

CLYFT COLLECTION TECHNICAL PACK

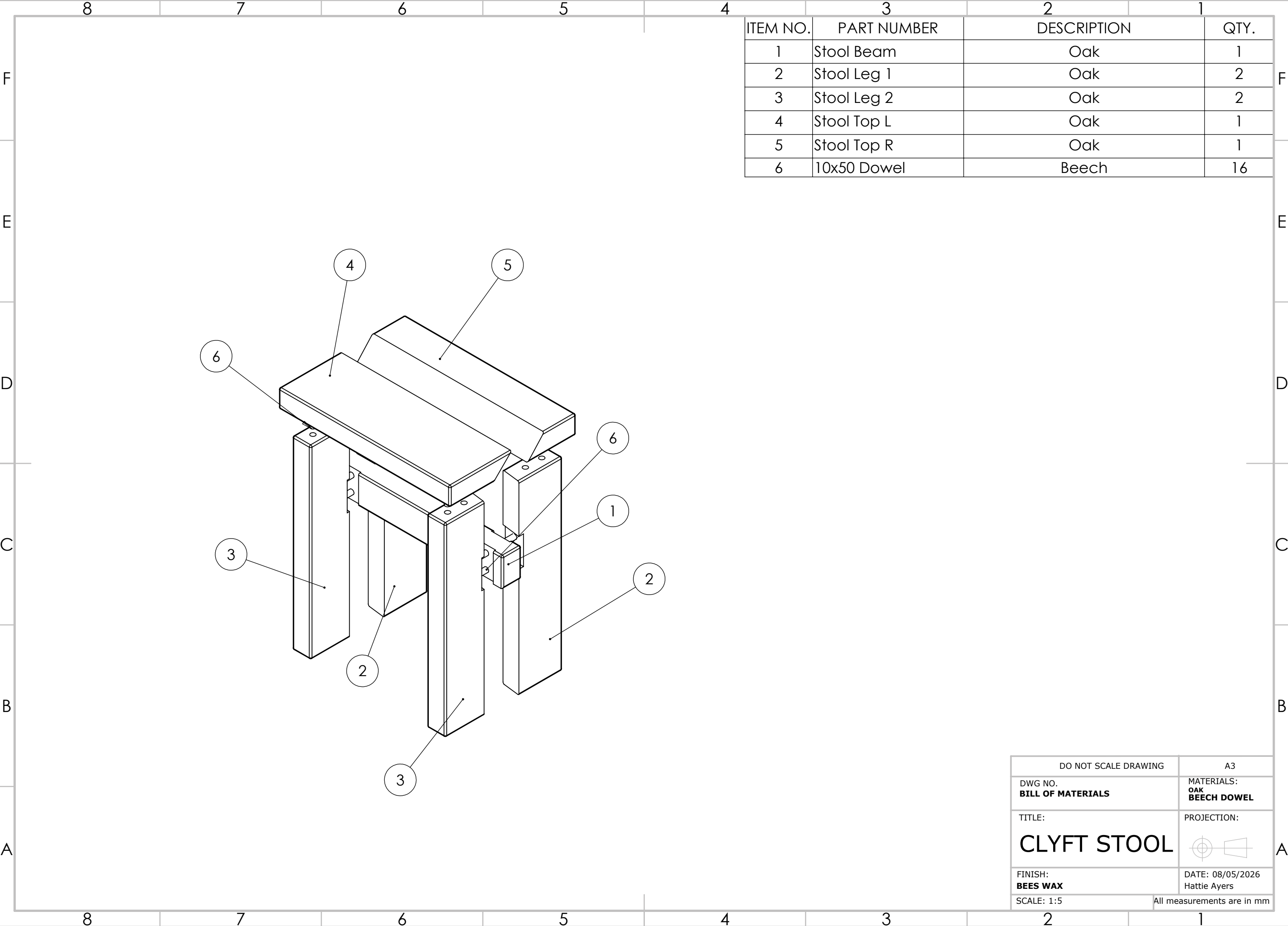
This tech pack shows an example of a typical Clyft stool and bench. It is important to note that some of the stools' dimensions are determined by how the timber is cleft, therefore some of the stools' dimensions will be different every time. Factors such as the height can be controlled but the profile of every stool will be unique.

