

NOTE

FOLLOWING AN ANALYSIS OF Ø50 PIPE AND 50X50 BOX SECTION I PRESENT A BOX SECTION DEVELOPMENT FOR YOUR CONSIDERATION.

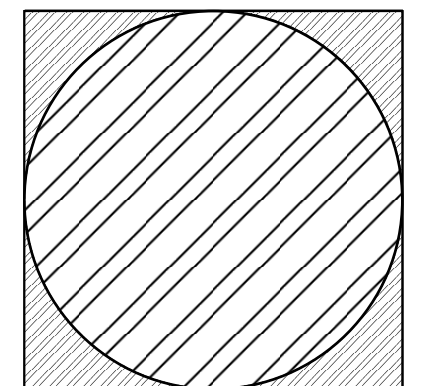
OUR ANALYSIS REVEALED:

Ø50 PIPE SURFACE AREA = 1963MM² WITH CIRCUMFERENCE OF 157MM.

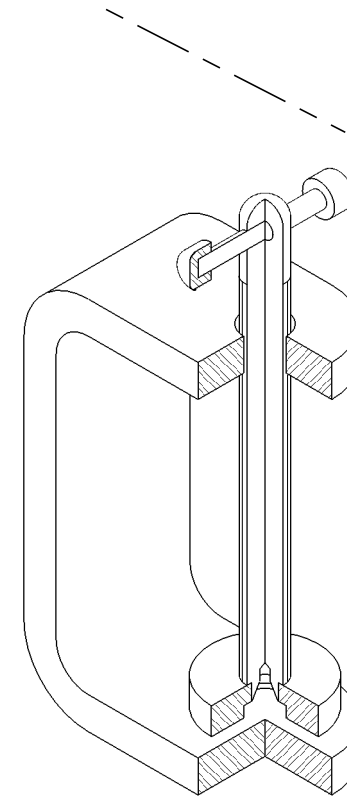
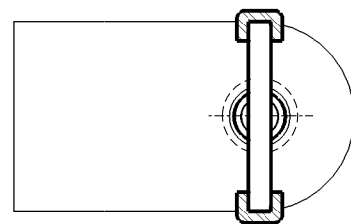
50X50 BOX SECTION AREA = 2500MM² WITH PERIMETER OF 200MM.

CONCLUSION:

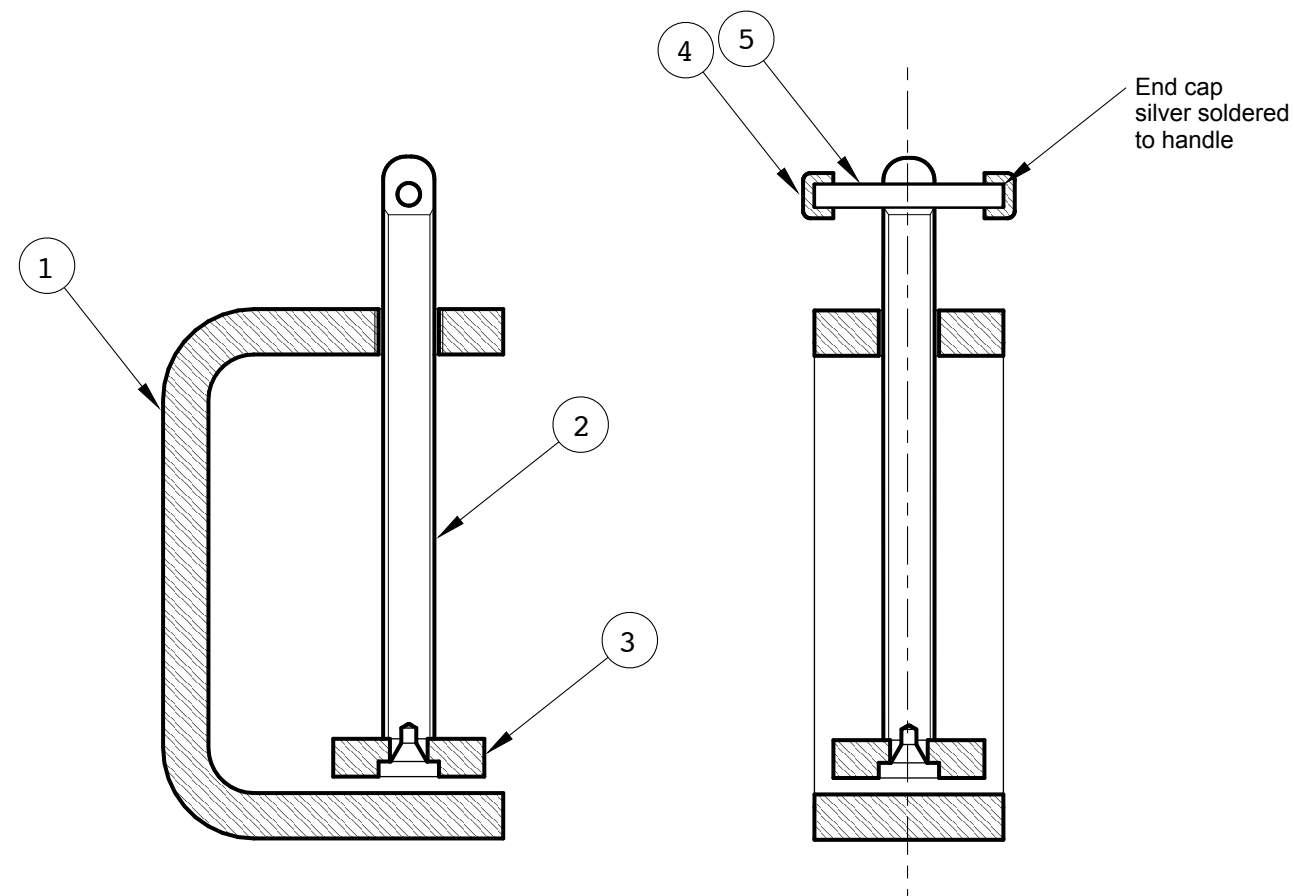
ALTHOUGH BOX SECTION USES MORE MATERIAL THE POTENTIAL FLOW RATES WITHIN BOX SECTION MAY BE OVER 27% GREATER, DELIVERING IMPROVED EFFICIENCY AND REDUCED RUNNING COSTS, ULTIMATELY OFFSETTING INCREASED INSTALLATION COSTS. OUR ENGINEERS WOULD BE PLEASED TO CONDUCT AIR FLOW DYNAMICS ASSESSMENT SHOULD YOU WISH TO FURTHER INVESTIGATE OUR PROPOSAL.



