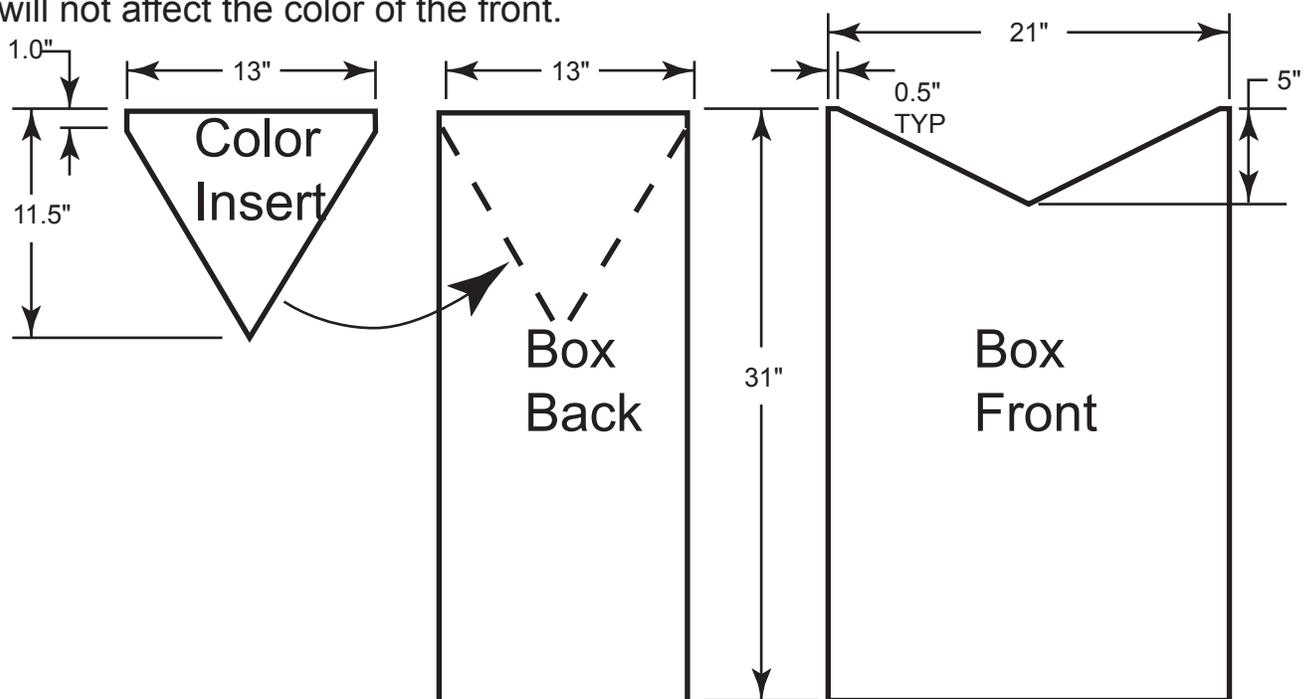
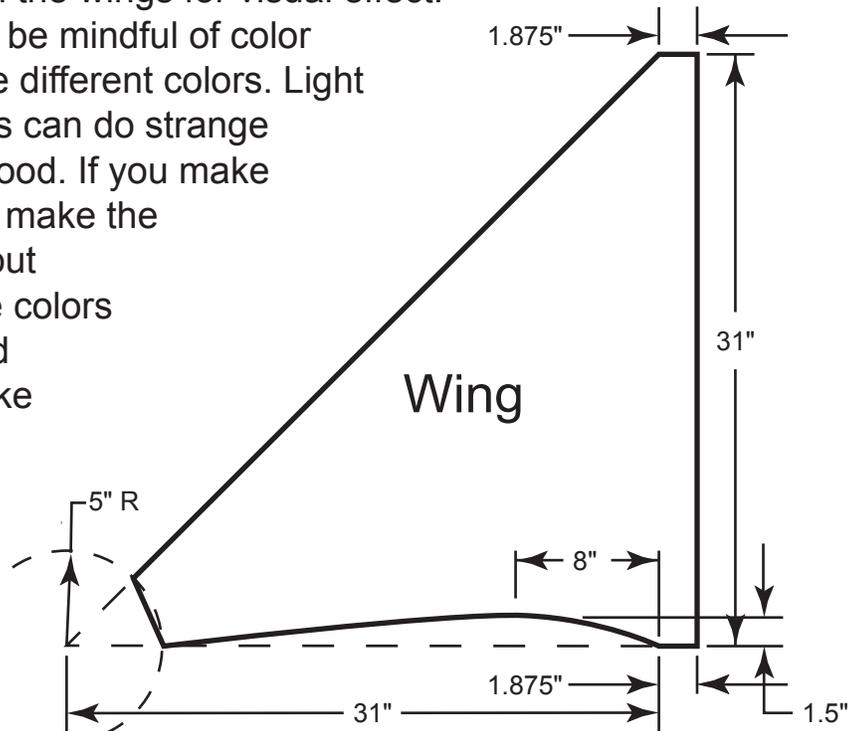


