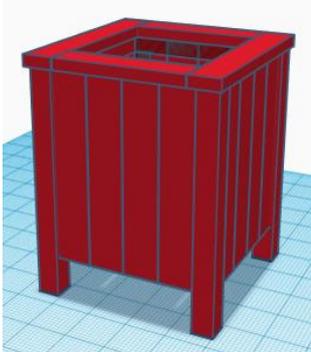


## Eco Furniture Factory - Garden planter



The timber used for this project is reclaimed pallets 90mm x 20mm x 1000mm long and purchased 50mm x 50mm sawn timber.

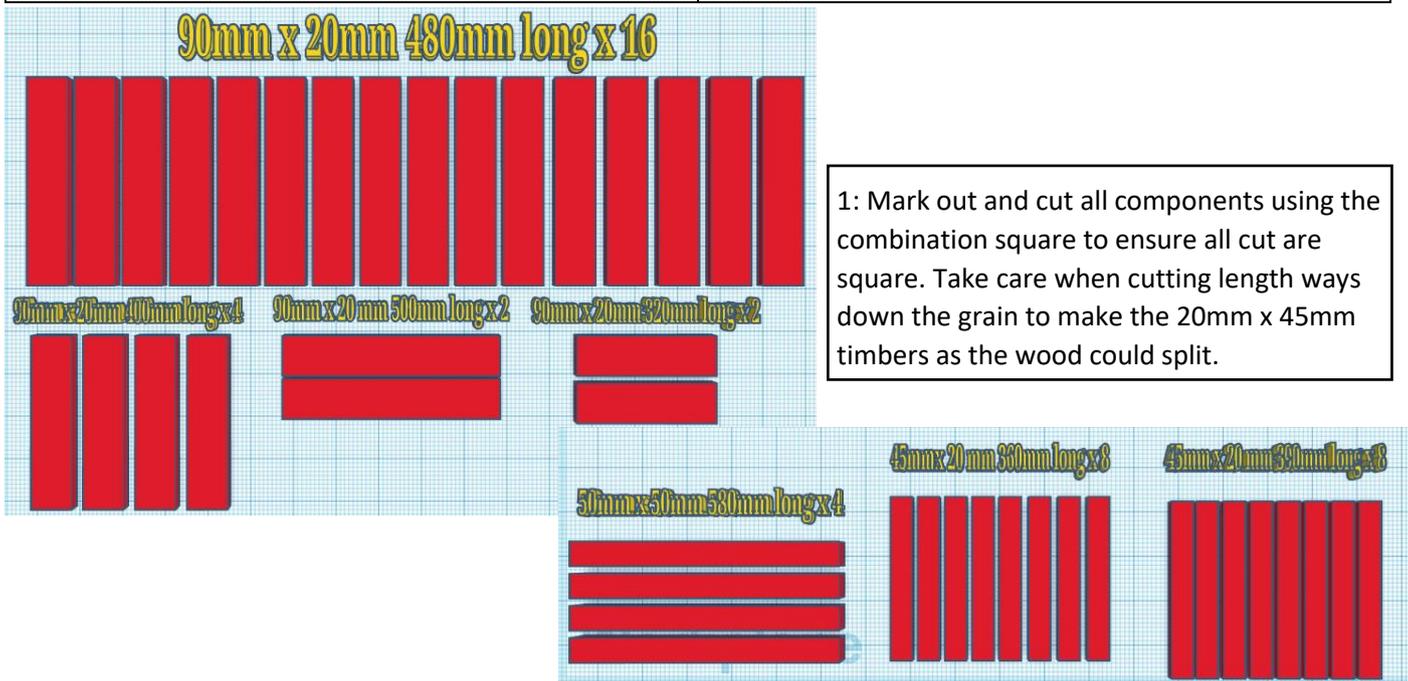
Before starting make sure all nails screws and staples are removed from the wood.

