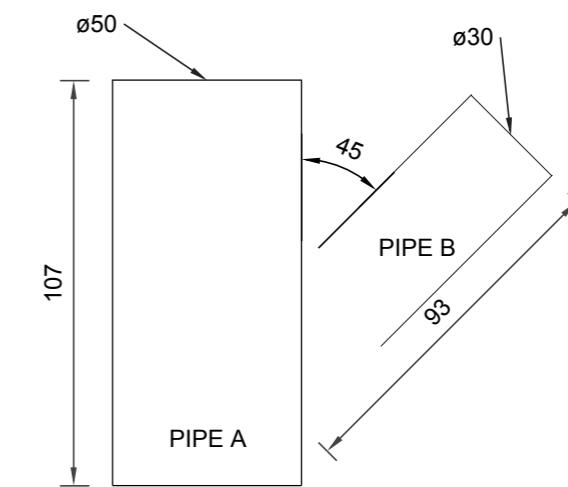
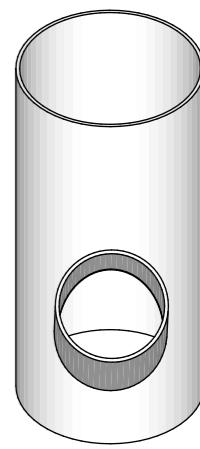


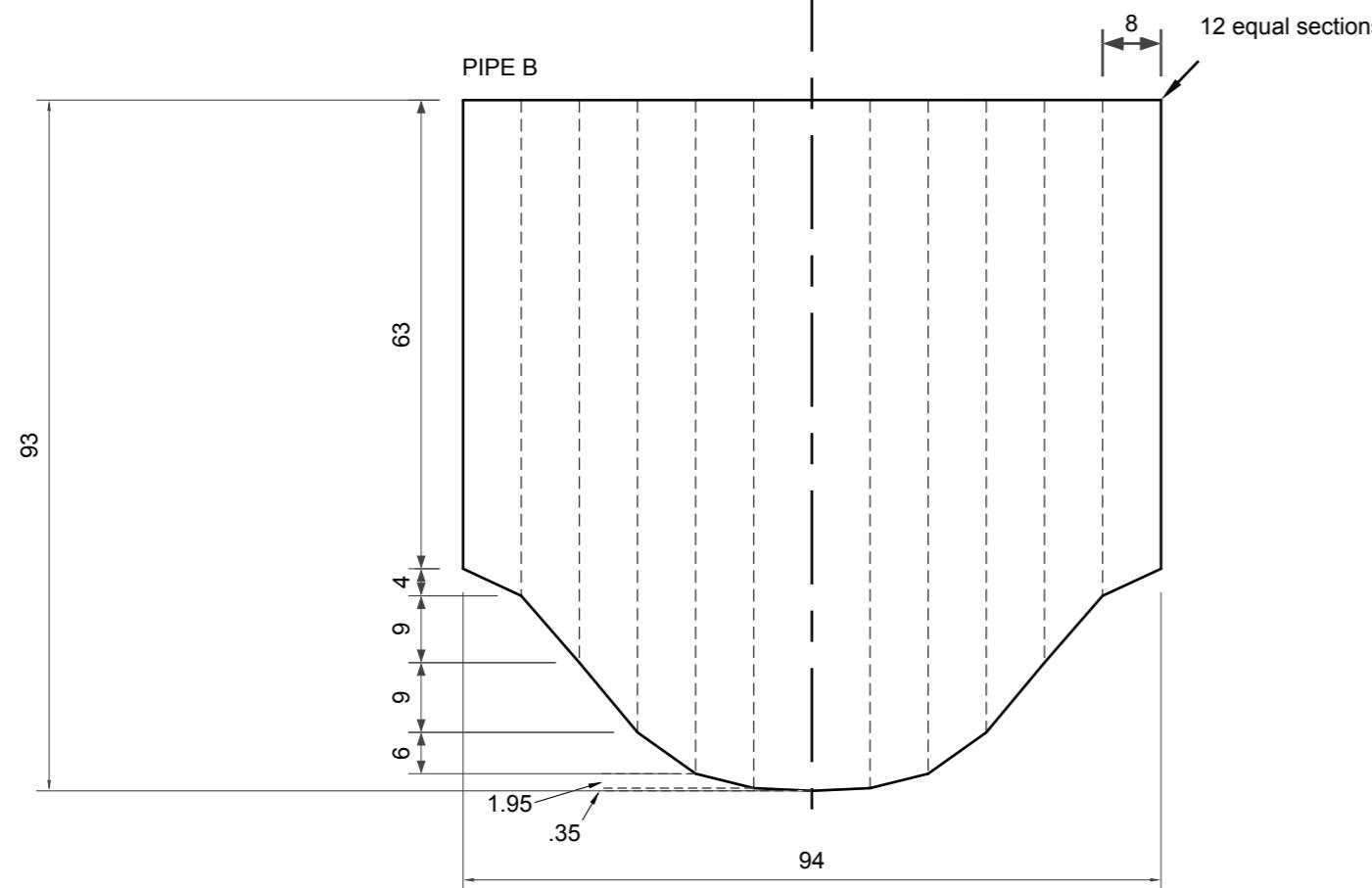
Smooth curves
of oval cutout to
meet points indicate

