

The Carpenters' College Award
For Craftsmanship
2024-25 Kitchen Hatchway & Doors
Candidate Pack



Introduction

The design of this competition piece has been influenced by the fact that the Kitchen Hatchway & doors can be, and indeed is, used by some colleges, to provide part of the NVQ skills syllabus being taught in many training establishments throughout the UK, thereby incurring no additional time and cost to implement but allowing an increased element to provide further motivation for the students and staff. The competition provides the chance to participate in a national event with both kudos and esteem for the successful students and colleges. Further, it was also envisaged that the Kitchen Hatchway & Doors could be used in a practical way; by removing the architrave supports, the unit could be used in a partition to provide serving access between kitchen and dining room.

Finish

Prepare the various parts and assemble. The work is to be cleaned up and finished smooth ready to receive a high-quality paint finish. However, it must be left in the white and attempting to apply any type of finish by the candidate will be penalised.

Lining

The jambs are to be connected to the head and sill using a stopped housing joint and fixed with two screws to each joint (20); the 9mm square tongues are stopped 5mm from the front elevation of the lining. The curved moulding to the sill is to be returned in itself either end. The ends of the sill are to be cut flush with the backside of the jambs but allowing the moulding projection to extend the full width, see section **A-A**. Two 6mm ply gussets, 200mm by 200mm should be pinned to the backside top corners of the lining to maintain squareness of the frame.