All measurements are in mm.

This collection is focussed on using offcuts. I want to keep the individuality of each piece of timber as much as possible however, there must be some strict parameters that define the collection.

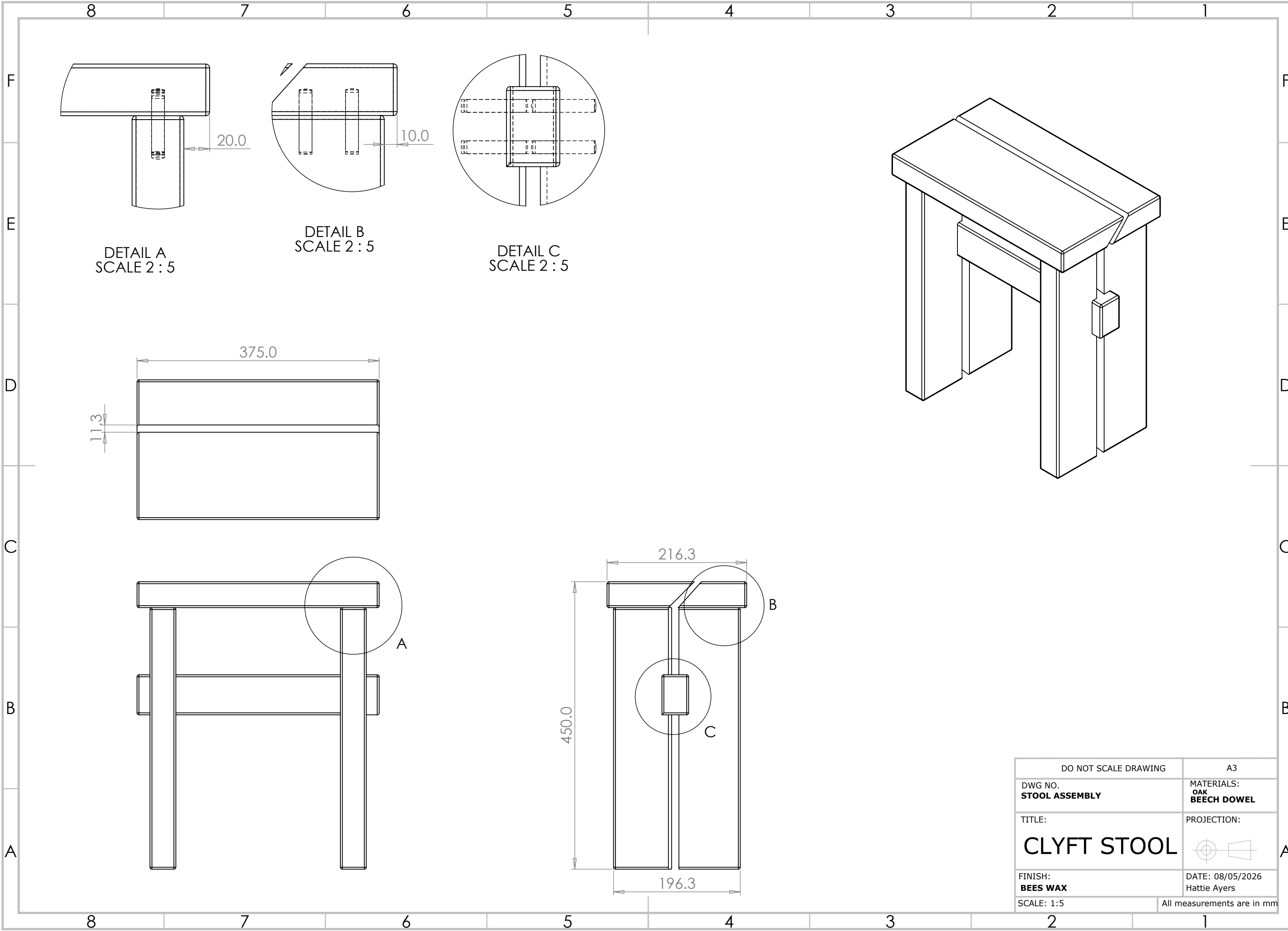
These are:

