



Industrial Technology

Stage 5 - Year 10

Hall Table



Contents

1. Rationale.....	3
2. Description of project.....	3
3. Materials	4
4. Cutting list and Costing	5
5. Construction Process	6
6. Engineering Drawings	7

1. Rationale

The purpose of this project is to design, develop and construct a project from a set of specifications. Students are to complete design research. This will hopefully allow greater understanding of the purpose of the project as well as the design and construction methods selected.

Design development resulting in individualisation of project is encouraged. An accompanying Portfolio will document all of these processes.

2. Description of project

The Hall Table is designed to be a useful item which elegantly blends into the homes furniture. This piece is taken from an era of grand Australiana homes with wide long hallways which would feature a hall table to sit any number of items, including keys, flowers, photo frames and more. This project is designed to be taken home by students and used practically in the home, it should be a visual reminder in years to come, of the usefulness the Stage 5 Industrial Technology course was. It also allows family member to see, use and appreciate something that you made.

The Hall Table employs many of the techniques use is larger projects and is designed as part of a sequenced progression of skill building. This is especially helpful for those students looking a completing Industrial Technology or Design and Technology in Stage 6. Widening Joints, leg and rail construction, doweling, planning and routed edge detailing are all elements of the project.

3. Materials

Warm, dense and resilient, Tasmanian Oak is the preferred hardwood for a wide range of applications. It works extremely well and produces an excellent finish. It can be used in all forms of construction and in interior applications such as paneling and flooring. It can be glue-laminated to cover long spans. Veneers, plywood and engineered products are also available. It is also a popular furniture timber, and its fibre is sought after for reconstituted board and production of high quality paper.

Tasmanian Oak is light in colour, varying from straw to reddish brown with intermediate shades of cream to pink. It is recognised for its excellent staining qualities, which allow ready matching with other timbers, finishes or furnishings.

Tasmanian Oak is marketed under different names depending on where it is being sold. In Victoria and NSW it is also sold under the trade name Victorian Ash.