Dunton-Taylor Box Delta

Pattern

All dimensions shown are finished dimensions. These plans call for edge binding and a separately attached leading edge. If both sides of your fabric have the same finish (most don't, North Cloth's impregnated finish fabric being one exception), you can get a set of wings from a yard of 41" fabric. Otherwise, you will need two yards, but you can get two sets of wings from 2 yards of fabric. The front and back of the box section will require an additional yard of fabric, but usually this is a different color than the wings for visual effect.

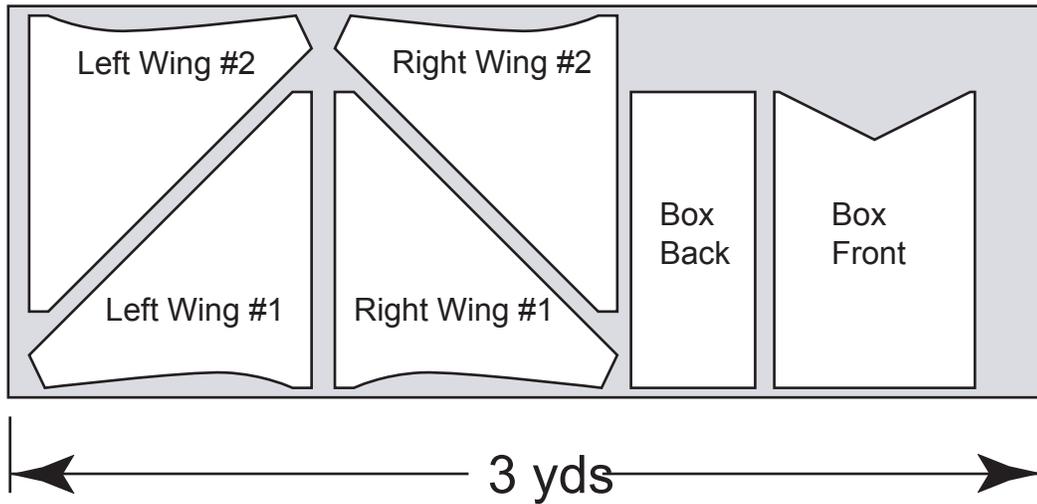
When selecting colors for the box, be mindful of color interaction if the front and back are different colors. Light shining through two different colors can do strange things, some good, some not so good. If you make the front of the box black, you can make the back any other color you like without worrying about color mixing. If the colors you have selected for the front and back of the box don't mix well, make a color insert using your back color and make the back of the box white. Attach the color insert to the front side of the back of the box. You can relief cut behind the color insert, if you choose. When the kite is flying, the color insert will nicely fill the cut away area of the box front, and the white back will not affect the color of the front.



