28 Figure 2 Vertical section page 29 Figure 3 Horizontal sections page 30 Figure 4 Bolection moulding and horn detail page 31 Figure 5 Rail to stile joint detail and raised and fielded panel detail page 32

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
5.1	completed the Risk Assessment form accurately, to meet current health and safety legislation (note: where a risk assessment has been carried out for a previous task, the same form may be added to for this criteria)	☐		
5.2, 5.3, 5.4, 5.5	Isolated the morticer, or put in safe mode, as appropriate for the machine	☐		
	checked the chisel for size, square to fence and auger clearance	☐		
	morticed components to the correct position in relation to the face marks within 1 mm	☐		
	morticed components to the correct length within 1 mm (not oversized)	☐		
	morticed haunches and stub mortices to the correct depth within 1 mm	☐		
	morticed without breakout	☐		
	isolated the tenoner, or put in safe mode, as appropriate for the machine	☐		
	checked that the tenoning and scribing heads are in correct position	☐		
	checked that the guards are fitted	☐		

AC	The candidate has	Pass	Merit	Distinction
	checked that extraction is in operation prior to running the machine	☐		
	machined all rails and the muntin to the given shoulder length within 1 mm (not undersized)	☐		
	machined all tenons to fit the mortices, flush to the face within 0.5 mm	☐		
	machined all tenons to fit the mortices, with a snug fit	☐		
	scribed the shoulders tight to the moulding profile within 0.5 mm	☐		
5.6	followed current environmental and relevant health and safety legislation relating to jointing operations	☐		
	selected and used appropriate PPE	☐		

Task grading rules	**Task grade:**
To award a **pass**: every activity in the checklist must be successfully achieved.	

Assessor Name	
Assessor Signature	
Date	

Unit 265 Setting and operating fixed profiling machines
Task 1 Change tooling on a spindle moulder

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment for changing tooling on a spindle moulder. • Change tooling on a spindle moulder. • Work according to environmental and health and safety regulations.

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
3.1	completed the Risk Assessment form accurately, to meet current health and safety legislation	☐		
3.2	selected the required cutter block	☐		
3.3, 3.4	isolated the spindle moulder, or put in safe mode, as appropriate for the machine	☐		
	removed the guards/power-feed	☐		
	removed the false fence/adjusted the finger fence	☐		
	removed the cutter block, without damage, using tools in accordance with manufacturer's instructions	☐		
	safely stored the used cutter block to prevent damage	☐		
	checked the replacement cutter block for faults prior to fitting and changed the cutters and limiters if required	☐		
	fitted the selected cutter block into the machine in accordance with the manufacturer's instructions	☐		
	selected the correct spindle speed for the block chosen	☐		
	set the block height correctly	☐		
	replaced the false fence/re-set the finger fence	☐		
	replaced the guards/power-feed	☐		
	broken through the false fence as appropriate	☐		
	correctly stored all tooling	☐		
5.4	performed a test cut	☐		

AC	The candidate has	Pass	Merit	Distinction
	left the machine and area in a safe condition	☐		
3.5	followed current environmental and relevant health and safety regulations relating to the changing of tooling for profiling machines	☐		

Task grading rules	**Task grade:**
To award a **pass**: every activity in the checklist must be successfully achieved.	

Assessor Name	
Assessor Signature	
Date	

Unit 265 Setting and operating fixed profiling machines
Task 2 Produce profiled components

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment • Profile components safely according to the drawings provided • Work according to environmental and health and safety regulations.
Diagrams	Figure 1 Door elevation page 28 Figure 2 Vertical section page 29 Figure 3 Horizontal sections page 30 Figure 4 Bolection moulding and horn detail page 31 Figure 5 Rail to stile joint detail and raised and fielded panel detail page 32

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
5.1	completed the Risk Assessment form accurately, to meet current health and safety legislation (note: where a risk assessment has been carried out for a previous task, the same form may be added to for this criteria)	☐		
5.3	checked that extraction is in operation prior to running the machine	☐		
5.5	ploughed the grooves for the loose tongues to the correct depth	☐ Within 0.75 mm	☐ Within 0.50 mm	☐ Within 0.25 mm
	ploughed the grooves for the loose tongues to length using fixed end stops and the jig provided	☐ Within 3 mm	☐ Within 2 mm	☐ Within 1 mm
	checked that the groove width allows the loose tongue to fit snugly	☐		
	ploughed the groove for the panels to the correct depth	☐ Within 0.75 mm	☐ Within 0.50 mm	☐ Within 0.25 mm
	checked that the groove width allows the panels to fit snugly	☐		
	moulded the door components to the correct profile within 0.5 mm	☐		
	moulded the door components, without dips and pitch marks not exceeding 2 mm	☐		
	moulded the panel with no breakout	☐		
	moulded the panel to fit the groove snugly	☐		

AC	The candidate has	Pass	Merit	Distinction
	produced the rebate on the bolection mouldings accurately within 0.5 mm	☐		
	produced the bevel on the bolection mouldings accurately within 0.5 mm	☐		
5.2, 5.3, 5.5	selected, changed and set up tooling safely and appropriately and carried out pre-start checks prior to each profiling operation	☐		
5.6	followed current environmental and relevant health and safety legislation relating to profiling operations	☐		
	selected and used appropriate PPE	☐		

Task grading rules	Task grade:
Every activity in the checklist must be successfully achieved to award a **pass** grade.	
In addition to the above, all **3** graded activities in the checklist must be achieved to **at least** a merit standard to award a **merit** grade.	
In addition to both of the above, all **3** graded activities in the checklist must be achieved to **at least** a distinction standard to award a **distinction** grade.	