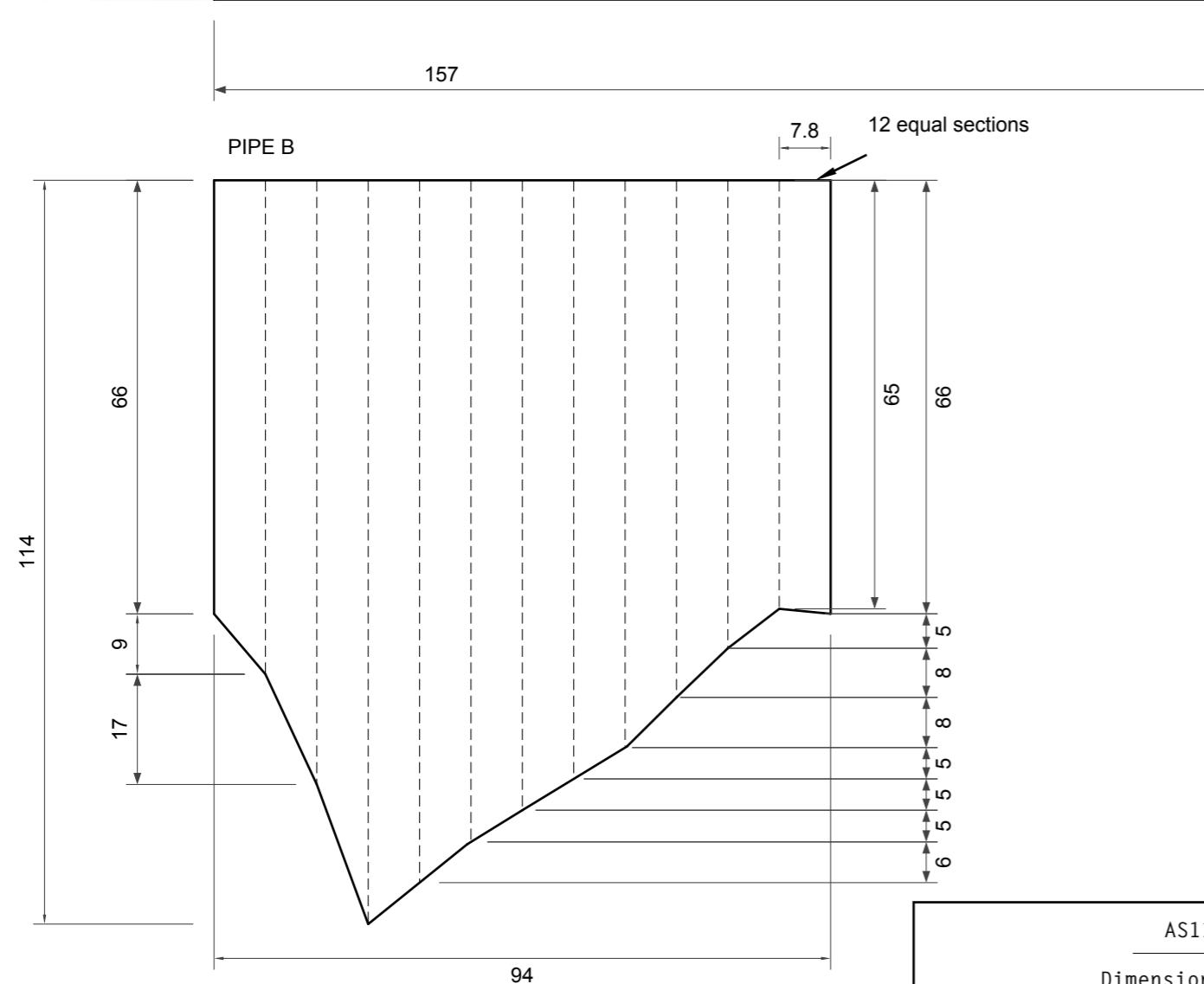
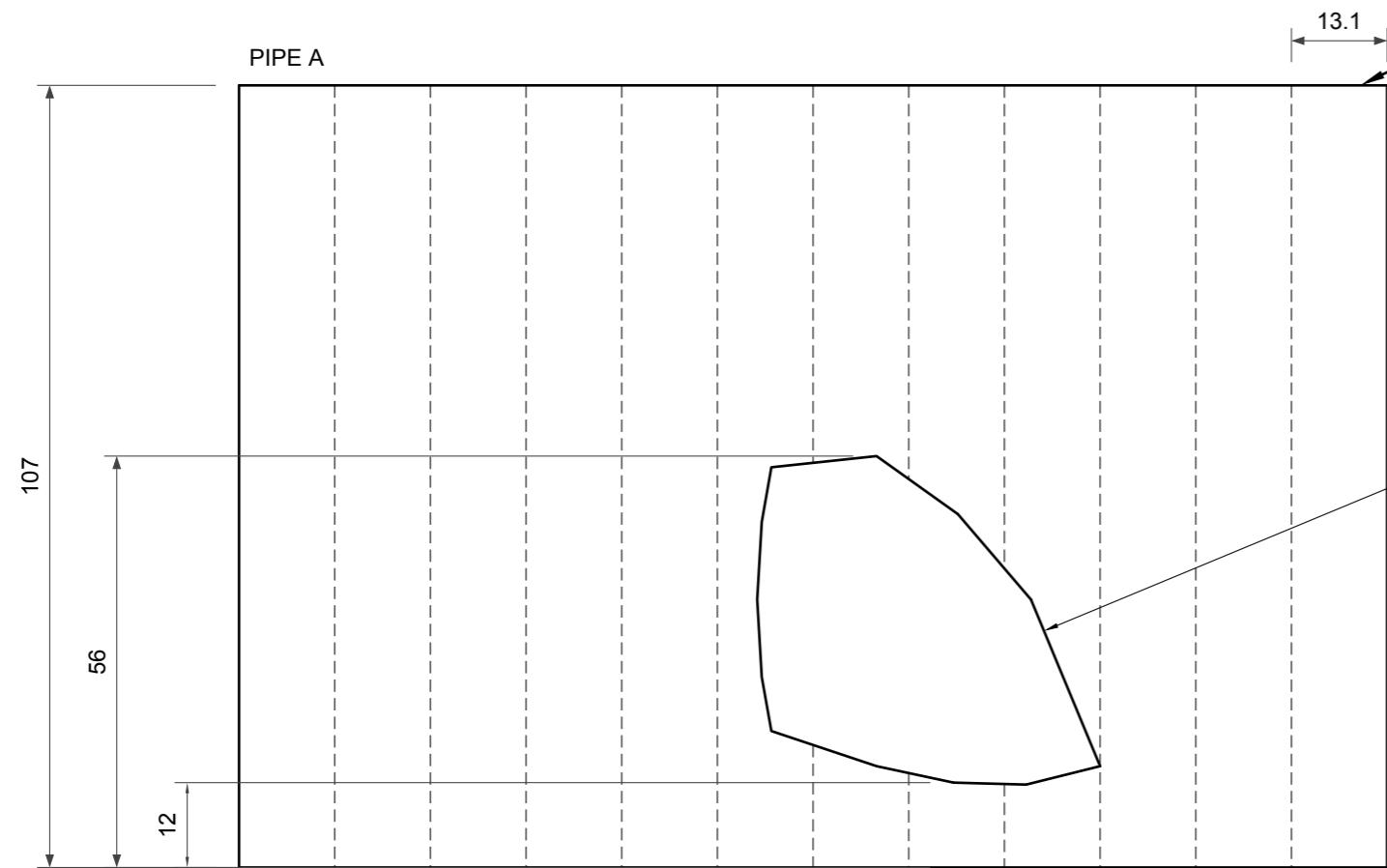


PIPE DIMENSION
SCALE 1:2

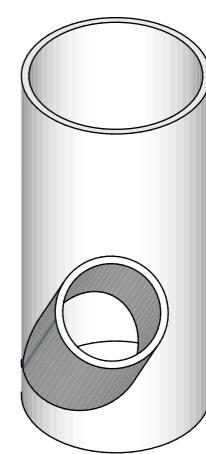
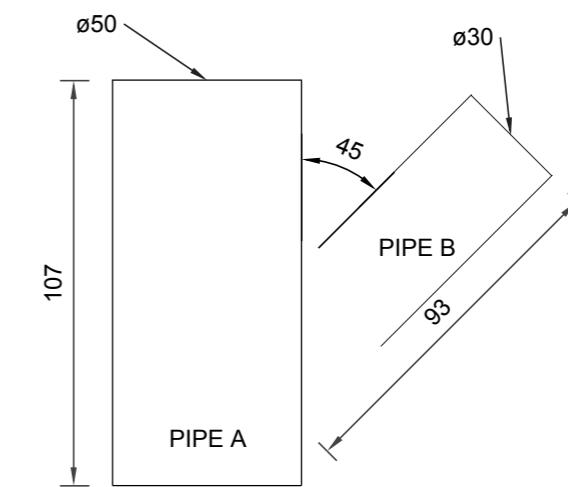


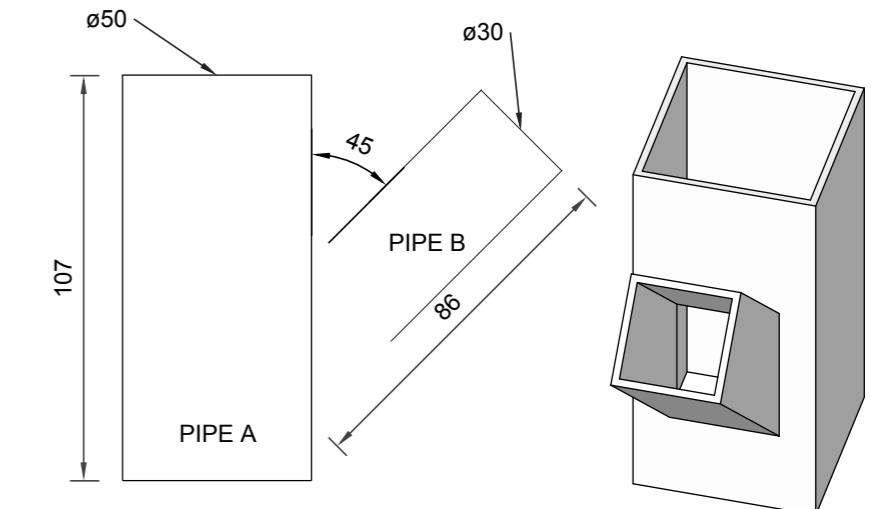
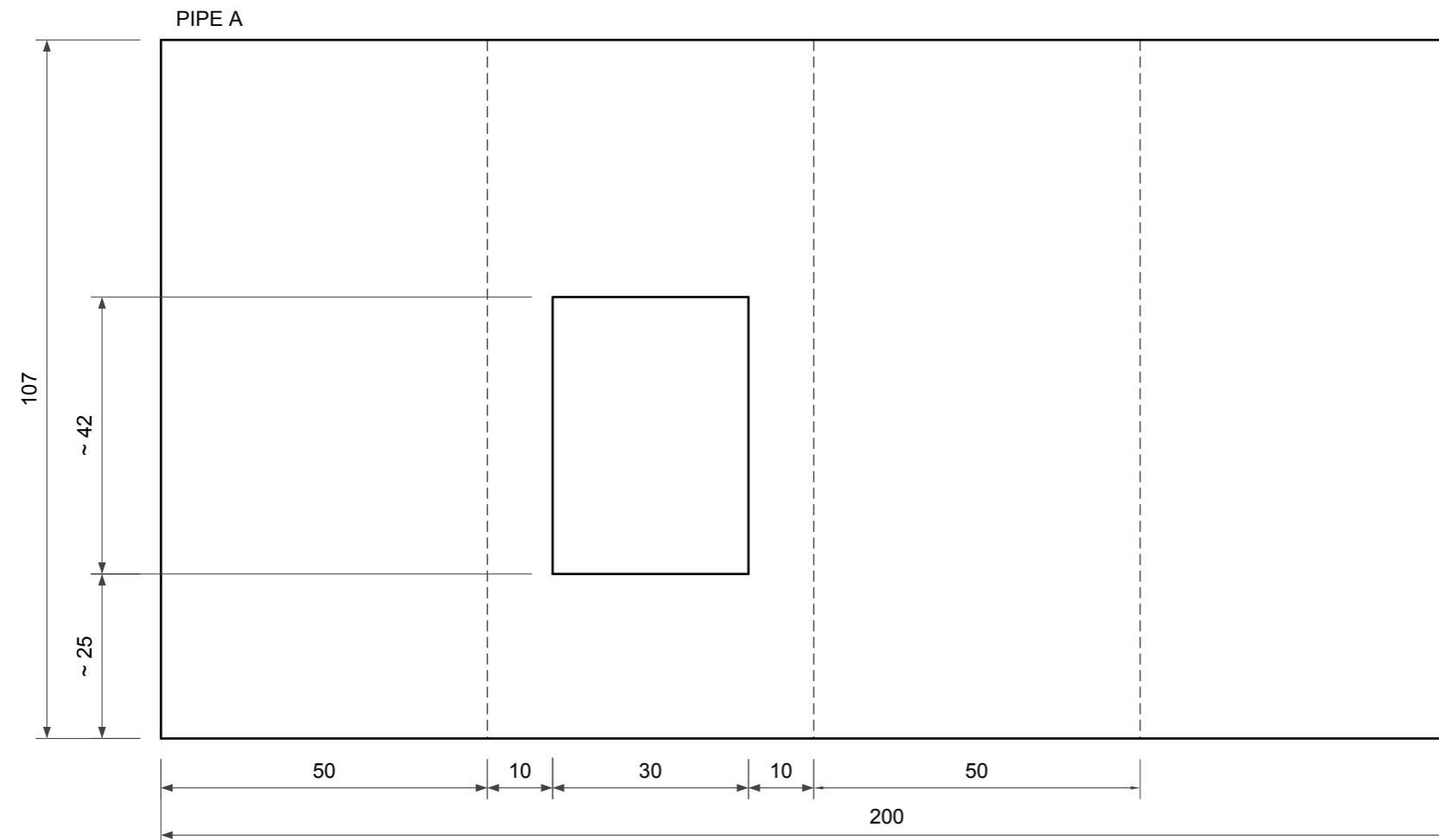
3D PICTORIAL VIEW
SCALE 1:2



