

Cloudbuster membership and subscription to the newsletter is \$15.00 per year (\$6.00 membership without subscription). All memberships expire on Dec. 31. Subscription membership includes all Newsletter issues for the year.

Send subscription money to:
Cloudbusters c/o
Dan Olah
25436 Wareham Drive
Huntington Woods, MI 48070

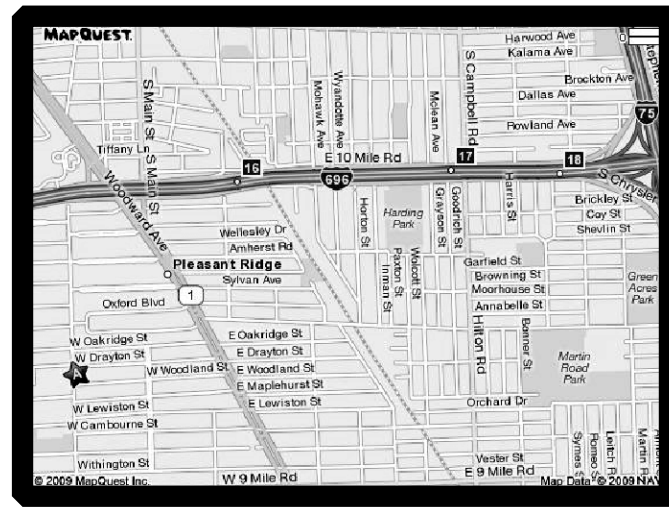
Address all regular correspondence to:
Davis Gloff
76 Amherst
Pleasant Ridge, MI 48069

Club Officers
President: Mike Welshans, (mbwelshans@aol.com) 248-545-7601
V.P.: Winn Moore (winn_moore@yahoo.com) 248-830-6294
Secretary: Davis Gloff (davisgloff@hotmail.com) 248-399-3935
Treasurer: Dan Olah, (danielolah@wowway.com) 248-542-8144
Safety Officer: Bruce Thoms

Newsletter Editor: Chris A. Boehm, (merlin236@comcast.net) 810-348-8675
5586 Chatham Lane
Grand Blanc MI 48439

Club Website by Davis Gloff, (davis.gloff@gmail.com)
Cloudbustermac.tripod.com

Cloudbusters Model Airplane Club
25436 Wareham Drive
Huntington Woods MI 48070



The Cloudbusters meet at 8pm. on the third Tuesday of the month at
Drayton Ave. Presbyterian Church
2441 Pinecrest Avenue
Ferndale, MI 48220 The meeting room is #309
No meetings in June, July, or August.

Be sure to visit our web page to get the winter 2013 handout. If you do not have access to the web or a printer, contact a member who does and get your copies for handout today.

Cloudbusters NEWSLETTER

Cloudbusters Model Airplane Club of Michigan, Inc.

Our 75th Year

Mar/April 2014

1939-2014 Happy 75th Birthday! Cloudbusters

**THE NEW
CLOUDBUSTER
APPAREL ARE
AVAILABLE.**

You now have a chance to replenish your Cloudbuster logo apparel with new stock. There are Ultra Cotton Short Sleeve T-Shirts (with and without pockets), Heavy Blend Crewneck Sweatshirts, Heavy Blend Hooded Sweatshirts, Coach's Jackets, Port Authority® Challenger™ II Jackets, and 3" Bumper Stickers.

The way it works is to log onto the Cloudbuster web site and follow the link or go to

freshhotshirts.com/cloudbusters

and place your order on line. Be sure to double check you size and color selections. The web store will only be accepting orders from March 10th through April 13th, after that you are out of luck til whenever next time is.

The site will accept paypal and credit cards. The difference between this and your normal web purchase is that I will be picking up all the orders on May 2, each bagged separately with the receivers name. I will bring everybody's to the Spring Fling on the May 4, and will continue to bring them to meetings and events until everyone has there stuff. If you live out of state/country please send me your mailing address, winn_moore@yahoo.com and I will get them shipped to you.

Thanks
Winn

The Blatter 40 Trophy



We picked up the Blatter 40 Trophy. This was a re-purposed trophy that was kicking around in the attic for years. Good thing about this trophy is, no engraving. No place for names, just a trophy to give out once a year in March.