Ø50MM PIPE & 50X50
BOX SECTION



Half Sectional View



NOTES

FRAME AND SCREW THREADS NOT PRESENTED. EXTERNAL SCREW THREAD DRAWN TO INTERNAL DIAMETER (6.8MM DRILL HOLE TO SUIT M8 THREAD) AND INTERNAL FRAME THREAD DRAWN TO OUTSIDE DIAMETER OF M8 ROD (8MM), PER CLIENT INSTRUCTION AND ENSURING NO OVERLAP WHEN SECTIONING.

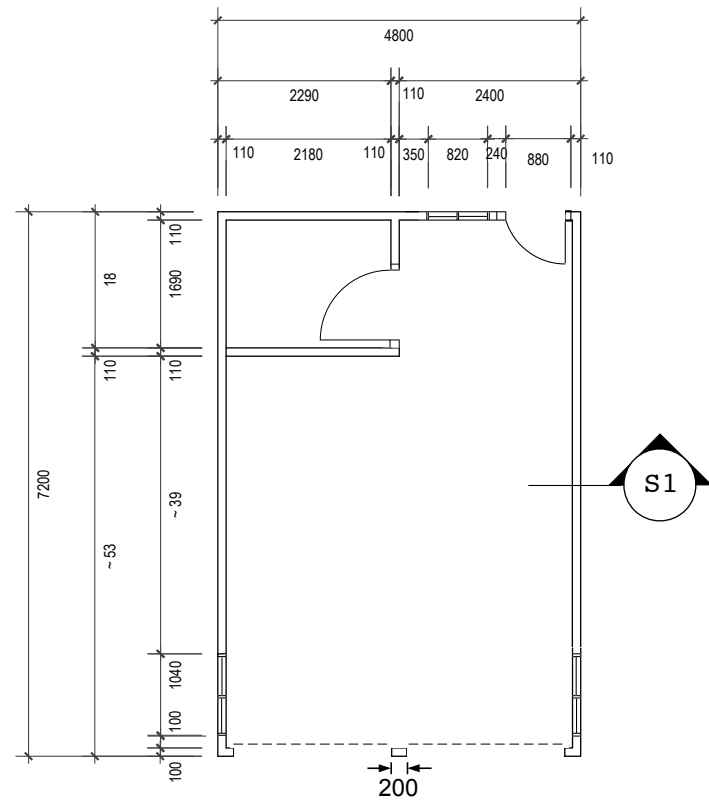
MAXIMUM CRAMP OPENING 53MM. CRAMP SHOWN SLIGHTLY OPEN (~4MM).

SHOE RETAINED WITH M2 PAN HEAD SCREW.

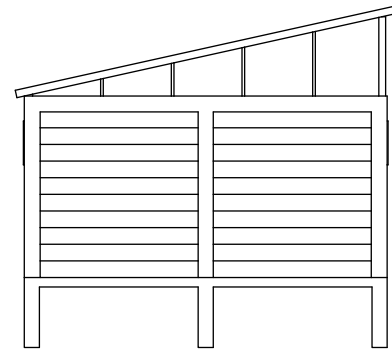
ENSURE ALIGNMENT OF HANDLE HOLE PERPENDICULAR TO LONGITUDINAL AXIS OF SCREW BY CENTRE PUNCHING SCREW LOCATION AND FIRMLY RETAINING SCREW HORIZONTALLY IN VICE WITH DRILL ALIGNED DIRECTLY THROUGH CENTRE OF SCREW.

SAA/SNZ HB1:1994 STATES: WHERE A SECTIONAL VIEW PASSES LONGITUDINALLY THROUGH RIBS, BOLTS, NUTS, SHAFTS, SPOKES OR WHEELS, ETC. THESE ITEMS SHOULD NOT BE SECTIONED BUT SHOWN IN FULL OUTLINE.

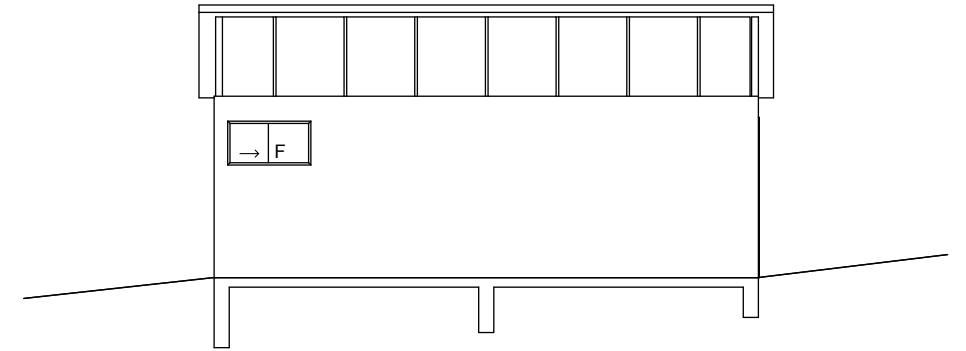
ITEM	DESC.	MATERIAL	QTY
1	FRAME	160x25x6 MILD STEEL	1
2	SCREW	M8 THREADED ROD	1
3	SHOE	Ø20X5 MILD STEEL	1
4	END CAP	Ø3X25 MILD STEEL	2
5	HANDLE	Ø6X4 MILD STEEL	1