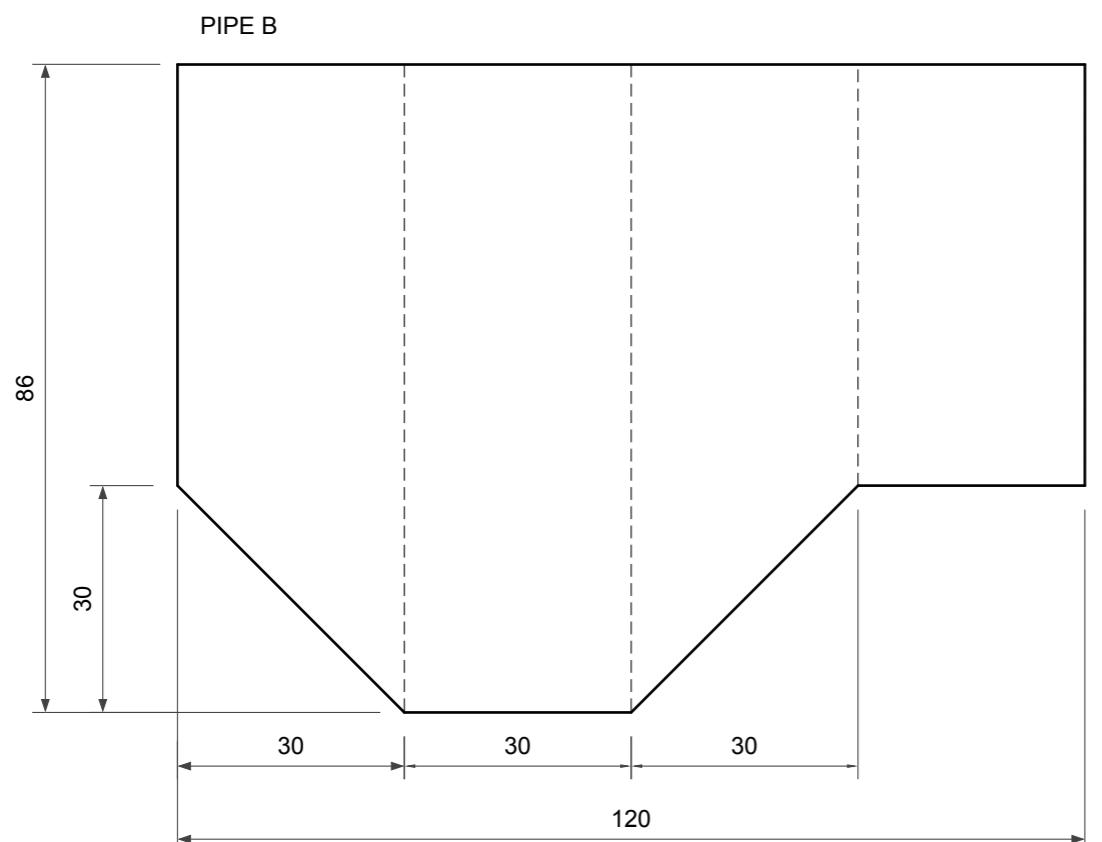


| | | | | | |
|-----------------|-------|-------|---------|------------------|-----------|
| AS1100 | PAPER | SCALE | DRAWING | PROJECT | DRAWN BY |
| Dimensions (mm) | A3 | 1:1 | 2 of 3 | Pipe Development | Cam Mills |





PIPE DIMENSION
Pipes A&B on central axis
SCALE 1:2



NOTE

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

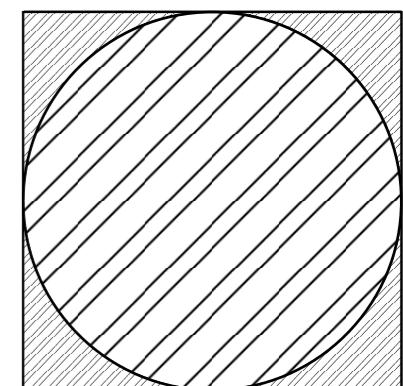
OUR ANALYSIS REVEALED:

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

NOTES

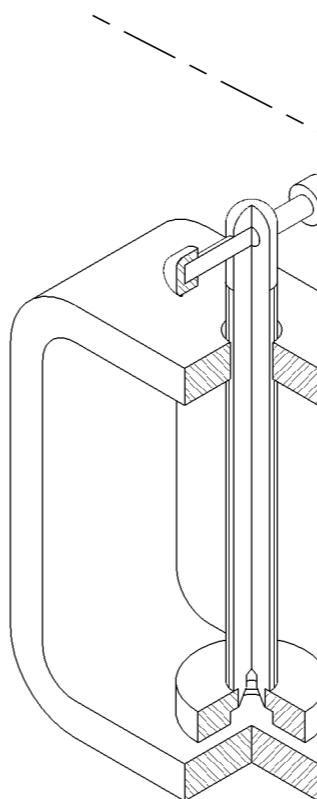
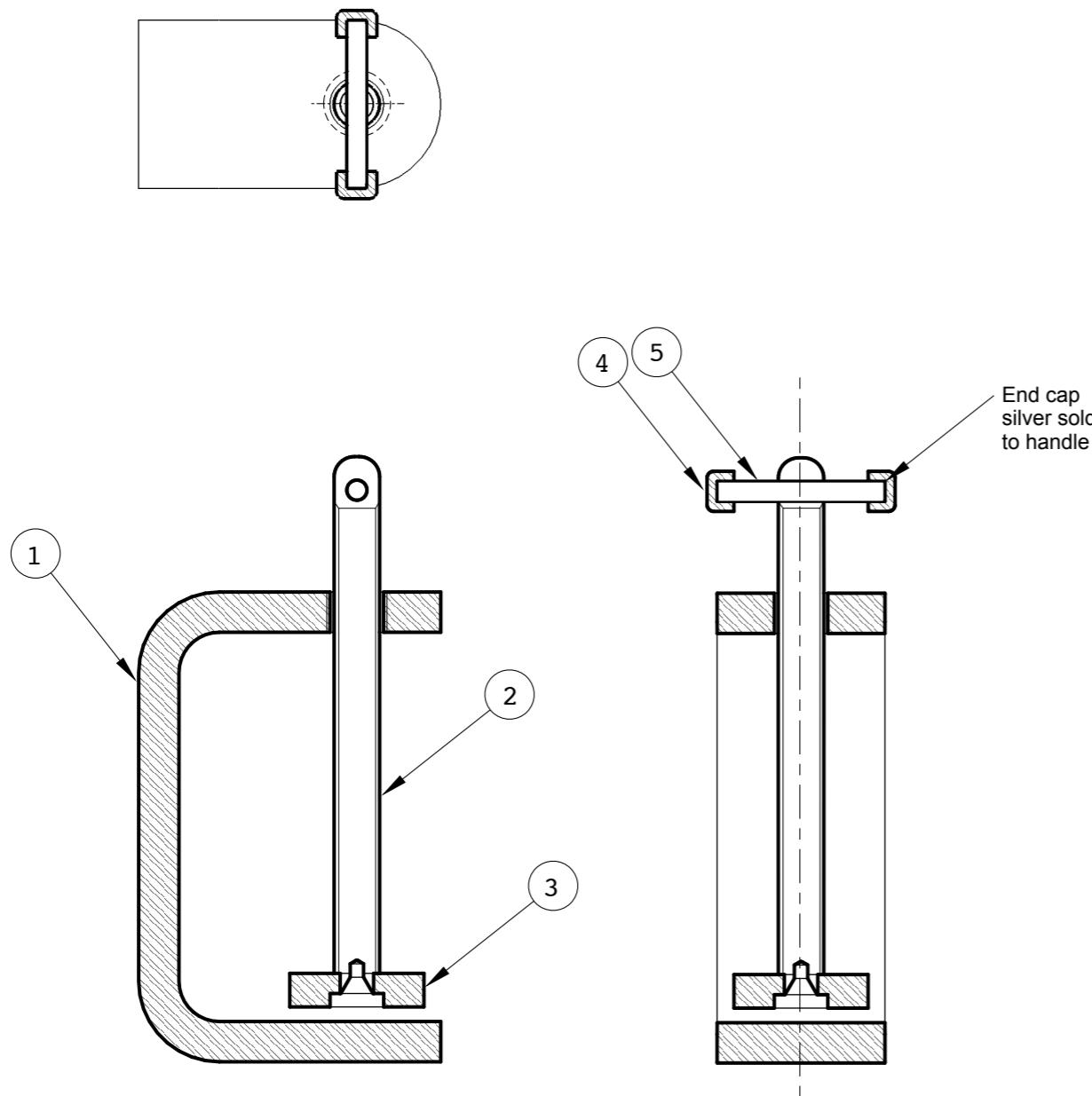
FRAME AND SCREW THREADS NOT PRESENTED.
EXTERNAL SCREW THREAD DRAWN TO INTERNAL
DIAMETER (6.8MM DRILL HOLE TO SUIT M8 THREAD)
AND INTERNAL FRAME THREAD DRAWN TO OUTSIDE
DIAMETER OF M8 ROD (8MM), PER CLIENT
INSTRUCTION AND ENSURING NO OVERLAP WHEN
SECTIONING.

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

SHOE RETAINED WITH M2 PAN HEAD SCREW.

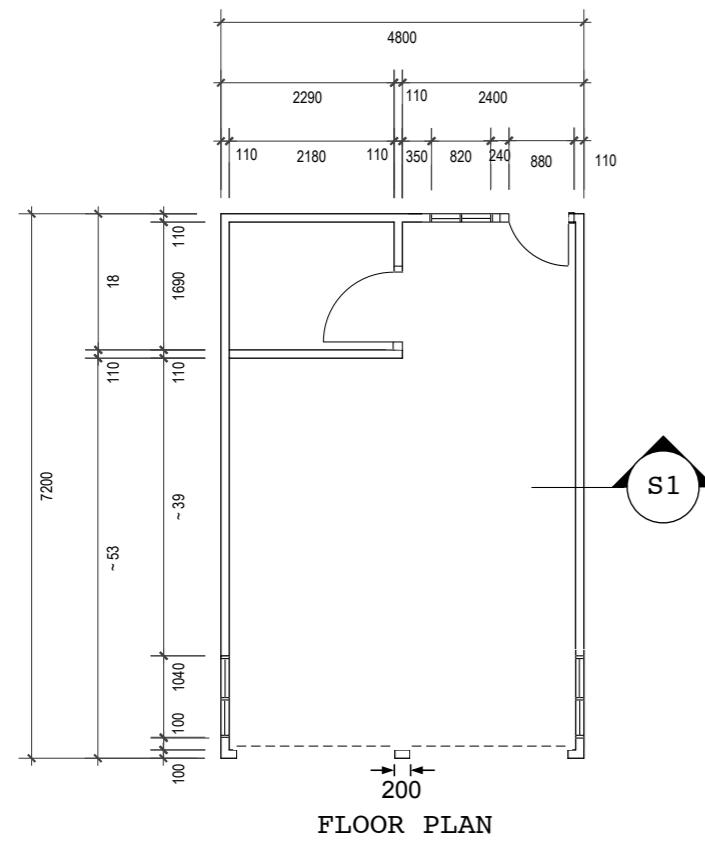
ENSURE ALIGNMENT OF HANDLE HOLE PERPENDICULAR
TO LONGITUDINAL AXIS OF SCREW BY CENTRE
PUNCHING SCREW LOCATION AND FIRMLY RETAINING
SCREW HORIZONTALLY IN VICE WITH DRILL ALIGNED
DIRECTLY THROUGH CENTRE OF SCREW.

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.

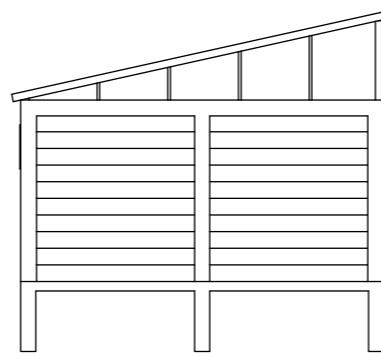


Half Sectional View

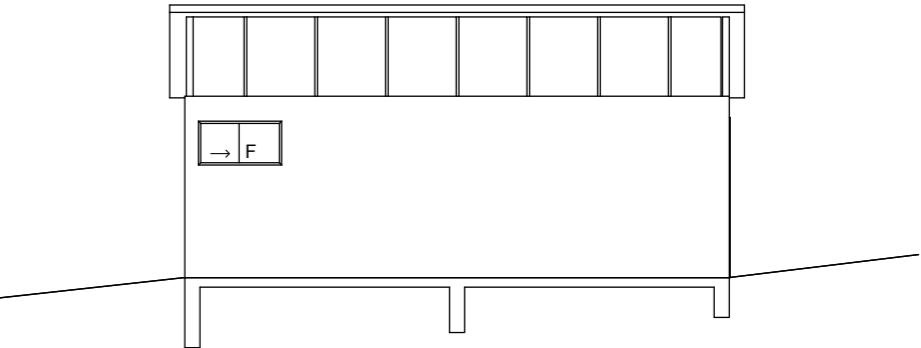
| ITEM | DESC. | MATERIAL | QTY |
|------|---------|---------------------|-----|
| 1 | FRAME | 160x25x6 MILD STEEL | 1 |
| 2 | SCREW | M8 THREADED ROD | 1 |
| 3 | SHOE | Ø20X5 MILD STEEL | 1 |
| 4 | END CAP | Ø3X25 MILD STEEL | 2 |
| 5 | HANDLE | Ø6X4 MILD STEEL | 1 |



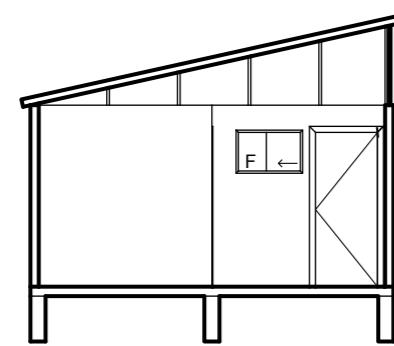
FLOOR PLAN



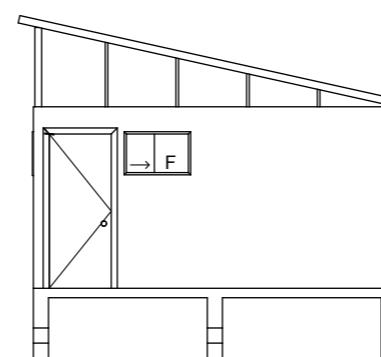
NORTH ELEVATION



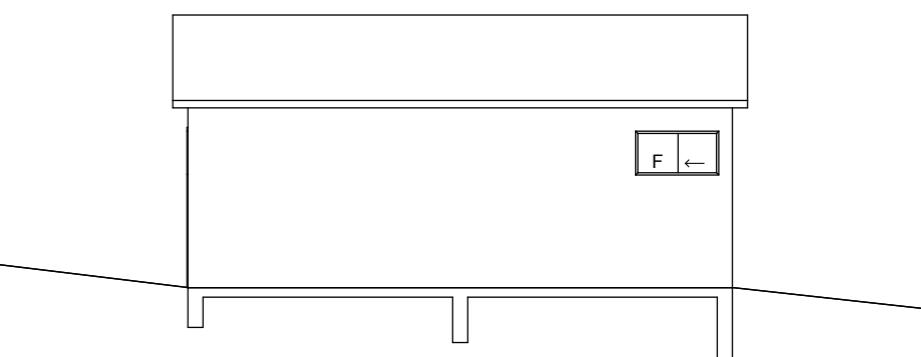
EAST ELEVATION



SECTION 1

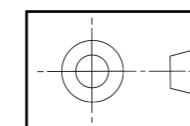
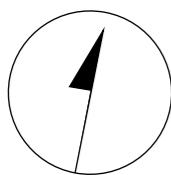