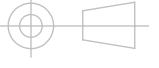
- Beam must have a 2:3 ratio, e.g., 60x90mm
- Gap should be no smaller than 10mm
- Beam and Top should protrude the same amount
- All seating must be 450 tall
- Centre of the slot for the beam in the leg should be 1/3 of the height from the top
- A 3mm radius should be added to every non-cleft edge
- Tops should hang over the sides 10mm, this is because 10mm is always taken from the sides of the legs
- Tops should hang over the edges 20mm- 40mm. This is dependant on the length of the offcut.
- Total width of stool must not be narrower than 200mm
- The sides of bench should always be parrallel with each other

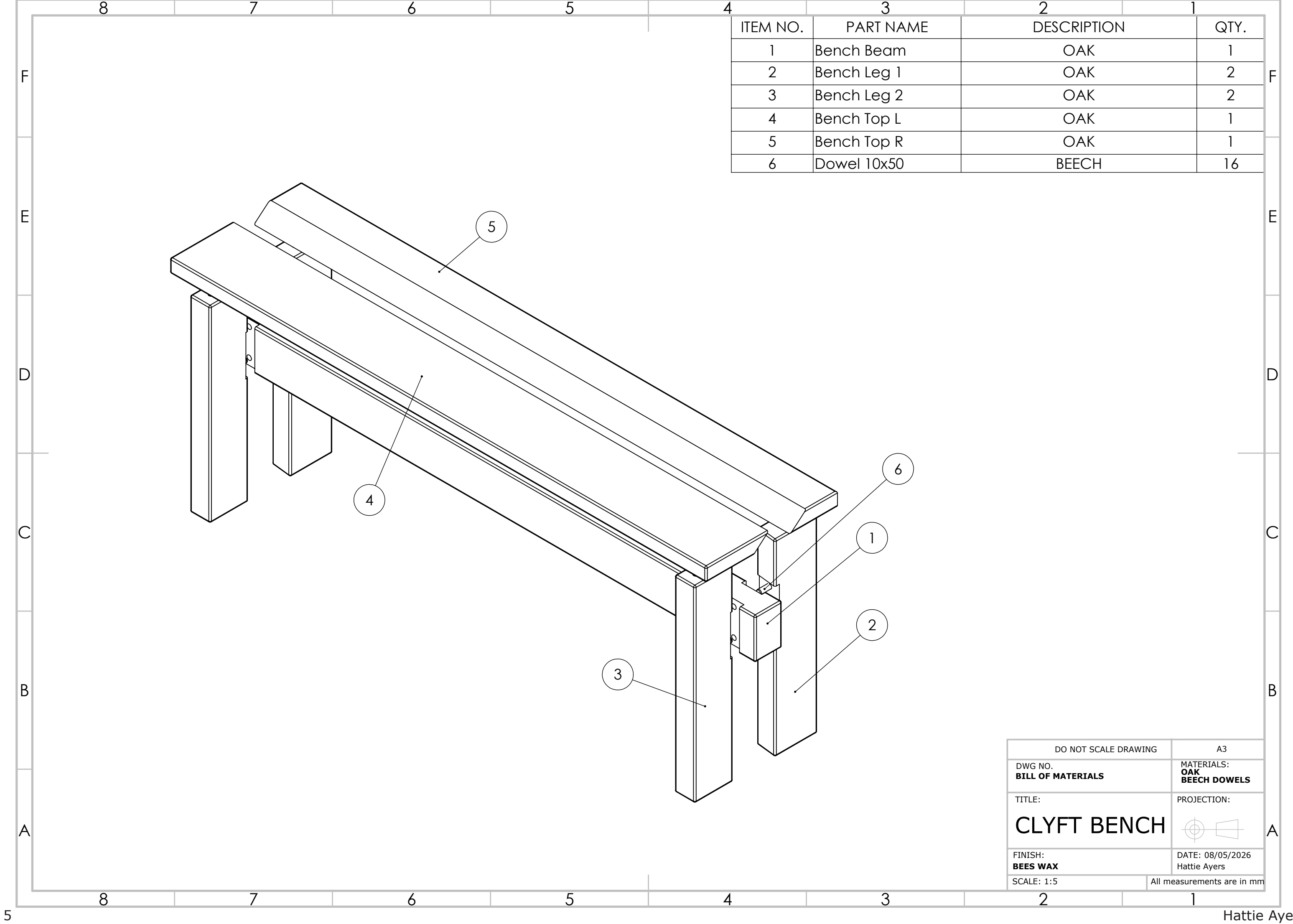


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Stool Beam	Oak	1
2	Stool Leg 1	Oak	2
3	Stool Leg 2	Oak	2
4	Stool Top L	Oak	1
5	Stool Top R	Oak	1
6	10x50 Dowel	Beech	16

