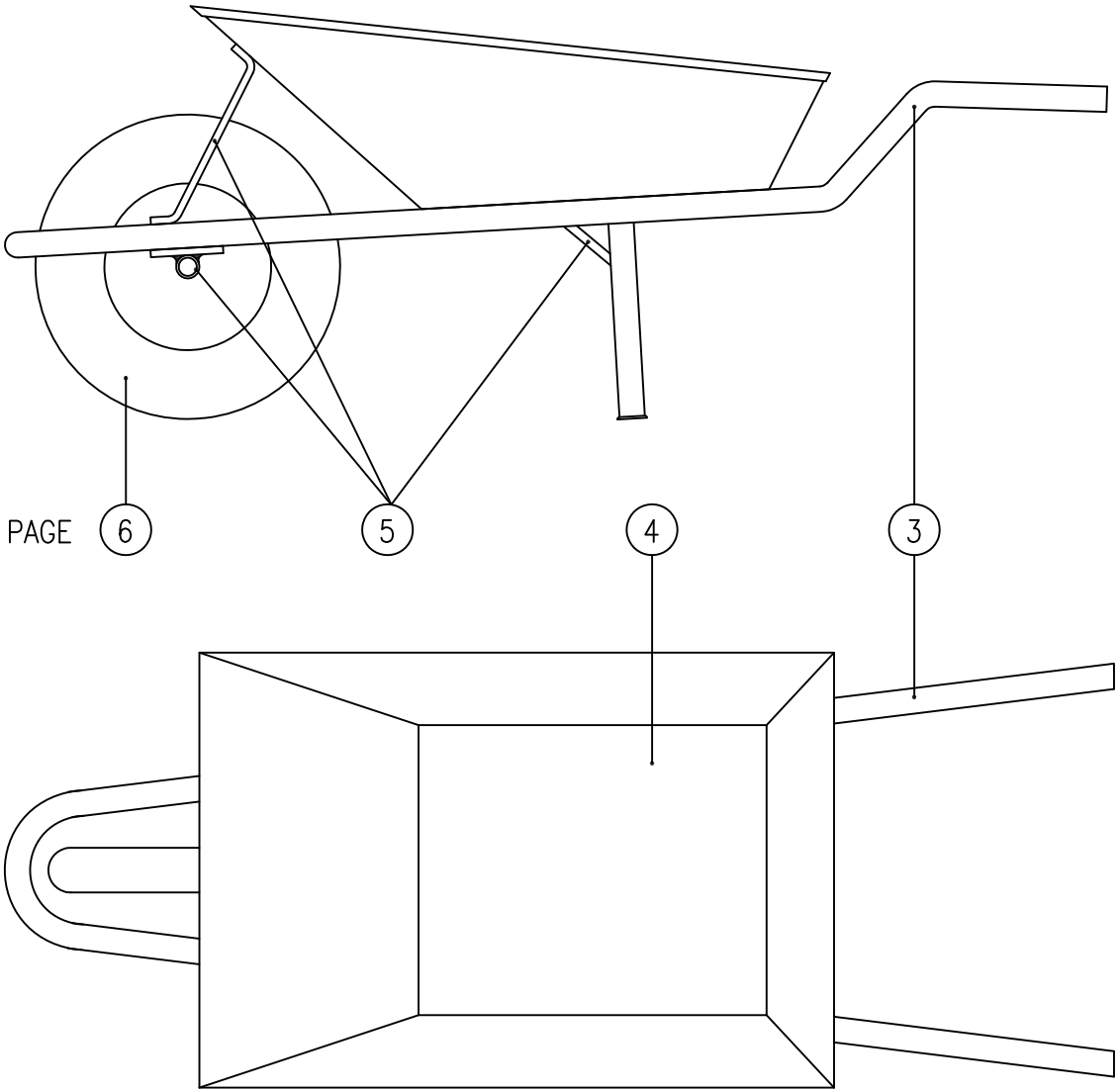

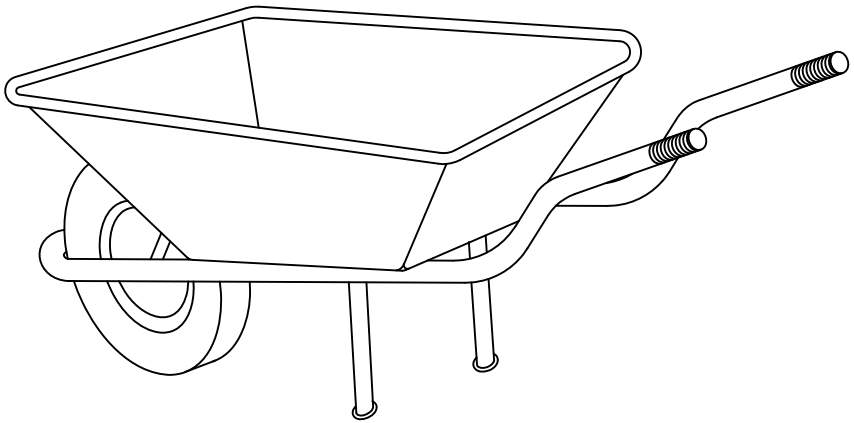

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No.	DESCRIPTION	MATERIAL	QUANTITY
1	CHASSIS	25mm I/DIA. WATER PIPE	4 METRES
2	PAN	MILD STEEL SHEET	1080 x 1000mm x 1mm MIN.
3	EDGE STIFFENER	12 x 3mm MILD STEEL	2960mm
4	FRONT STAYS	25 x 10mm MILD STEEL	540mm