Mike



Broome Park 2014 Schedule and Information

This information covers the events and procedures that will be flown at Stanley Broome Park during the summer of 2014. All dates will start official flying at 9:30AM and will run through 3:00PM.

IMPORTANT - Per the change to the Club Constitution and Bylaws that was proposed and passed at the October 2013 Cloudbuster Meeting, and which affects all Cloudbuster Contest's including the Indoor Fling and FAC Outdoor Champs, the designated CD must be at the field or flying site a minimum of 30 minutes prior to the start of scheduled flying. Failure to arrive in the starting time frame gives the designate alternate the right to choose the set up location. All official FAC events will be flown to the current FAC 2014/2015 Rule Book. Pinkham Field Events will be flown to the modified Pinkham Field Rules published on the Cloudbuster Web Page.

Dates and Contest Directors

Sun April 13	Winn Moore	winn_moore@yahoo.com
Sat May 24	Mike Welshans	mbwelshans@aol.com
Sun June 8	George Bredehoft	volare61@gmail.com
Sun July 6	Club Picnic and Contest	
	Chris Boehm	merlin236@comcast.net
	Mike Welshans	mbwelshans@aol.com
Sun Aug 3	Winn Moore	winn_moore@yahoo.com
Sun Sept 21	George Bredehoft	volare61@gmail.com
Sat Oct 4	Mike Welshans	mbwelshans@aol.com
Sun Oct 19	Winn Moore	winn_moore@yahoo.com
Sun Nov 2	George Bredehoft	volare61@gmail.com

For this event, because of the free food and refreshments, a pre registration will be required to make sure we do not run out.

Events – Flown on All Dates

- Event # 1 FAC Peanut Scale
- Event # 2 FAC Scale
- Event # 17 FAC Dime Scale
- Event # 18 FAC No Cal Scale
- Event # 19 FAC Phantom Flash - Must ROG Unassisted - Best 3 of 6
- Event # 20 FAC Embryo – Must ROG Unassisted
- Event # 23/24 Combined Greve/ Thompson Race (* and ** Apply)
- Event # 25 Goodyear/ Formula Race (* and ** Apply)
- Event # 26 WW-I Combat (* and ** Apply)
- Event # 27 WW-II Combat (* and ** Apply)
- Event # X Pinkham Field Victory Models (**** and ***** apply)
- Event # Y Pinkham Field Stick (**** and ***** apply)

- * All Mass Launch Events Minimum 2 Rounds per FAC Rule Book
- ** Must Comply to FAC Pilots Pre Launch Check List
- *** Regarding Pinkham Field Victory Models. See Next Column.
- **** Regarding Pinkham Field Stick Models. See Next Column
- ***** Must present plan with model.

Ramblings from the Editor

Anyone hungry for peanuts? In my opinion, we have not had enough peanuts indoors or outdoors. Here are two this issue that I can guarantee flyable. I have build many of the BD-4s and a great Ol' Ironsides. I must admit that when I built the Ironsides, I modified it slightly by building the fuselage and fin with stick and tissue. Either way it should fly great. As always, if you would like more documentation on these planes, please contact me and I will send it to you. The third plan is the Sky Bunny by Bill Warner. Why don't you join in on the Postal Contest, then use the Sky Bunny as one of your Pinkham Field Stick models.

Be sure to order your Cloudbuster Gear. T-Shirts, Jackets, Sweat Shirts and Bumper Stickers. If you do not have the

FIRST INTERNATIONAL EASTER SKY BUNNY POSTAL CONTEST

One design, one day postal fun contest, 12:01 AM to midnight your time, Easter, 2014. Entry fee a \$5, if you can afford it, to cover mailing, ribbons, certificates. Any left over will go to the ASPCA, not Warner's beer fund.

RULES:

1. Open to Bill Warner's Sky Bunny design, no limit to number of entries. Double-covered wing, 17 3/4" span, stock planform and wood sizes.
2. Classes: Jr. (up to age 12), Sr. (13-18,) Open (up to age 65,) and Old Fart (over 65)
3. No limit as to number of flights outdoors or indoors. Your best time counts.

The book "Building the Sky Bunny" from the Hey, Kid series is still available on eBay and on Amazon from under \$5 to \$25.

