

# PLANTATION SHUTTER CUT SHEET

Reference: **JOHN DOE**

**LOCATION** **LIVING ROOM**

## AREA DIMENSIONS

Length **60** inches  
 Width **36** inches

## PANELS

Number of Panels **2**  
 Louver Size **2 1/2** inches  
 Total Louvers each panel **25**

## RAIL DIMENSIONS

Width (*see fig. 3*) 14 10/16 inches  
 Height **5** inches

Distance between louvers 2 inches

Note: If using mortis and tennon joinery, you must add width of tennons to the calculated width

## STILE DIMENSIONS

Width **1 12/16** inches  
 Length 60 inches  
 Start Point for Pin Hole 6

## LOUVER DIMENSIONS

Width 14 9/16 inches

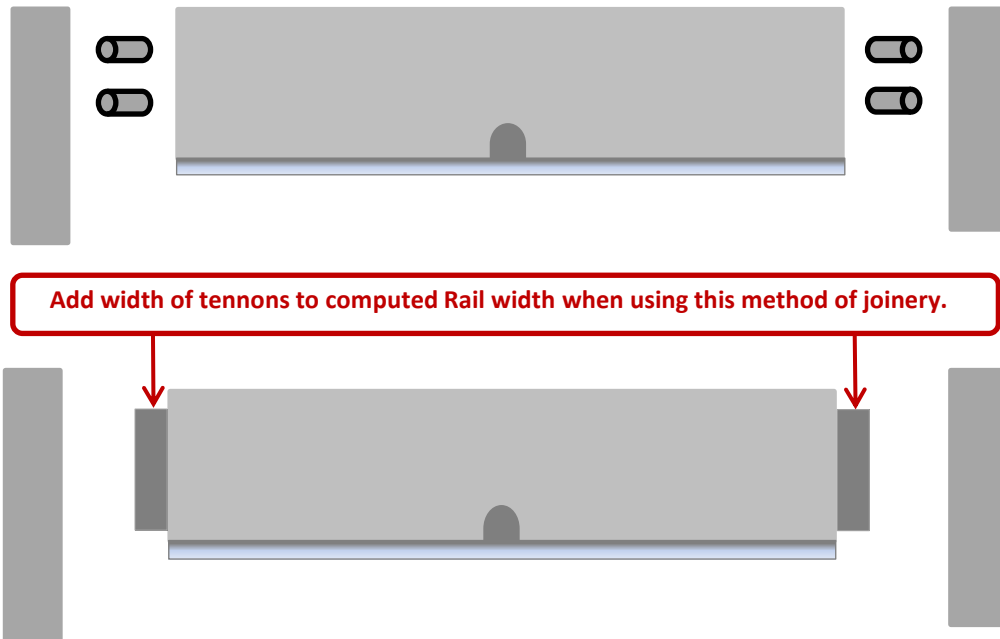
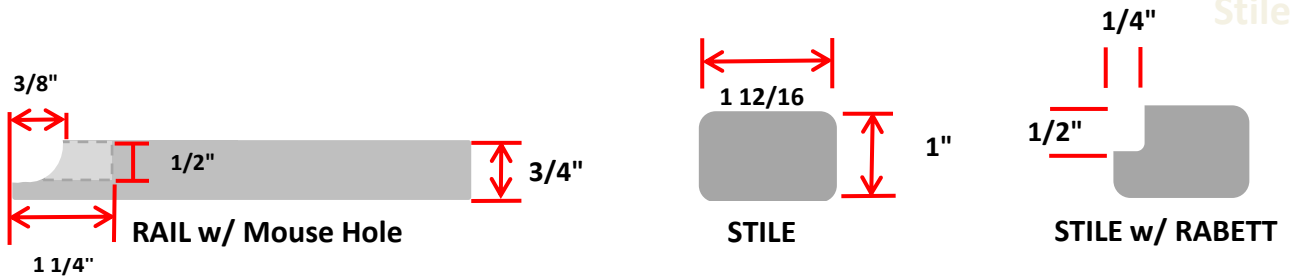
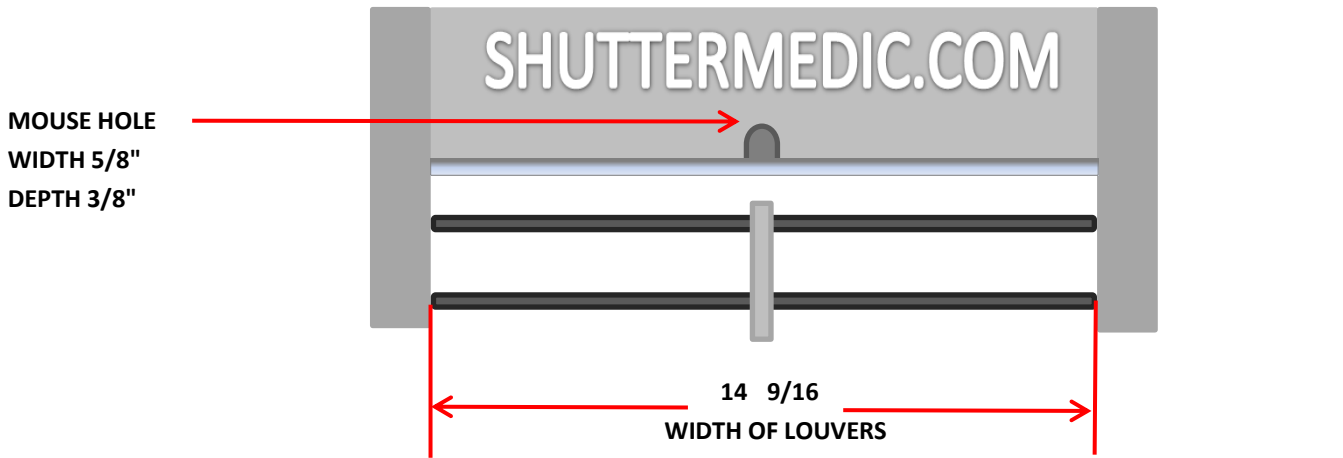
## TILT ROD LENGTH