5	LEG SUPPORTS	12 x 12mm MILD STEEL	240mm
6	REAR MTG. BRACKET	25 x 10mm MILD STEEL	360mm
7	FRONT MTG. BRACKET	25 x 10mm MILD STEEL	280mm
8	AXLE BRG. BRACKETS	25 x 10mm MILD STEEL	220mm
		25mm I/DIA. WATER PIPE	100mm
9	WHEEL	AS REQUIRED	

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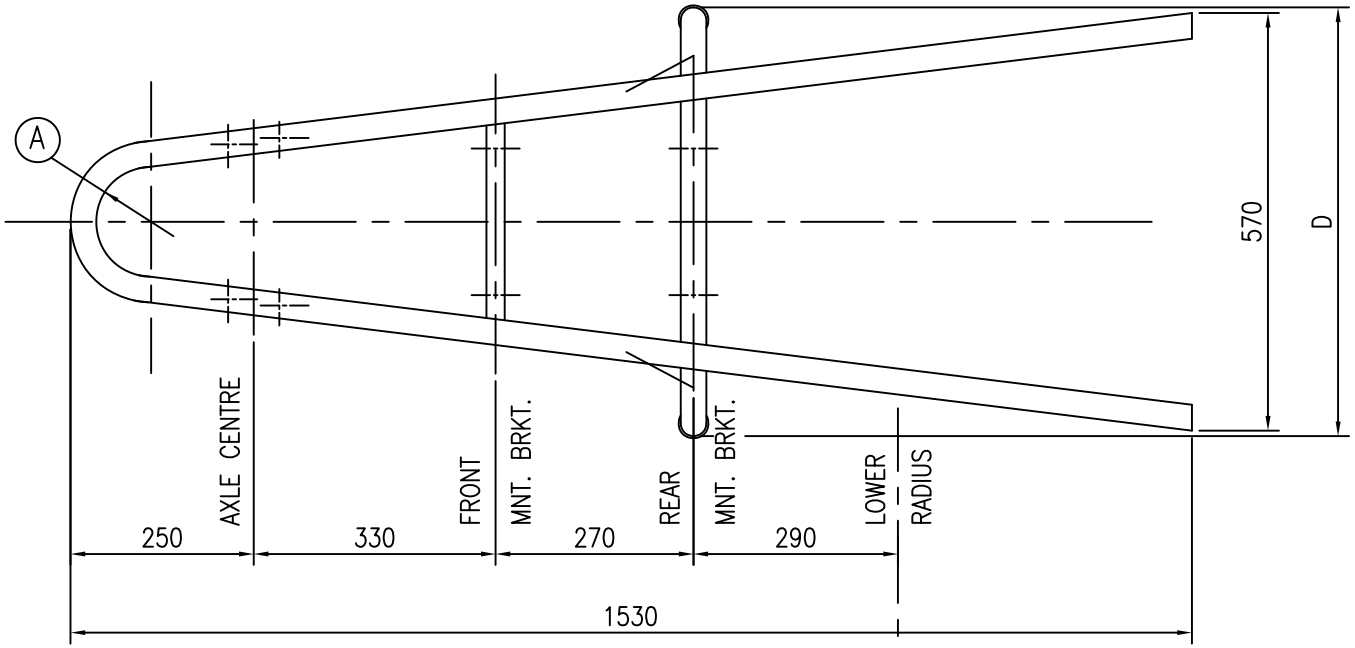