The kit is available from A2Z on the internet at www.a2zcorp.us/store \$13.50 - laser cut.

Copies of just the plan can be had free for a legal-sized SASE (1 stamp) envelope from

B. Warner,
1370 Monache Ave.,
Porterville, CA, 93257,

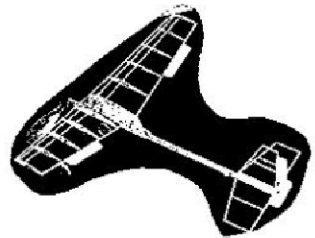
or on a PDF (courtesy Henry Frautschy) to your eMail address. uncx@sbcglobal.net

ENTRY / RESULTS FORM

Send within 2 weeks after your Easter flights to the above address.
Name _____ best flight time _____

Address _____

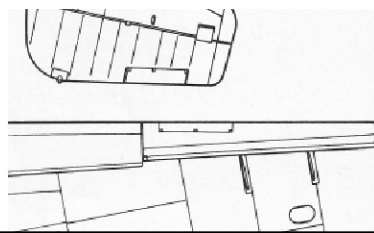
Enclosed: ____photo ____ \$5 suggested to cover costs - sliding scale



internet, find a buddy that does. Show up at the next contest in Cloudbuster Style.

For tips and techniques, little things mean a lot. Take a look at the trim tabs on a full scale P51. They are tiny. When you need a slight adjustment on one of your creations, say, you need a little left rudder. Try gluing a 1/16" strip of balsa to the trim tab outline on the left side of the rudder. It sure beats trying to warp the rudder, and looks a lot better than some plastic tab sticking out from the rudder. 1/16" - too much, just sand it down. Easy adjustments. Same thing with ailerons or flaps. By the way, this strip of balsa is known as a Gurney Flap. Look it up Race Car drivers love them. Speaking of little things, when was the last time you used a .005" or .003" shim tab on your nose block? It is called masking tape. Old fashioned tape is .005", the blue stuff is only .003" thick. A .003" tab of right thrust can mean the difference between a good flight - and - WOW, LOOK AT THAT THING GO.

Chris



Presidents Notes

Hi all, spring can't get here fast enough in our opinion! Good news is we've had lots of time to build.

First thing this newsletter issue is announcing is that the annual Memorial Day Concert at White Chapel Cemetery is on Sunday, May 25, 2014. Our own Cloudbuster club secretary, Davis Gloff is the MC and the concert is always a hit. Lots of veterans and their significant others attend and all service branches get recognized. Get there early and there should be a couple of rows of seats in the front for the use of Cloudbusters.

In another section of this newsletter please find the information and schedule for Broome Park along with the events. The slightly modified rules for the Pinkham Field Events we will fly there and at the Indoor Fling are at the end of this article.

The Cloudbusters will be ordering Club Shirts and Jackets for the first time in several years. They will be ordered by members from the following web page

freshhotshirts.com/cloudbusters

during a limited window of March 10 Through April 13. Once all order's are in all shirts and jackets will be printed and packed by purchaser at the printer's. Keep in mind this is no different than the last time we ordered except you are prepaying to a printer rather than the club. Shirts will be delivered to Winn & Bruce May 2. For out of town members we will ship the shirts you order to you at the Cloudbusters expense. Winn Moore & Bruce Thoms spearheaded this project so when you see them please thank them as it has been in the works for 4 months.

All major contests for free flight and control line will be listed in the summer flier which will be emailed to all in the near term. Key dates for FF are the FAC Nat's from July 16 through July 19 and the FAC Outdoor Champs from Sept. 11 through Sept. 12. For CL we're waiting and will post dates on the web page

The Indoor Fling will be held at Ultimate Soccer the 1st Sunday in May. Flier has been emailed and will also be sent to out of state fliers if we have addresses and or emails. It is also reprinted in this newsletter for your convenience.

Pinkham Field Model Rules

Stick Models

This event is for stick models having a solid stick or non scale profile models with a span not greater than 20 inches. They may be built up, all sheet or a combination of both. They can be flown as many times as you wish all day. There is no maximum flight time. Highest single flight time wins. Only the winner gets listed. No second or third place credits given.

