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Mana Tohu Mātauranga o Aotearoa  
New Zealand Qualifications Authority

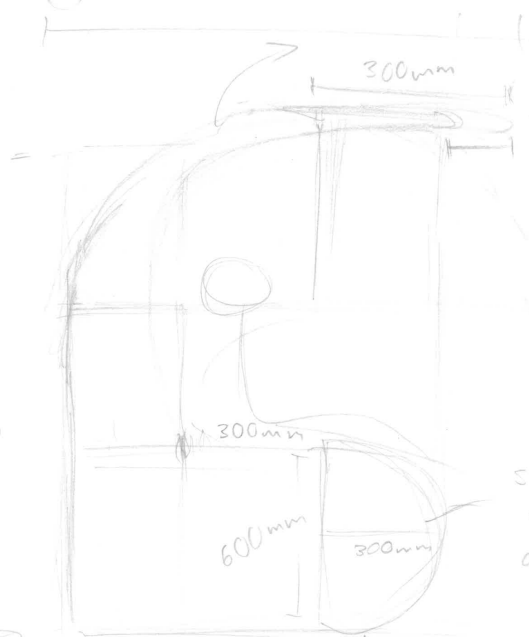
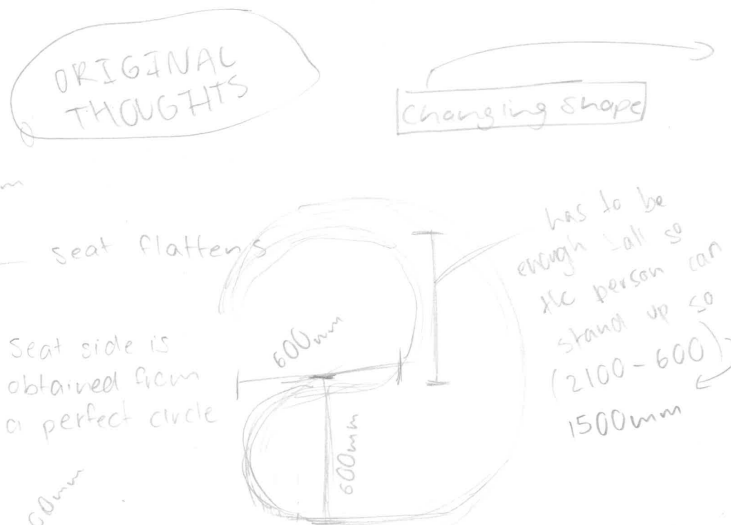
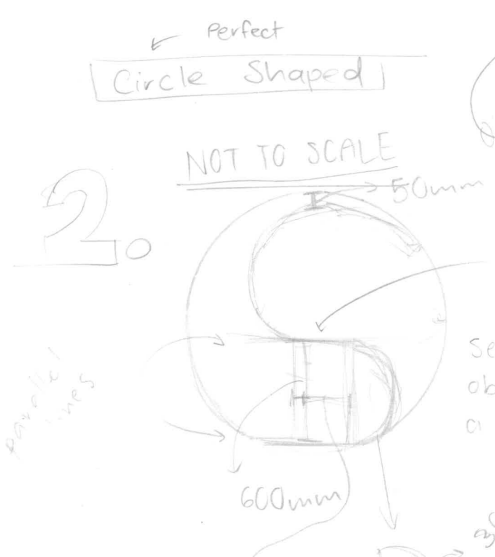
# Level 1 Design and Visual Communication RAS 2023

**92003 Use instrumental drawing techniques  
to communicate own product or spatial design  
outcome**

## **EXEMPLAR**

**Merit**

**TOTAL 05**

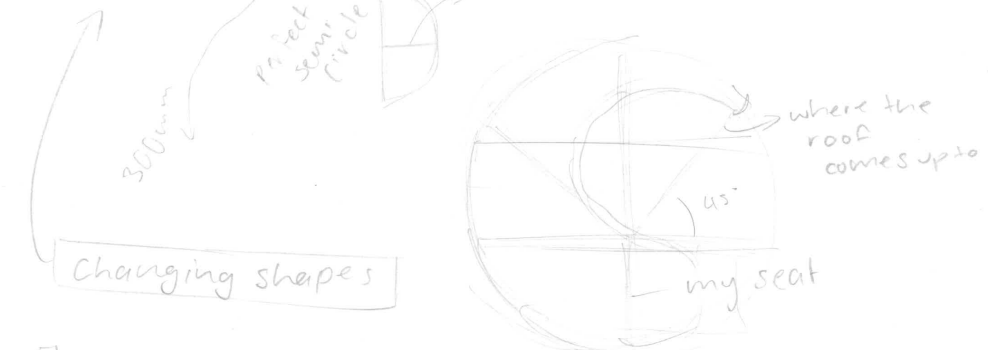


(and some arcs) rectangular 3.