REMARKS

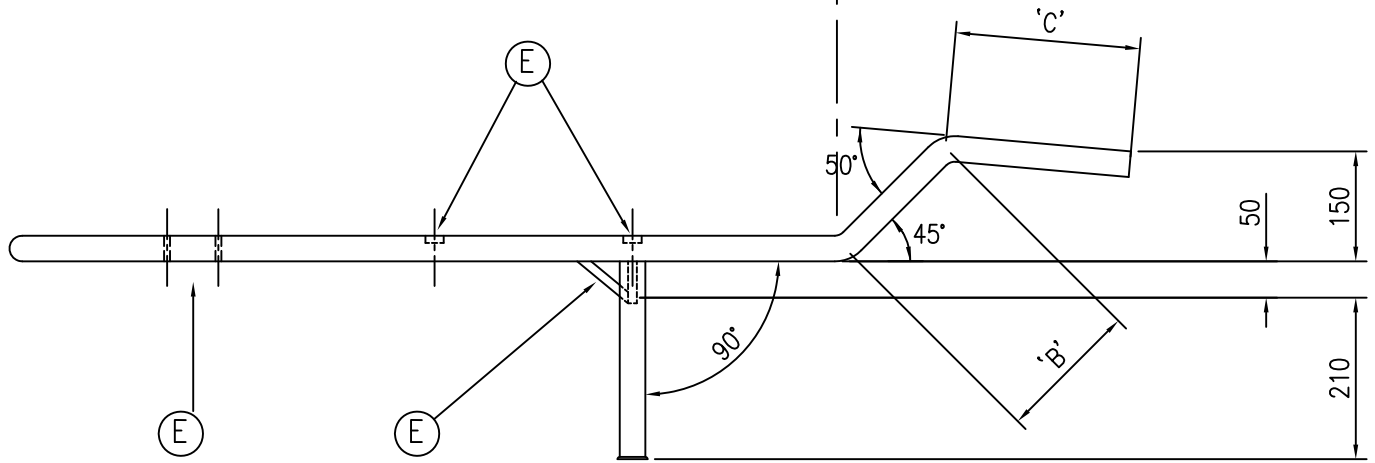
A: THE RADIUS TO THE INSIDE OF THE PIPE = 75mm.

B: THE DISTANCE FROM RADIUS CENTRE TO RADIUS CENTRE = 235mm.

C: THE DISTANCE FROM THE END OF THE TUBE TO THE RADIUS CENTRE = 210mm.

D: THE DISTANCE BETWEEN THE TWO LEG ENDS = 550mm.

E: DIMENSIONS FOR THE AXLE BRACKETS AND THE 4 LEG SUPPORTS CAN BE FOUND ON PAGE 5.



ApT WHEELBARROW	
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FIGURE 1.