Victory Models

Victory Models were conceived and designed during WW-II by the team of Ira Dyer and Louis Bucalo. The motivation was the conservation of modelers dwindling supplies of rubber and balsa wood. Beginning in the January, 1943 issue of Flying Aces magazine, seven different plans were published, some of them in companion magazines to Flying Aces. The rules for building and flying these small models are few and simple.

1. Models must be built per plan.
Modification to original rule which required the prop on the plan. We will allow plastic props however if the original plan prop, balsa folder or not, is used you will receive a 20 second bonus per flight, total of 60 seconds total for three flights.
2. Winning score is the highest total of three flights including bonus.
3. Any flight of 20 seconds is official.
4. There is no maximum flight time.

The seven Victory models are listed below with their known sources. All of these plans are also available for free from the Shorty's Basement/ Volare Products web page. A link to that page follows. volareproducts.com/?page_id=548

Speedysport, G-Whiz, Fleet Wood Flier, Flying Elevator, Tri-Flyer, Victory Stick, Shaft Flyer,	Flying Aces, Oct. 1943 Flying Aces, July 1943 Air Age, Aug. 1943 Aircraft Age, April 1944 Flying Aces, Nov. 1943 Flying Aces, Jan. 1943 Unknown
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Cloudbuster George Bredehoft is the New Owner of Superior Props

In late 2013, we at Volare Products/Shorty's Basement and Bob Gourdon negotiated the purchase of the famous Superior Props business. Bob's health has been on a decline for several years and he was having difficulty operating the machinery. After two trips to Louisiana, we completed the purchase and the transition of operations from southern Louisiana to central Ohio in mid-January 2014. My father, Tom Bredehoft, a retired toolmaker and cabinet maker, will be operating the manufacturing until I can retire myself and take over the production.

We are happy to announce that our first order for propeller blanks was filled in late January 2014 and I now have a large stock pile of all sizes of 2-bladed freewheelers up to 13 inches. We have filled orders for 3-bladed props, 4-bladed props, left handed props, right-and-left handed pairs, and several Old Time folders. We are, for all intents and purposes, in full production.

In December and January, we sent out communications requesting sponsorships from all modelers. I am pleased to say that, even considering the short duration and the overlap of the holiday season, many modelers were willing to help out and provided more money than I imagined; enough to cover the expenses of moving, which were not insignificant. I'd like to thank the following for their generous contributions. If it weren't for the help of these people, this could not have happened so quickly. We truly appreciate it.

William Carson (TX), Dave Mitchell (DC), J Conkling (KS), Don DeLoach (CO), Dan Driscoll (VA), Haoyang Wang (CA), Sam Burke (Ontario), Walter Hall (FL), Tim Horne (England), Scot Dobberfuhl (OR), Free Flight Quarterly Newsletter, Roy Courtney (NC), Pat Murray (IN), Rich Beltz (PA), Gizmo Geezer (Saskatchewan), Karl Gies (MT), Patricia Bredehoft (MI), Rick Pendzick (NY), Thomas A. Bredehoft (WV), Roger LaPrelle (WA), Pensacola Free Flight Team (FL), George White (FL), Vance Gilbert (MA), Howard Funnell (England), John Bredehoft (AL), Henry Frautschy (WI), Bert Hudson (TX)

George Bredehoft
Shorty's Basement
7686 B Drive South
Battle Creek Michigan 49014
269-339-9795
www.volareproducts.com
www.shortysbasement.com
shortysbasement@gmail.com



SHORTY'S BASEMENT
Free Flight Model Airplane Supplies and Kits
George & Pat Bredehoft
7686 B Drive South
Battle Creek, MI 49014

We accept Cash, Checks, Major Credit Cards, PayPal

269-339-9795
www.shortysbasement.com
shortysbasement@gmail.com

VOLARE PRODUCTS
Free Flight Scale Model Airplane Plans





The Clodbusters & The Balsa-Bugs

In conjunction with
The Michigan Indoor Aircraft Association

Present
The 2014



Indoor Fling

MIAA
Michigan Indoor Aircraft Association
A. M. A. Charter Club 5064

An AMA Sanctioned Class AAA Contest
AMA Category III Ceiling

Sunday, May 4, 2014
Ultimate Soccer Arena

867 South Blvd E, Pontiac MI
2 miles south of the Silverdome

Flying

9:00AM- 5:00PM*

Flying Floor split in half.