Assessor Name	
Assessor Signature	
Date	

Unit 266 Setting and operating fixed sanding machines
Task 1 Change abrasives on a belt sander

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment for changing abrasives on a belt sander. • Change abrasives on a belt sander. • Work according to environmental and health and safety regulations.

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
3.1	completed the Risk Assessment form accurately, to meet current health and safety legislation	☐		
3.2	selected the required abrasive belt	☐		
3.3, 3.4	isolated the belt sander, or put in safe mode, as appropriate for the machine	☐		
	removed the existing abrasive belt, without damage, using tools in accordance with manufacturer's instructions	☐		
	safely stored the used belt to prevent damage	☐		
	checked the replacement belt for faults prior to fitting	☐		
	fitted the selected belt in the correct direction of rotation, in accordance with manufacturer's instructions	☐		
	run the machine to ensure the correct fitting of the belt	☐		
	left machine and area safe and tidy with all tooling correctly stored	☐		
3.5	followed current environmental and relevant health and safety regulations relating to the changing of abrasives for sanding machines	☐		

Task grading rules	Task grade:
To award a **pass**: every activity in the checklist must be successfully achieved.	

Assessor Name	
Assessor Signature	
Date	

Unit 266 Setting and operating fixed sanding machines
Task 2 Sand assembled frame components

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment • Sand assembled frame components safely • Work according to environmental and health and safety regulations.
Diagrams	Figure 1 Door elevation page 28 Figure 2 Vertical section page 29 Figure 3 Horizontal sections page 30 Figure 4 Bolection moulding and horn detail page 31 Figure 5 Rail to stile joint detail and raised and fielded panel detail page 32

Assessment criteria checklist

AC	The candidate has	Pass	Merit	Distinction
5.1	completed the Risk Assessment form accurately, to meet current health and safety legislation (note: where a risk assessment has been carried out for a previous task, the same form may be added to for this criteria)	☐		
5.2, 5.3, 5.4	isolated the sander, or put in safe mode, as appropriate for the machine	☐		
	checked that a suitable abrasive is fitted and free of defects	☐		
	adjusted the table bed to suit sanding requirements	☐		
	selected the correct feed speed as required	☐		
	checked that extraction is in operation prior to running the machine	☐		
	sanded components, without burn marks and no dips	☐		
	sanded the assembled components, ensuring the joints are flush	☐		
5.5	followed current environmental and relevant health and safety legislation relating to sanding operations	☐		
	selected and used appropriate PPE	☐		

Task grading rules	Task grade:
To award a **pass**: every activity in the checklist must be successfully achieved.	

Assessor Name	
Assessor Signature	
Date	

Unit 267 Setting and operating NC/CNC machines
Task 1 Set up and operate a NC/CNC router

Task coversheet

Expected time	2 hours
Task instructions	• Complete a risk assessment • Set up and operate the NC/CNC router • Work according to environmental and health and safety regulations.
Diagrams	Figure 6 NC/CNC routed panel and door page 33 Figure 7 NC/CNC routed panel and horizontal detail page 34 Figure 8 NC/CNC routed panel vertical section page 35