DO NOT SCALE DRAWING		A3
DWG NO. BILL OF MATERIALS	MATERIALS: OAK BEECH DOWEL	
TITLE: CLYFT STOOL	PROJECTION: 	
FINISH: BEES WAX	DATE: 08/05/2026 Hattie Ayers	
SCALE: 1:5	All measurements are in mm	

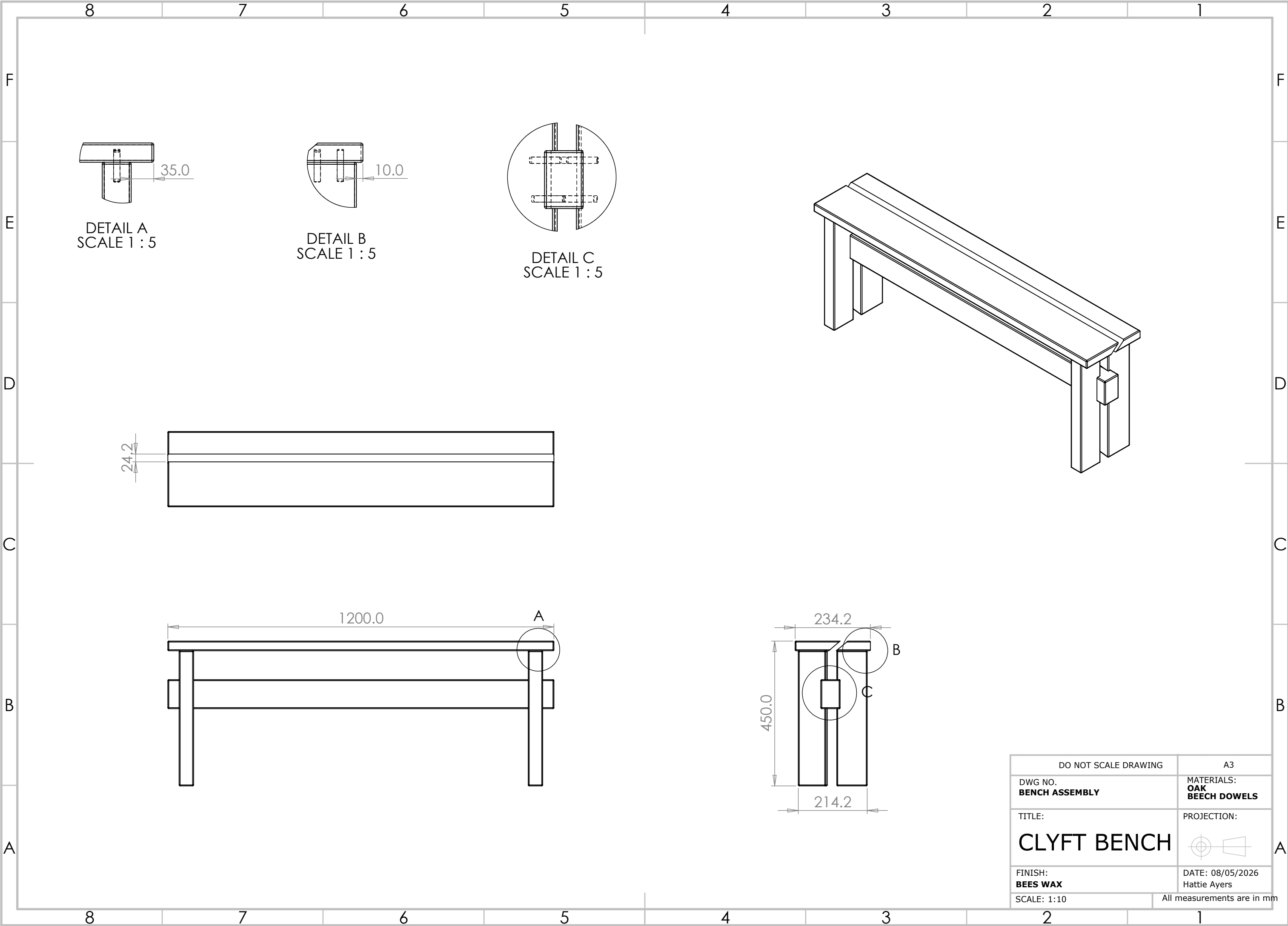


DO NOT SCALE DRAWING		A3	
DWG NO. STOOL ASSEMBLY		MATERIALS: OAK BEECH DOWEL	
TITLE: CLYFT STOOL		PROJECTION: 	
FINISH: BEES WAX		DATE: 08/05/2026 Hattie Ayers	
SCALE: 1:5		All measurements are in mm	

