

## SmartLine Finish Line Timer

### Highboy Plans

The Highboy raises the displays **30** inches high.

#### Supplies

- 1"x3" wood of good quality or  $\frac{3}{4}$ " plywood (Plywood is preferred).  
The amount required depends on the width of the timer and whether you buy sheets of plywood or 1"x3" pieces of wood.  
An estimate for a 4-lane timer is one  $\frac{1}{4}$  sheet of plywood (2 feet x 4 feet) or a 10-foot length of 1"x3" wood.  
You will need to measure the timer to determine the amount you need if you change the height or width.
- $\frac{1}{4}$ " plywood  
The amount required depends on the width of the timer.  
An estimate for a 4-lane timer is one  $\frac{1}{4}$  sheet of plywood (2 feet x 4 feet).
- 20 Phillips flathead wood screws
- Sand paper and Paint for finishing

#### Building Procedure

1. If you are using a  $\frac{3}{4}$ " plywood sheet, cut it into 2"-3" by 48" pieces. From these 48" lengths you can cut one 30" and one 17" length.
2. Cut two pieces of the 1"x3" into **30**-inch lengths. These will be used for the left and right vertical pieces.
3. Cut two pieces of the 1"x3" for the Bottom Horizontal and Horizontal Above Displays that are the width of the timer.  
We used **17**-inch lengths for our 4-lane timer. If your timer is longer than 18" and you used the plywood sheet, you would have to use another 48" strip.
4. Cut one piece of the 1"x3" that is 1.5 inches less than the width of the timer. The measurement for our Horizontal Below Displays is **15.5**".
5. Cut two pieces that are **4.25**" long for the Left and Right Display Mount pieces.
6. Cut a 1"x1" notch in the Right Display Mount. (Right side looking at front.) For steps 1-6 refer to Figure 1.