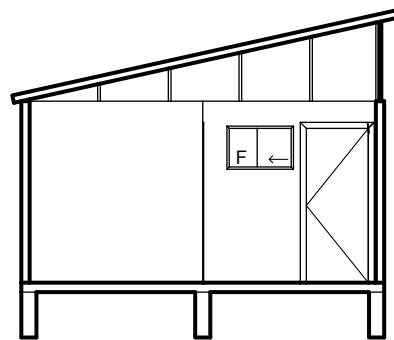
FLOOR PLAN



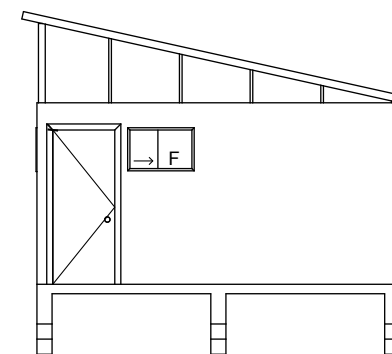
NORTH ELEVATION



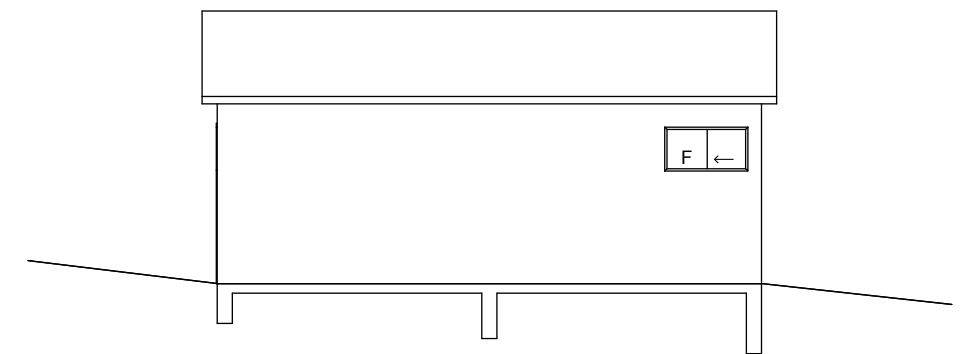
EAST ELEVATION



SECTION 1

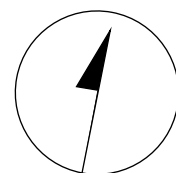


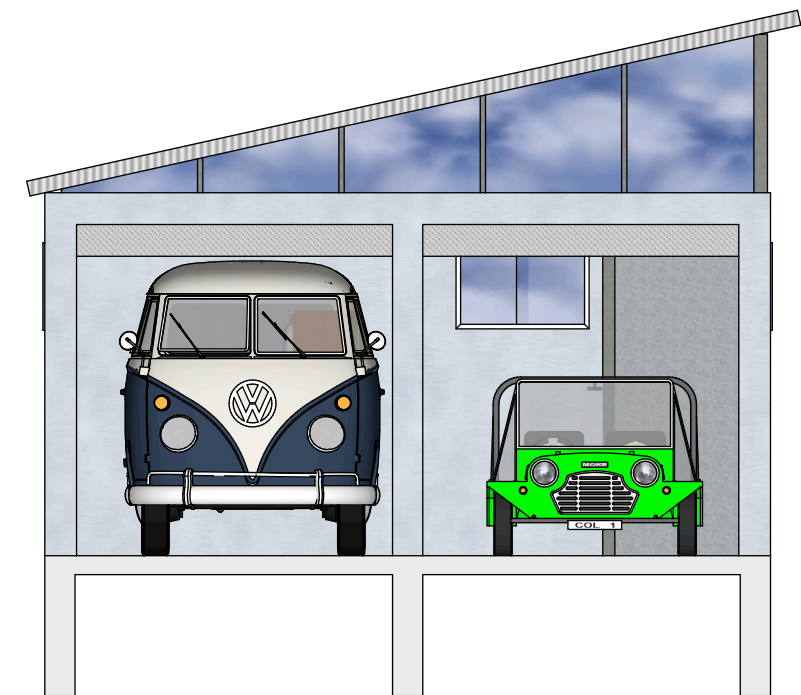
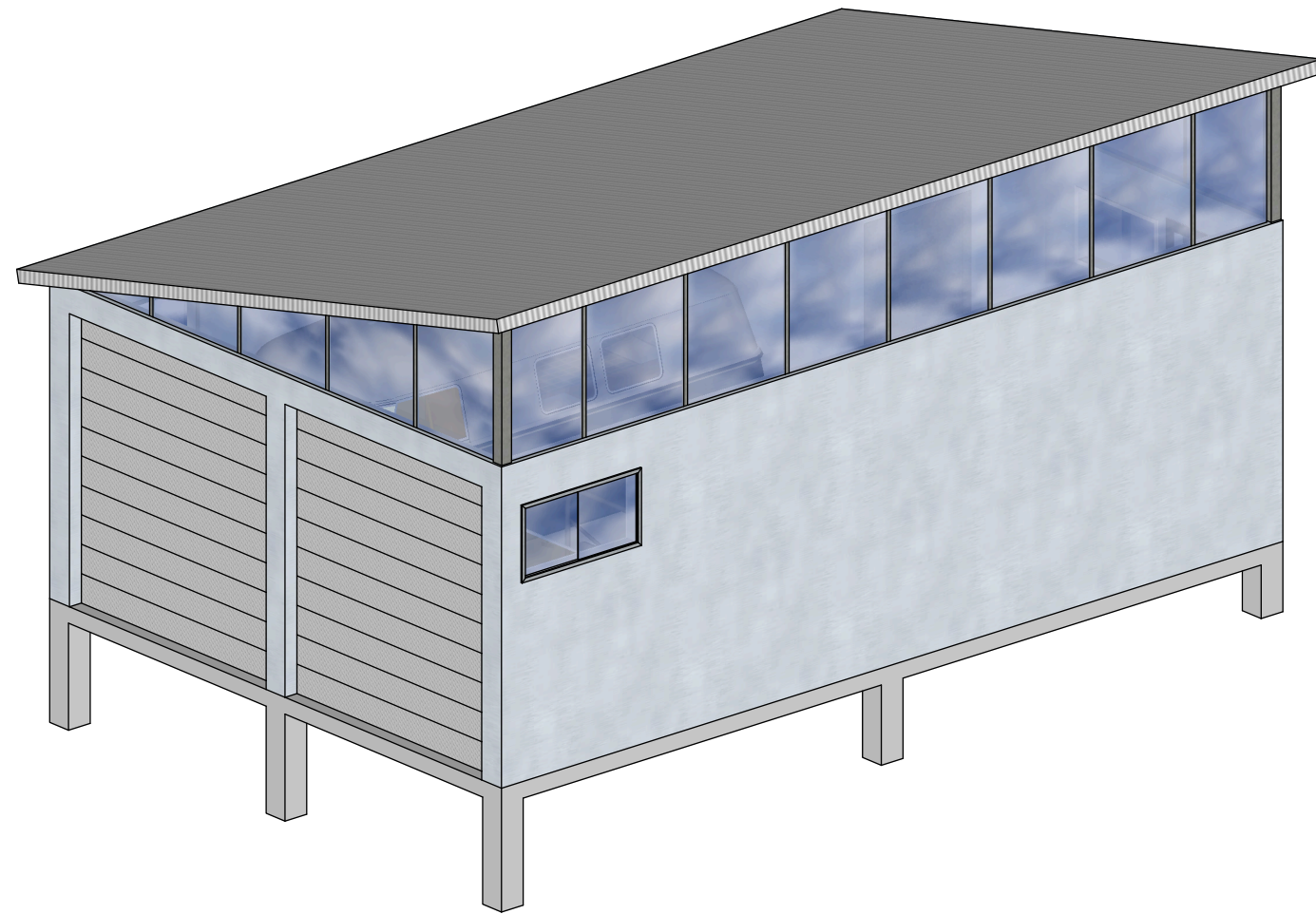
SOUTH ELEVATION