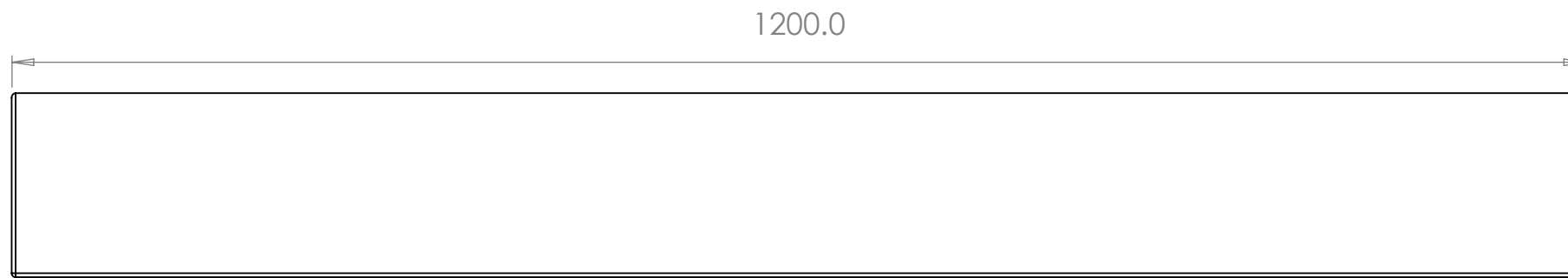


ITEM NO.	PART NAME	DESCRIPTION	QTY.
1	Bench Beam	OAK	1
2	Bench Leg 1	OAK	2
3	Bench Leg 2	OAK	2
4	Bench Top L	OAK	1
5	Bench Top R	OAK	1
6	Dowel 10x50	BEECH	16

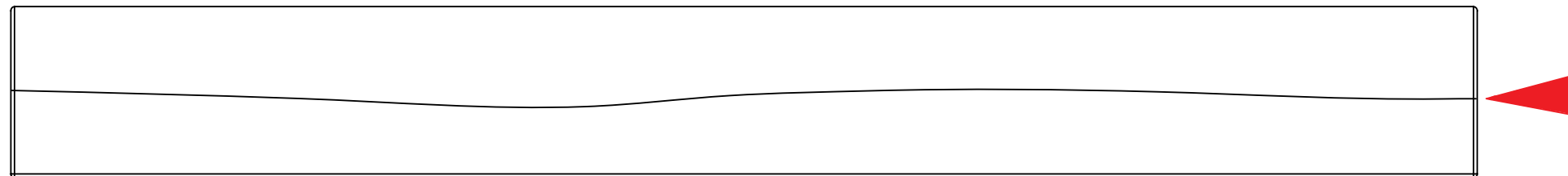
DO NOT SCALE DRAWING	A3
DWG NO. BILL OF MATERIALS	MATERIALS: OAK BEECH DOWELS
TITLE: CLYFT BENCH	PROJECTION:
FINISH: BEES WAX	DATE: 08/05/2026 Hattie Ayers
SCALE: 1:5	All measurements are in mm