Dunton-Taylor Box Delta

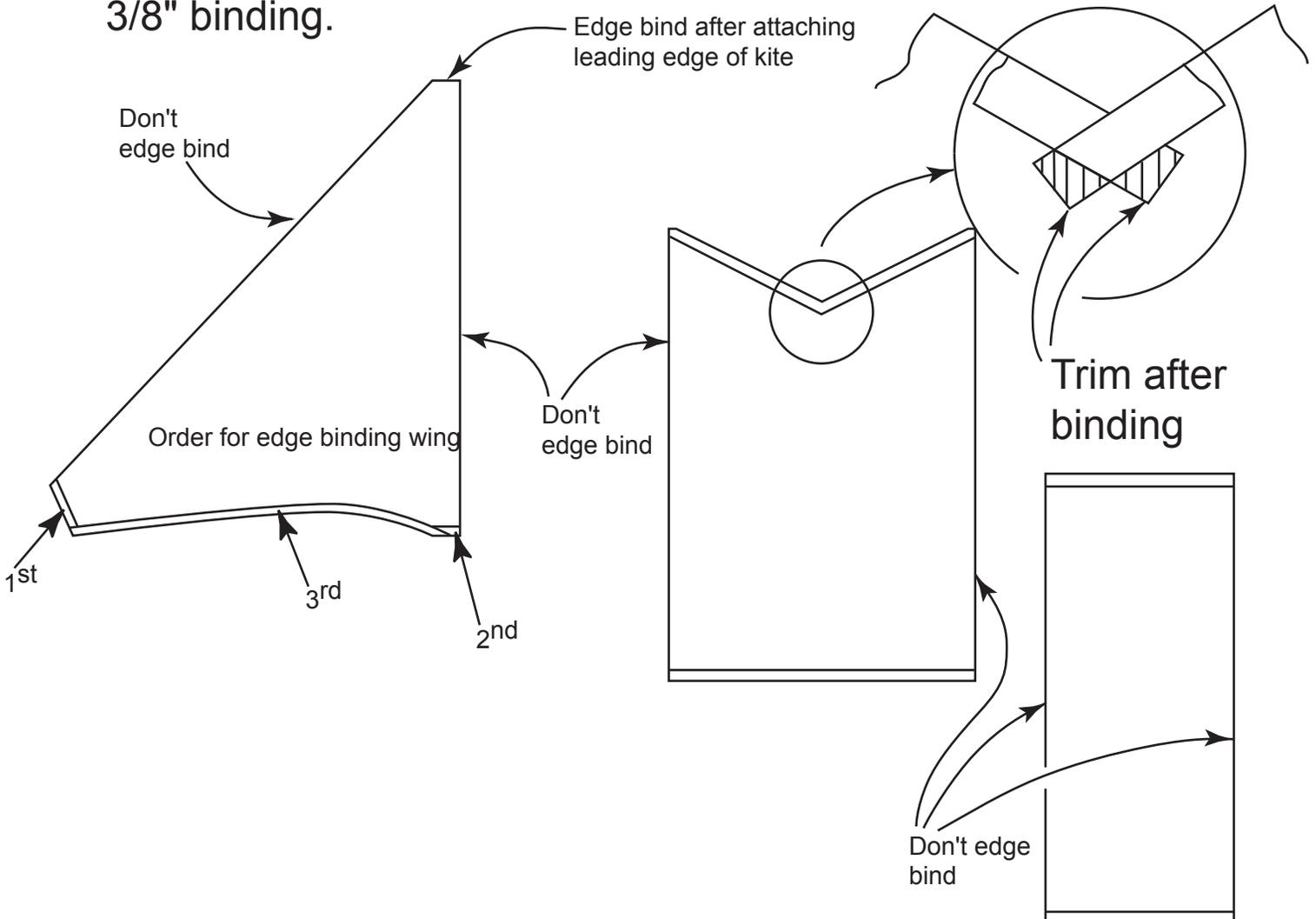
Layout

Layout where front and back of fabric are different.