SOUTH ELEVATION



WEST ELEVATION

north



AS1100
Dimensions (mm) A3

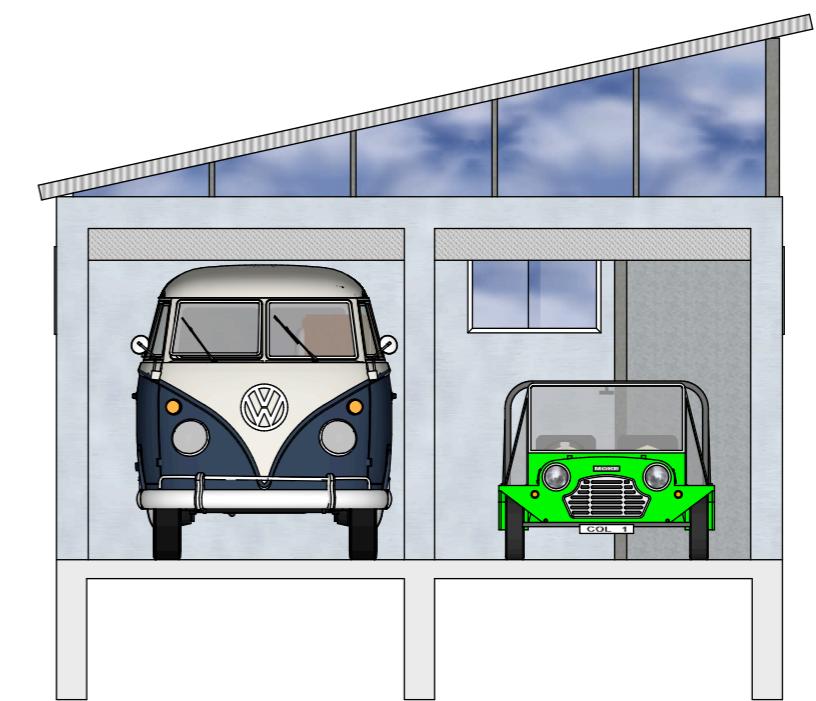
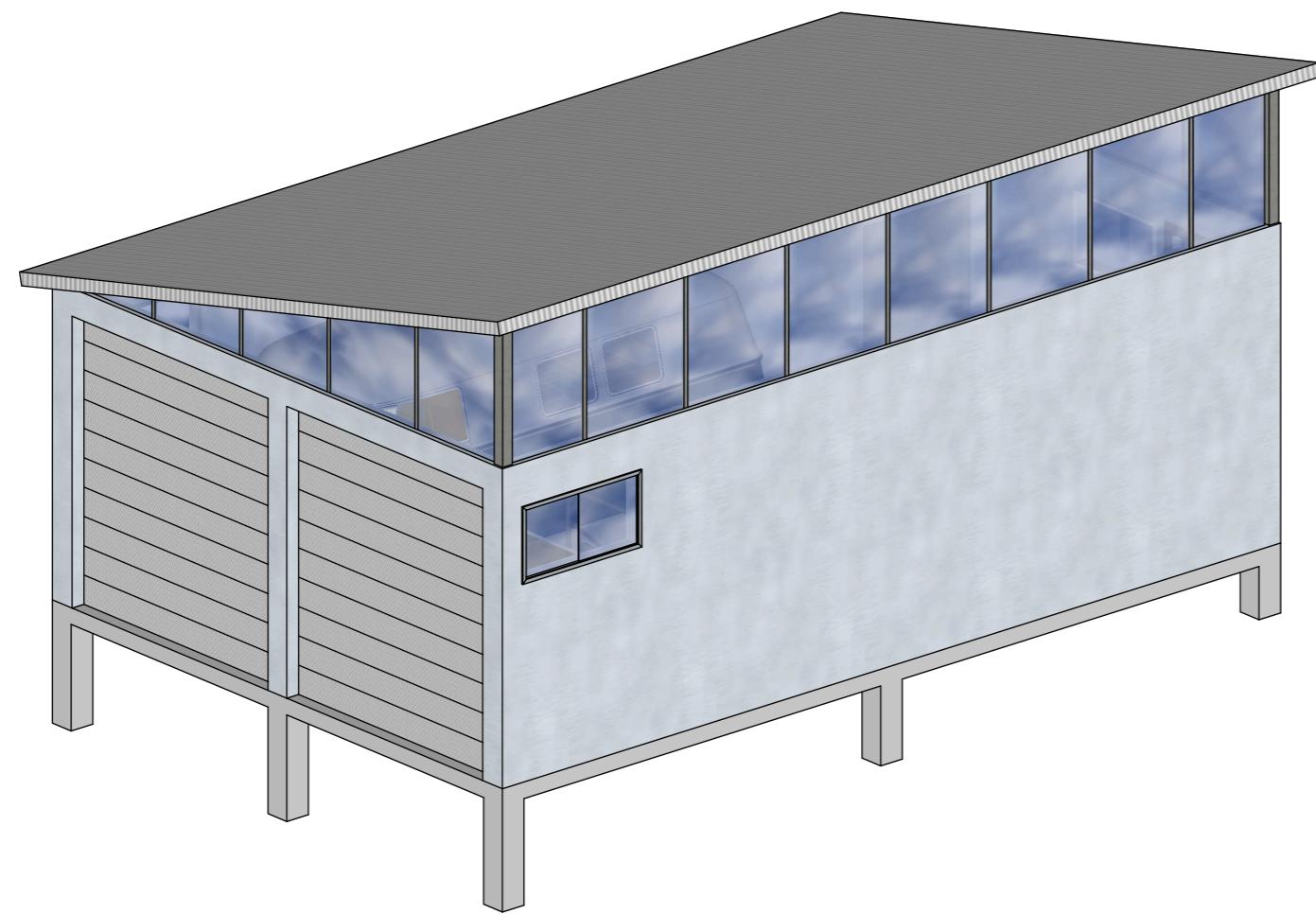
PAPER
1:100

SCALE
1 of 2

DRAWING
PROPOSED GARAGE

PROJECT
Cam Mills

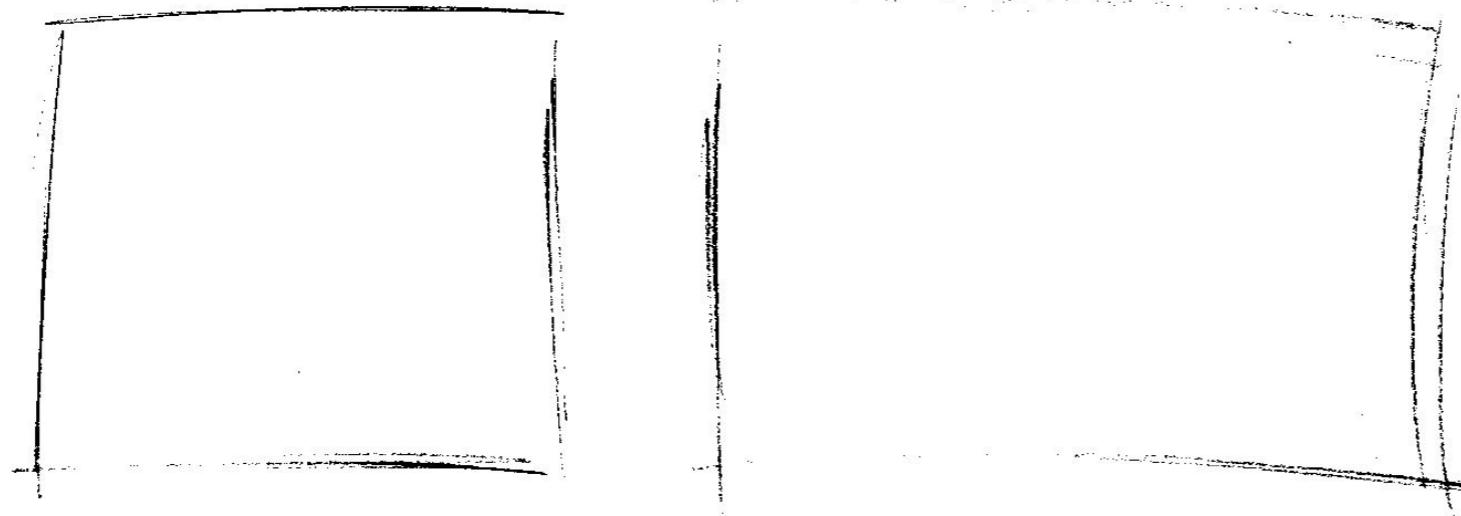
DRAWN BY
Southern Cross
University



PICTORIAL VIEWS

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

Square \leftrightarrow Rectangle



Appealing shape
esp suited to
rooms.