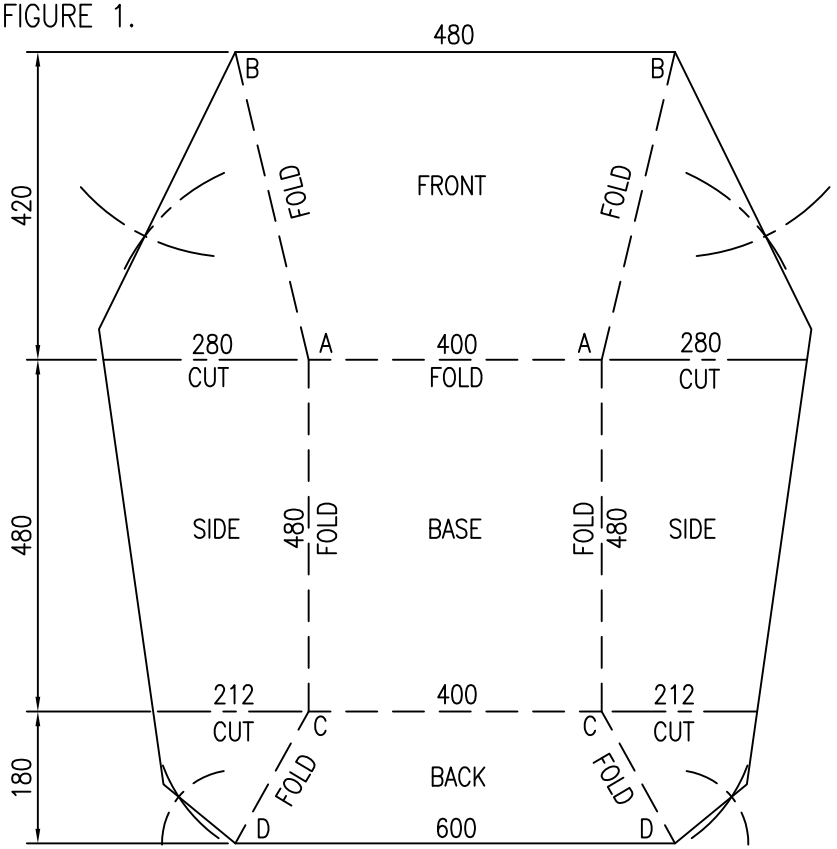
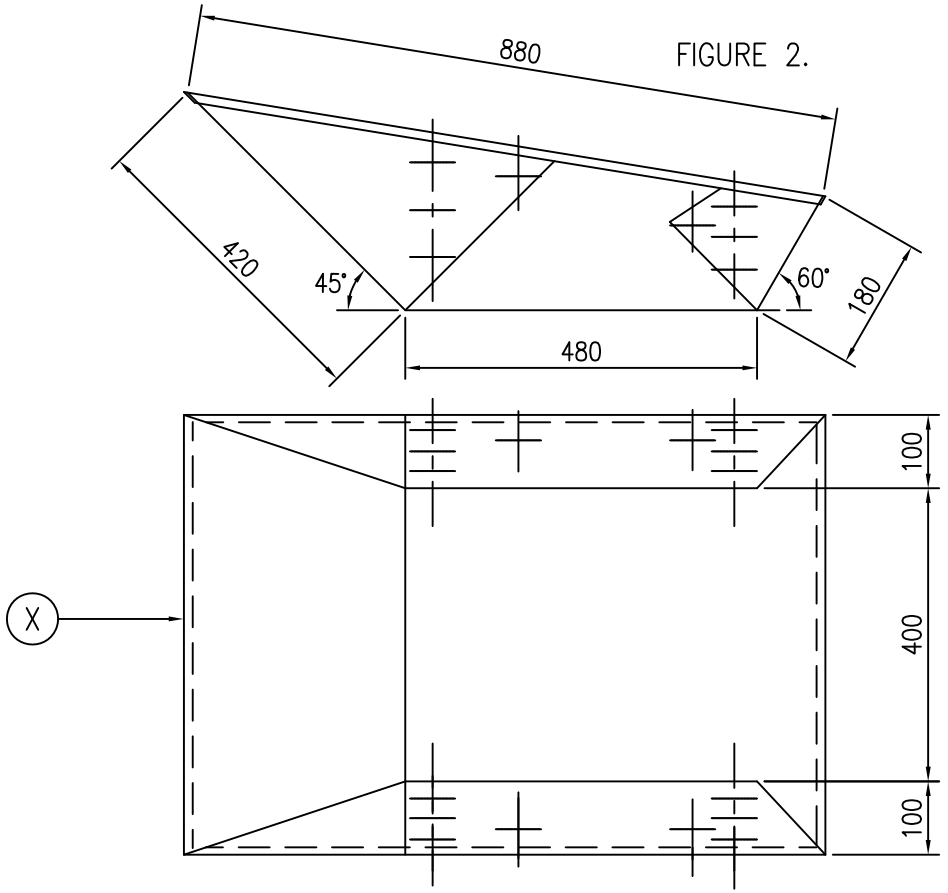


FIGURE 2.



TO CONSTRUCT TEMPLATE FIGURE 1.

1. DRAW BASE, FRONT, SIDE AND BACK PANELS ONTO SHEET, USING MEASUREMENT PROVIDED.

2. CONSTRUCT THE THIRD POINT OF A TRIANGLE WITH A PAIR OF COMPASSES. UTILISE THE POINTS A, B, C, D, & THE DIMENSIONS PROVIDED BELOW:

A TO ARC = 280mm, B TO ARC = 280mm, C TO ARC = 212mm, D TO ARC = 100mm.