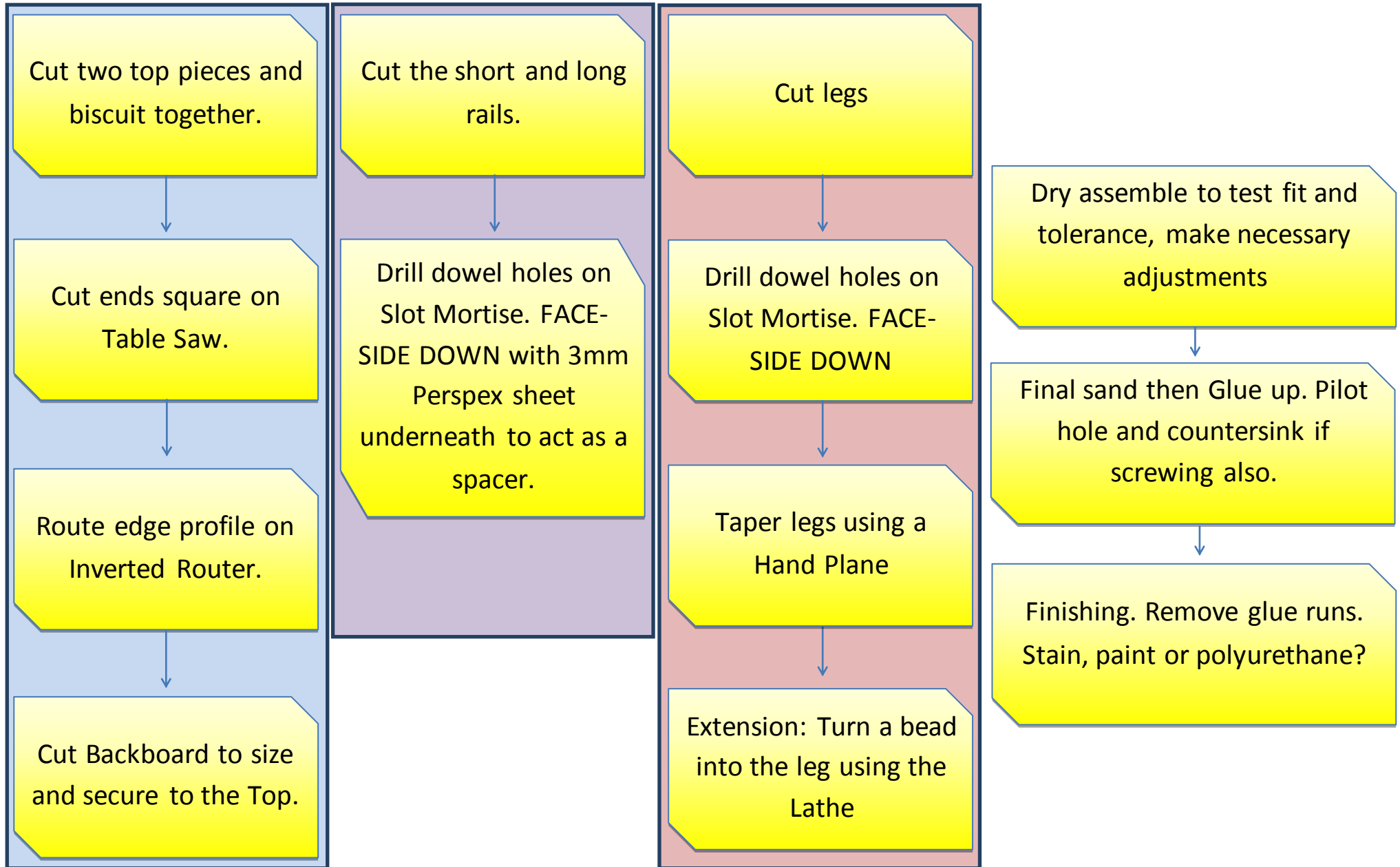
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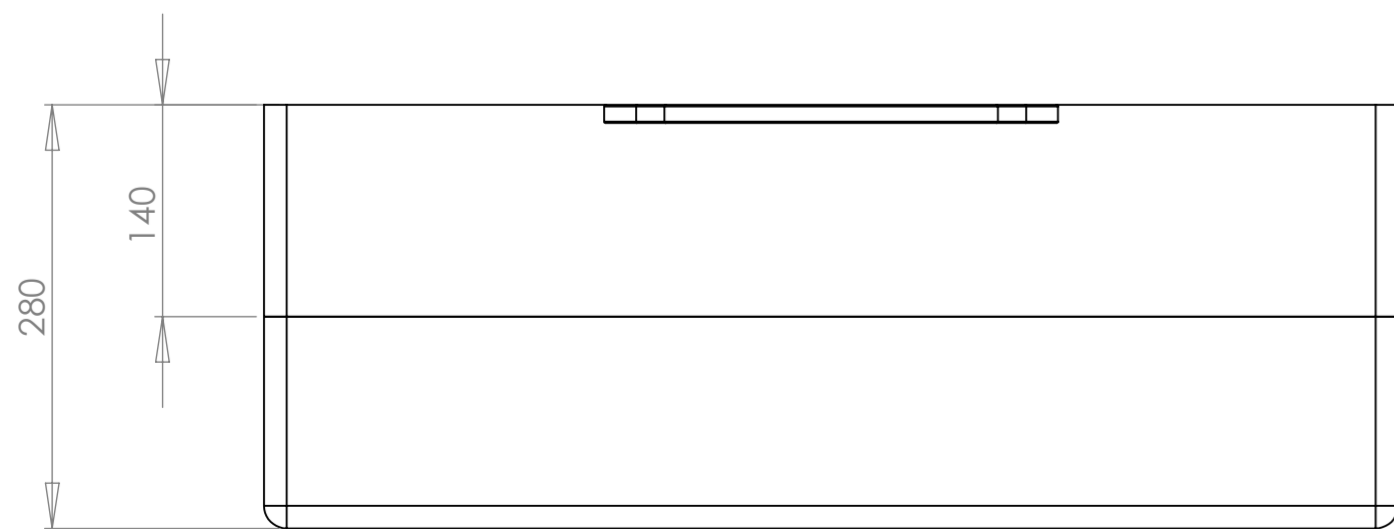
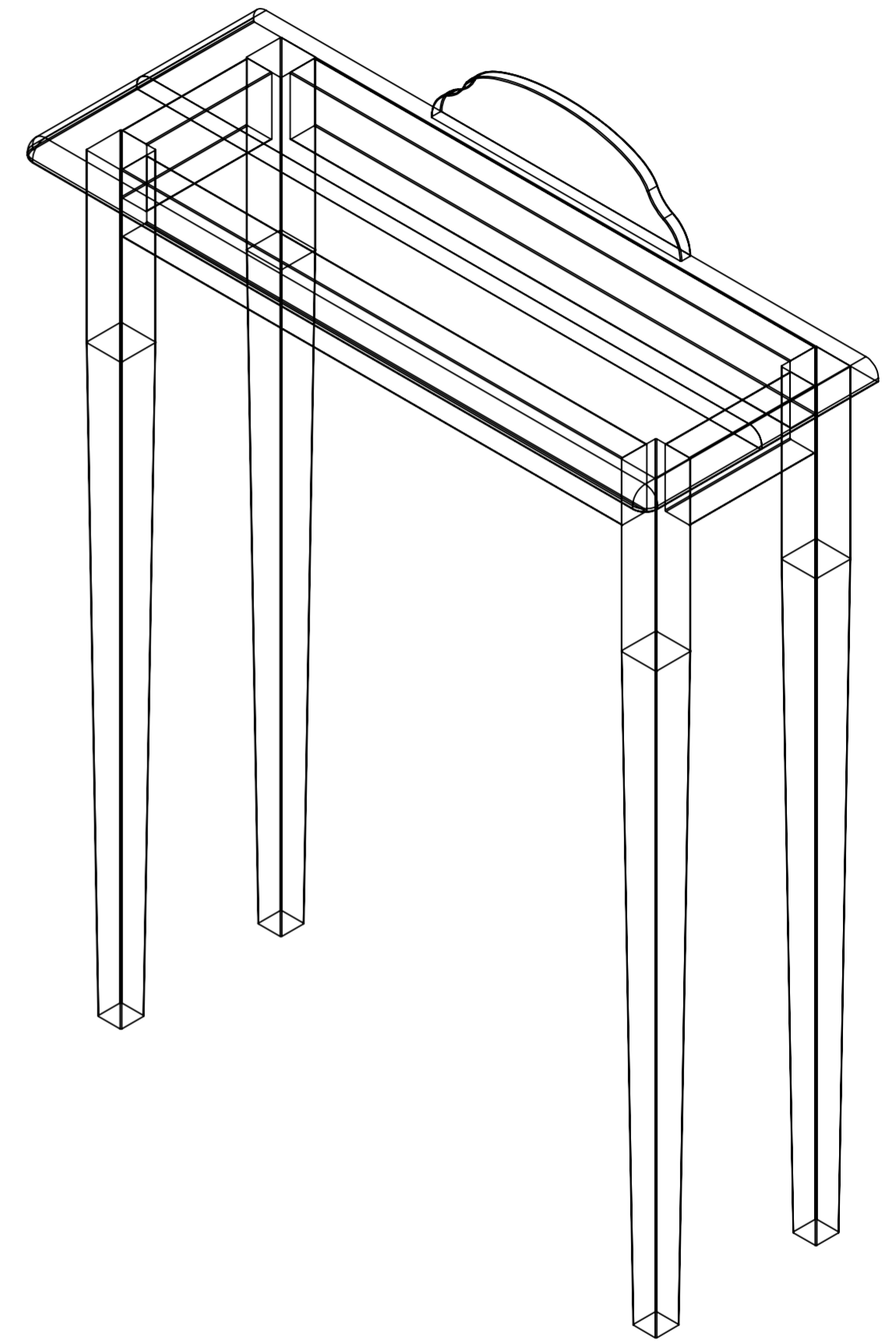
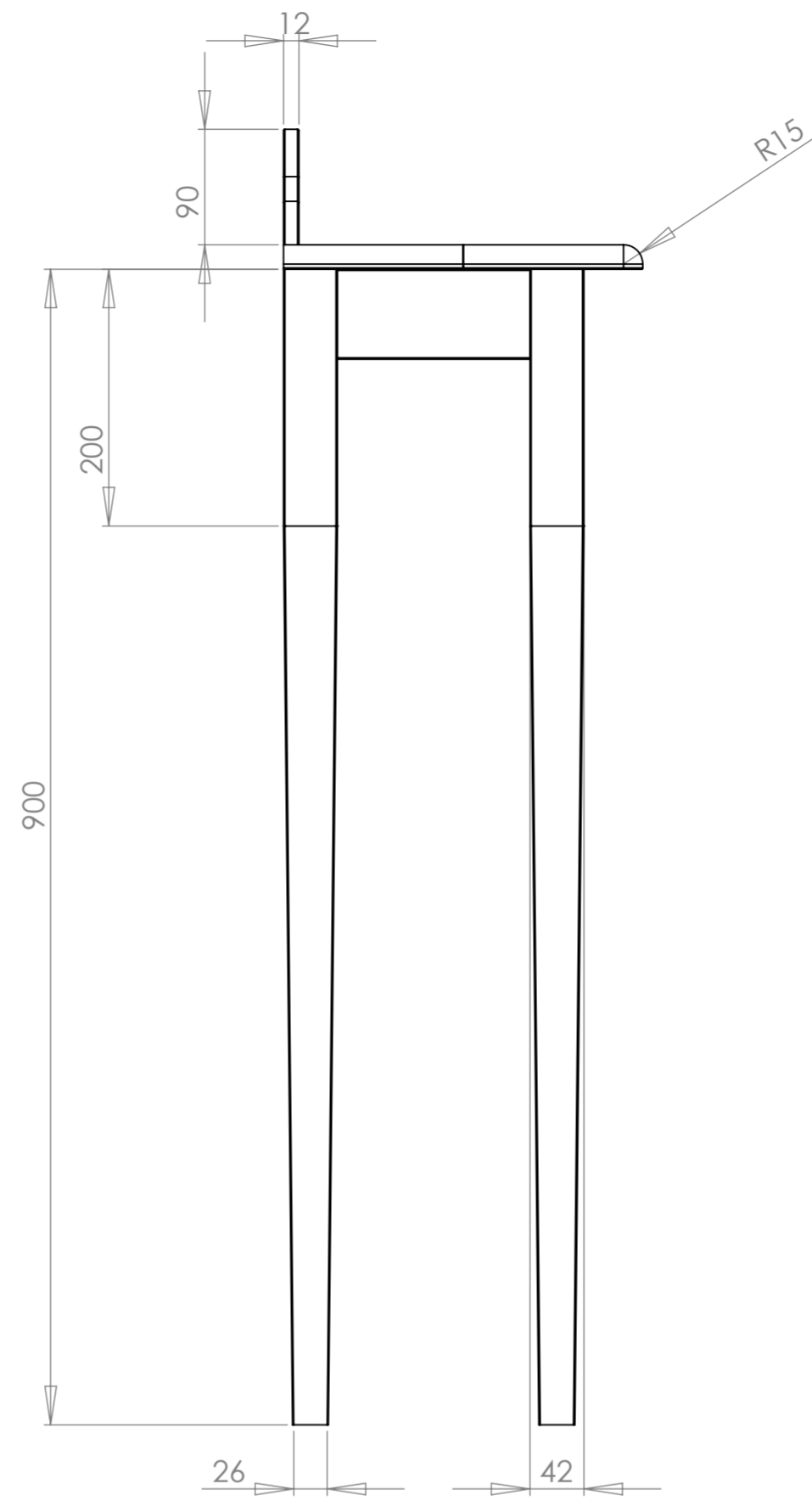