WEST ELEVATION

north

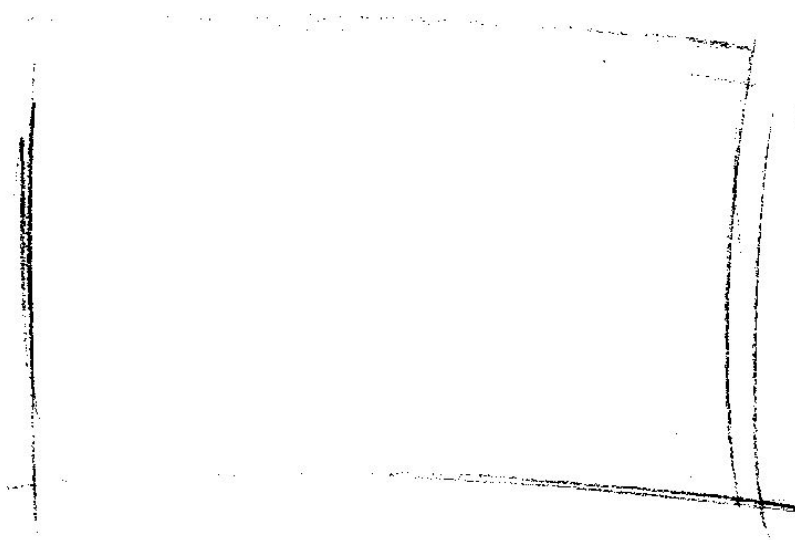
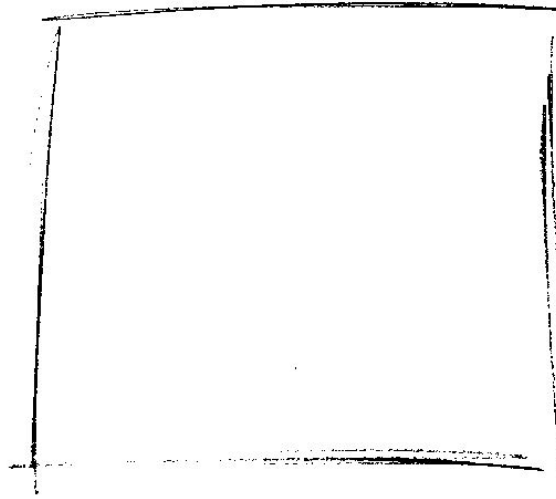




PICTORIAL VIEWS

AS1100	PAPER	SCALE	DRAWING	PROJECT	DRAWN BY
Dimensions (mm)	A3	1:50	2 of 2	PROPOSED GARAGE	Cam Mills

Square < } -> Rectangle



Appealing shape esp suited to room.

Integrate Curves (legs?)