Assessment criteria checklist

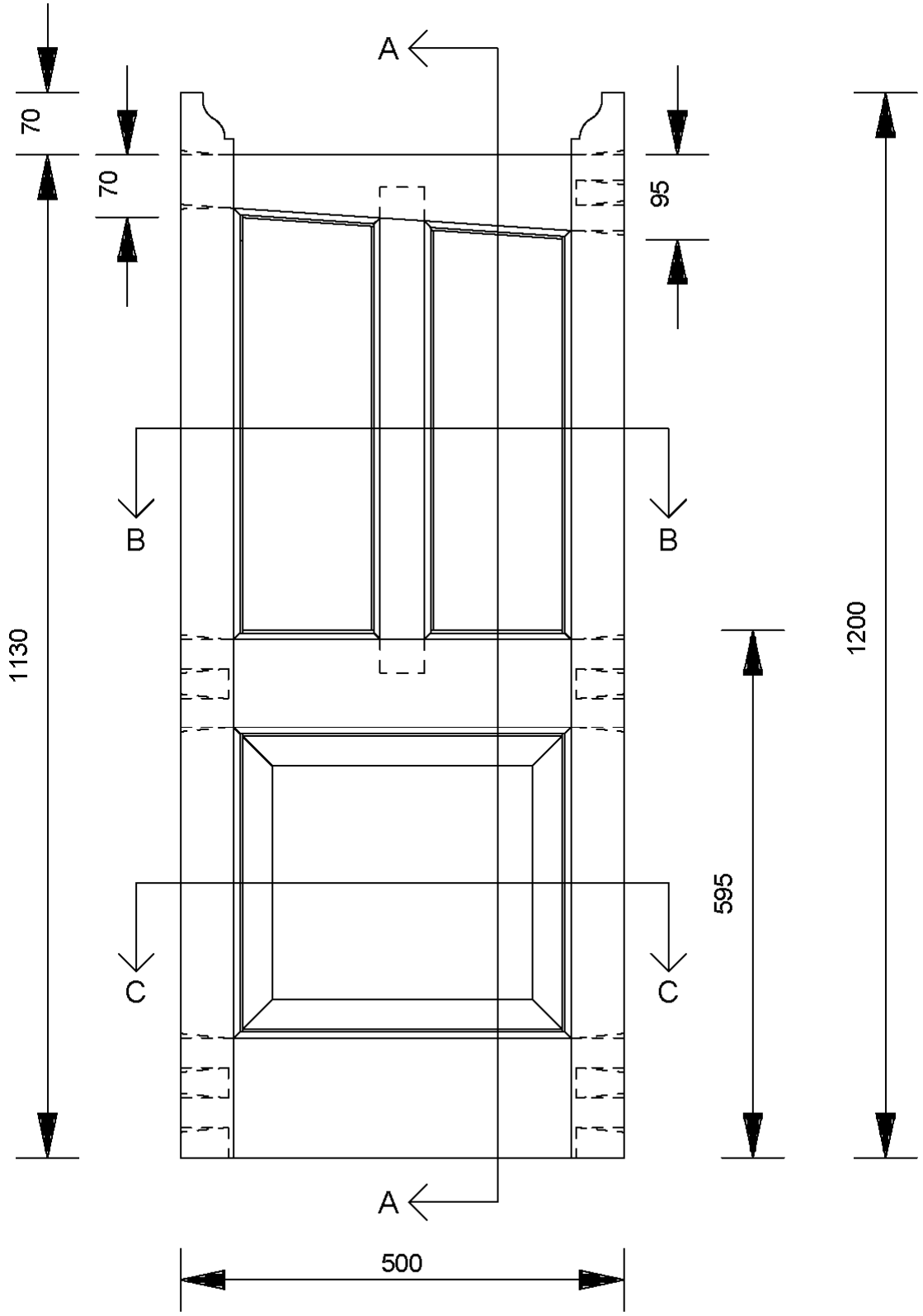
AC	The candidate has	Pass	Merit	Distinction
3.1	completed the Risk Assessment form accurately, to meet current health and safety legislation	☐		
3.2, 3.3, 3.4	selected the appropriate tooling	☐		
	fitted tooling as per the manufacturer's instructions	☐		
	selected the appropriate program	☐		
	positioned the work piece correctly using appropriate holding devices	☐		
	checked that extraction is in operation prior to running the machine	☐		
	produced a panel mould detail in the correct position within 0.5 mm	☐		
3.5	followed current environmental and relevant health and safety regulations relating to the use of NC/CNC machines	☐		

Task grading rules	**Task grade:**
To award a **pass**: every activity in the checklist must be successfully achieved.	