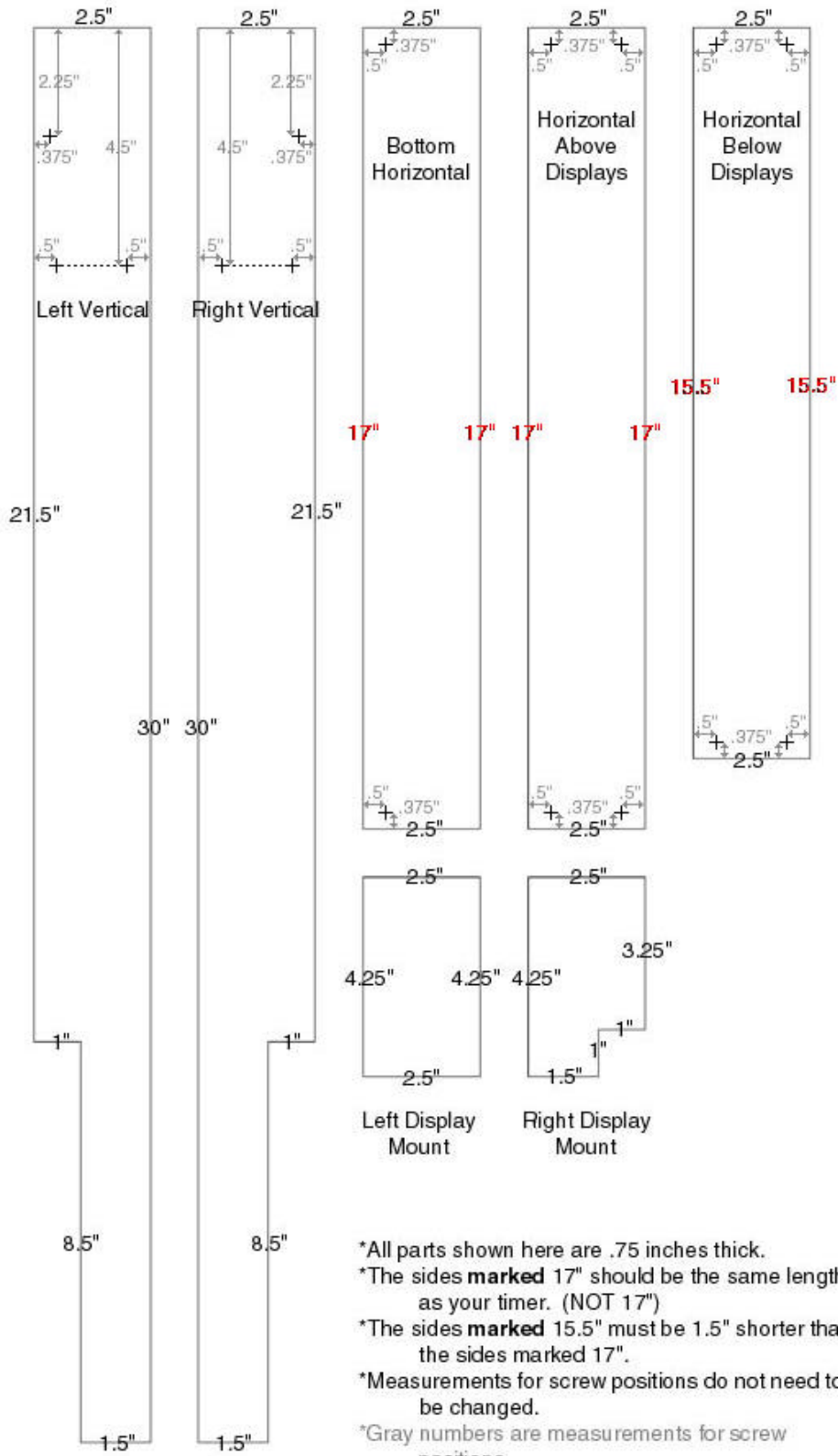
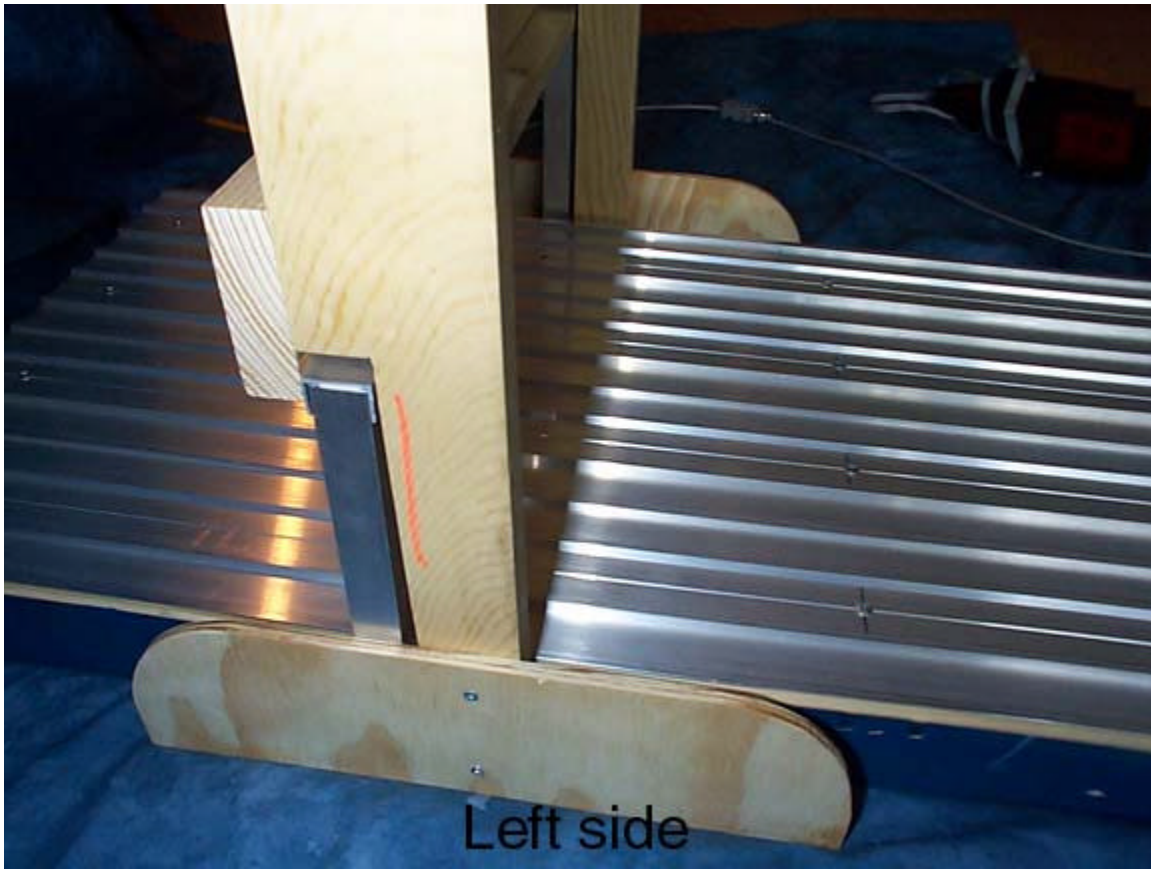


Figure 1



The lengths of the vertical 1"x3" pieces only need to be the same as each other. On the highboy shown, the vertical pieces are 30 inches long. A corner is cut out of the back edge of the vertical pieces for the timer. The cut is 8.5 inches by 1 inch. The Bottom Horizontal piece is attached so that there is a  $\frac{3}{4}$  overhang used as an extra support for the timer.