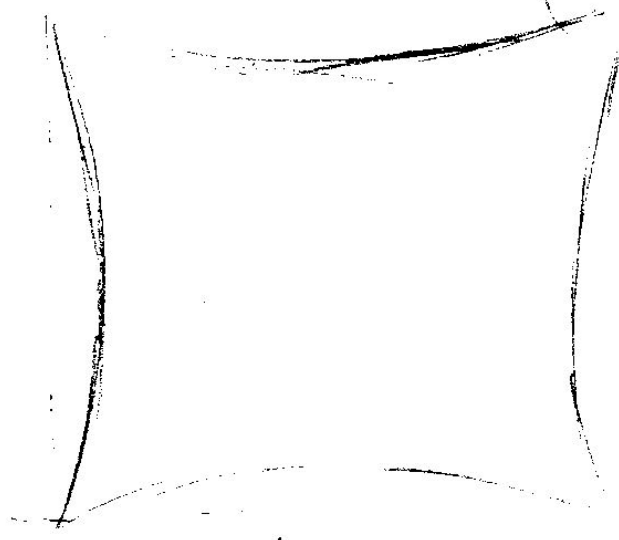
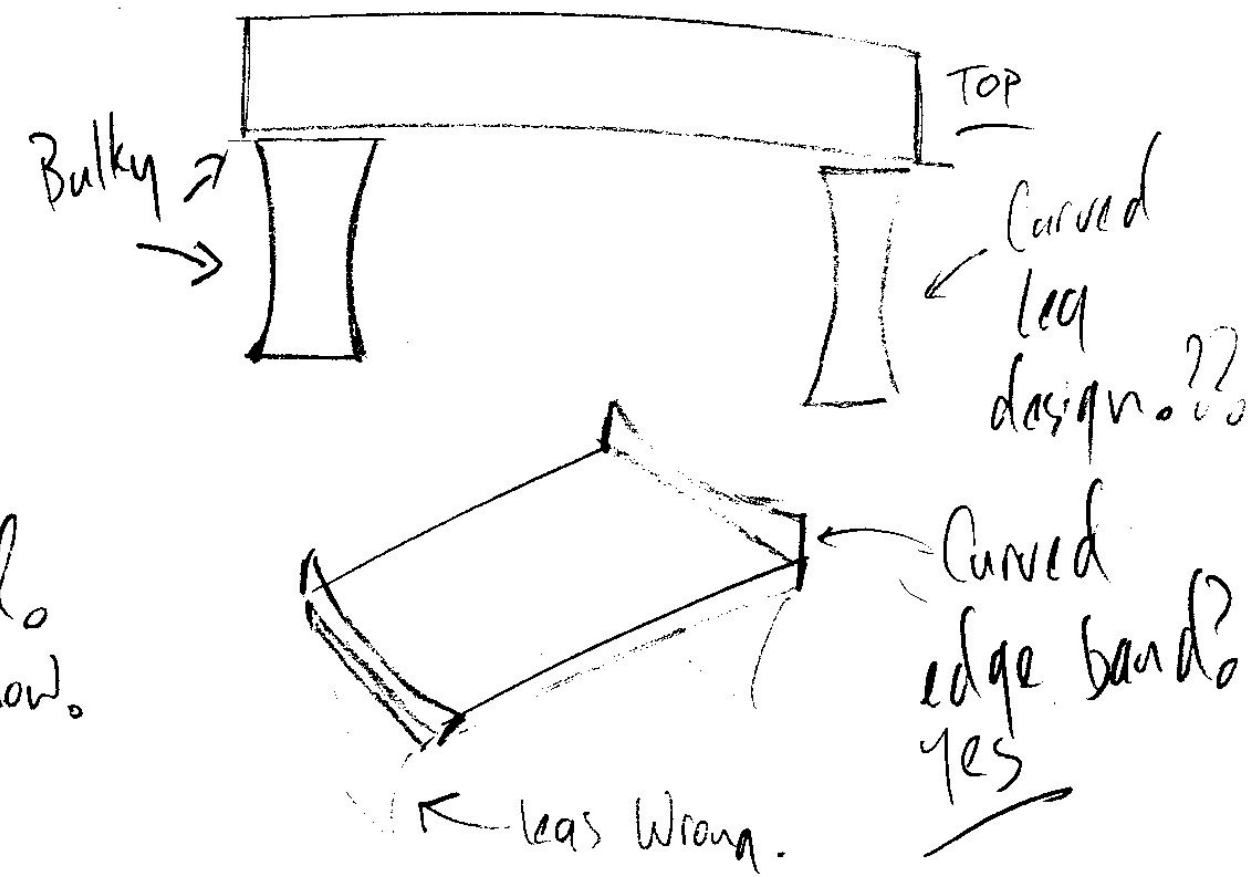
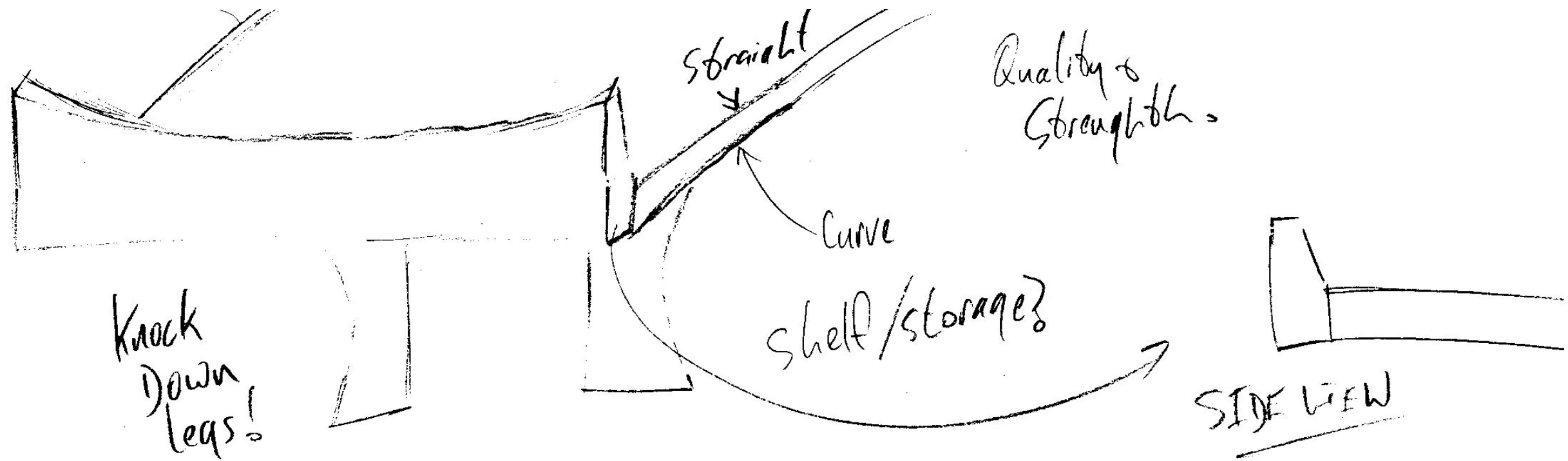


table top

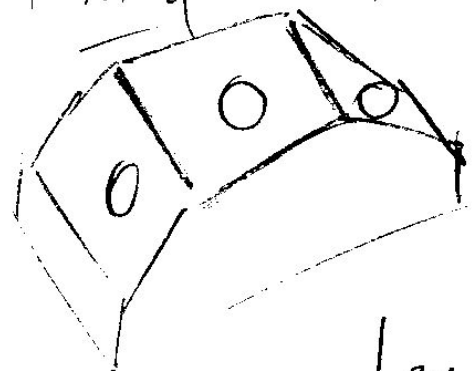
Shape as an element is appealing but straight edged top is preferred. Integrate? how. Edgeband?