Total seat height is 2100mm

WORKING OUT DIMENSIONS

Semicircle of a circle with a radius of 300mm



UPGRADING IT

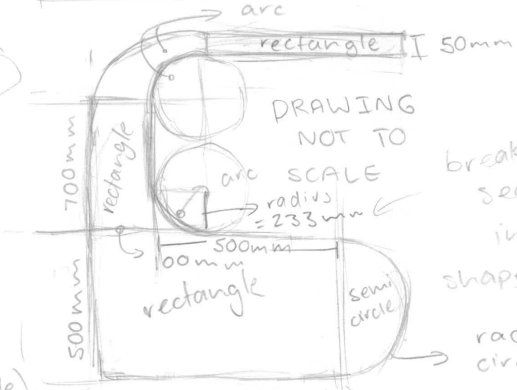


TABLE DETAILS

seat width = 600mm

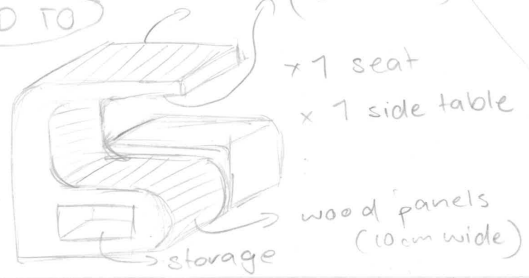
table width = 300mm

table height = 500mm

breaking seat up into more shapes



CHANGED TO



(measurements) ACTUAL SCALE ↑

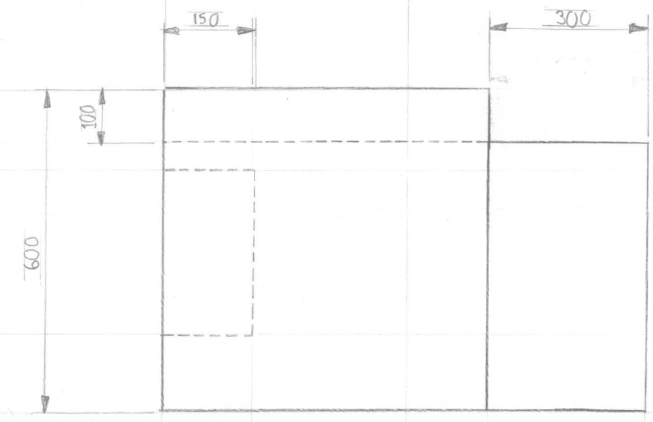
(NOT drawing)

4.

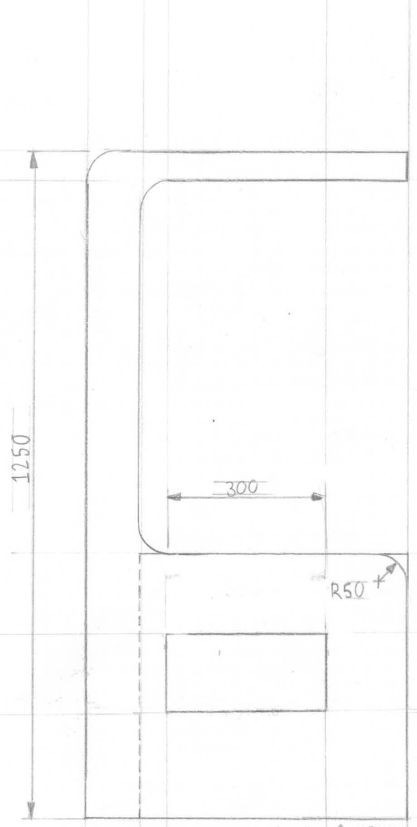
(also somehow)



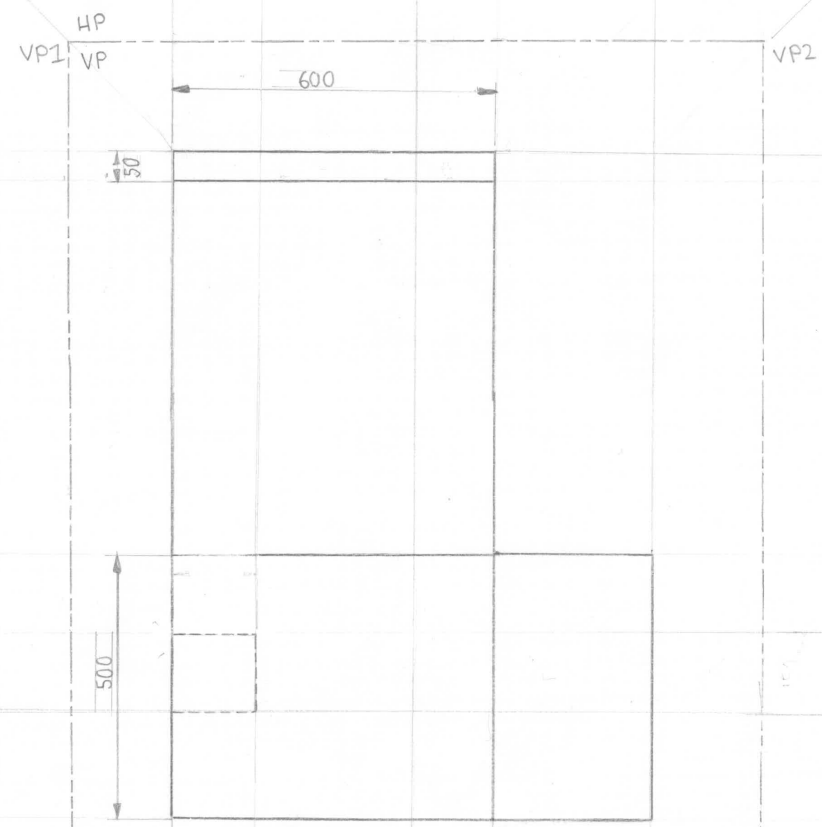
ALL MEASUREMENTS IN MM.]