Integrate Curves (legs?)

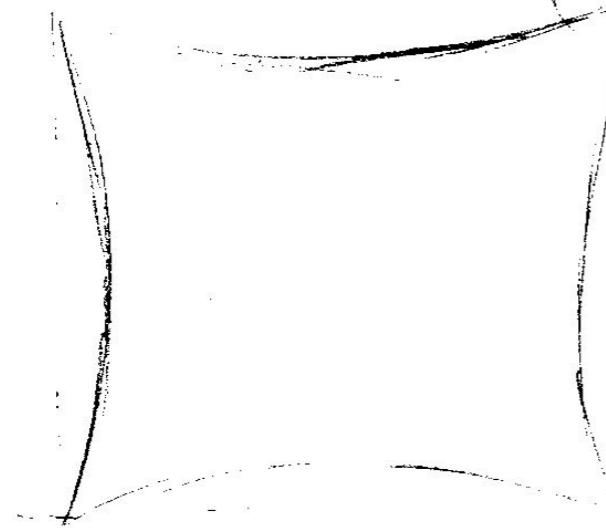
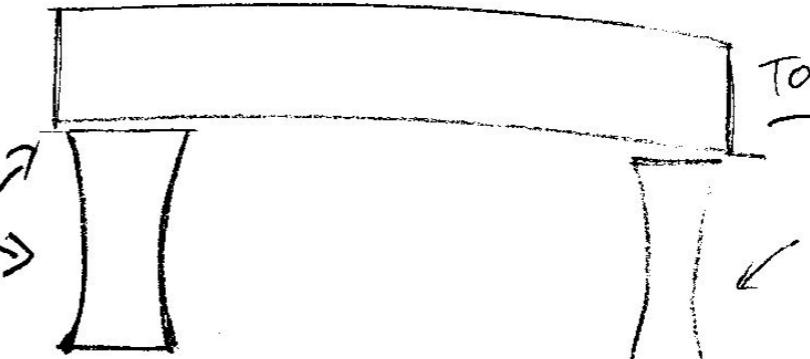


Table top

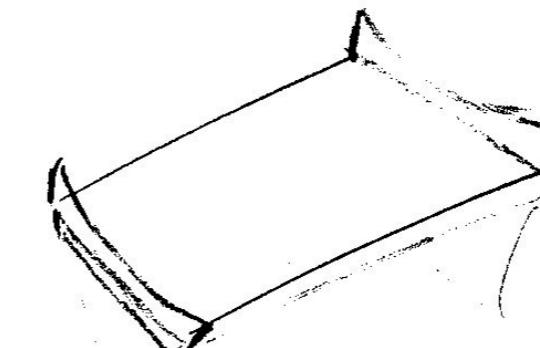
Shape as an
element is
appealing but
straight edged
top is preferred.
Integrate? how.
Edgeband?

Bulky



TOP

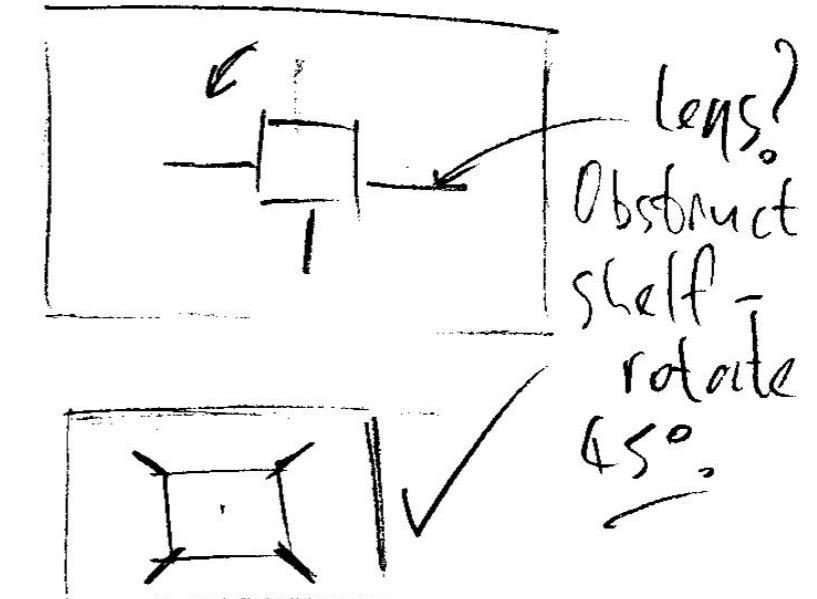
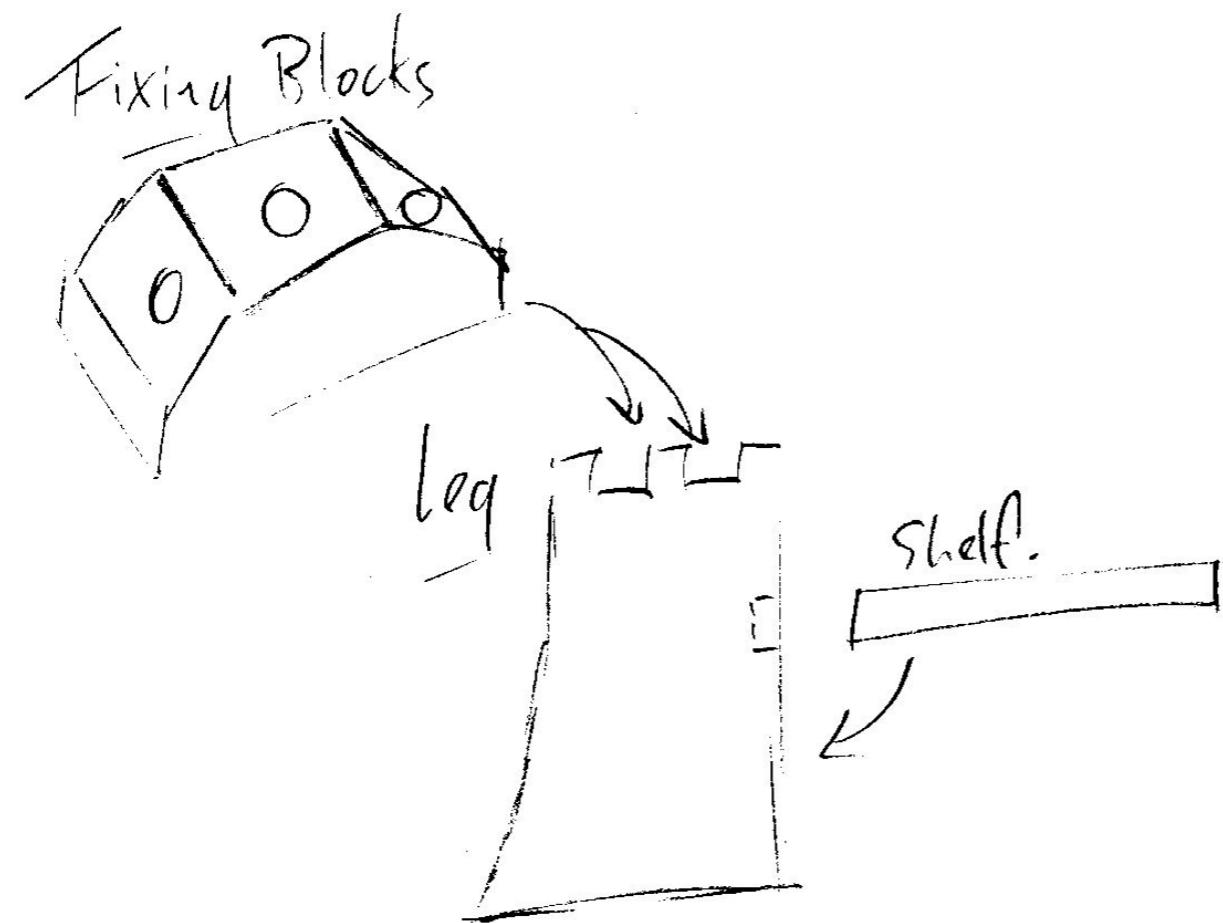
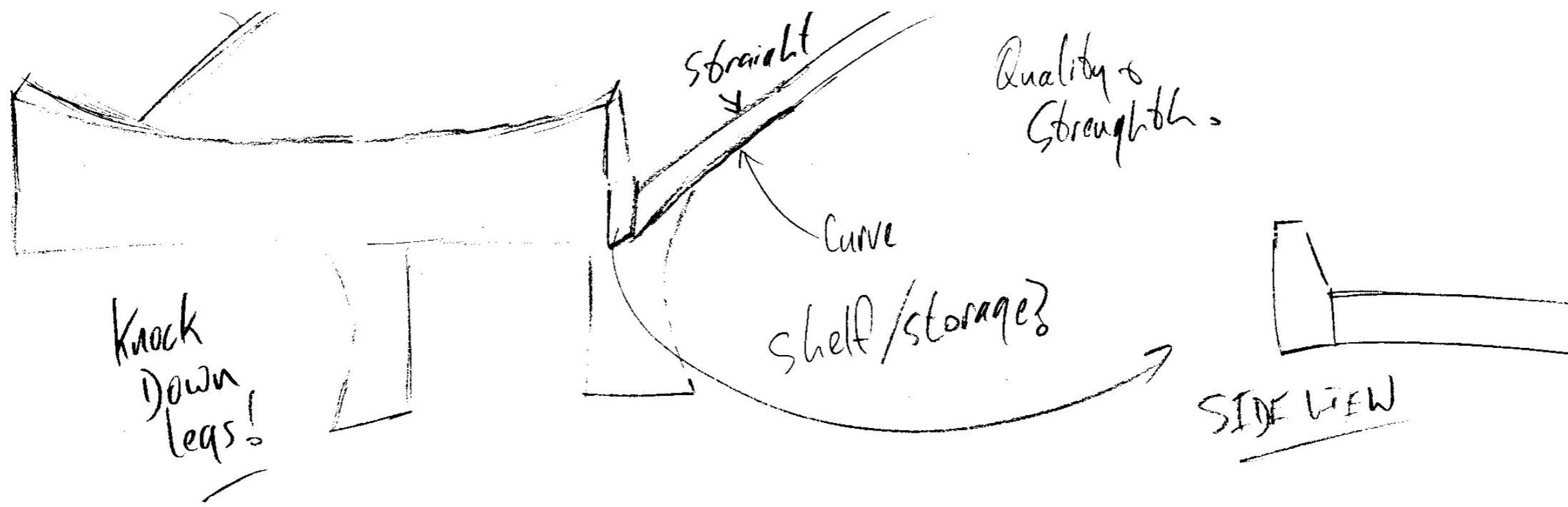
Curved
leg
design??