- COFFEE TABLE SKETCH -

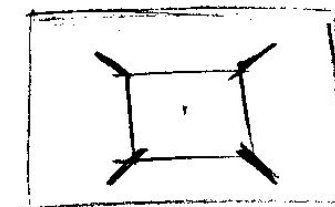
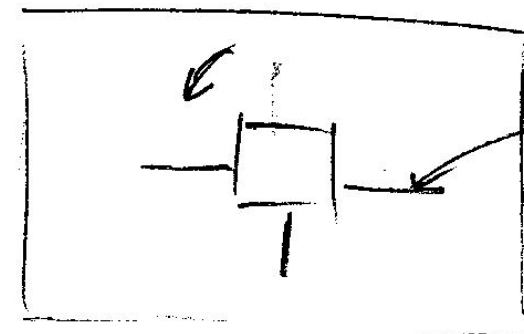


Fixing Blocks



leg

shelf.



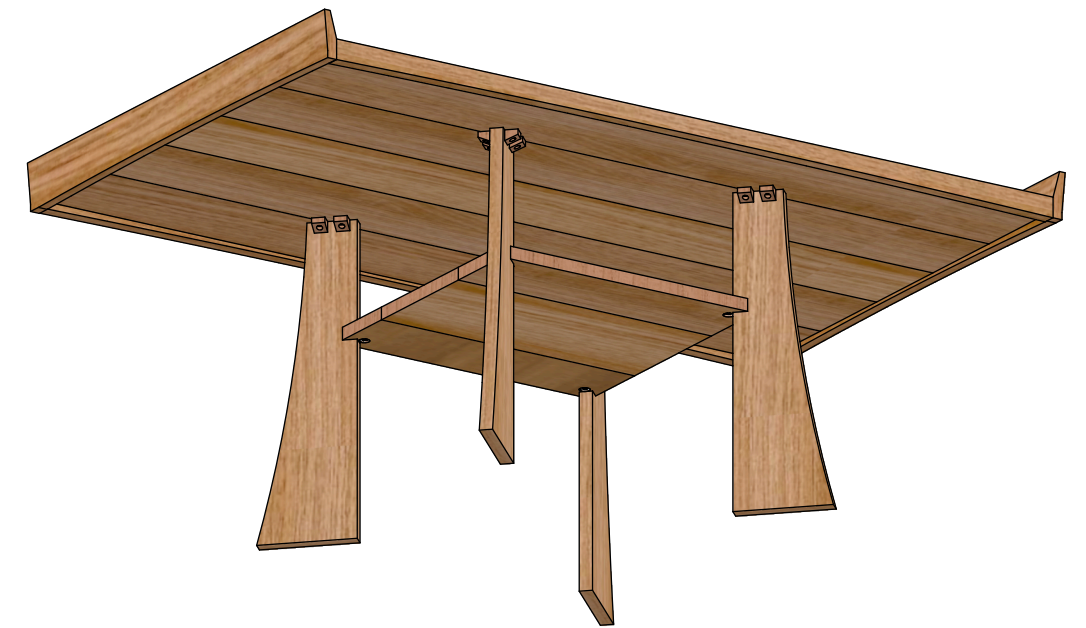