3. DRAW LINES FROM POINTS B THROUGH THE CROSS CREATED BY THE ARCS IN 2. ABOVE, TO THE OUTSIDE OF THE TEMPLATE PERIMETER. FOLLOW THE SAME PROCEDURE USING POINTS D.

4. TO COMPLETE THE PERIMETER, EXTEND THE SIDE PANEL TOP EDGES OUTWARD UNTIL THEY INTERSECT THE LINES DRAWN IN 3. ABOVE. THE TEMPLATE IS NOW COMPLETE FOR CUTTING.

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TO DEVELOP TEMPLATE INTO PAN BODY. FIGURES 1 & 2.

1. CUT PERIMETER OF THE TEMPLATE AND CUT PANELS AS DIRECTED IN FIGURE 1.

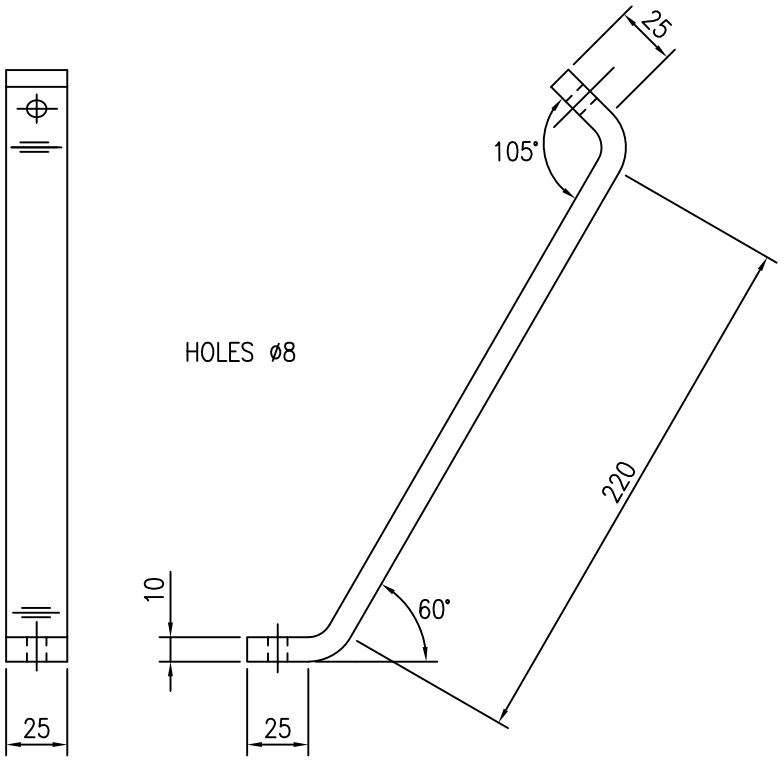
2. FOLD SIDE PANELS UPWARD TO APPROXIMATELY 80°.

3. FOLD THE FLAPS AT THE SIDES OF THE FRONT AND BACK PANELS TO 90°. TIGHT CORNERS ARE NOT NECESSARY.

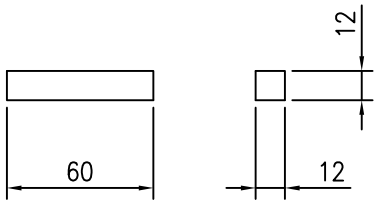
4. FOLD REAR BASE FOLDLINE UP TO 60° ANGLE AND ATTACH THE SIDE FLAPS TO THE SIDE PANELS, WITH RIVETS. REMEMBER TO ALIGN TOP EDGES, AND KEEP FLAPS ON OUTSIDE OF THE PANEL.

