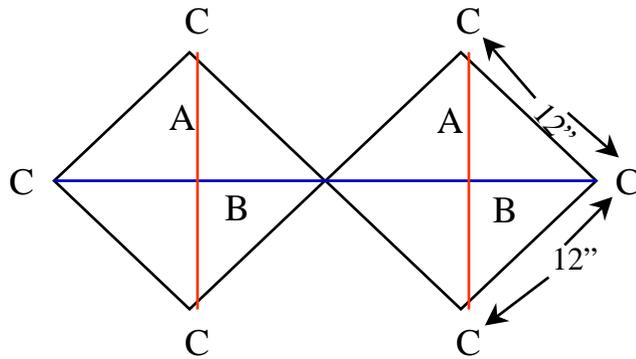


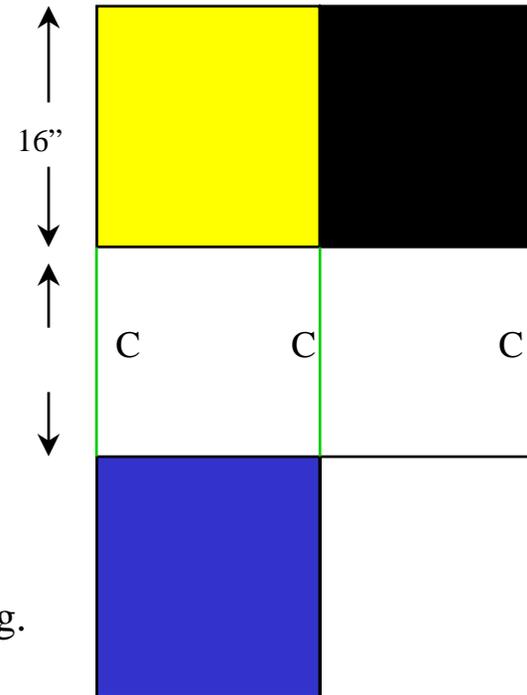
## Double Box Kite Plans (not to scale)

Dowel locations are color-coded and labeled for B/W printers

Top View



Side View



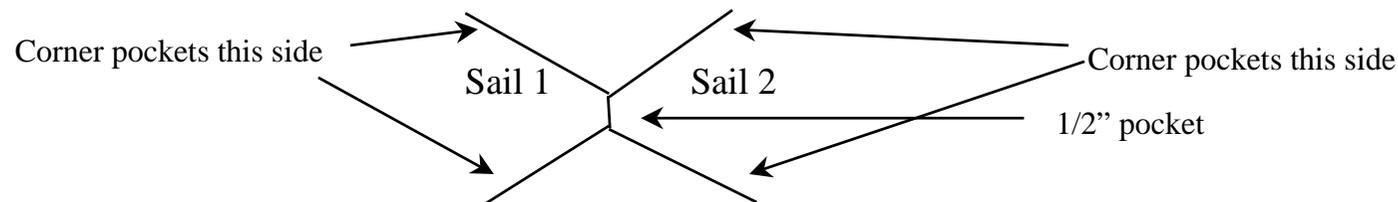
### Materials Needed:

- 6 17" x 3/16" diam. Dowels
- 2 34" x 3/16" diam dowels
- 7 4' x 1/4" diam dowels
- 4 sails (any color) that are 16 1/2" wide by 53 1/2" long.

## Assembly Instructions:

- Cut wood dowels to lengths specified in the list of materials on the previous page. If the sail pieces are not 1 continuous piece allow  $\frac{3}{4}$  inch extra for each corner you have to sew – this allows a  $\frac{1}{4}$  inch seam.
  - Cut sail material to dimensions specified on the previous page. Mark each sail at 12", 13", 25", 26", 38", 39"
  - Fold sail  $\frac{1}{4}$  inch on top edge and sew hem. Repeat for bottom edge. Repeat step 3 for other 3 sails.
  - At 12  $\frac{1}{2}$  inch, measure down from top of sail 6 inches and mark sail. With that mark as center, cut a hole large enough to fit the outside diameter of your plastic tube. Repeat for 38  $\frac{1}{2}$  inch. For 25  $\frac{1}{2}$  inch, only cut half a circle. For the two sail ends, match them up and cut half a circle on each. Repeat for each sail.
5. To form corner pockets: fold sail so marks at 12 and 13 inches match. Straight stitch to form  $\frac{1}{2}$  inch pocket. Repeat for corner at the 38 and 39 inch marks DO NOT SEW 25 and 26 inch marks. Repeat Step 4 for other 3 sails.
6. Select 2 pieces of sail material. Match 25 inch and 26 inch marks on each sail, sew sails together to form a  $\frac{1}{2}$  inch pocket so that 1 side of the pocket is one sail and one side is the other. See Figure 1.1. **MAKE SURE THE CORNER POCKETS FROM STEP 5 ARE ON THE OPPOSITE SIDE OF FROM OTHER SAIL** Repeat for other 2 sails. See Figure 1.1.

Figure 1.1 – not to scale, Top View



Assembly Instructions Continued.....

7. Sew the ends of each sail together to form the 4 boxes. You should have 4 boxes, paired off so that they are joined at one corner. Straight stitch the sewn corners  $\frac{1}{2}$  " from the seam to form the last corner pocket.
  - For bridle attachments, I used 2 pieces of line, cut to 6' 6" attached at the 4 corners of the kite with a loop tied at  $16\frac{3}{4}$ " from the top of the kite.
  - For each piece of tubing, cut holes in the sides of the tubing large enough to allow the  $\frac{1}{4}$  "dowels to slide through.
10. Find the  $\frac{1}{4}$ " dowels, slide each into an outside corner of the sail. Remember to push the dowels through the plastic tubing – the tubing should be on the dowels at the point where the dowel is exposed by the holes in the sail seam. Then slide the last dowel down the center seam of the kite. Sew the top and bottom ends of the kite seams shut.
11. Insert the  $2\frac{3}{16}$ " dowels across the two sections of kite top and bottom, through the holes in the middle seam so that each end of each dowel is inserted in the plastic tubing. Insert the remaining smaller dowels into their t-connectors form the box cells of the kite.