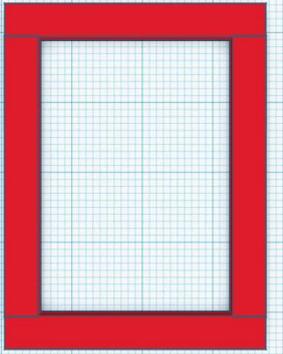
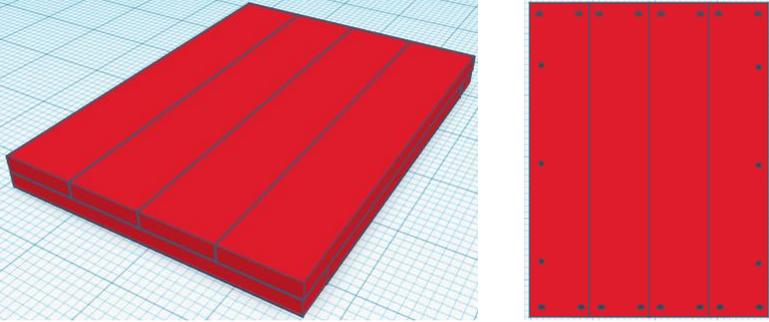
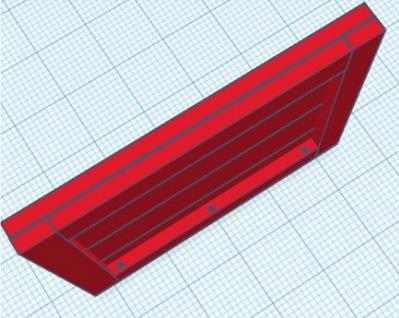
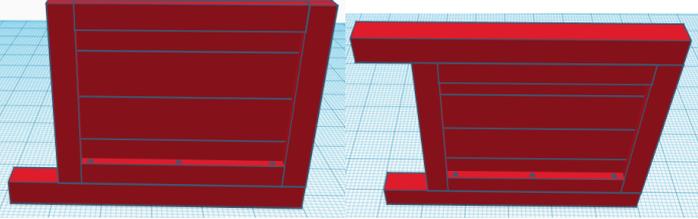
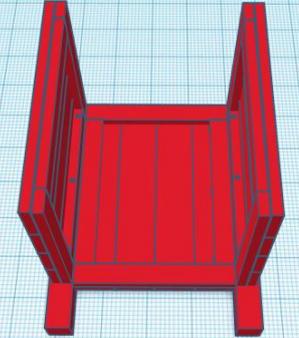
The project needs:

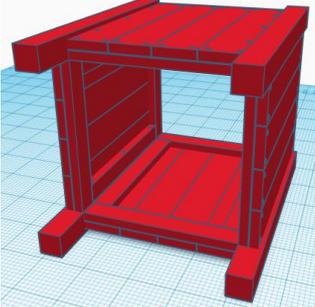
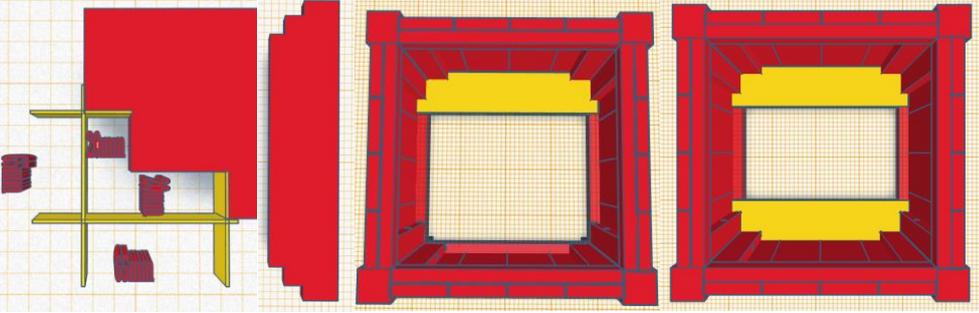
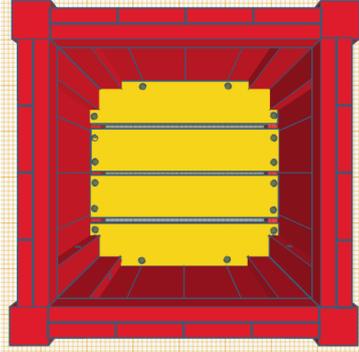
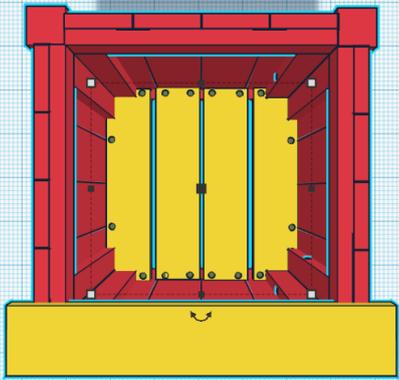
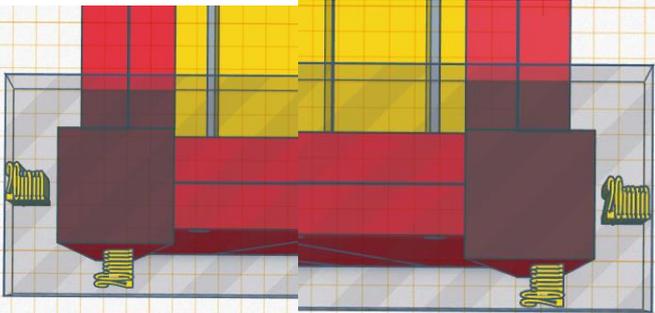
- 16 x 1000mm long pallet boards with no splits or heavy damage.

