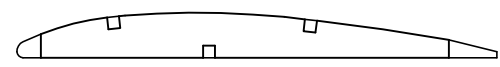
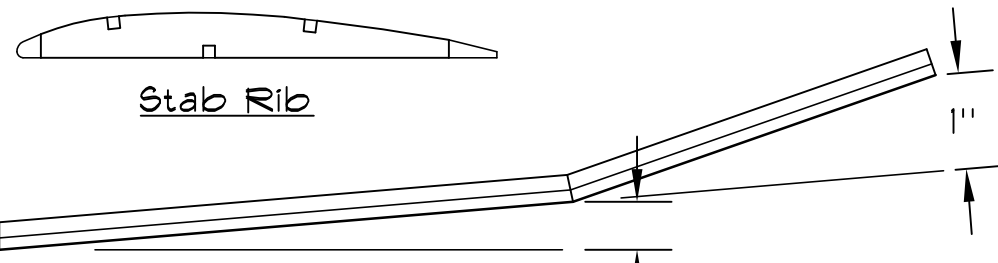


Wing Rib

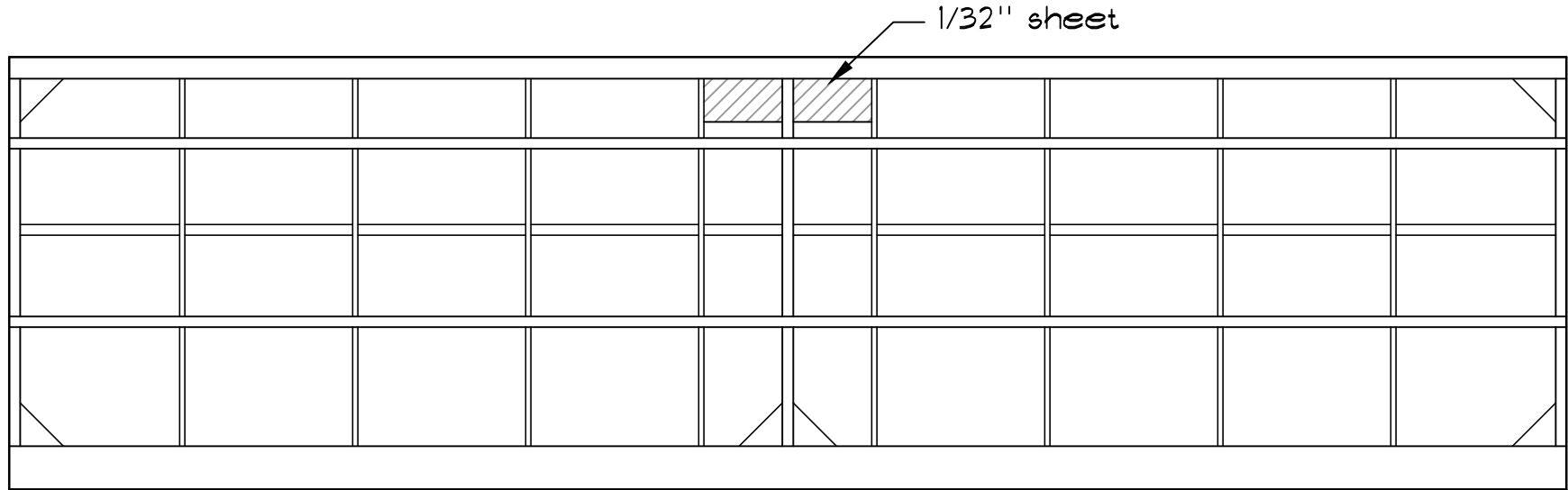


Stab Rib



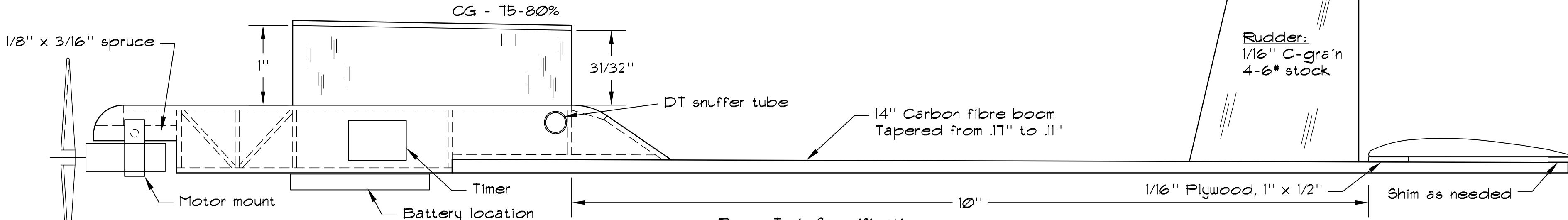
Dihedral Dimensions:  
half sized

Wing Structure:  
All ribs are 1/32" C-grain 4-6# stock  
Dihedral rib and polyhedral ribs are 1/16" C-grain  
All spars are 1/16" sq.  
Leading edge is 1/8" sq.  
Trailing edge strips are 3/32" x 1/4"  
Tips are 1/8" soft  
Gussets are 1/16" soft



Stab Structure:  
All ribs are 1/32" C-grain 4-6# stock  
Center rib is 1/16" medium  
All spars are 1/16" sq.  
Leading edge is 1/8" sq.  
Trailing edge strips are 3/32" x 1/4"  
Tips are 1/16" soft  
Gussets are 1/16" soft

Motor Mount:  
Is a 1/4" wide strip of thin brass or aluminum sheet wrapped around the motor and held onto the fuselage with a 2-56 bolt and nut. The fuselage side is reinforced with 1/64" plywood on either side where the bolt hole is. The mount is lined on the inside with a 3/16" wide rubber strip. Thrust adjustment is made by bending the motor mount as needed.



Fuselage Structure:  
Fuselage sides are light 1/16" A-grain balsa  
Top and Bottom are medium 1/16" x 1/8" balsa  
Uprights and diagonals are 1/20" x 1/8" light balsa  
Pylon is medium 1/16" sheet balsa  
Wing platform is 1/16" x 1" balsa  
DT systems is either a button timer or fuse.

Flight Specifications:  
Maximum flight time is 90 Seconds  
First three flights: 20 second motor run.  
Subsequent flyoff flights: 10 second motor run.

Power Train Specifications:  
Motor is a Park Zone PKZ 3616 (1.0" long x .35" diameter). Weight is 6.25 grams. Battery is a one cell LiPoly unit (Lectron Pro 3.7 MaH, 25C) 1.8" x .2" x .4" and weighs 4.5 grams. The timer is a custom made unit which Bruce Hannah is selling for \$12.00. It is .7" x .5" in size and weighs .8 grams. The designated propeller is a 2.5" GWS unit. Bruce has also ordered these and is selling them at cost.

Design Notes:  
The EAP 20 series of models are the creation of Bob Stalick specifically for the "Three Amigos" Spring contests held in Tumalo Oregon.  
The projected Wing Area is 66 Sq. In.  
Stab Area is 22.5 Sq. In.  
The model is covered with lightweight Japanese tissue and two coats of thin nitrate clear dope.  
The flight pattern is right/right.  
The Carbon Fibre boom is from Stan Buddenbohm.



Model Aircraft Information:  
**EAP-20 MkII**  
by Robert Stalick  
2013

Scale:  
As Shown  
Drawn By:  
GGG  
Project #:  
-  
Sheet 1 of 1