



**Agricultural Mechanics 1  
Wood Working Projects**

**Planter Box**

**Bill of Materials:**

- 1- 1" X 12" X 44" Redwood
- 18- #8 Screws 1 1/2 "
- Wood Glue
- Varnish

**Procedures:**

**Measurements and Cutting:**

1. Obtain a piece of redwood, 1" X 12" X 44", and layout design.

A.	B.			
C.	D.	E.		

- A. Side piece #1, 5 1/2" X 22"
- B. Side Piece #2, 5 1/2" X 22"
- C. Bottom Piece, 5 1/2" X 22"
- D. End Piece #1, 5 1/2" X 4 7/8"
- E. End Piece #2, 5 1/2" X 4 7/8"
- F. Legs and Scrap

2. Adjust table saw rip fence so that it measures 5 1/2" from the fence to the inside of the saw blade.
3. Rip the 1" X 12"
4. On the side that measures 5 1/2", measure and mark it at 22", Using the Radial arm saw cut the board in two.
5. On the other piece of wood, make sure that it is 5 1/2" wide, if not use the planer to shave off the excess wood. ( Make sure that you use a test piece of wood on the planer before you plane your piece of redwood).
6. Mark out 22" on this piece and cut it with the radial arm saw.
7. Mark out 4 7/8" on your piece of wood leftover and cut it with the radial arm saw.
8. Mark out 4 7/8" on your piece of wood leftover and cut it with the radial arm saw.

2. On the other side measure in 6" and 1 3/4" from the side and mark it, do the same from the opposite end. Now, you have two marks on one side and three marks on the other side.
3. Using the drill with the \_\_\_\_\_, drill your drainage holes.

**Finishing:**

1. Sand your project down, to a nice smooth finish.
2. Stain or paint your project.
3. Turn your project in to Mr. Mederos. Turn in the project and the grading sheet.

<u>Criteria</u>	<u>Points Possible</u>	<u>Points Earned</u>
1. Grade Sheet & Planter Box	10	
2. Project cutout	25	
3. Care of Wood (No nicks, dents, or gouges)	15	
4. Project Finish	15	
5. Were the directions followed?	20	
6. Overall neatness of the project	15	
<b>Total:</b>		<b>100</b>