7. Cut two pieces that are 4.5" long by 3.5" wide for the Left and Right Foot pieces. Curve the top of each foot.
8. Cut a .5" notch in the Right Foot for the communication cable.
9. Cut one piece that is **1.75" less than the length of the finish line** (ours is **15.25"**) long by 3.25" wide for the Display Mount.
10. Cut a 1"x1" notch in the corner of the Display Mount.
11. Cut one piece that is the **length of the finish line** (ours is **17"**) long by 6" wide for the Back Cover.
12. Cut a 1" x 1.75" notch that is .75" in from the edge of the Back Cover. For steps 7-12 refer to Figure 2.
13. Assemble the Highboy as shown using Phillips flathead wood screws.

14. The Left and Right display mounts are placed between the Back Cover and the Display Mount. They are screwed in place on the side, 2.25" down from the top.

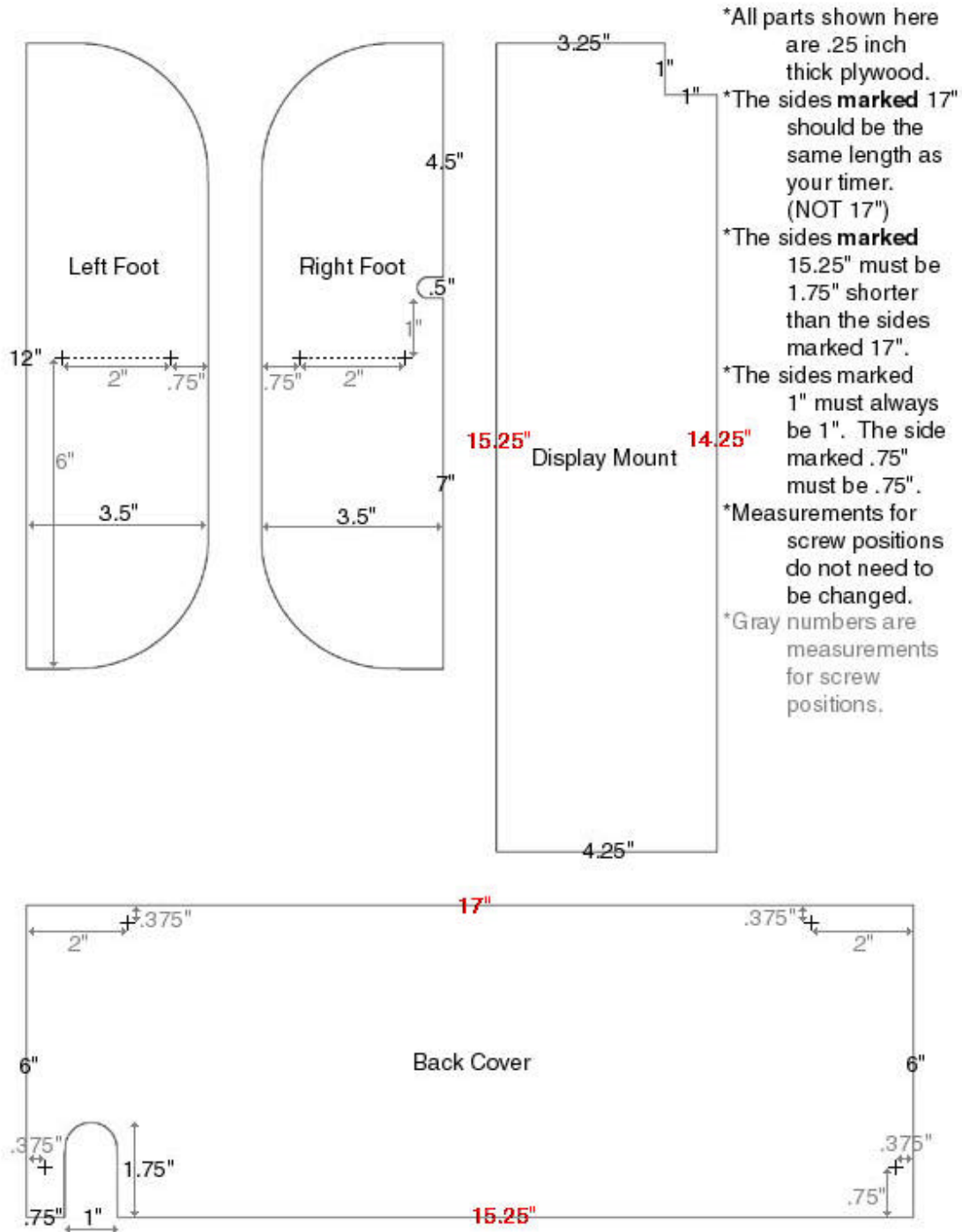


Figure 2



eTekGadget 36 Matuk Drive Hyde Park, NY 12538 (845)-229-5189

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