5. REPEAT THE PROCEDURE OF 4. ABOVE, WITH THE FRONT PANEL TO A 45° ANGLE. ATTACH WITH RIVETS AGAIN.

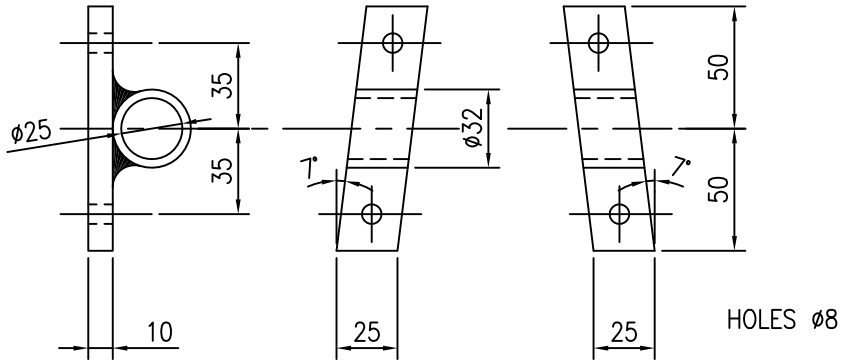
6. FIGURE 2. SHOWS THE COMPLETED PAN. A STIFFENER IS ATTACHED, WITH RIVETS OR WELDS, TO THE TOP EDGE OF THE PAN. THE MATERIAL USED IS 12 x 3mm MILD STEEL.



