



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. Trust adjustment is made by bending the motor mount as needed.

Wing Structure:
All ribs are 1/32" C-grain 4-6# stock
Dihedral ribs and polydihedral 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

Slab 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 1/8" soft
Gussets are 1/16" soft

1/8" x 3/16" spruce
Motor mount
Battery location
Timer
DT enuff tube
CG - 15-20%

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
Fuselage is medium 1/16" sheet balsa
Wing platform is 1/16" x 1" balsa
DT systems is either a button timer or fuse.

Power Train Specifications:
Motor is a Park Zone FCZ 3616 (10" long x 35" diameter). Weight is 625 grams. Battery is a one cell LiPo unit (Lectron Pro 160 mAh, 3.7V, 25C) 18" x 2" x 4" and weighs 45 grams. The timer is a custom made unit which Bruce Hamish is selling for \$1200. It is 1" 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 Stallck specifically for the "Three Amigos" Spring contests held in Tualco Oregon.
The projected Wing Area is 66 Sq. in.
Slab Area is 225 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 fiber boom is from Stan Buddenbom.

Model Aircraft Information
EAP-20 MkII
By Robert Stallck
2013

Scale: As shown
Drawn By: Robert Stallck
Revised: 1/13
Sheet: 1 of 1

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