Length 49 inches

## PROJECT

	QTY	LENGTH	LINEAR FEET
Louvers	50	14 9/16	60.68
Stiles (with Rabbet)	2	60	10.00
Stiles (without Rabbet)	2	60	10.00
Rails	4	14 5/8	4.88
Tilt Rod	2	49	8.17
Nylon Louver Pins	100		
Tilt Rod - Louver Eyelets	50		
Hinges	6		

**Order Parts & Hardware**



**RAIL WIDTH**

**The Rail width calculated by this program is the distance between the two Stiles .** If, for instance, your joinery between the Rail and Stile consists of dowels, then the width calculated by this program would apply. If, however, your joinery technique is mortise and tennon, you must add the distance of each tennon to the Rail width value calculated by this program (See figure 3).---

Panel Qty: 2  
 Length: 60  
 Width: 18 2/16

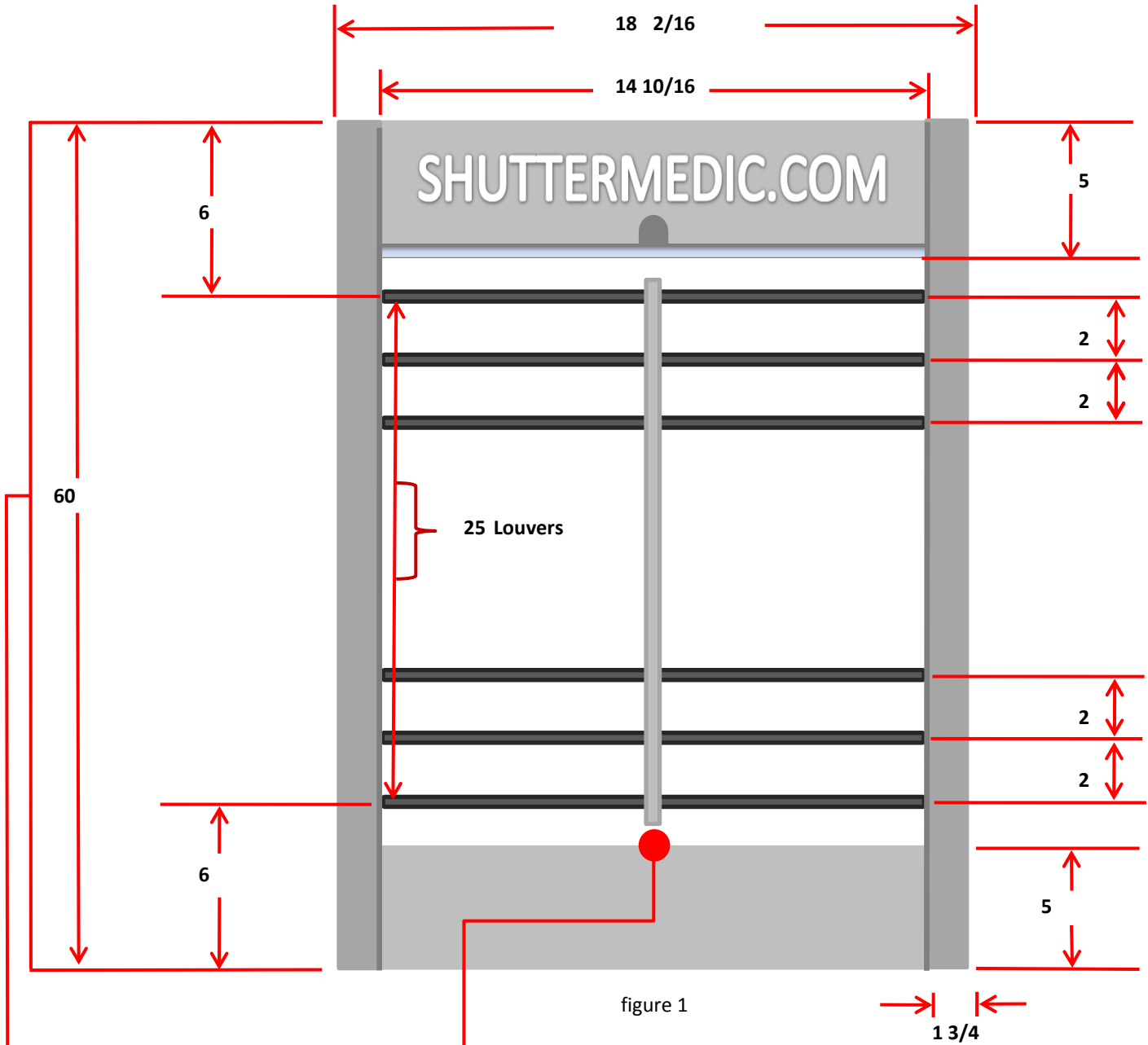
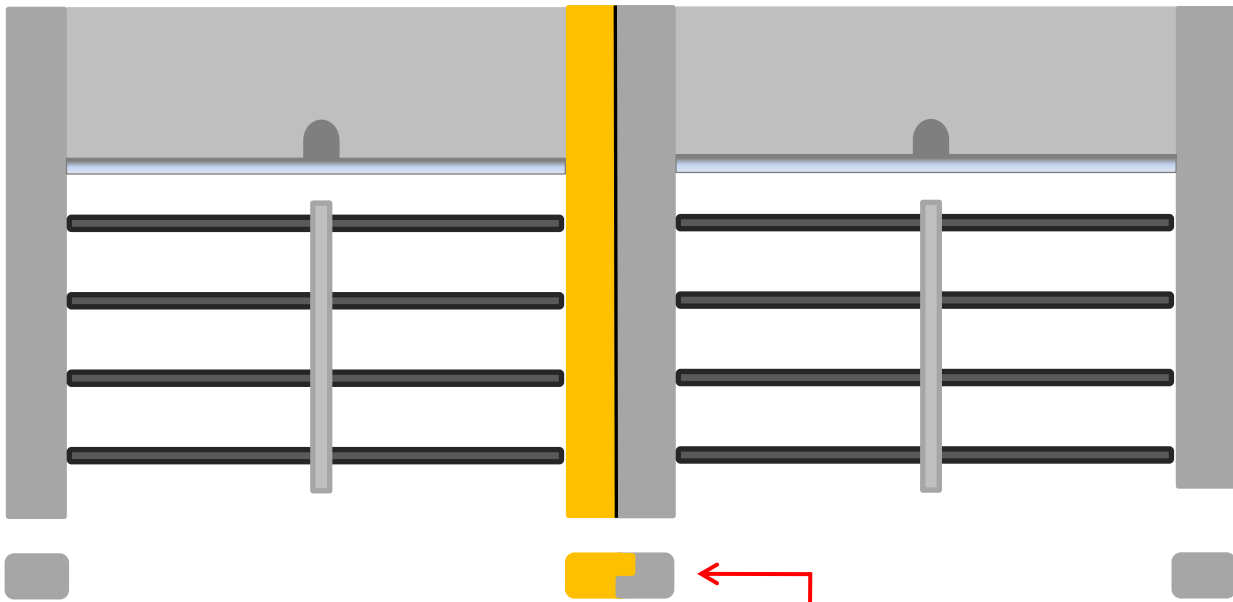


figure 1

TILT ROD LENGTH: 49 INCHES  
 ATTACH LOUVERS TO TILT ROD 2 INCHES ON CENTER.  
 ATTACH FIRST LOUVER 6/16 INCH ON CENTER FROM TOP TILT ROD.  
 MOUSE HOLE DIMENSIONS: LENGTH 3/4", WIDTH 5/8", DEPTH 3/8"

TOTAL LOUVERS EACH PANEL: 25



**NOTE:**

Use stiles with rabbet where two or more panels abut.  
Drill holes in stile for louver pins using 1/4" diameter bit.  
Drill holes in louvers for louver pins using 5/32" diameter drill bit.

**REMARKS:**

**SHUTTER TENSION**

Decide on which method you will use to maintain tension in the panel. This is necessary because the weight of the tilt rod will have a tendency to want to drag the louvers down.

One method is to use *tension screws* [see diagram here](#). We recommend you place tension screws on the second louver from the top and second louver from the bottom. For tall panels you may want to consider adding another towards the center of the panel. Consider your shutter hardware when selecting tension screw location. You do not want to cover your recessed tension screw with a shutter hinge. A simple drywall screw can be utilized in this application.

Another method is to use *tension springs* [see diagram here](#). These springs are placed in the stile louver pin hole(s) behind the nylon louver pin(s) on one side. The holes in the stile should be drilled to a depth of 15/16 inches in order to accommodate the nylon pin and the spring behind it. When the panel is assembled, the spring(s) are compressed allowing them to push the louver(s) into the adjacent stile. This added tension in the panel will prevent the tilt bar from dragging the louvers down. Generally the springs are located on the second louver from the top, and the second louver from the bottom. Additional springs may be necessary depending on the size of panel, dimensions of tilt rod, and number of louvers.