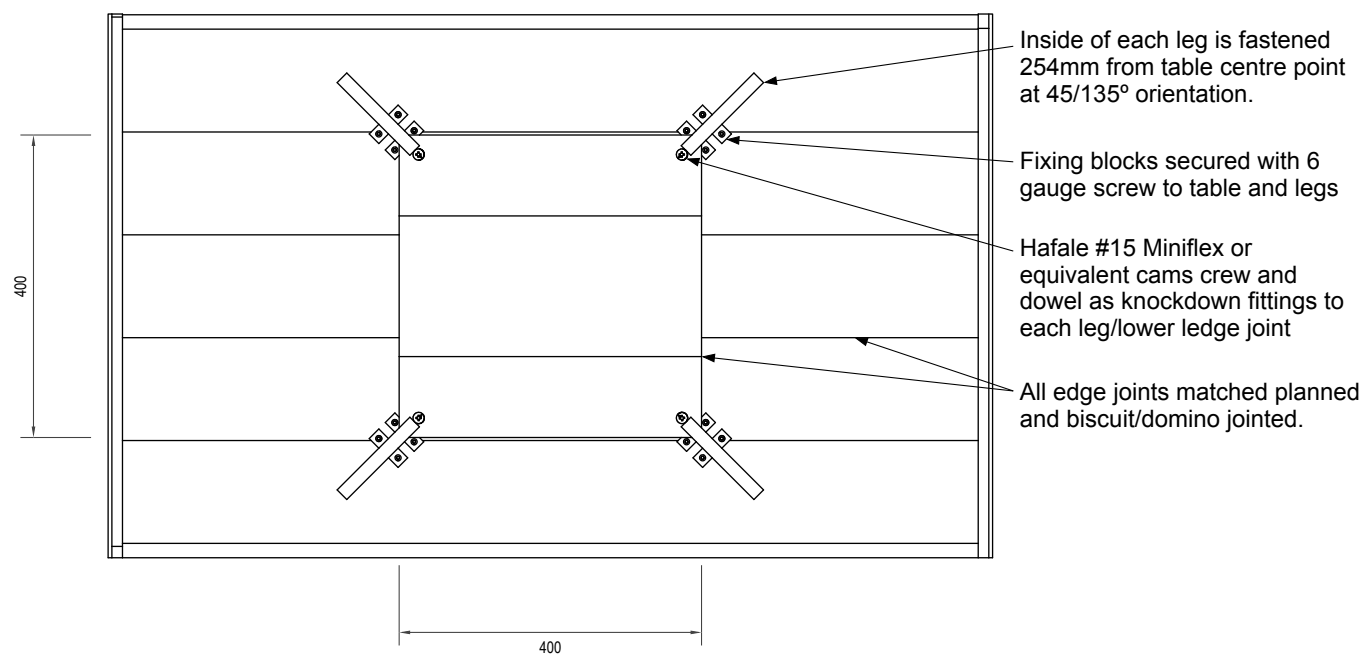
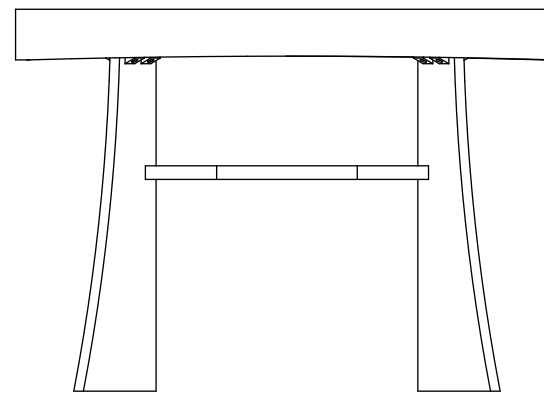
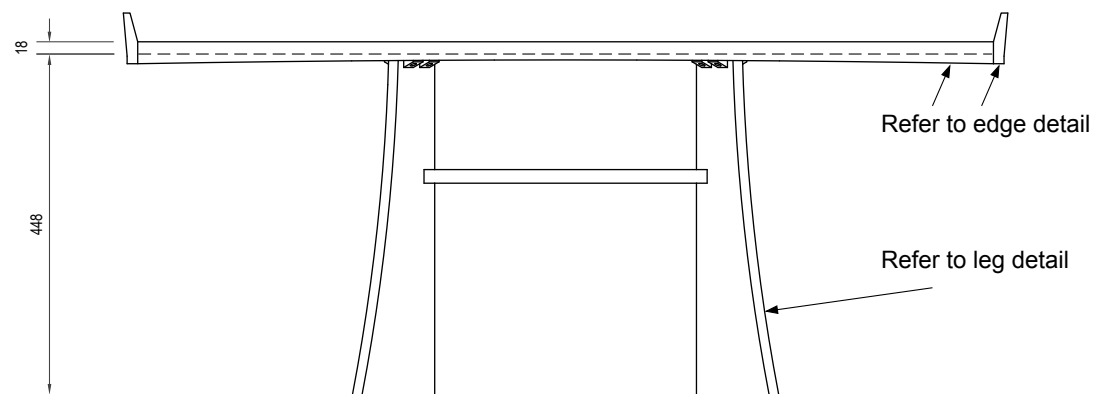
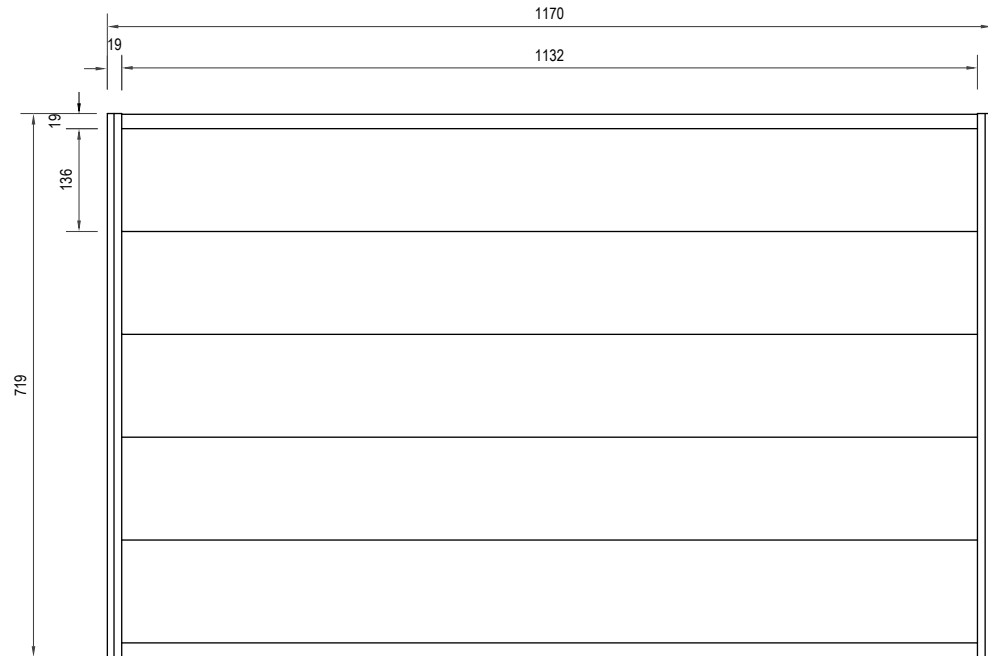