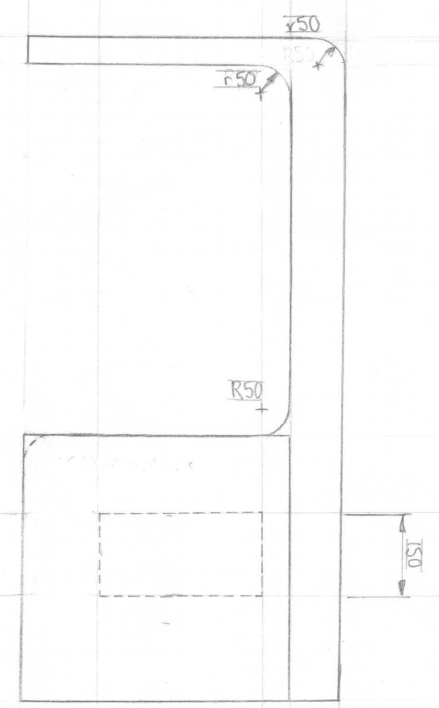
PLAN VIEW



LEFT END ELEVATION



FRONT ELEVATION

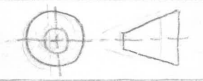


RIGHT END ELEVATION

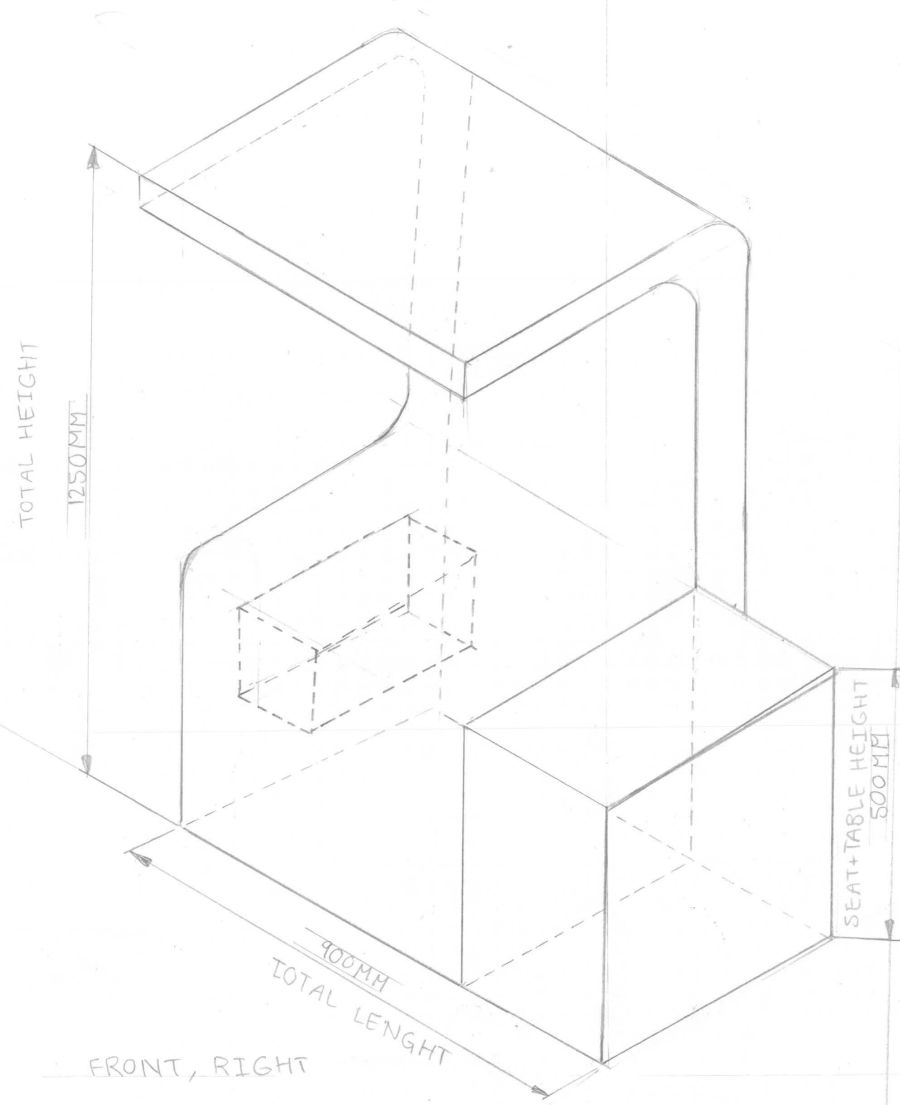