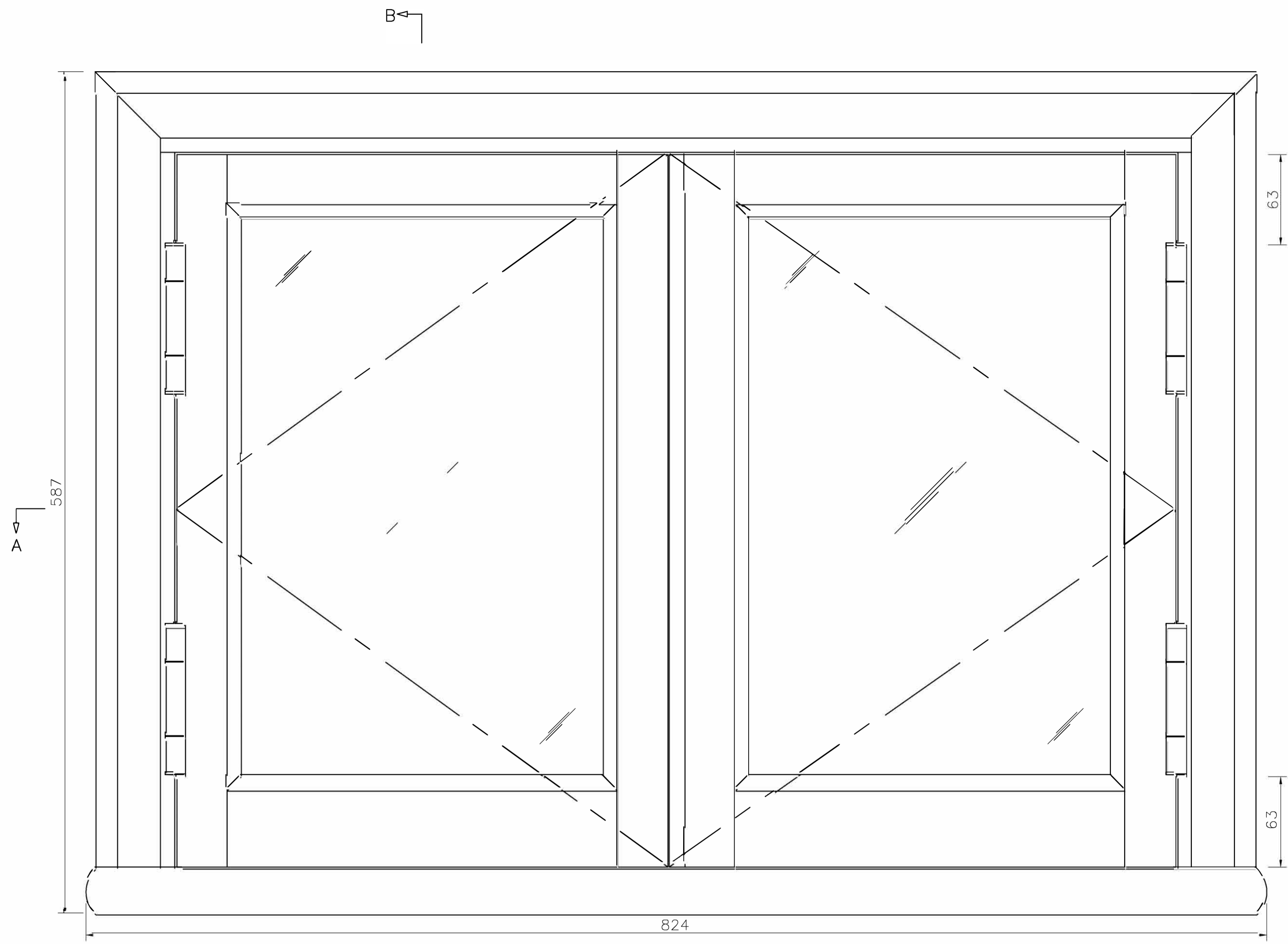
Doors

The doors are to be constructed using through mortise & tenon joints, glued and wedged in the traditional way. The rails are to have offset shoulders; the long shoulder being on the front side of the door, this will necessitate mitres to the moulding. However, on the other side of the doors i.e. short shoulder side. the 2mm square sunk moulding is to be applied by electrical router and the corners squared off, once the doors are assembled. NB the long shoulder position is indicated by the dotted line on section B-B (6&7). The doors are to be hung on a pair of brass butts (16), to be operated by brass knob furniture (18) fixed by a centre screw (i.e. no fixings to be visible on the other side of the door), and held in position with Hafele brass ball catches (17) or similar. The rebated meeting stiles should have a 2mm deep moulding to both faces and be 'under-shot' to provide a 1mm joint as indicated.