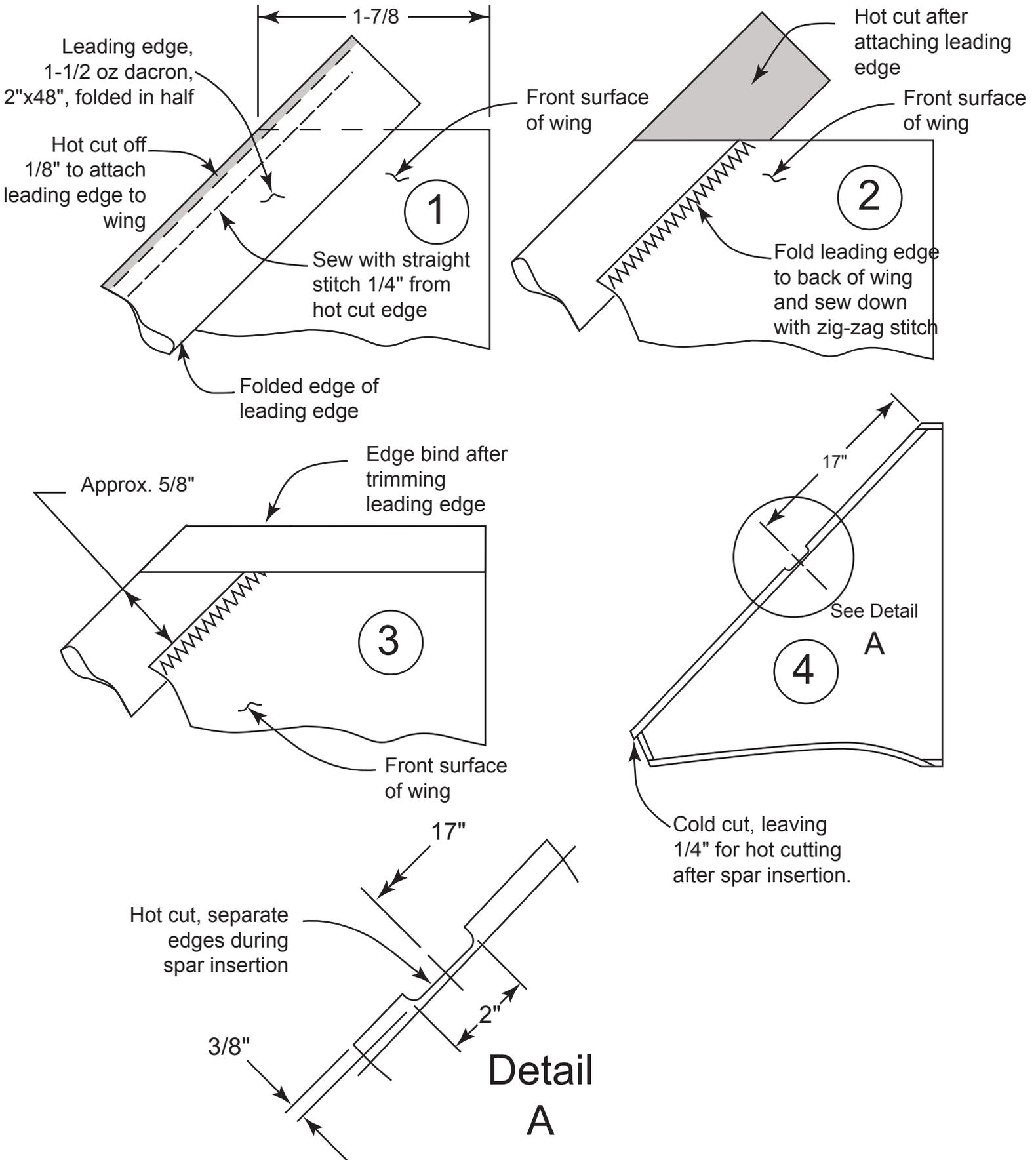
Edge Binding

From 41", 3/4 oz nylon, cut 5 strips 3/4"x41" - Fold in half for 3/8" binding.



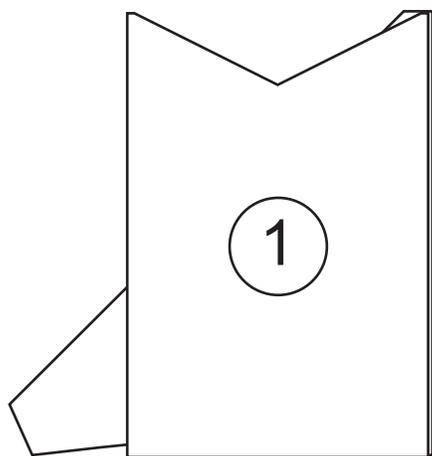
Dunton-Taylor Box Delta

Leading Edge Attachment:

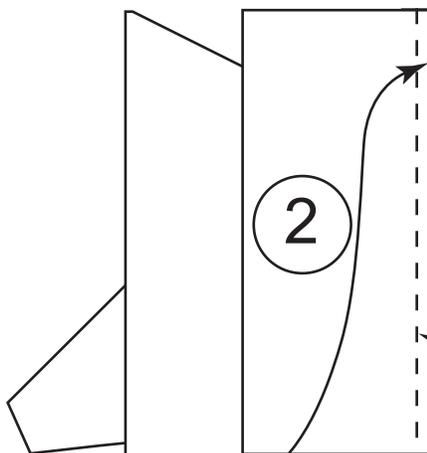


Dunton-Taylor Box Delta

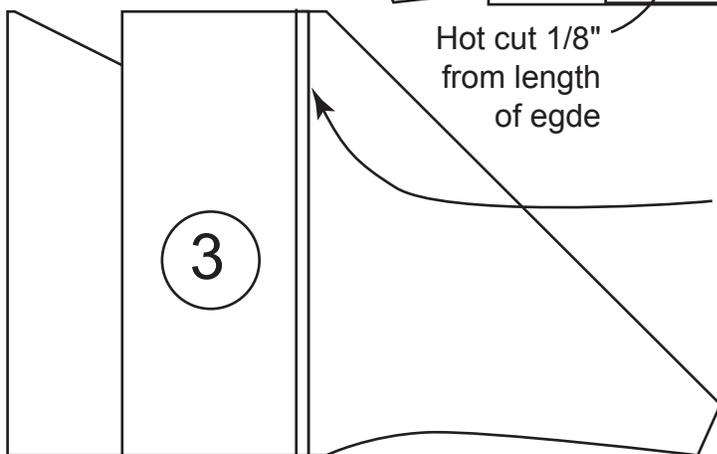
Sewing Together



Place wing on cutting surface, face UP (the side you see when flying). Next, place front of box face DOWN (fold forms a valley) on top of wing and align edges.



Place back of box face DOWN on top of stack. Align edges and hot cut about 1/8" from edge of stack to weld all three pieces together. Sew a straight stitch 1/2" from hotcut edge to attach pieces.

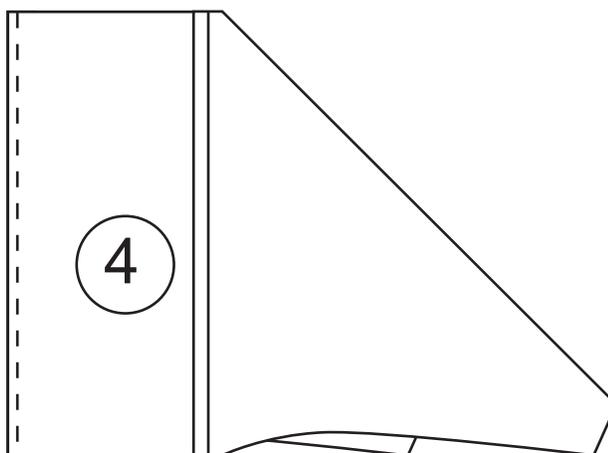


Hot cut 1/8" from length of edge

Sew to attach

Fold wing out from under stack and sew straight stitch along hotcut edge to form sleeve for spar.

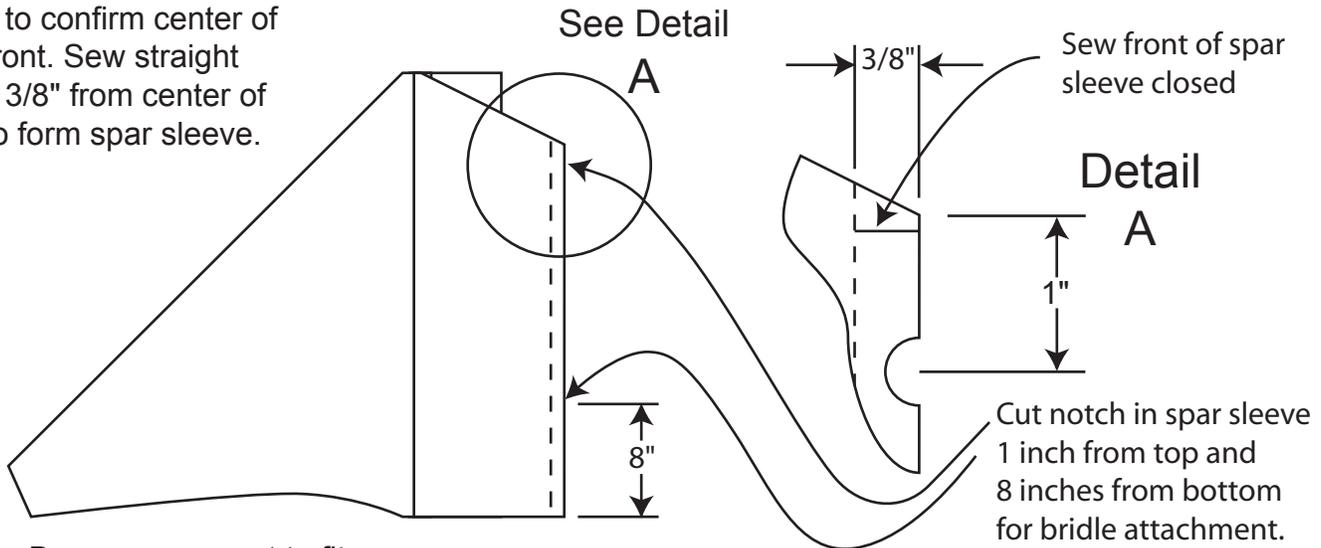
Place second wing on cutting table, face UP. Place box-wing stack from step 3 on top and align wing and box edges. Hotcut together and sew as in steps 2 and 3 to complete kite assembly.