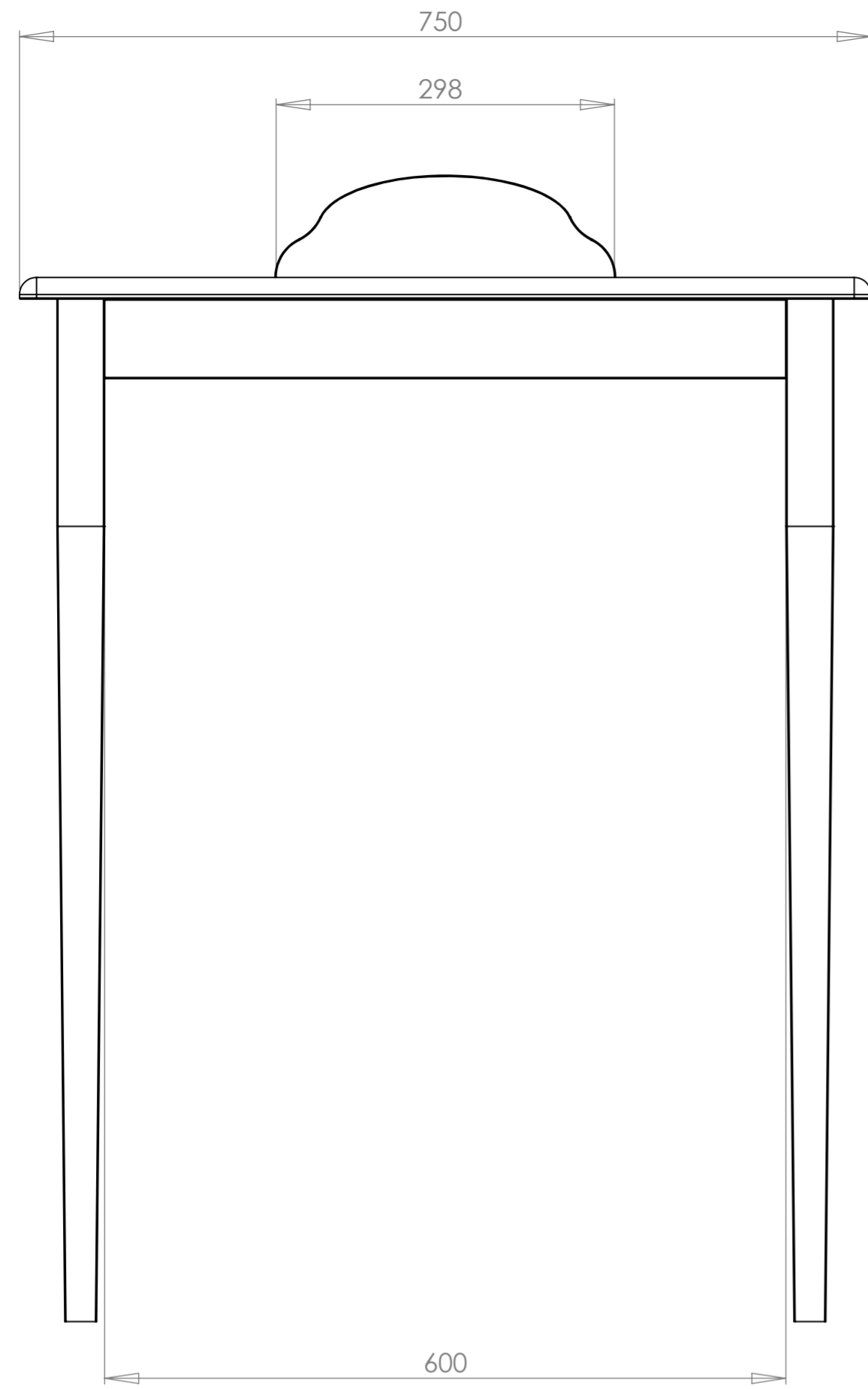
4. Cutting list and Costing

Hall Table – Tasmanian Oak

Item	Timber size (mm)	Length (mm)	Quantity	\$ per meter	Cost (\$)
Legs	42 x 42	900	4	9.85	35.46
Short Rails	65 x 32	150	2	8.66	2.60
Long Rails	65 x 32	600	2	8.66	10.39
Top	140 x 19	750	2	10.33	15.50
Backboard	90 x 12	300	1	6.29	1.89

5. Construction Process





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
TOLERANCES: LINEAR: ANGULAR:											
	NAME	SIGNATURE	DATE			TITLE:					
DRAWN											
CHKD											
APPVD											
MFG											
Q.A						MATERIAL:		DWG NO.		Hall Table 2D	
						WEIGHT:		SCALE:1:10		SHEET 1 OF 1	
										A2	