ASIAN TEAK COFFEE TABLE WITH DEMOUNTABLE LEGS

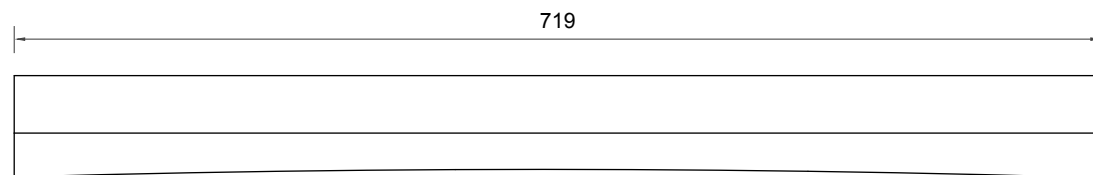
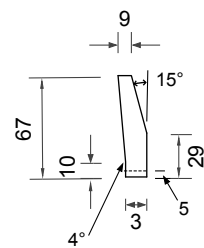
- 3D RENDERED CONCEPTUAL VIEW INDICATING SHADOW -

NOTE
This drawing is scaled to 1:5 so that it may be printed on A3 paper.
Per the assessment question, a 1:1 scaled drawing of this piece would not fit onto ISO A0 paper.

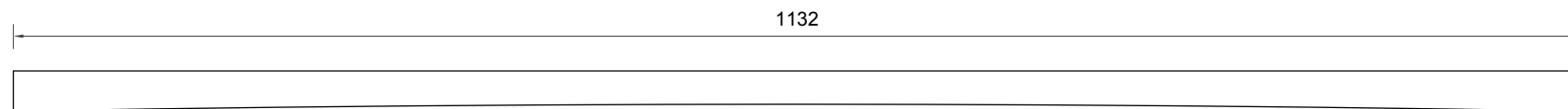
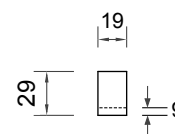
AS1100	PAPER	SCALE	DRAWING	PROJECT	DRAWN BY
Dimensions (mm)	A3	1:5	3 of 5	COFFEE TABLE	Cam Mills



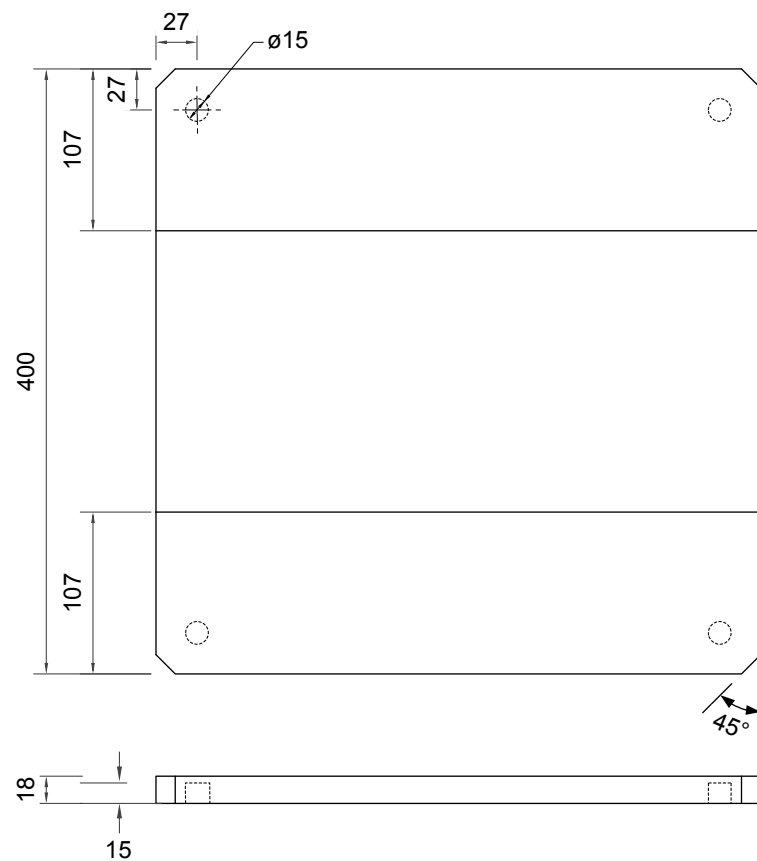
MATERIAL LIST			
DESC.	MATERIAL MM (LxWxT)		QTY
TABLE TOP	448x136x18	- TEAK	4
EDGE STRIP (SHORT)	719x67x19	- TEAK	2
EDGE STRIP (LONG)	1132x29x19	- TEAK	2
LOWER LEDGE	400x186x18	- TEAK	1
LOWER LEDGE	400x107x18	- TEAK	2
LOWER LEDGE FIXINGS	HAFALE MINIFIX #15 SET		8
FIXING BLOCKS	54x15x18	- TEAK	4
FIXING BLOCK SCREWS	6Gx20 BRASS WOOD SCREW		12



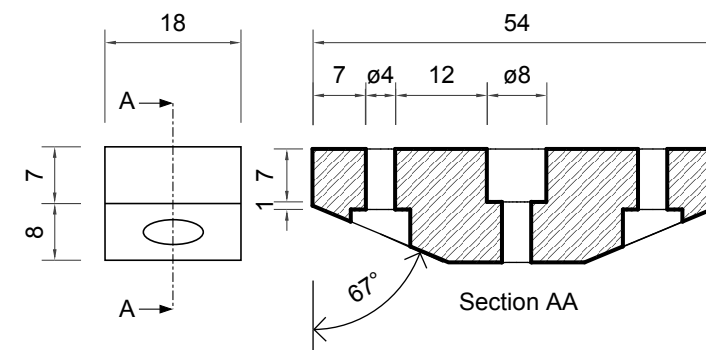
EDGE STRIP (SHORT)



EDGE STRIP (LONG)

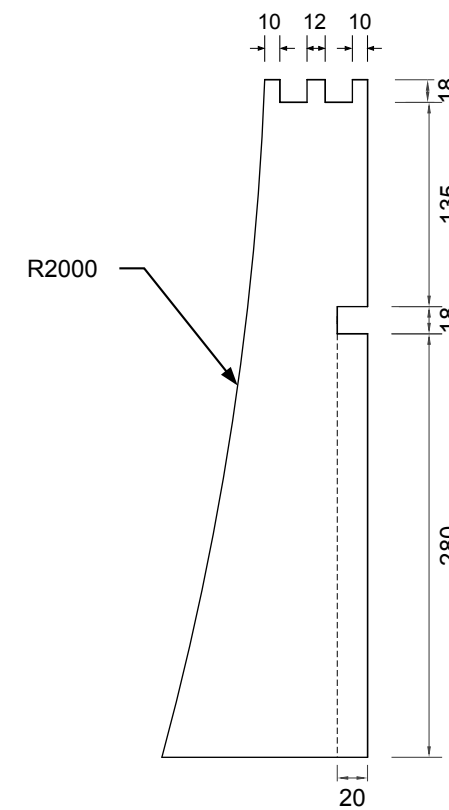
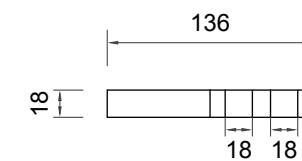


LOWER LEDGE

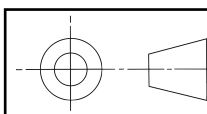
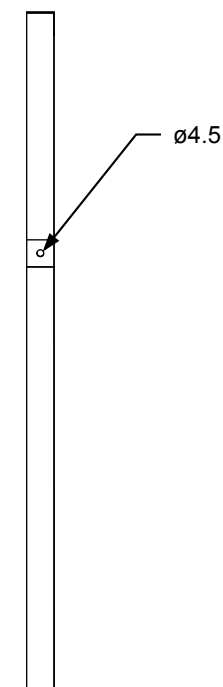


Section AA

FIXING BLOCK
SCALE 1:1



LEG



AS1100
Dimensions (mm)

PAPER
A3

SCALE
1:5

DRAWING
5 of 5

PROJECT
COFFEE TABLE

DRAWN BY
Cam Mills

DATE
Sept, 2014