To build this simple roll-up bag, you can use coated "bag weight" nylon (from the discount bin at Wal-Mart), cordura nylon or even plastic tarps. The tarps work great, are cheap to obtain and are easy to sew but almost any hard-wearing and waterproof material should work fine. You will also need four luggage straps, the type designed to fit around suitcases. These can be bought at "dollar stores" for a buck each and normally include the snap buckle and an adjuster of some type. You will also need a sewing machine capable of sewing thick materials as at one stage in construction you will be sewing through five layers of bag material and two layers of webbing strap! Start with an 8' x 10' piece of fabric. This design will hold twenty 4' kites. For alternate plans to hold longer kites, see www.kites.org/essexkites/kite_bag.html.

Step 1: Square up material to outside dimensions. Remove rectangles or corners, remove any metal or plastic edges.

Step 2: Fold in sides and bottom at fold line. Sew 1/8" in from folded edges to form top edge to pockets.

Step 3: Fold in left side, mark pockets at 7" centers allowing for 2 1/2" top over at top.

Step 4: Fold up bottom, mark pockets at recurved spacing to fit pockets.

Step 5: Fold top flag in half and then fold over onto the top of the bag to form a tripe thickness band to take the straps.

Step 6: Turn bag over so pockets are underneath. Position the female end of a strap in the middle of the top reinforced edge so that the buckle part just hangs over the edge.

Step 7: Measure 8" from each end of bag and make a mark. Remove all the fittings from one strap and fold one end under by 2". Sew on top reinforced edge as shown.

Step 8: But the end of a third strap against the end of the strap sewn in Step 7 as shown. Sew down as in Step 6.

Repeat at the other end with the fourth strap.

The bag is now complete, fill with kite/lines, roll up and adjust the straps and labels. TO FLY A KITE!