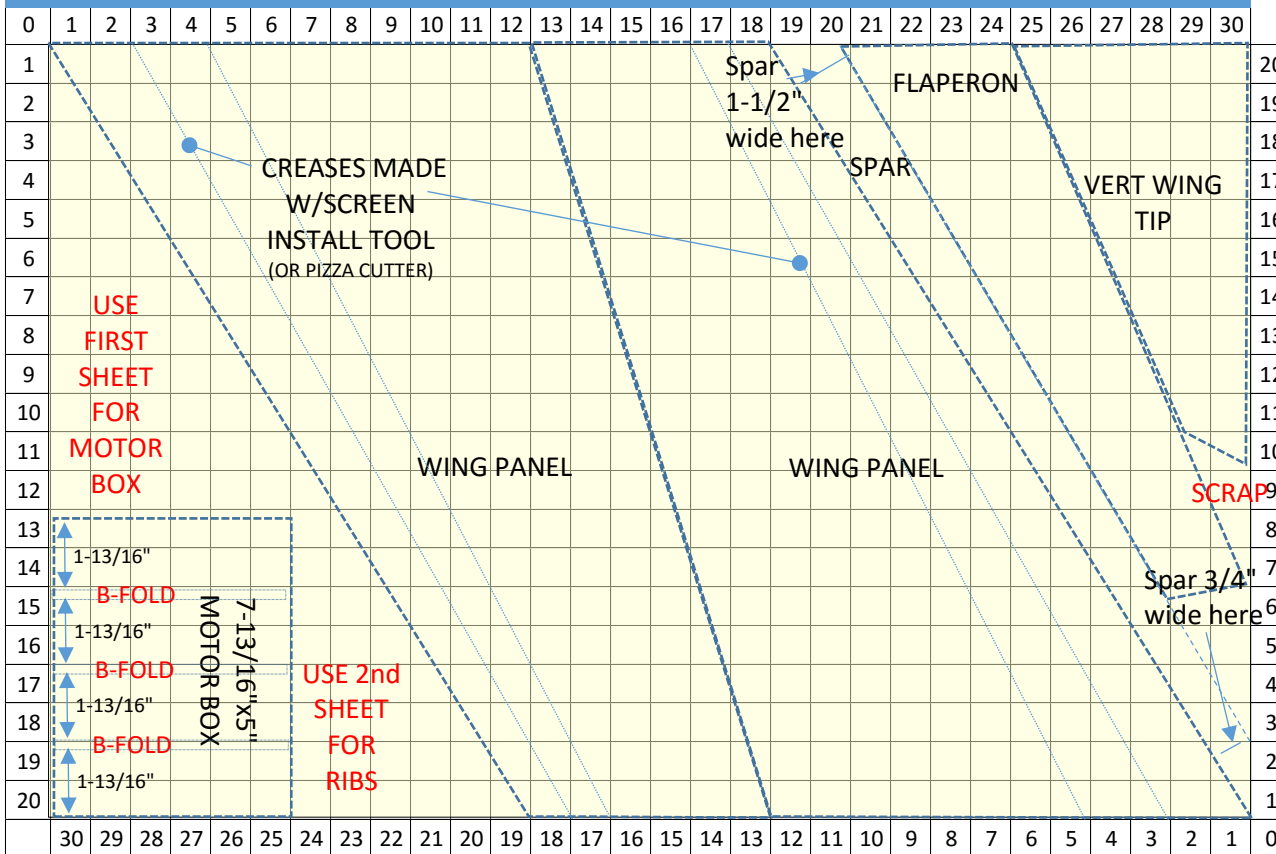


## SLRCFA Combat Wing - Design v2.1 (Cut List, Materials, Tools)



### Proposed SLRCFA Combat Airframe Rules:

- 1) Airframe built to dimensions & made of foam board, packing tape & hot glue only
- 2) Aircraft weight may be no greater than 28 oz all-up-weight
- 3) Propellor must be an APC 12x7 electric propellor w/RPM<8,000

### Materials:

- (2) 20"x30" Ross Foam Bd (Walmart) or Dollar-Tree Fm Bd
- (1) 1/4" x 24" wooden dowel rods, min length (Walmart)
- (1) 1-1/2" x 1" piece of light ply  
(cut into two pieces diagonally for control horns)
- (1) 2"x2" square piece of 1/4" plywood (Walmart)
- (2) 14g or larger MG servos and (no extensions needed)
- (2) straight thin wire pushrods
- (1) motor/ESC combo for 11x5.5 propellor  
-Sugg. motor: Turnigy 3536/9 or equivalent  
-Sugg. ESC: 30 - 40 amp
- Screws and mount for motor - #6 drywall screws for speed
- (1) battery providing 8-10 min of flight - 3S 2,200-2,650mAh
- (1) APC equivalent 12x7 electric propellor
- Velcro, sticky-back
- High-temp hot glue sticks
- Packing tape

### Tools:

- 36" - 48" metal straight-edge ruler
- 2' level to apply pressure during creasing of wing skins
- Hi-temp hot glue gun
- Foam board scraps for hot glue spreading
- Packing tape (gun is optional but optimal)
- Razor blades or Utility knife blades
- Full-size sanding sheet w/80 grit -OR- belt sander
- Wire Cutter
- Z-bender
- Optional: spray paint*
- Optional: 4oz Fiberglass cloth, Spray adhesive and thin CA for motor box reinforcement*
- Optional: calipers for measurement*

# SLRCFA Combat Wing - Design