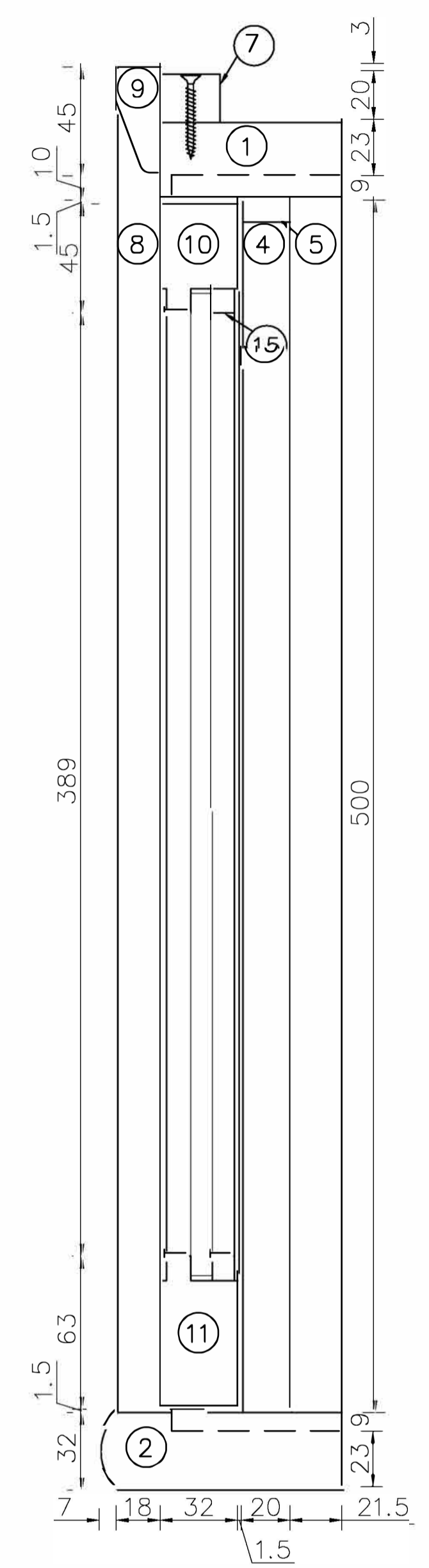
Architraves

Support sections (11&12) are to be screwed (19) to the rear side of the jambs and head to enable the back edge of the architrave to be fixed with 40mm oval brads and the front edge pinned to the lining with 25mm panel pins, (21) all nails to be punched below the surface. The corner mitres should be glued (to maintain stability of the joint) and pinned through the edge in the traditional way.

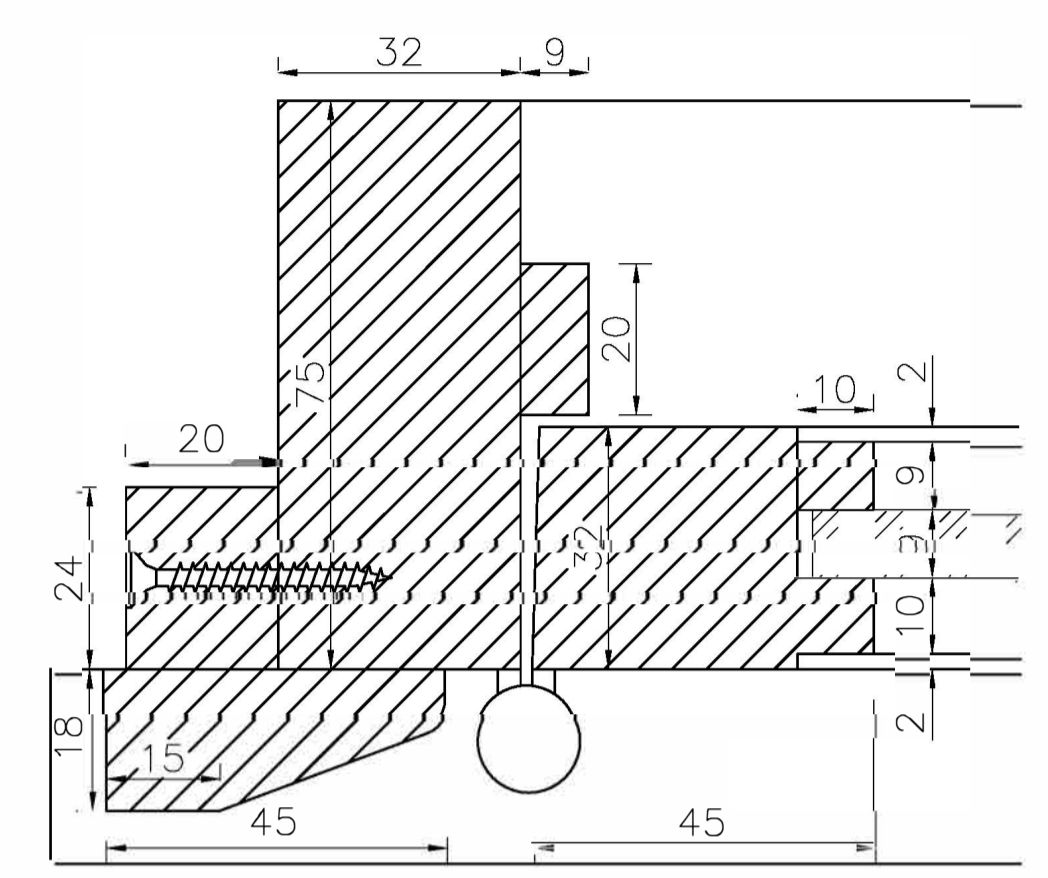
NB All reference numbers relate to the cutting list item.