TITLE: 3RD ANGLE ORTHOGRAPHIC SEAT

SET: 2/5

SCALE: 1 : 10

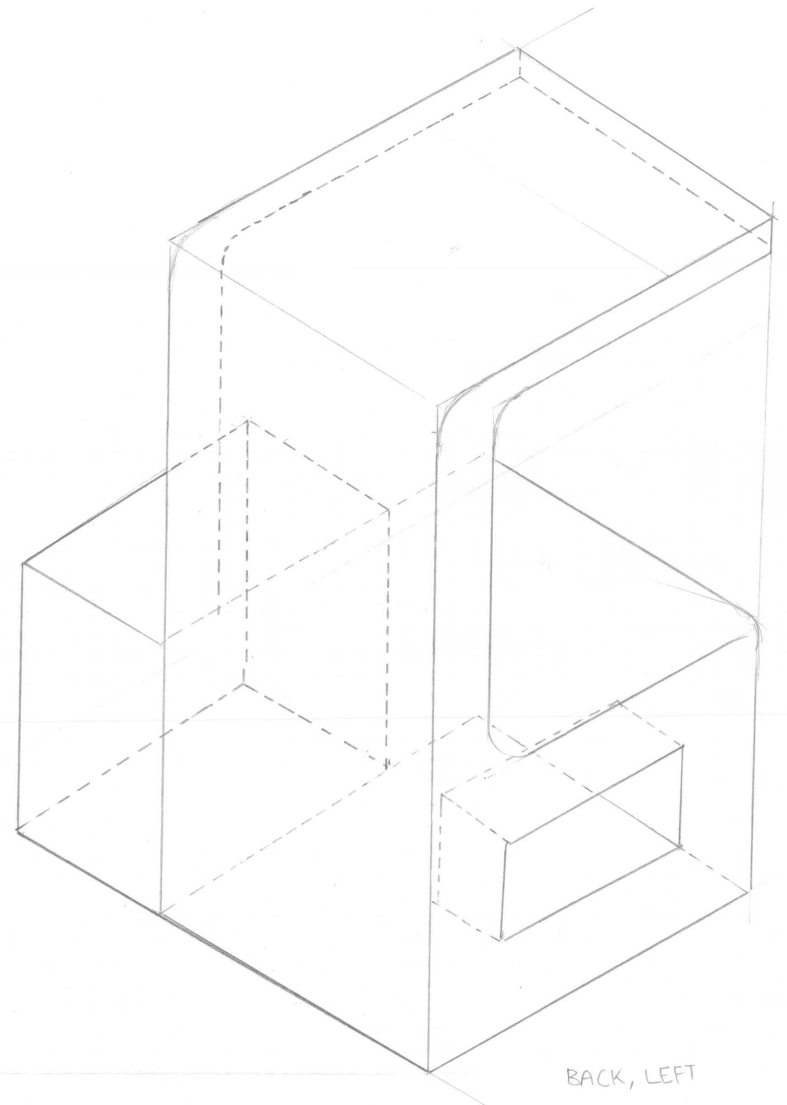


VIEW 1:

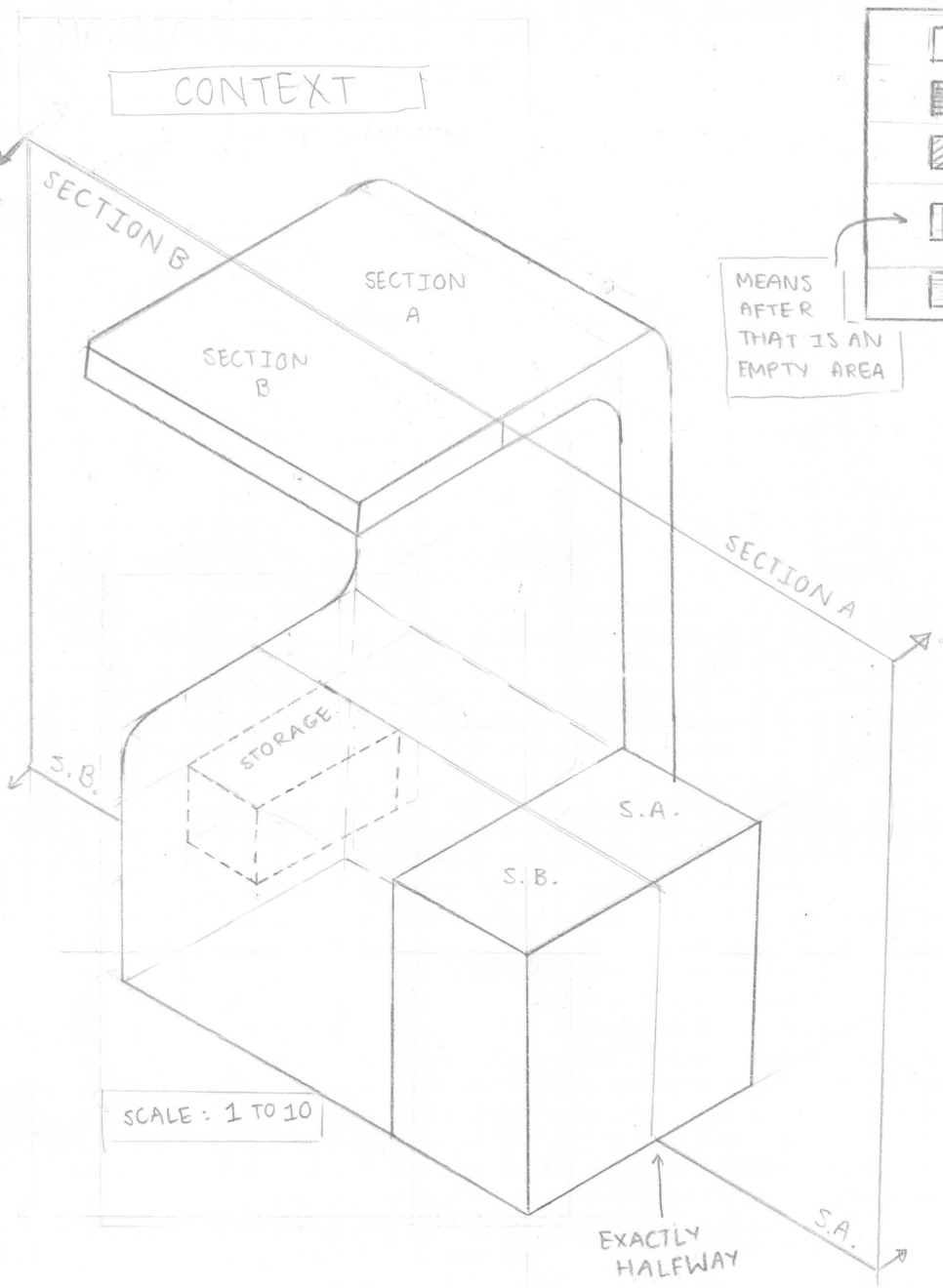


FRONT, RIGHT

VIEW 2:



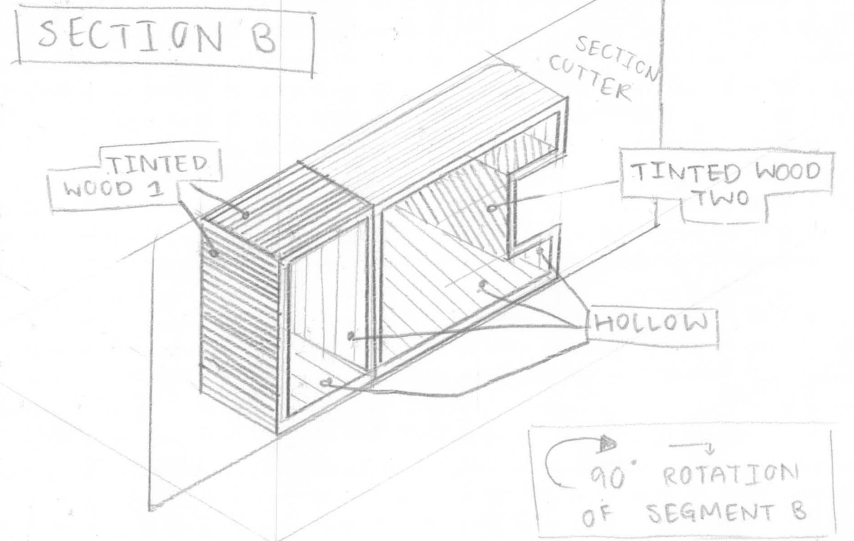
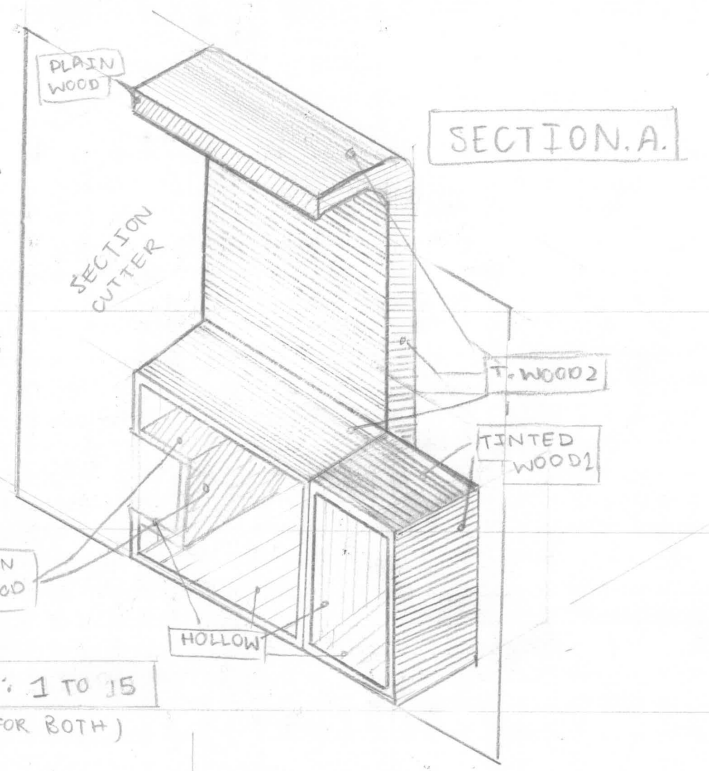
BACK, LEFT



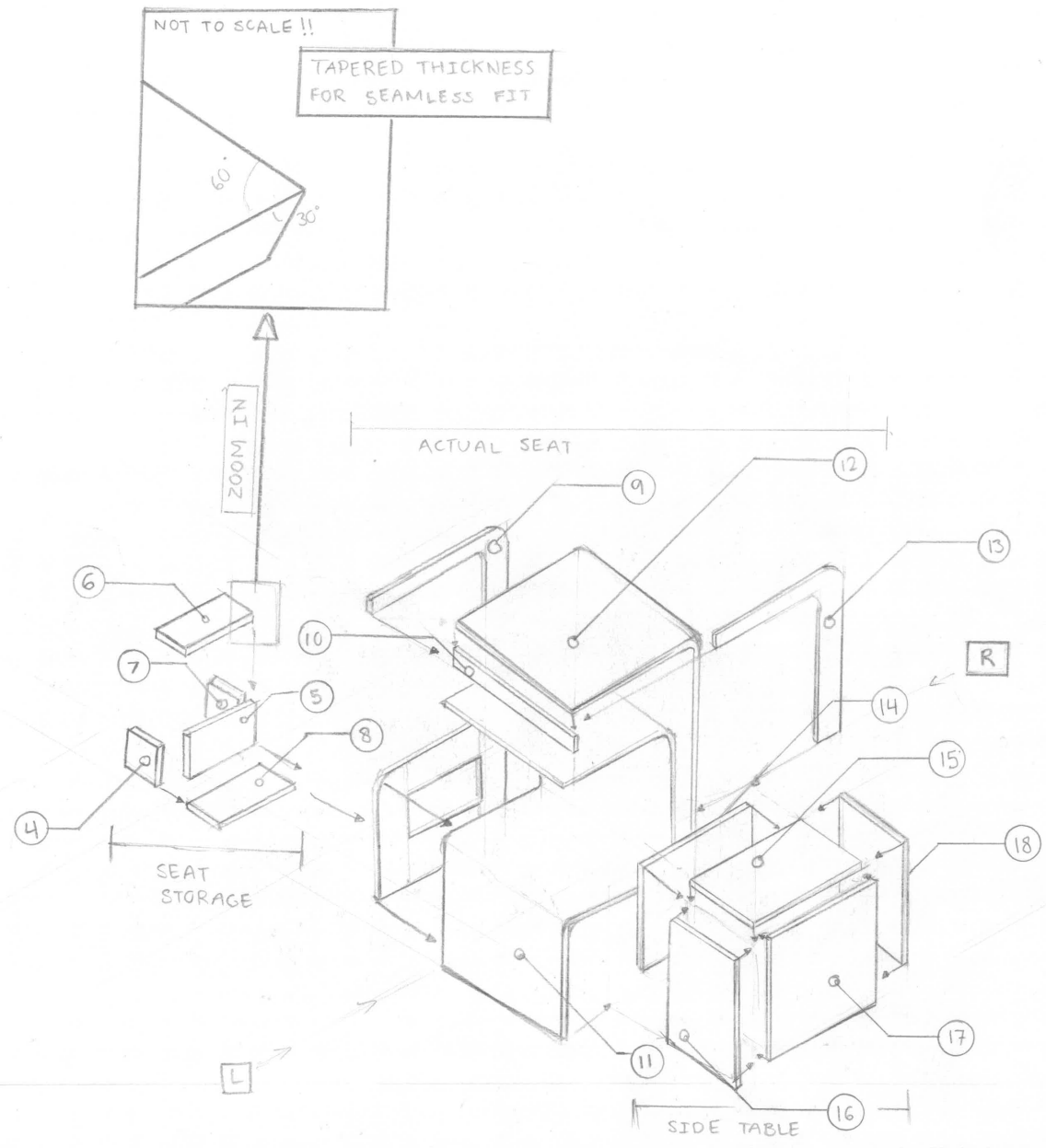
MATERIALS?