Assessor Name	
Assessor Signature	
Date	

Drawings and diagrams
Units 262, 263, 264, 265 and 266

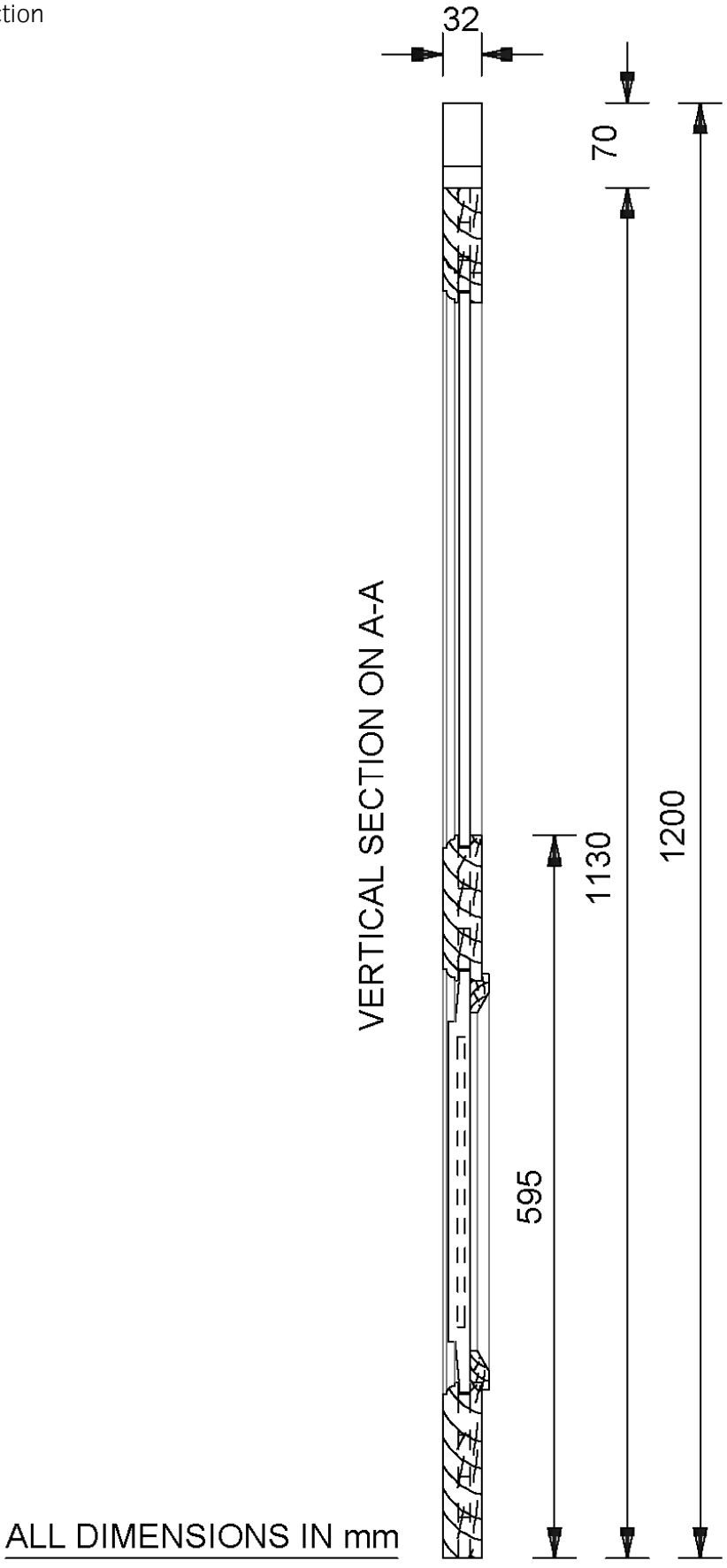
Figure 1 Door elevation



ALL DIMENSIONS IN mm

