Main Spar Material: Rib spacing approx. 6.5" to Sunpower C60 Solar Cells (blue) Trailing edge is Tower Hobbies 0.680 x 0.752 x 72 inch accommodate 5" cells with with solder lands shown in red. balsa aileron stock, RockWestComposites.com minimal rib shadowing. 5.00 x 5.00 x 0.0065" 5/16 x 1 x 36" SKU: 45354 Wt. 6.3 grams #L5JD2102 Wt: 0.3lb/72" 28-cell wing will use approx. Voc= 0.684V 34 ribs including doubled tips, Isc= 6.26A Center section span: doubled ribs at wing breakpoints, Vmp= 0.577V Notch TE (6.5x6)+6" sheeted midskid sheeting supports, and Imp = 5.87Afor ribs section = 45" root doublers. Pout= 3.38W Tip section span:26" (x2) Eff= 22.1% Total wingspan: 97" Sheeted ribs in center wing Dihedral, 11.3 Deg, (2 plcs) center & 4-ea skid support Aspect ratio: 97/12.5= 7.76 sections must be trimmed S-marked holes are 0.264" dia. down. They are for $3/16 \times 3/16$ " balsa Optional 0.060" Dia Estimated wing weight: 50oz. cell-mounting stringers (4ea). carbon fiber stringer for cell CG of wing alone is 1.7" aft W-marked holes are for wiring protection of front of spar. access through ribs. The airplane's GC shall be at Cut ribs from 3/32 x 4 x36" balsa. ANERGOE CONFERENCE SHOW THE FREE SET 1 GOVO ST STONE FROM 30% of chord. This is at 3.75" Tower Hobbies #LXJC89. behind the LE, at the front of Full sheet Wt. is ~1.16oz the CF spar. 1 sheet vields 6 ribs Wt per rib: ~0.16oz Froward cell tilt = 3 deg. 34 ribs will weigh ~5.5 oz Rear cell tilt = 9 deg. Rivers de Consesed Sittan intraes districted Covering: Coverite 21st Century Find is 12.5 Inches 1/250 Hisely Microlite Clear, 72" x 27-3/4" roll, 0.6oz (17g) per square yard. Area to be covered: ~27" x 97" = 2.0 sq yd @ 0.6 oz/sq yd = 1.2 oz.W Airfoil perimeter is 25.6" Mid-Wing Rib Design Printer scaling 5.000" Target Airspeed: - Leading edge is Revell balsa, 7/16 x 3/4 x 36" Tower Hobbies #LXCGEJ, notched 1/16" for ribs. ~ 9M/s (20MPH) - Bottom sheeting is 1/16 x 4" balsa, #LXJC86

File: Clark YH Detailed 12r5inPrint O.psd

- Sringer above LE is 1/4 x 1/4" balsa, #LXJD04

- Spar-to-sheeting fillers are 3/16 x 3/16 balsa, #LXJD02