Curved
edge band?
Yes

Legs Wrong.

- COFFEE TABLE SKETCH -





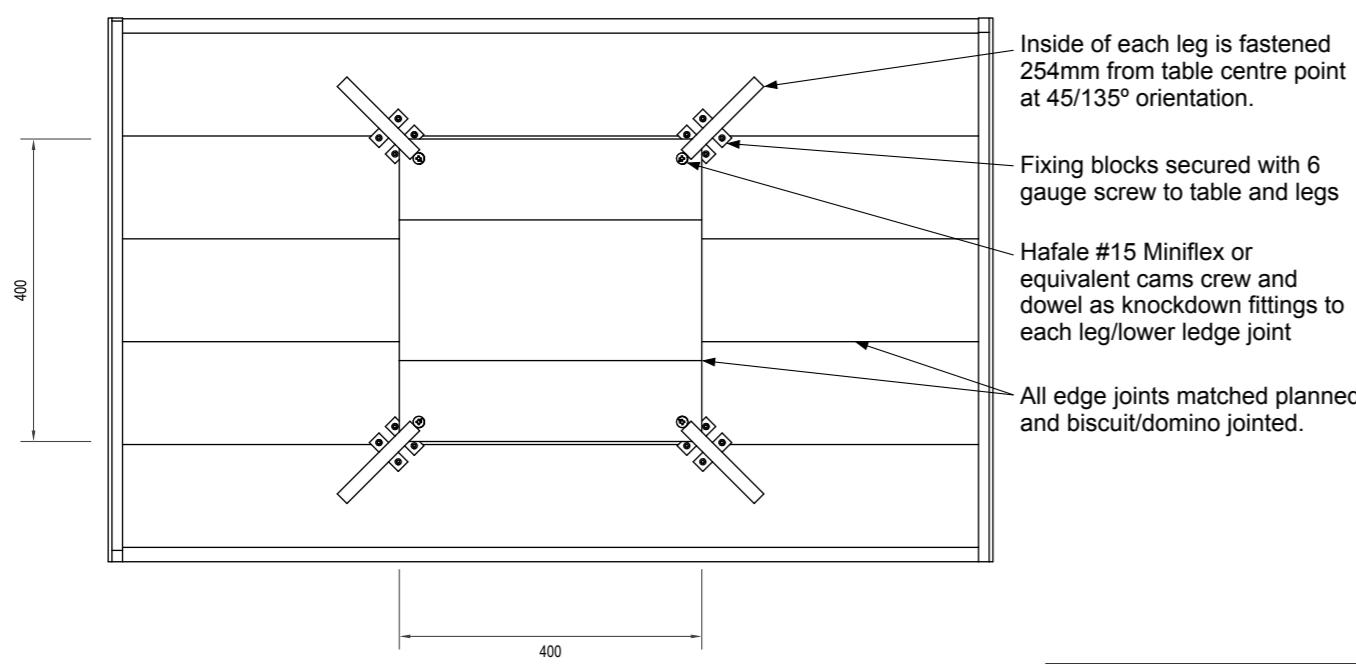
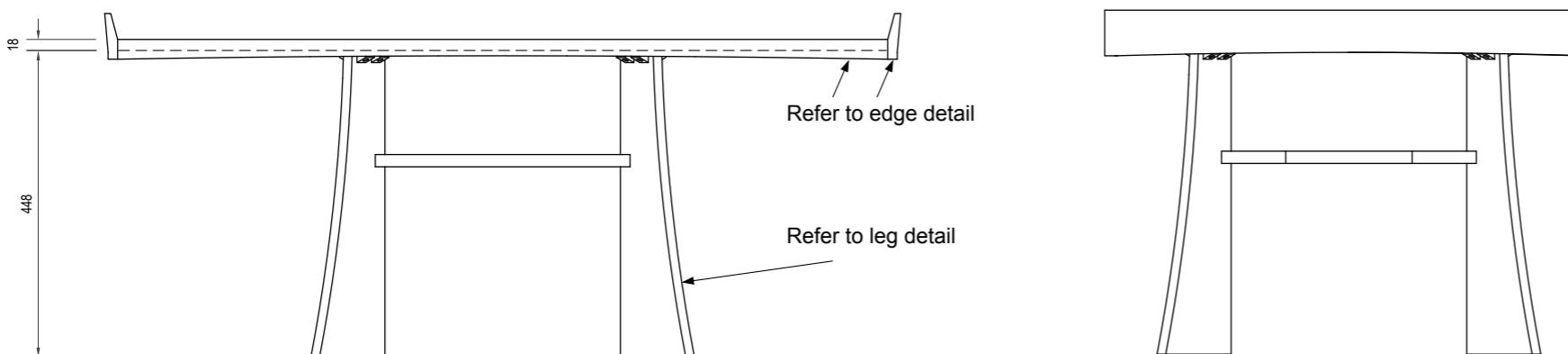
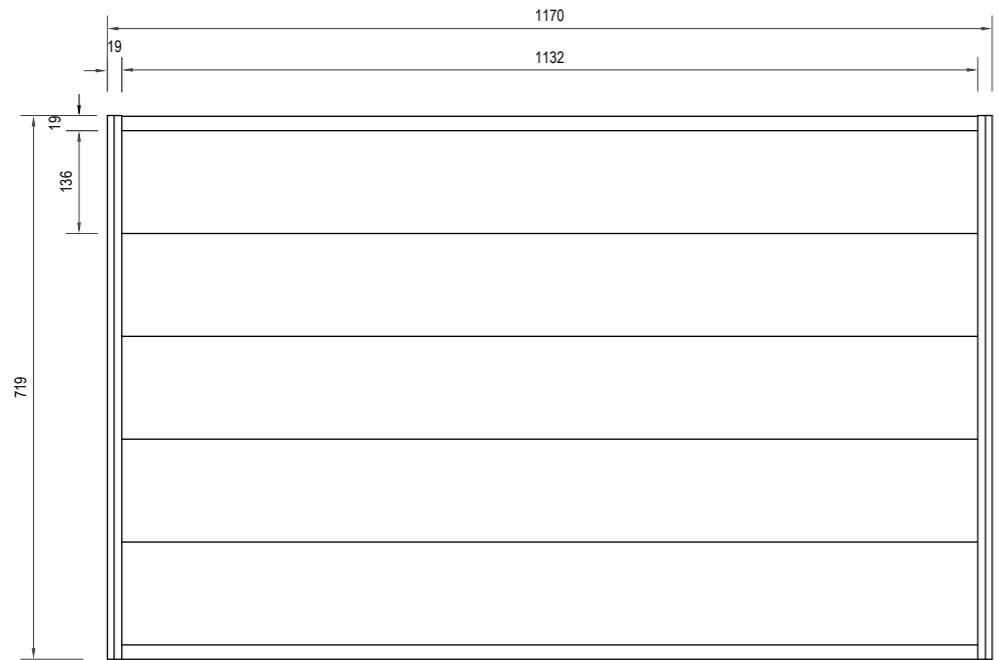
ASIAN TEAK COFFEE TABLE WITH DEMOUNTABLE LEGS