4 FRONT STAY 2–OFF

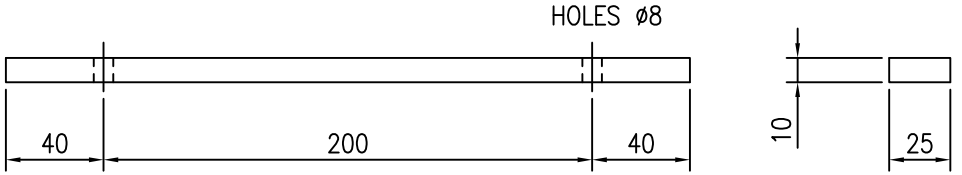


5 LEG SUPPORTS 4–OFF

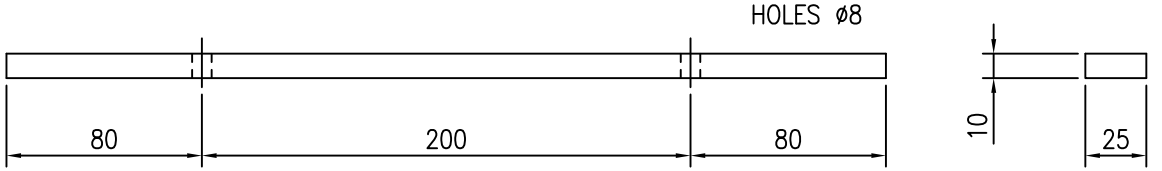


SIDE ELEVATION

8 AXLE BEARING BRACKETS



7 FRONT MOUNTING BRACKET



6 REAR MOUNTING BRACKET

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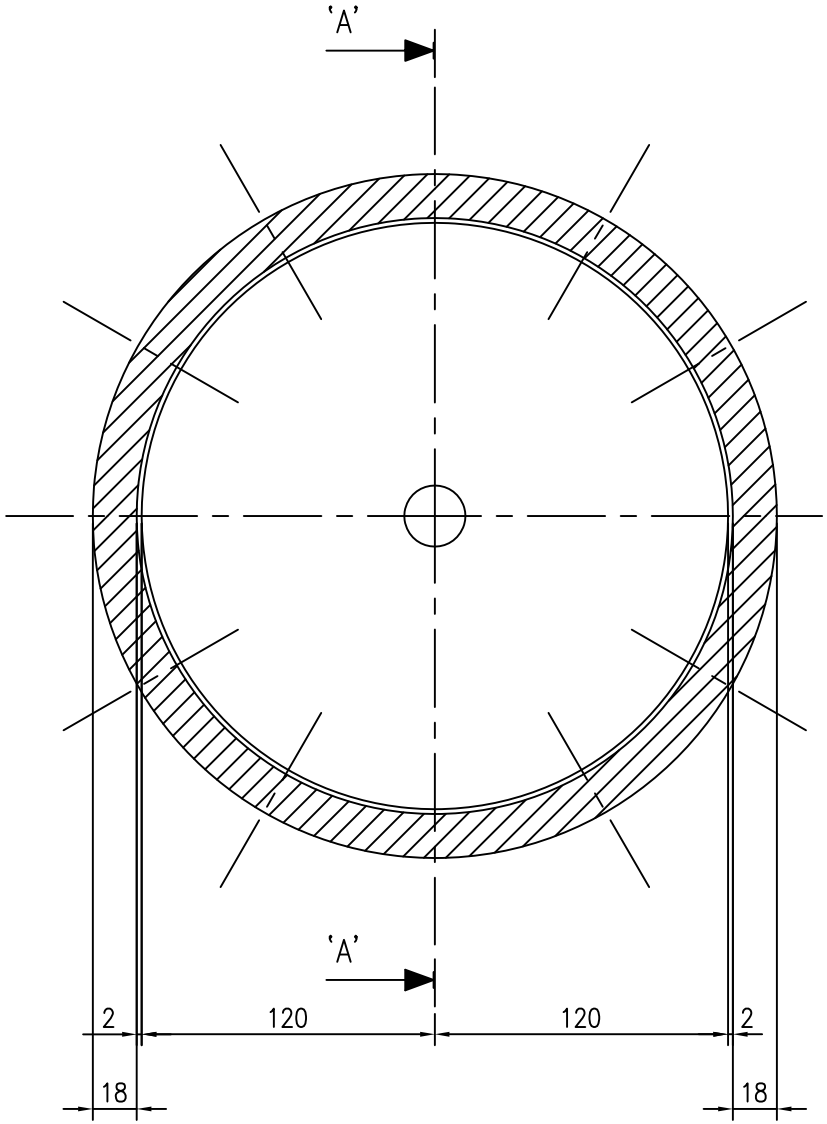
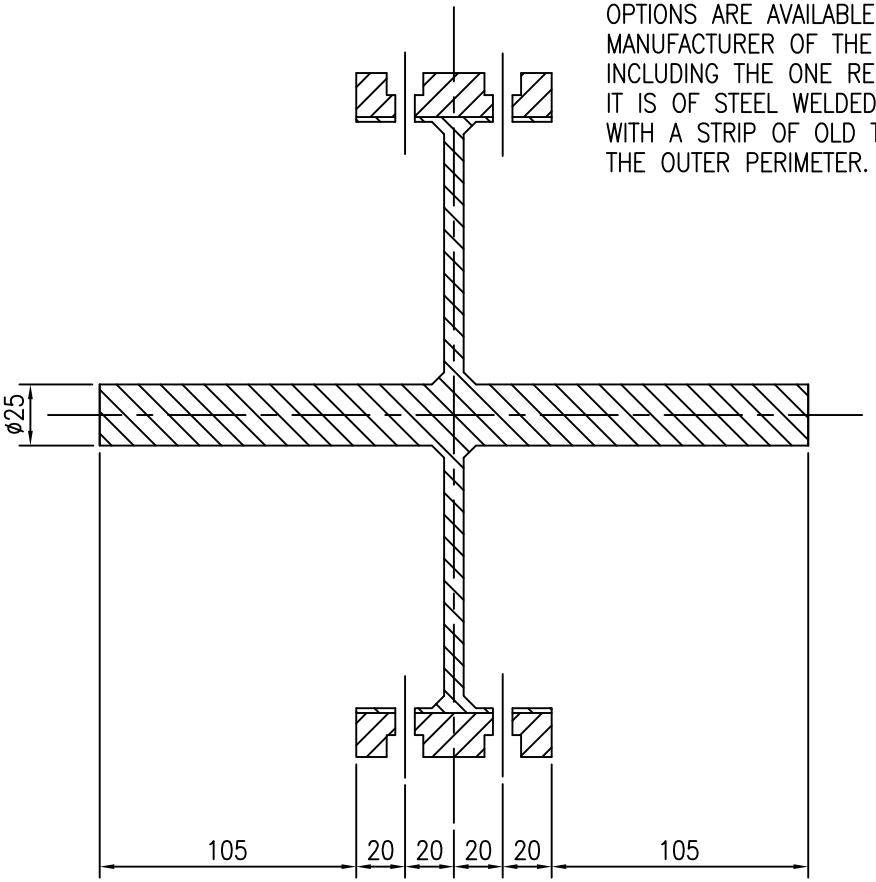


WHEEL DESIGNS

THE TYPE OF WHEEL SHOWN IN THE ASSEMBLY DRAWING IS OF THE COMMERCIAL PNEUMATIC TYRE CONSTRUCTION. MANY OPTIONS ARE AVAILABLE TO THE MANUFACTURER OF THE WHEELBARROW, INCLUDING THE ONE REPRESENTED BELOW. IT IS OF STEEL WELDED CONSTRUCTION WITH A STRIP OF OLD TYRE BOLTED TO THE OUTER PERIMETER.



SECTION A–A

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