- (1)
- [Hatched pattern] = TINTED WOOD
- [Diagonal hatched pattern] = TIMBER / PLAIN WOOD
- [Vertical line pattern] = HOLLOW
- (2)
- [Horizontal line pattern] = TINTED WOOD

MEANS AFTER THAT IS AN EMPTY AREA



(JOINTS / SCREWS NOT INCLUDED)



NO.	PIECE NAME (LABELED)
①	~~~~~~
②	~~~~~~
③	~~~~~~
④	SEAT STORAGE LEFT SIDE.
⑤	SEAT STORAGE BACK SIDE.
⑥	SEAT STORAGE TOP SIDE.
⑦	SEAT STORAGE RIGHT SIDE.
⑧	SEAT STORAGE BOTTOM.
⑨	SEAT LEFT SIDE PIECE.
⑩	SEAT F. B. CONNECTOR.
⑪	SEAT FRONT SIDE PIECE.
⑫	SEAT BACK SIDE PIECE.
⑬	SEAT RIGHT SIDE PIECE.
⑭	TABLE LEFT PIECE.
⑮	TABLE TOP PIECE.
⑯	TABLE FRONT PIECE.
⑰	TABLE RIGHT PIECE.
⑱	TABLE BACK PIECE.

ISOMETRIC SEAT EXPLOSIVE

SET: 5/5

SCALE: 1 : 20

## Merit

**Subject:** Design and Visual Communication

**Standard:** 92003

**Total score:** 05

Grade score	Marker commentary
M5	<p>This submission uses manual instruments to construct an orthographic drawing and several isometric drawings that communicate a seat design.</p> <p>The orthographic drawing shows four correctly positioned views that communicate the surface features and form of the seat. Main dimensions have been added correctly and a suitable scale has been used. No internal or construction detail has been shown.</p> <p>The isometric drawings on the next sheet have been constructed well and show the design from two viewpoints. This communicates the form of the design well. Hidden detail lines give an indication of a recess but no other internal or construction details are communicated.</p> <p>The final two sheets use 3D section views to show information about the internal cavities inside the design. This helps the submission to meet the criteria for Merit. The final page shows a complex exploded isometric drawing of the pieces. However, there is no information about fasteners or how the pieces join. There are no fastener holes or jointing methods indicated. Whilst the pieces have been drawn separately, they have not been exploded correctly along isometric lines and this reduces the effectiveness of the communication.</p>

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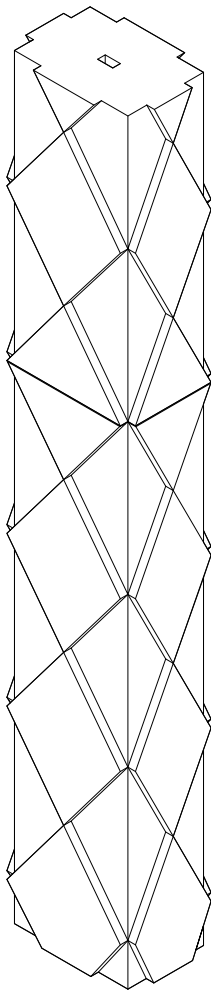
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## **EXEMPLAR**