Units 262, 263, 264, 265 and 266

Figure 2 Vertical section



Units 262, 263, 264, 265 and 266

Figure 3 Horizontal sections

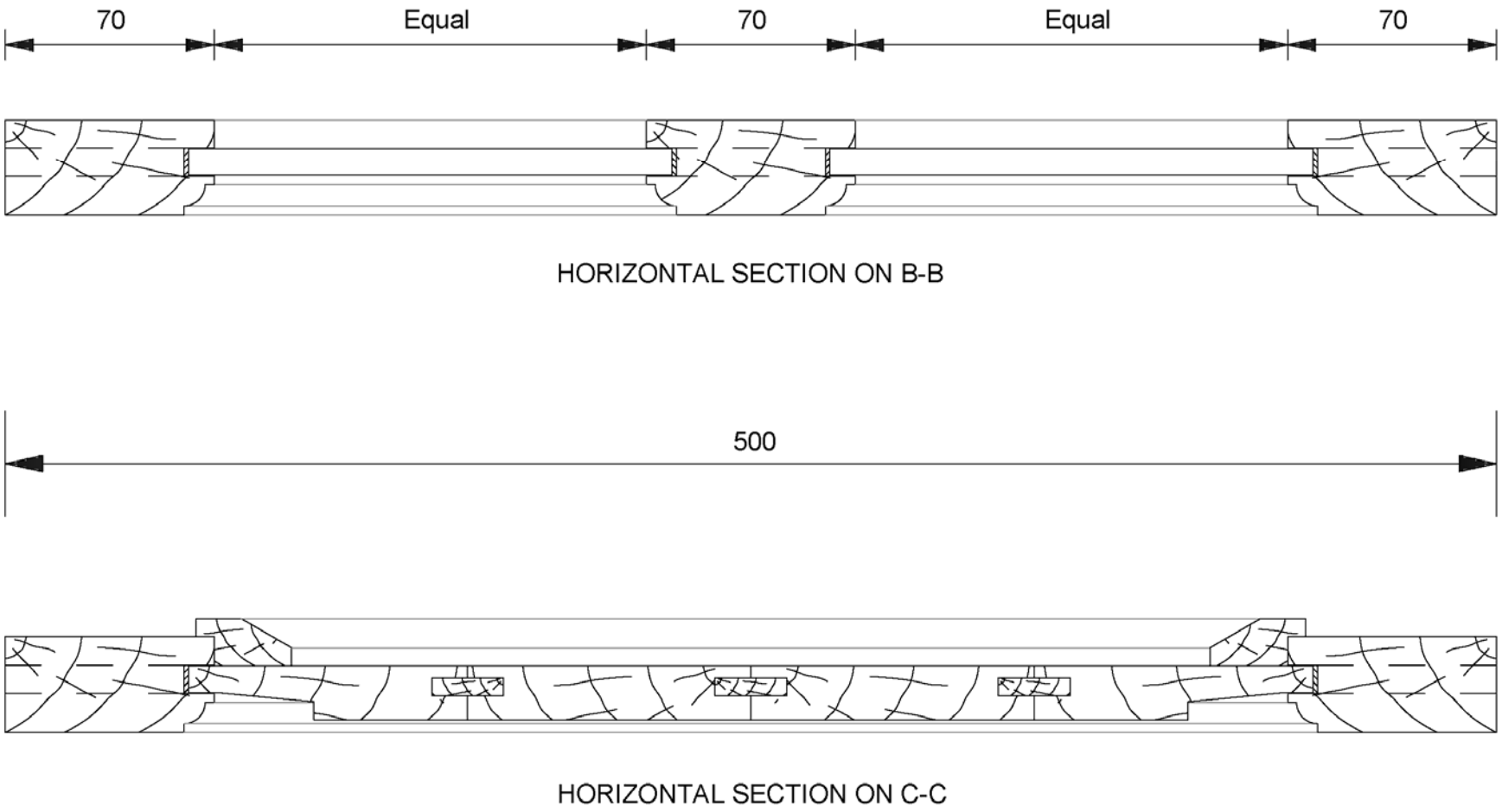
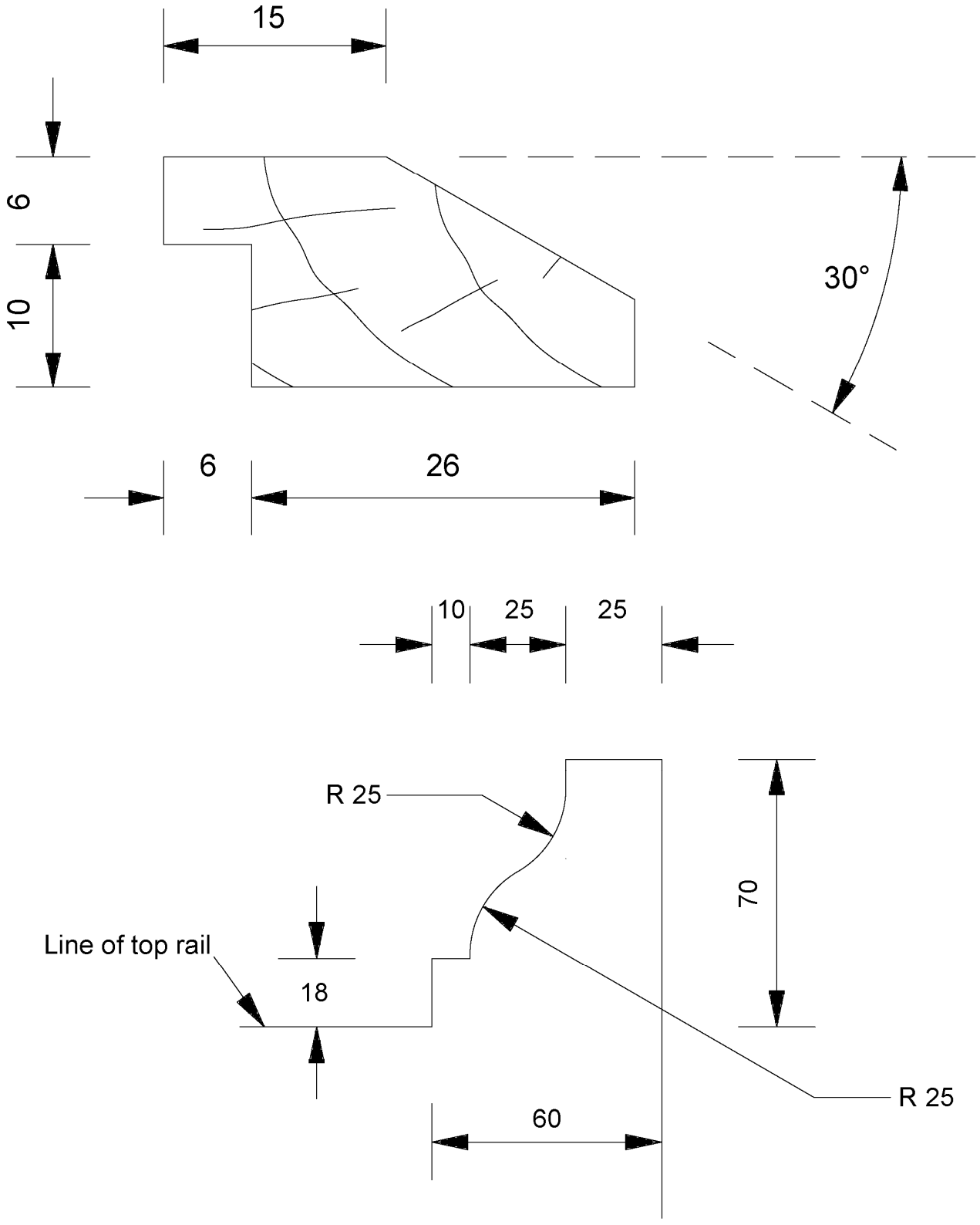