- 3D RENDERED CONCEPTUAL VIEW INDICATING SHADOW -

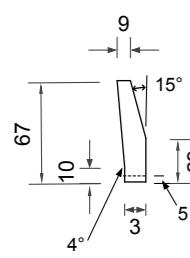
NOTE

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.

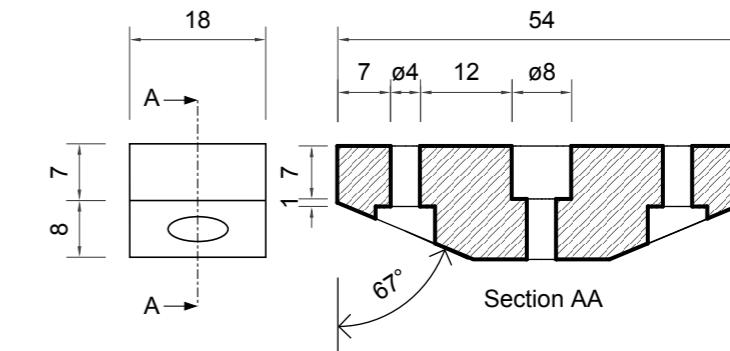
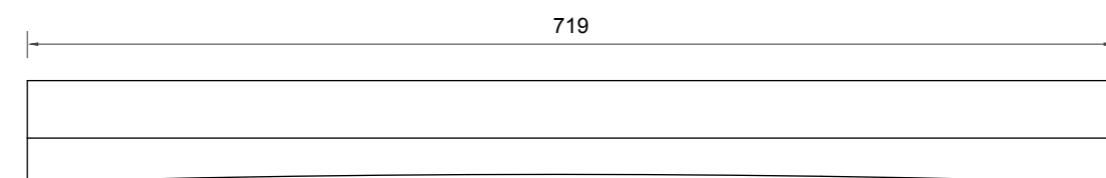
| AS1100 | PAPER | SCALE | DRAWING | PROJECT | DRAWN BY |
|-----------------|-------|-------|---------|--------------|-----------|
| Dimensions (mm) | A3 | 1:5 | 3 of 5 | COFFEE TABLE | Cam Mills |



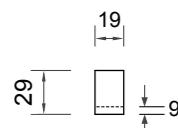
| MATERIAL LIST | | |
|---------------------|------------------------|--------|
| DESC. | MATERIAL MM (LxWxT) | QTY |
| TABLE TOP | 448x136x18 | - TEAK |
| EDGE STRIP (SHORT) | 719x67x19 | - TEAK |
| EDGE STRIP (LONG) | 1132x29x19 | - TEAK |
| LOWER LEDGE | 400x186x18 | - TEAK |
| LOWER LEDGE | 400x107x18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



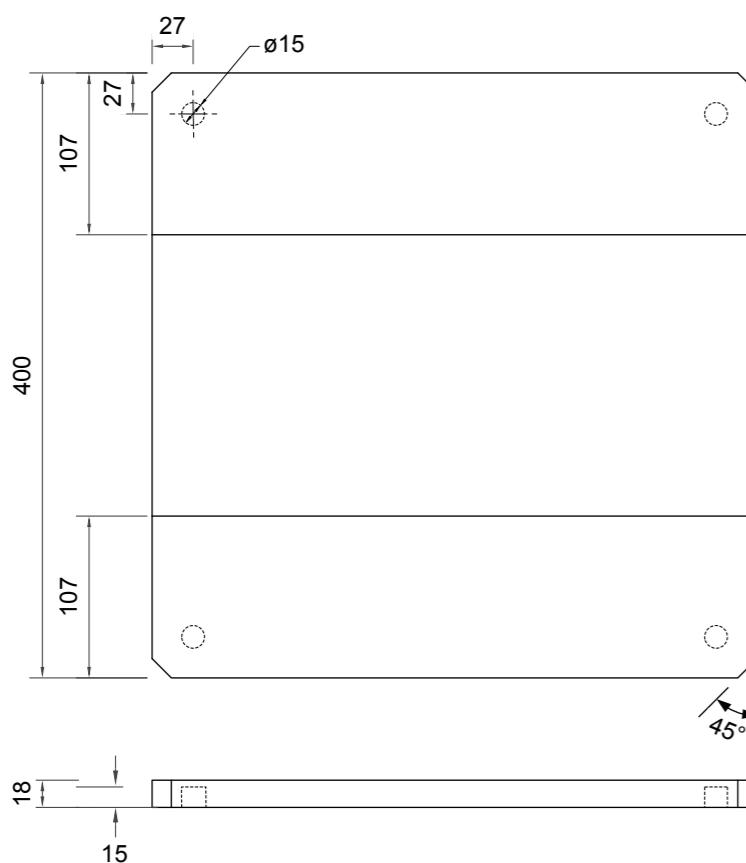
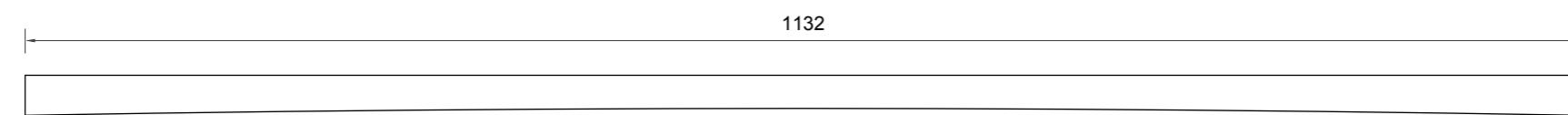
EDGE STRIP (SHORT)



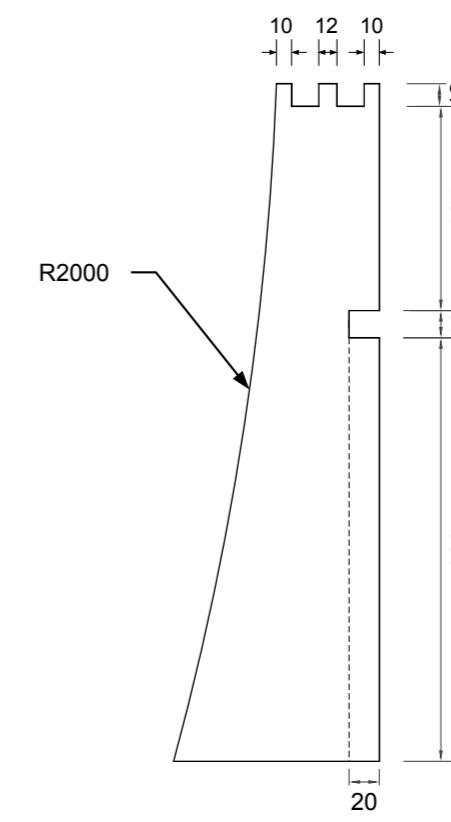
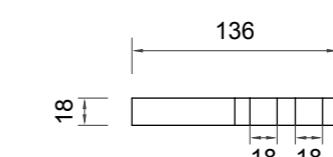
FIXING BLOCK SCALE 1:1



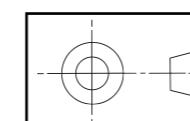
EDGE STRIP (LONG)



LOWER LEDGE



LEG



Dimension

AS1100 PAPER

1

DRAWING
5 of 5

PROJECT

DRAWN

DATE

Sept, 20