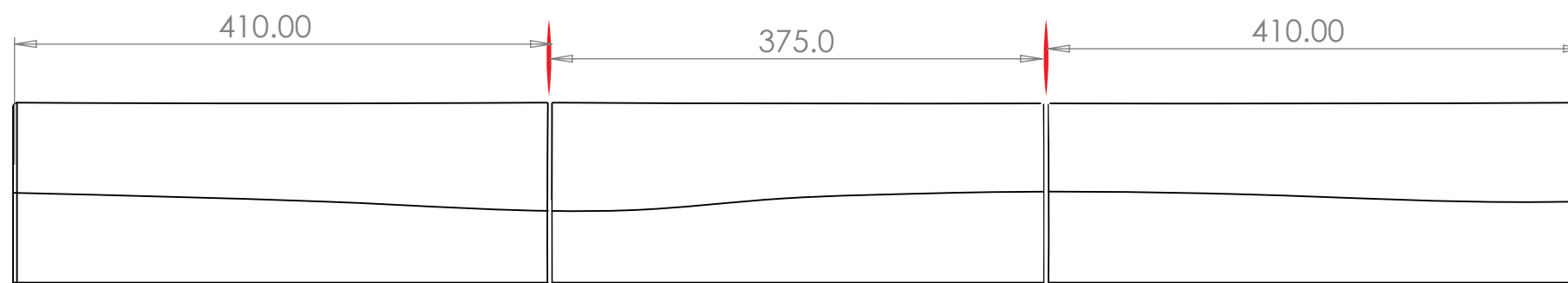
CLYFT Stool: Making the Parts Instructions



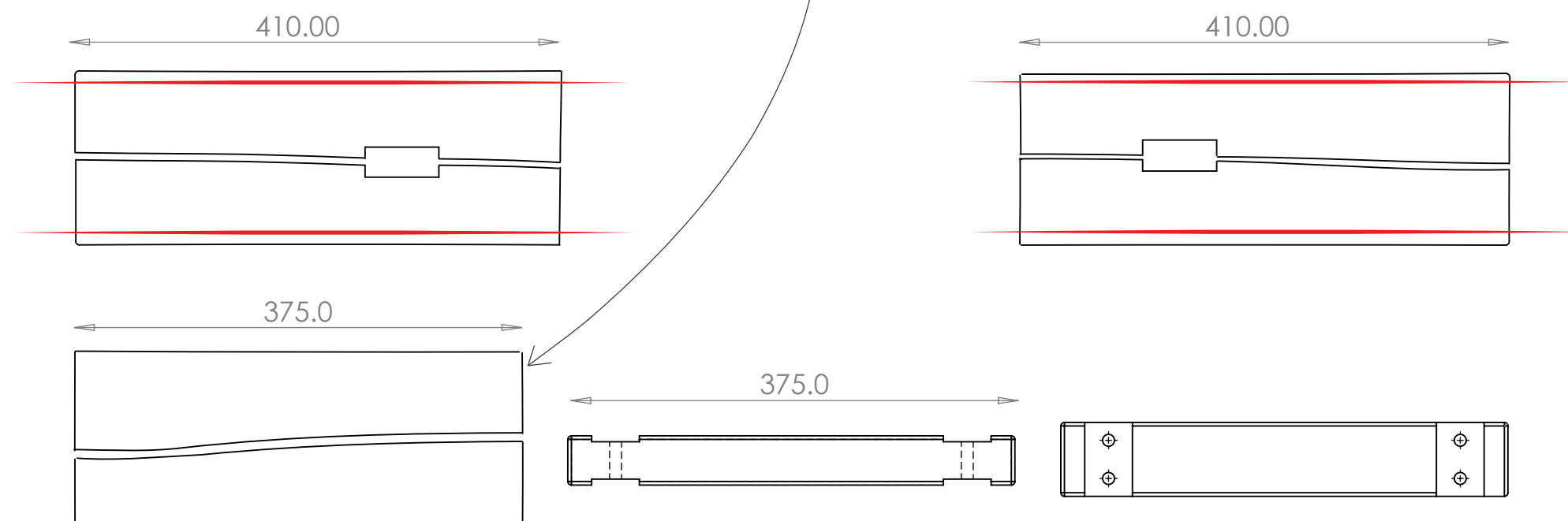
Plane plank to desired thickness
e.g., 40mm.