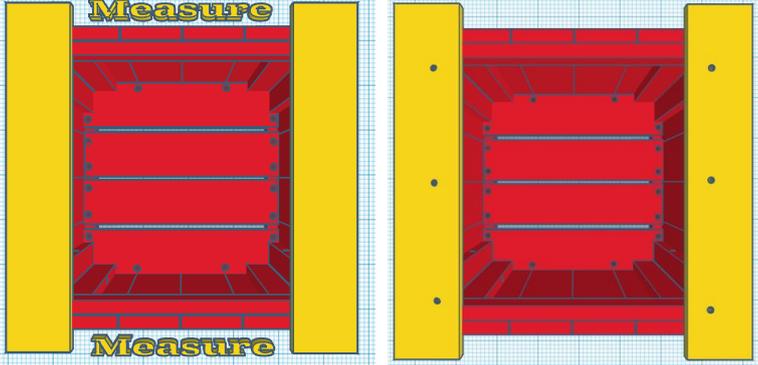
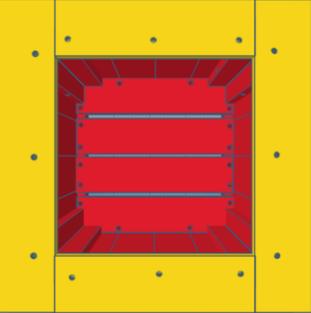
**If you start with 2 standard 1200x1000mm pallets, this will give you enough boards and allow extra if any get damaged when taking pallets apart.**

<b>Cutting List:</b>	<b>Materials &amp; Fixings:</b>
<p><u>90mm x 20mm pallet boards</u> 480mm long x 16 (side panels) 400mm long x 4 (base) 500mm long x 2 (top) 320mm long x 2 (top)</p> <p><u>20mm x 45mm (this is 90mm x 20mm cut down the centre line)</u> 390mm long x 8 (internal panel support side) 360mm long x 8 (internal panel support top and bottom)</p> <p><u>50mm x 50mm sawn timber 2.4m long (this is the purchased timber)</u> 580mm long x 4 (legs)</p>	<p><b>30mm 3.5mm pozidrive wood screws</b> (approximately 24 required) <b>60mm 4mm pozidrive wood screws</b> (approximately 102 required) Fence or rough timber paint Plastic liner (the empty compost bags are perfect for this)</p>
	<b>Tools:</b>
	<p>Pencil Tape measure Combination square Hand saw Drill 3mm drill bit and counter sink bit N° 2 pozidrive screwdriver Stapler and staples (for fixing liner) Workbench or flat surface 120 grit sand paper (for cleaning up cut edges)</p>

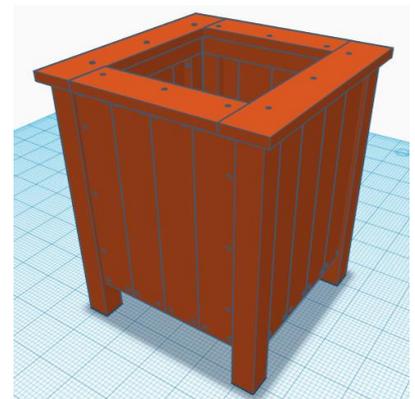


2	<p>Lay 2 of the 20mm x 45mm 390mm and 2 of the 20mm x 45mm 360mm on a flat surface so they make a 360mm x 480mm square.</p>		
3	<p>Lay 4 of the 20mm x 90mm 480mm timbers on top then drill counter sink and screw them to the 20mm x 45mm timber ensuring all edges are level. Repeat x 4 to form all four side panels.</p>		
4	<p>Turn each panel on its side and then drill and counter sink the 390mm timber.</p> <p>Repeat this on both sides of all panels.</p>		
5	<p>Take 2 leg components and using the 60mm screws fix them to either side of one panel. Line the back edge of the panel to the back edge of the leg to form a 10mm step on the face side</p> <p>(Repeat x2)</p>		
6	<p>Lay this component face down on a flat surface. Using the 60mm screws, fix a panel to each leg.</p>		

<p>7 Lay the second complete side panel face down on a flat surface then place the 3 sided planter on top and fix together using 60mm screws.</p>	
<p>8 Take one of the 90mm x 20mm 400mm long base sections and mark the 20mm x 65mm on both ends and cut out so that it fits tightly to the panel side drill counter sink and screw to the 20mm x 45 mm below with 30mm screws.  (Repeat x2 )</p>	
	
<p>9 Take the remaining 90mm x 20mm 400mm long base sections and fix them into the planter leaving approximately a 13.5mm between each board (this is for drainage).</p>	
<p>10 Place the 90mm x 20mm 500mm long on top and check for a 20mm over hang on the front and sides of the 50mm legs.</p>	
	

11	Repeat this on the opposite side then measure between to check the gap is the correct size for the 90mm x 20mm 320mm long sections. Drill, counter sink and fix in place using 30mm screws	
12	Finally take the 90mm x20mm 320mm long sections and fit them into position between making sure the outside edges line up then drill countersink and fix into place.	

The planter is now complete and ready for sanding to remove any pencil marks and painting.



The planter will need to be lined before it is filled with soil or compost to protect the timber from rotting. The best way to do this to keep waste down, is to use the bag that the soil or compost is supplied in.

Once you have lined the planter, pierce small holes into the bottom of the bag for drainage, place some pebbles or rubble in the bottom then fill with soil or compost, perfect for your flowers!