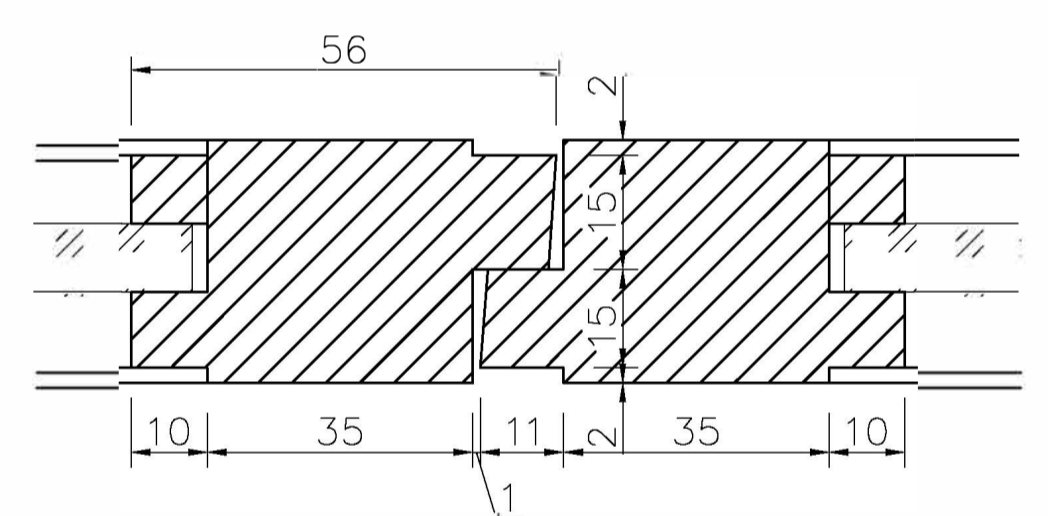
FRONT ELEVATION
1:2



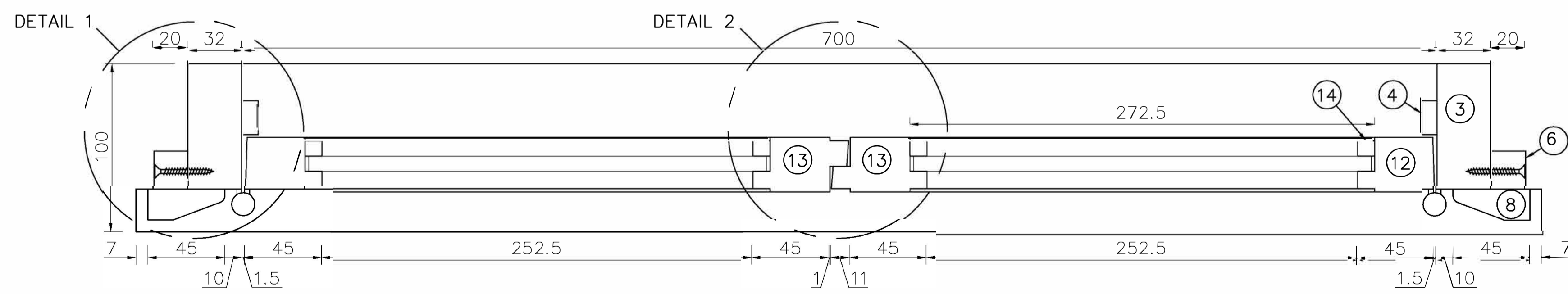
SECTION B-B
1:2





DETAIL 1
1:1



DETAIL 2
1:1



SECTION A-A
1:2

Drawing Title		
Kitchen Hatchway & Doors		
Scale: DO NOT SCALE		
Drawn By: GARY SMITH	Date Drawn: 23/07/24	Checked By:
THE CARPENTERS CRAFT COMPETITION  		
Drawing Status: CONSTRUCTION ISSUE		
Drawing Number: 1000-001-01	Revision: A	

THIS DRAWING REMAINS THE COPYRIGHT © OF DON STEVENS AND MAY NOT BE REPRODUCED IN FULL OR PART THEREOF WITHOUT WRITTEN PERMISSION.