Figure 4 Bolection moulding and horn detail



Drawings and diagrams
Units 262, 263, 264, 265 and 266

Figure 5 Rail to stile joint detail and raised and fielded panel detail

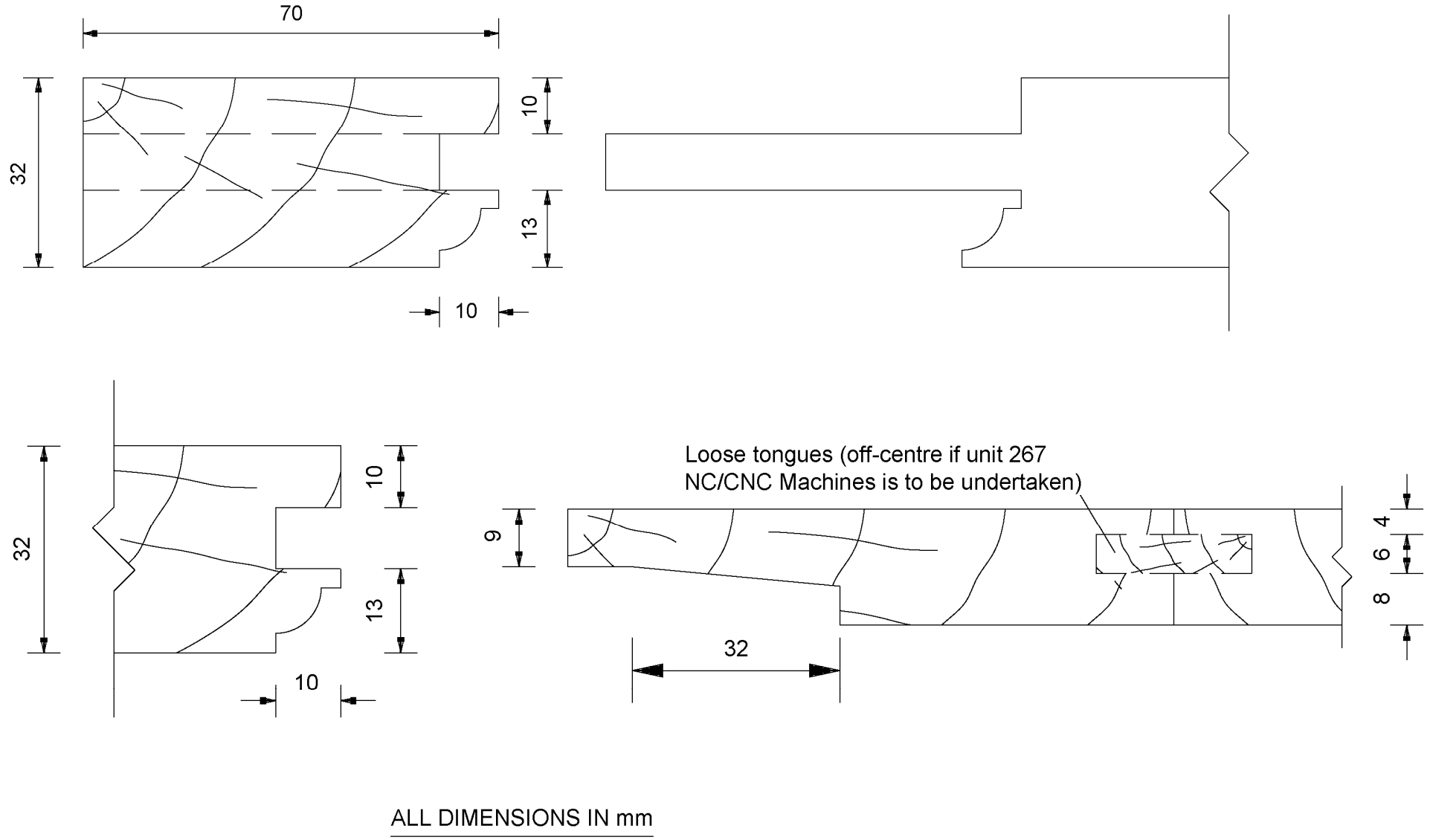
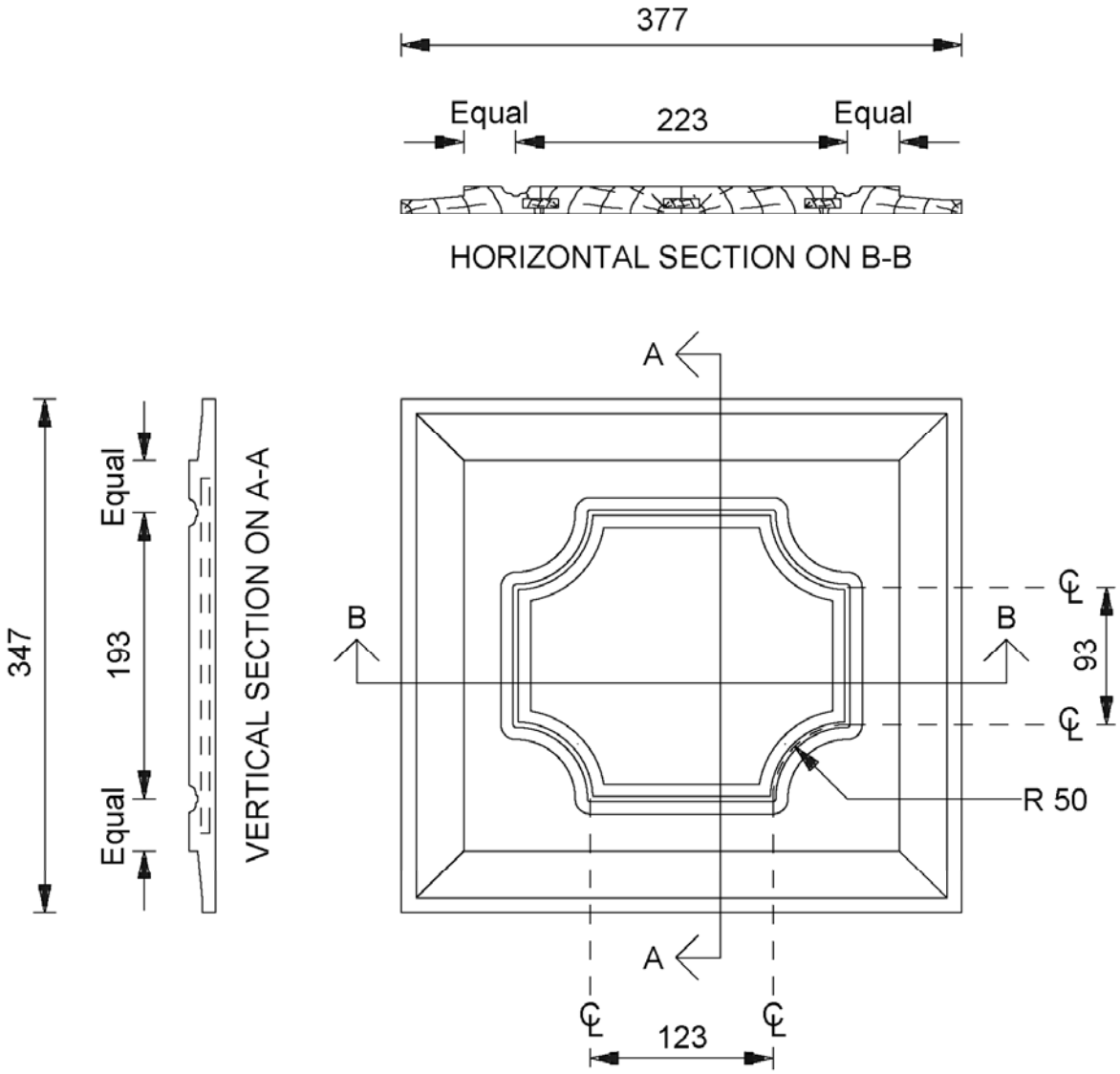