Cleave full plank



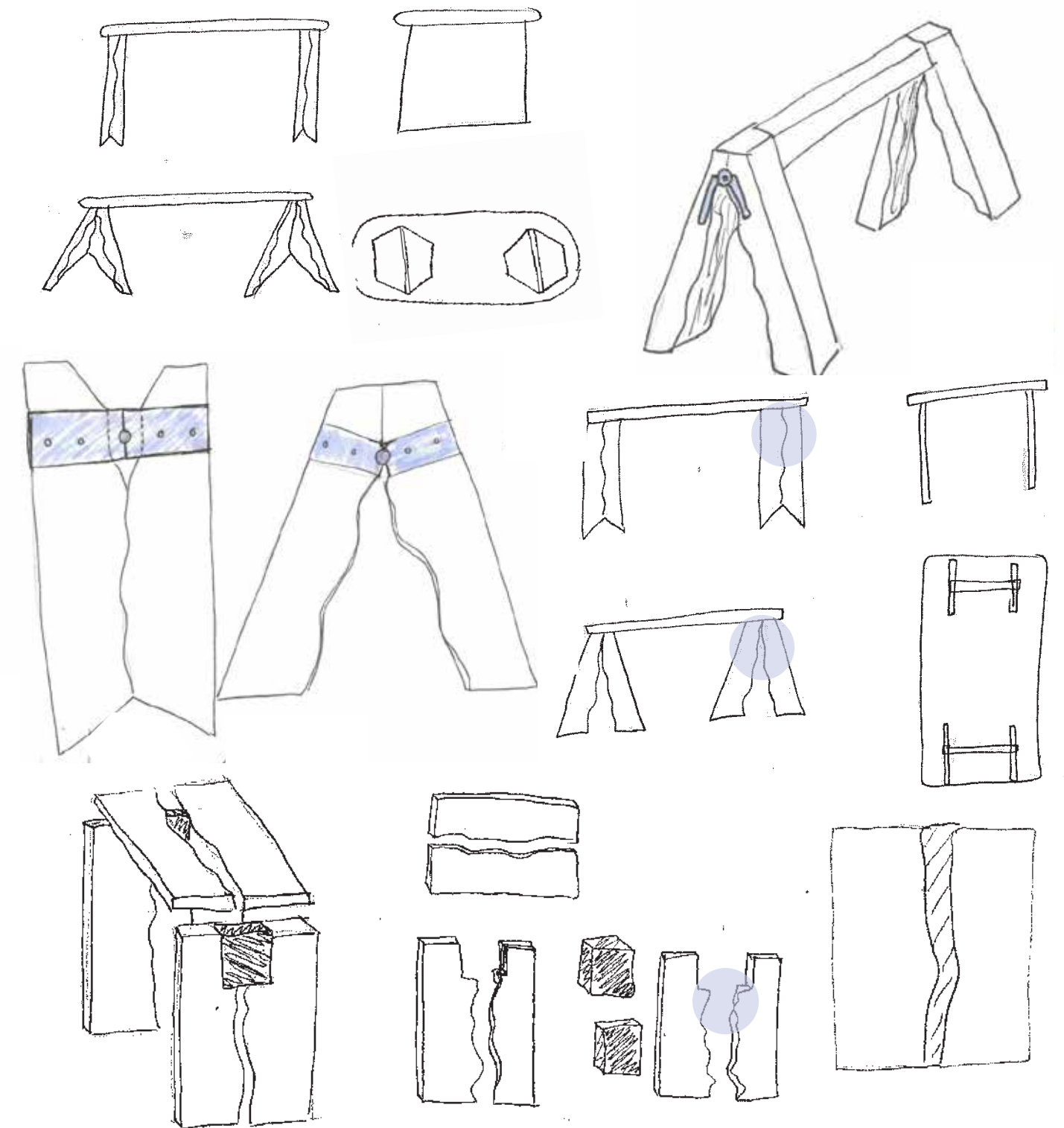
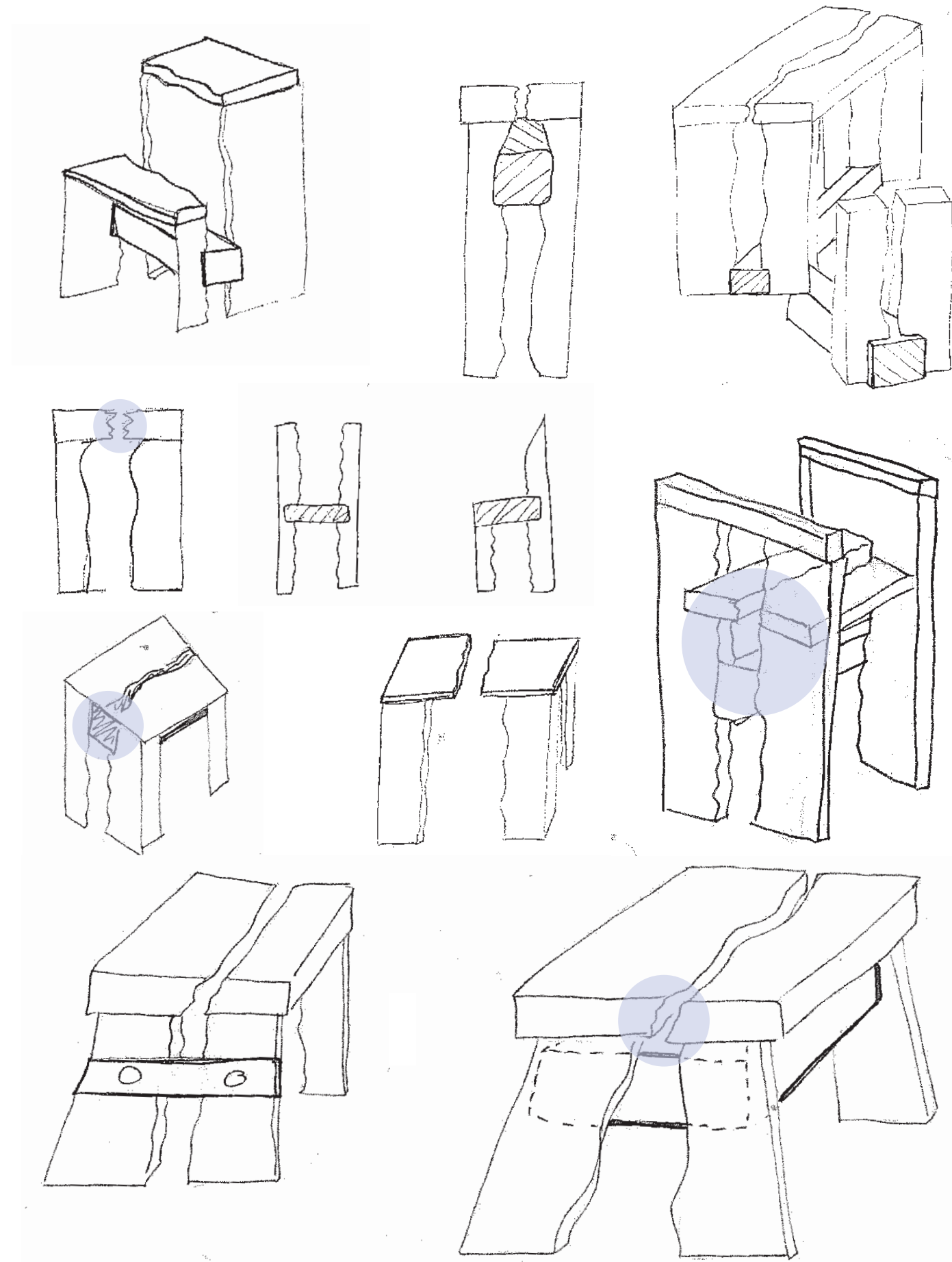
Cut to length, seat must be in
the middle. Allows for 2.5mm
blade thickness.



Cut 10mm from the outside of every leg.
Cut notches accordingly, centre should be
1/3rd from the top facing inwards to
maintain the flow of the split in the stool/
bench.

Cut beam and notches accordingly to
technical pack, drill holes in the top pieces
and leg notches and assemble with
10x50mm dowels. Unlike the legs and seat,
the beam comes from a smaller offcut.

Ideation and Exploration



My main objective in ideation is to consider form and define intention. As a process and material led designer, I don't worry too much about scale when sketching because this comes more naturally to me through making and physical experimentation.

I considered making a trestle table that allows the user to actively split open the wood, external brackets that would provide a natural vs machined contrast but my project values led me to design with one material and one material only to show that reclaimed wood needs no external elements to be usable.

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