Dunton-Taylor Box Delta

Spar sleeve details:

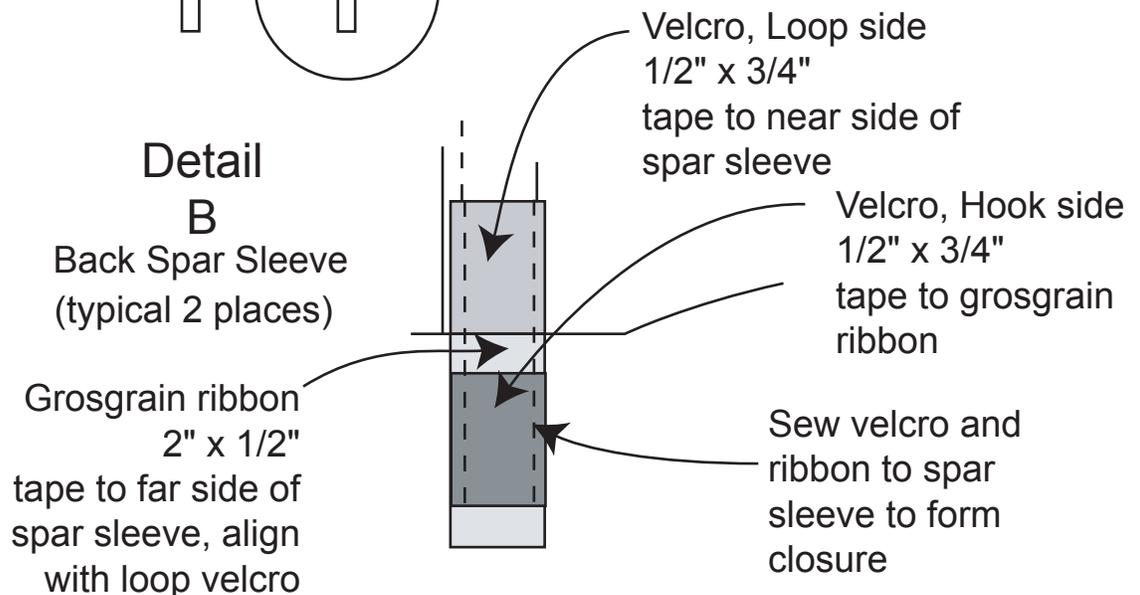
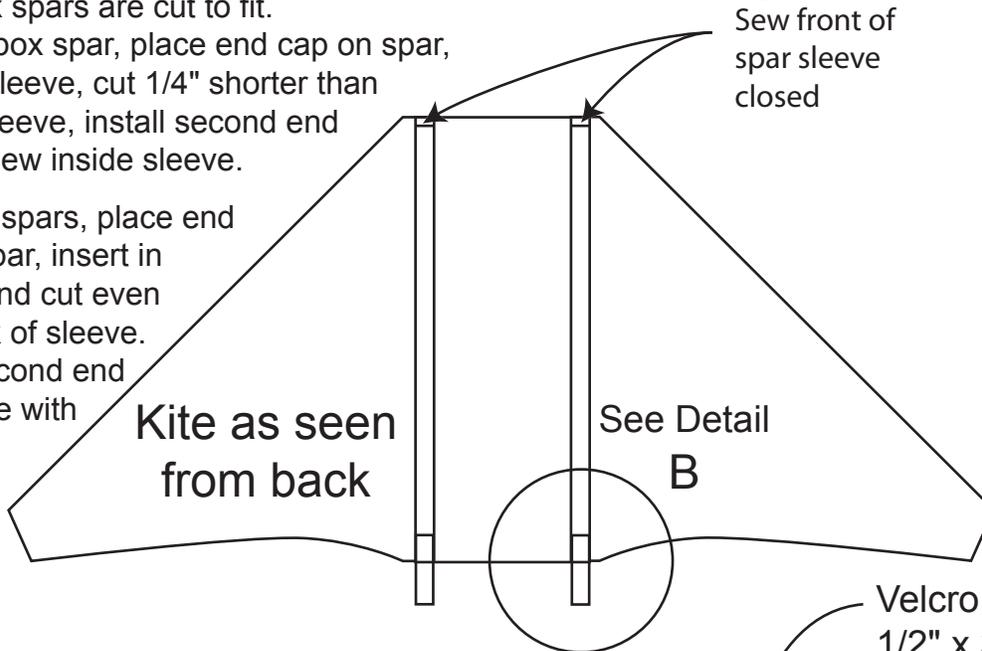
Bring wing tips together in order to confirm center of box front. Sew straight stitch $\frac{3}{8}$ " from center of box to form spar sleeve.