Figure 6 NC/CNC routed panel and door



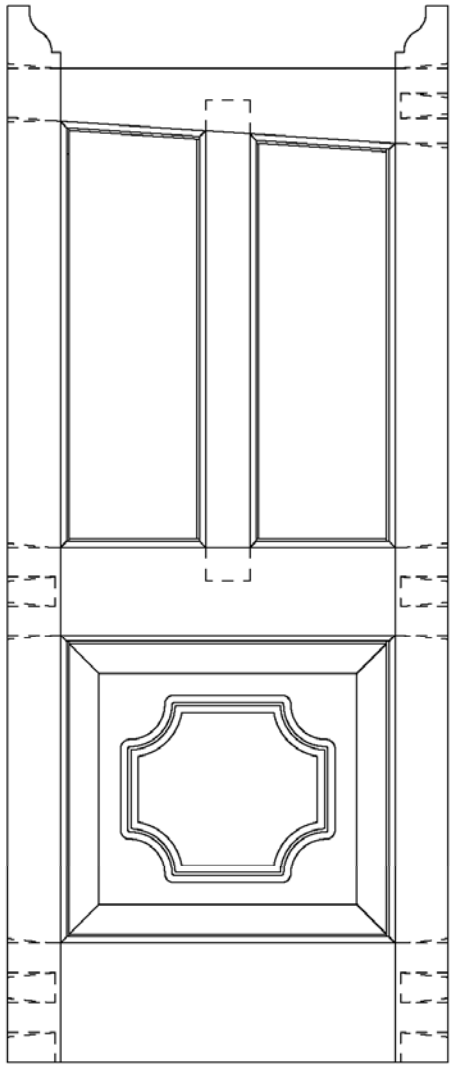


Figure 7 NC/CNC routed panel and horizontal detail

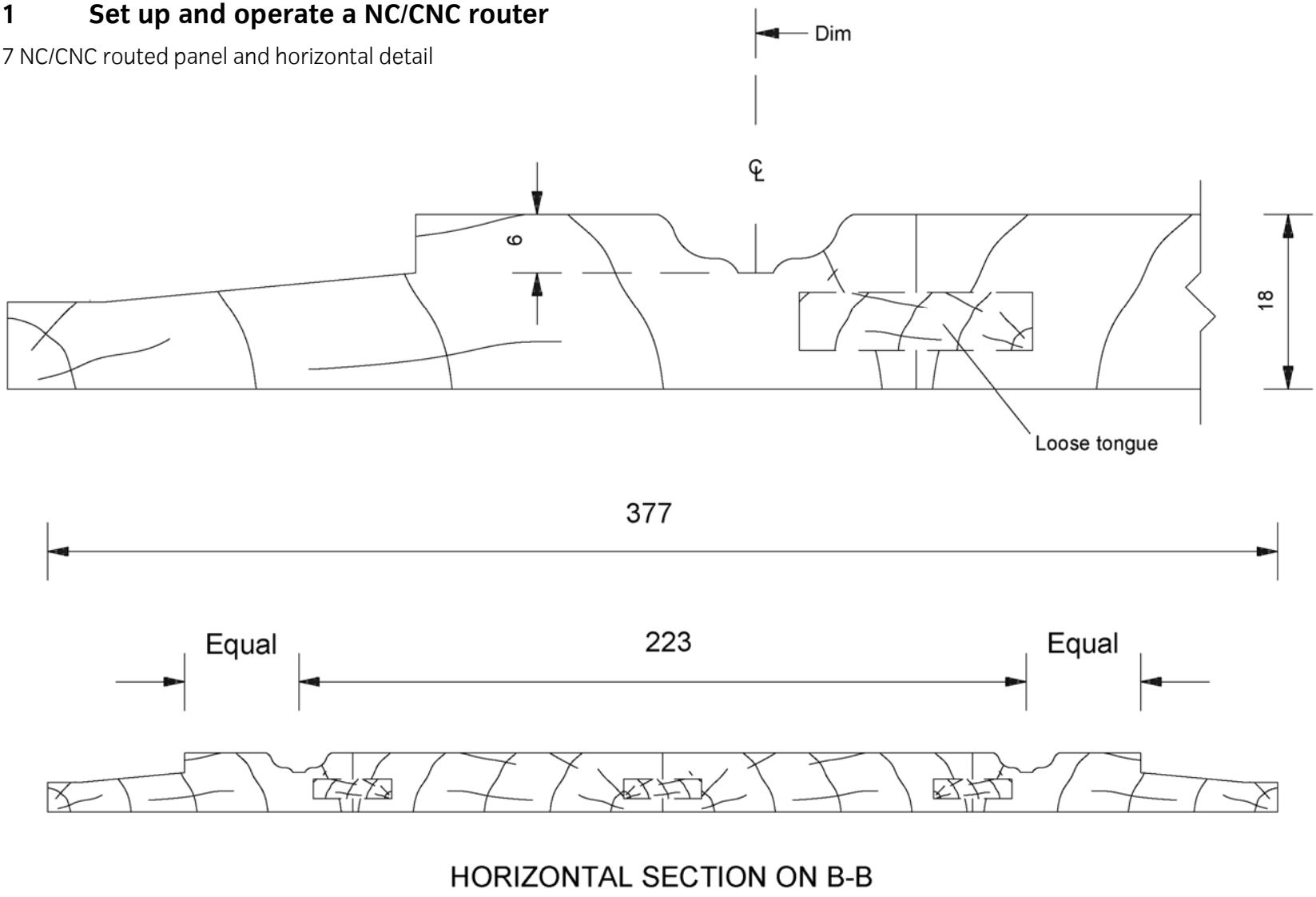
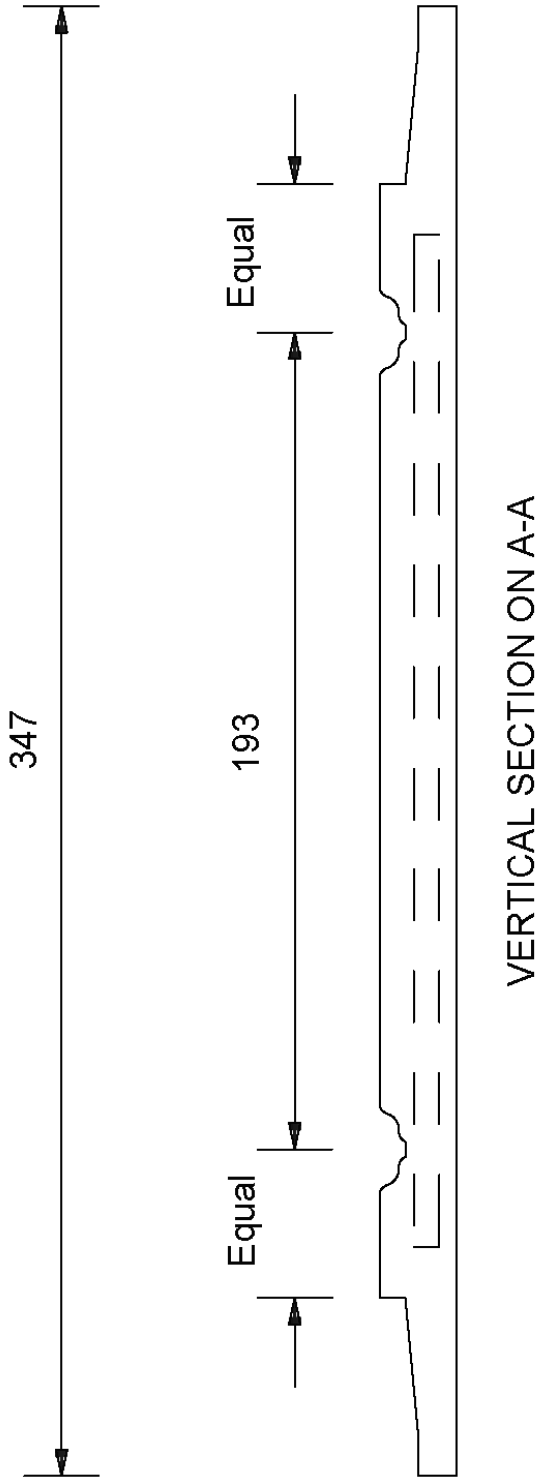


Figure 8 NC/CNC routed panel vertical section



ALL DIMENSIONS IN mm

Appendices
Appendix A – Cutting list

Component/item	Material	Quantity	Length	Sawn width	Sawn thickness	Planed width	Planed thickness	Comments
Stiles	European Redwood	2	1250	75	38	70	32	
Muntin	European Redwood	1	600	75	38	70	32	
Top rail	European Redwood	1	525	100	38	95	32	
Middle rail	European Redwood	1	525	125	38	120	32	
Bottom rail	European Redwood	1	525	150	38	145	32	
Bolection mouldings	European Redwood	2	900	38	22	32	16	Each piece to cut 2 (4 in total)
Panels	European Redwood	2	750	100	25	95	18	Each piece to cut 2 (4 in total). To be jointed using loose tongues
Panel	MDF/Plywood	1	482	162			9	
Panel	MDF/Plywood	1	468	162			9	

Published by City & Guilds
1 Giltspur Street
London
EC1A 9DD
T +44 (0)844 543 0000
F +44 (0)20 7294 2413
www.cityandguilds.com

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