**Merit**

**TOTAL 05**

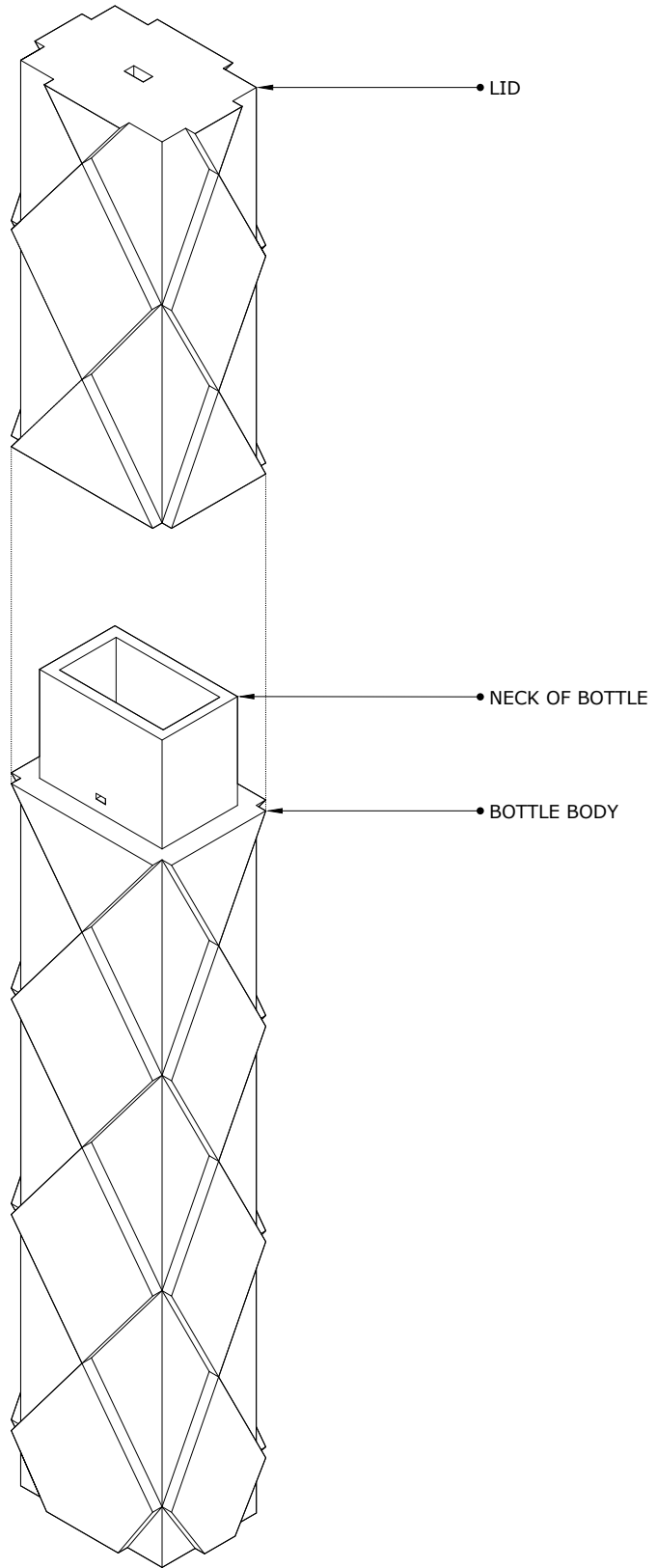


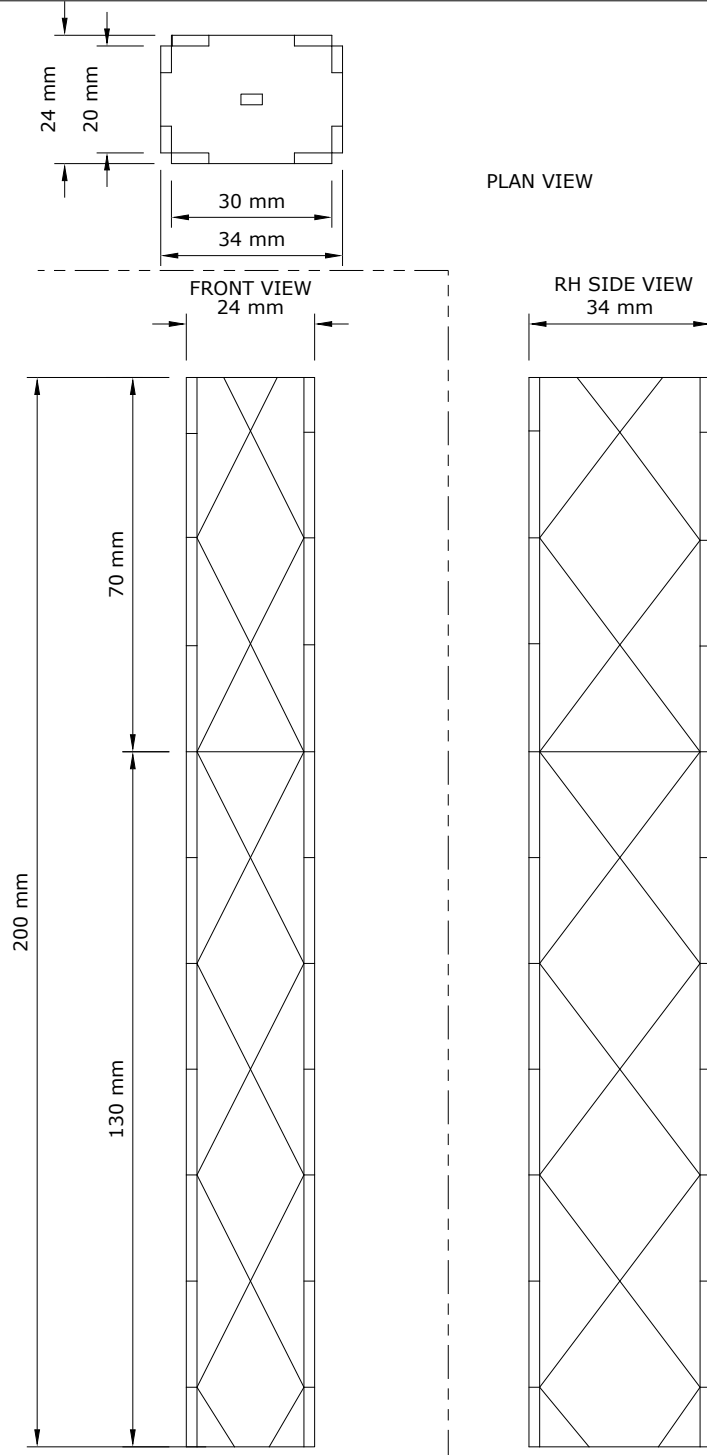


ISOMETRIC OF TOOTHBRUSH HOLDER

PROJECT  
Cosmetic Project

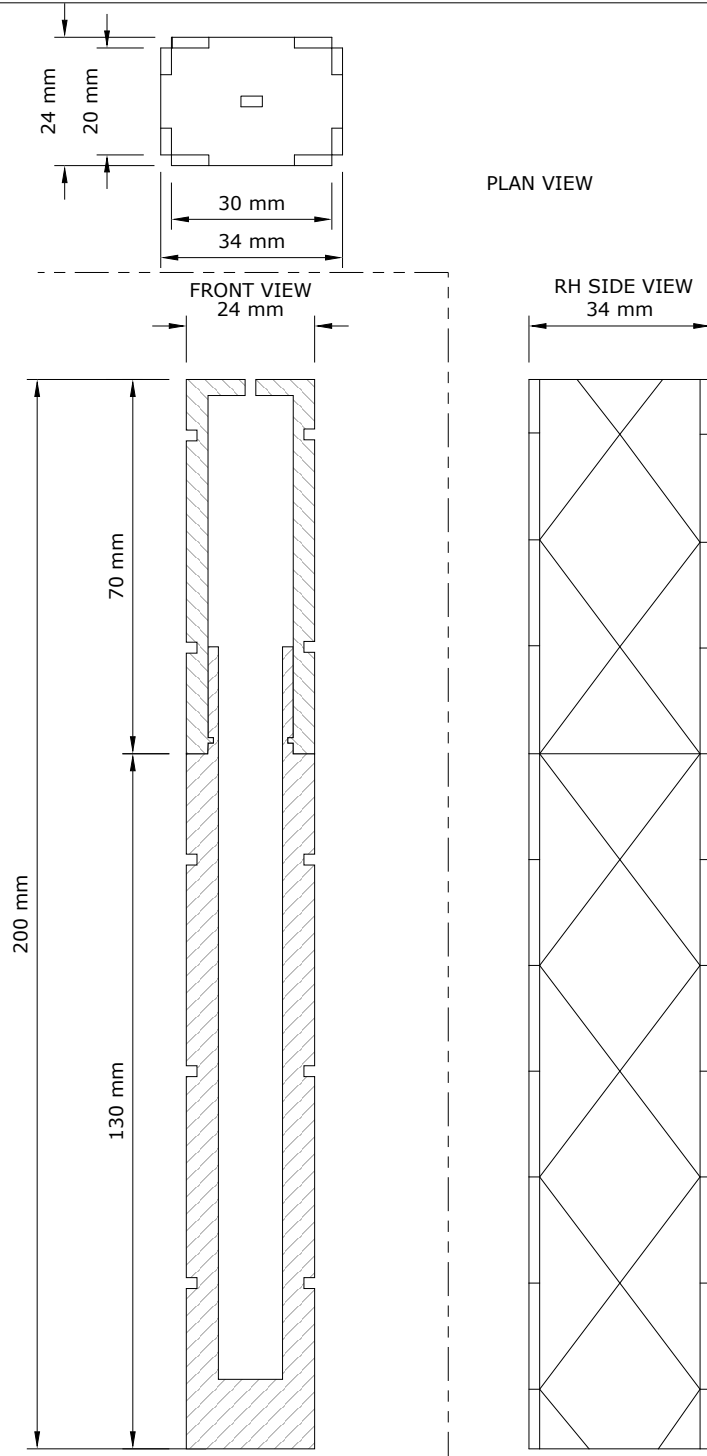
SCALE  
1:1





PROJECT  
Cosmetic Project  
SCALE  
1:1

ORTHOGRAPHIC OF TOOTHBRUSH HOLDER



PROJECT  
Cosmetic Project  
SCALE  
1:1

4 ORTHOGRAPHIC OF TOOTHBRUSH HOLDER

## Merit

**Subject:** Design and Visual Communication

**Standard:** 92003

**Total score:** 05

Grade score	Marker commentary
M5	<p>This submission uses both orthographic views and isometric drawings to communicate a design for a toothbrush holder. All drawings have been produced digitally using CAD and are accurate and clear.</p> <p>The first isometric drawing shows the surface features of the design clearly using a scale of 1:1. A useful title block contains helpful information such as a title and scale. The second isometric drawing is an exploded view that reveals how the lid and bottom part fit together.</p> <p>Two sheets of orthographic views have been shown. The views give useful information but are not correctly arranged with the front and side views switching places. A section view reveals useful information about the assembly of the two parts and the internal design of the outcome. Hatching has been used correctly to define the separate parts. Main dimensions have been shown however, units should not be included.</p> <p>To move to a higher grade, this submission would need to show orthographic views in correct arrangement according to conventions. Measurements should be shown without units attached. View titles on the orthographic drawings should also be placed according to conventions.</p>