Note: Box spars are cut to fit.

For front box spar, place end cap on spar, insert in sleeve, cut $\frac{1}{4}$ " shorter than back of sleeve, install second end cap and sew inside sleeve.

For back spars, place end cap on spar, insert in sleeve, and cut even with back of sleeve. Install second end cap, close with velcro.



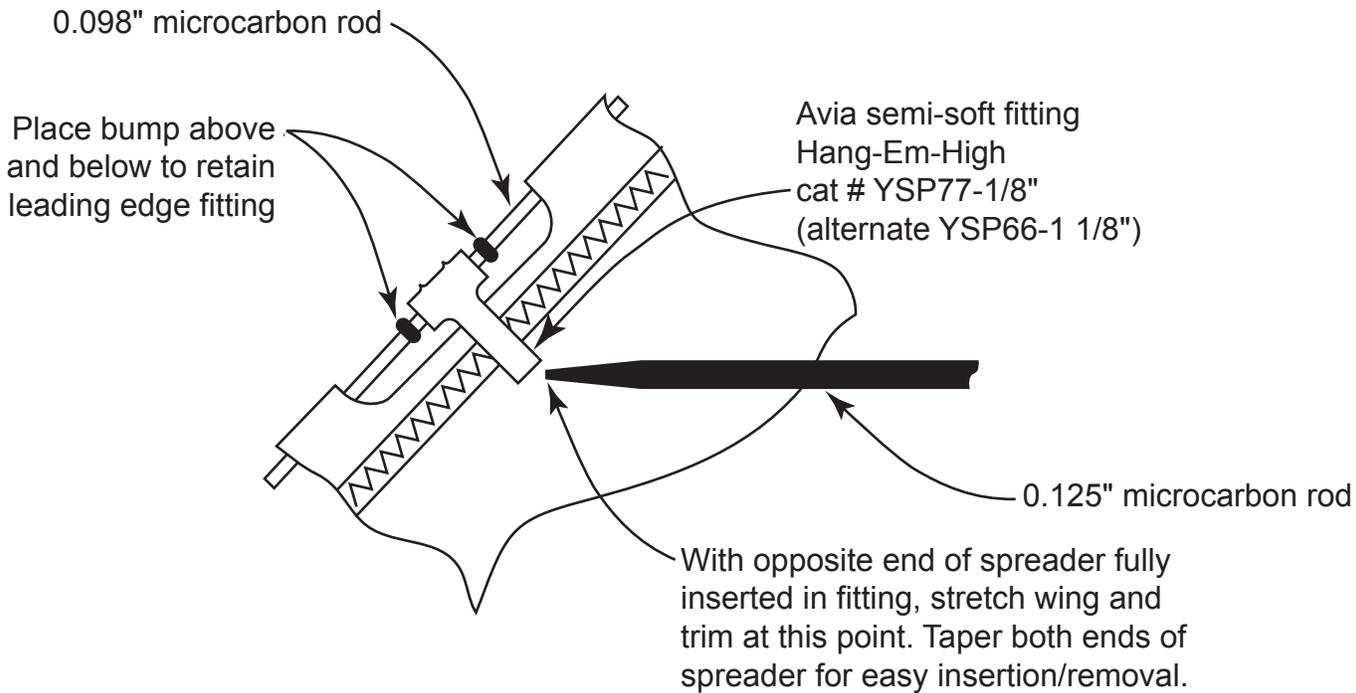
Dunton-Taylor Box Delta

Framing:

Wing Spars — 0.098" graphite rod, 2 @ 31"

Box Spars — 0.098" graphite rod, 2 @ ~31", 1 @ ~26"

Spreader — 0.125" graphite rod, 1 @ ~36", trim to fit



Leading Edge Details