Cutting List and Inspection Record (Revision No. 0 Date; 023/07/24)

Customer: The Carpenters College		Cert: FSC		Job No. 1000		
Job Description: Kitchen Hatchway & Doors				Drawing Refs: 1000-001-01		
Qty	Description	Material	Length	Width	Thickness	No.
	Frame					
1	Head	S/W	764	75	32	1
1	Cill	S/W	824	100	32	2
2	Jambs	S/W	518	75	32	3
2	Stop bead (Allow for mitre)	S/W	500	20	9	4
1	Stop bead (Allow for mitres)	S/W	350	20	9	5
2	Frame build-up	S/W	532	24	20	6
1	Frame build-up	S/W	804	24	20	7
2	Architrave (Allow for mitre)	S/W	555	45	18	8
1	Architrave (Allow for mitres)	S/W	780	45	18	9
	Doors					
2	Top rail	S/W	291	45	32	10
2	Bottom rail	S/W	291	63	32	11
2	Stiles	S/W	497	45	32	12
2	Meeting stiles	S/W	497	56	32	13
4	Glazing beads (Allow for mitres)	S/W	409	10	9	14
4	Glazing beads (Allow for mitres)	S/W	272.5	10	9	15
2	Wooden panels	S/W	405	268	9	16
INSPECTION SIGNATURES AND DATES						
1. Cutting sheet Checked by:			2. Materials/Machining Checked by:			
Date:			Date:			
3. Assembly Check by:			4. Final Inspection Check and Comments:			
Date:			Date:			
5. Comments:						
Date:						



The Carpenters' College Award
For Craftsmanship
2024-25 Kitchen Hatchway & Doors



Description	Max. Mark	Sub Total	CANDIDATE NUMBER					
JOINTS - INCLUDING FIT								
Lining - tongues & stopped housings	4 x 20	80						
Door framing - top & bottom rails to stiles	8 x 30	240						
Door Panels to rebate (fit)	2 x 10	20						
Mitres to door beadings	8 x 8	64						
Mitres to architraves	2 x 15	30	434					
SHAPING- including correct dimensions								
Door beadings & fixings	8 x 4	32						
Routing to mouldings & squared comers	8 x 10	80						
Meeting stiles rebates & mouldings	4 x 10	40						
Curved moulding to sill	1 x 10	10						
Curved moulding to sill returned on end grain	2 x 15	30						
Architraves shape and fixing	3 x 14	42						
Ply Gussets & fixing	2 x 5	10	244					
DIMENSIONS - NB - deduct 1mark for each mm inaccuracy								
0/A height of hatchway lining	1 x 20	20						
0/A width of hatchway lining	1 x 20	20						
Hanging joint to doors and lining (1.5mm)	6 x 5	30						
Joint to meeting stiles 1mm (both sides)	2 x 10	20						
Cut ends of sill; dimensions & finish	2 x 6	12						
Diagonals - test for square	2 x 15	30						
Architrave to lining margin	3 x 8	24						
Position & fit of butts & screws	4 x 15	60	216					
GENERAL								
Doors - under-shoot leading edges, clean bevel	2 x 8	16						
Position & fit of knob furniture	2 x 4	8						
Position & fit of ball catches	2 x 6	12						
Fixing & position of architrave supports	3 x 4	12						
Finish - flat, square and clean	1 x 40	40	106					
TOTAL			1000					
Divide by 10 to convert to percentage			100%					