South End for FAC - North End for AMA*

Contest Director
Dan Olah 248-542-8144
danielolah@wowway.com

Event Managers

FAC- Mike Welshans 248-545-7601

Mbwelshans@aol.com

AMA - Paul Crowley 586-294-1236

usa2298@comcast.net

Entry Fees:

\$30.00 post marked by April 25

\$35.00 at door

Special Entry Fee! { Junior Entrants
Science Olympiad
Junior Phantom Flash
\$1.00

Spectators - FREE!

Send Check or Money order to
Dan Olah

25436 Wareham Drive
Huntington Woods MI 48070

AMA EVENTS

Standard Cat Glider*	218
Unlimited Cat Glider*	219
Hand Launched Glider*	212
Manhattan Cabin	205
Limited Penny Plane	208
Penny Plane	207
Bostonian	215
F1L Easy B	217
Mini Stick + MS ML	220
Inter Stick	202
F1D (no rounds)	203

* Glider flown only 9:00 AM - 10:30 AM
at the same end as scale

Phantom Flash for Juniors Separate Awards

Phantom Flash kits Available at
Prop Shop Hobbies, Inc. - "Your Complete Model Shop"
23326 Van Dyke Ave. Warren, MI 48089
586-757-7160 propshophobbies.com
Carlton Hobbies - "We make hobbies affordable."
8194 Cooley Lake Road
White Lake, MI 48386
248-360-4910 carltonhobbies.com
Flight Line Hobbies
1192 S Lapeer Rd, Lake Orion, MI 48360
248-814-8359 www.flightlinehobby.us
Retro RC - Vintage & Retro Model Aeroplane Kits
PO Box 193 Keego Harbor, MI 48320
248-212-9666 - retrorc.us.com
Volare Products - Shorty's Basement
Pinkham Field Victory Model plans and kits
269-339-9795 volareproducts.com

FAC EVENTS

- 1 FAC Peanut Scale
- 2 FAC Scale
- 16 FAC Dime Scale
- 17 FAC No Cal
- 18 FAC Phantom Flash
- 19 FAC Embryo
- 24 FAC Goodyear Racers
- 25 FAC WW-I ML
- 26 FAC WW-II ML
- 98 Pinkham Field Stick**
- 99 Pinkham Field Victory Models**
Junior Phantom Flash

All FAC Events flown to 2014 FAC Rules
** No Kanones for these unofficial events

See Registration Form for map to site and details of events.



A wonderful site with a 72' center ceiling and 40' at the walls.
The Arena is on South Blvd. E. (20 Mile Rd.) just west of Opdyke Rd. on the northwest corner.
Food Services on Site.
Floor area is equal to a full size soccer field plus!
Eight AMA CATEGORY III Records Were Set Here in 2012!

2014 INDOOR FLING

An AMA Sanctioned Class AAA Contest
Sanction Number 14-xxx

Presented By: Clodbusters Model Airplane Club of Michigan & The Detroit Balsa-Bugs
In conjunction with: The Michigan Indoor Aircraft Association

Official Registration Form

Name _____ AMA # _____
Address _____
City _____ State _____ Zip _____

____ Yes, I would like to be on the Clodbuster Official Email List _____
Email Address Here Please Print Legibly.

Entry Fees:

\$30- post marked by April 25
\$35- at door

Special Entry Fee! { Junior Entrants
Science Olympiad
Junior Phantom Flash
\$1.00

Contest Director
Dan Olah 248-542-8144

Event Managers
AMA-Paul Crowley 586-294-1236
FAC-Mike Welshans 248-545-7601

Make check payable to:
Clodbusters Model Airplane Club
Send by April 25, 2014 to:
Dan Olah
25436 Wareham Dr.
Huntington Woods, MI 48070-1604

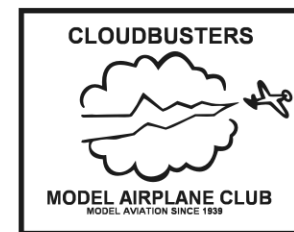
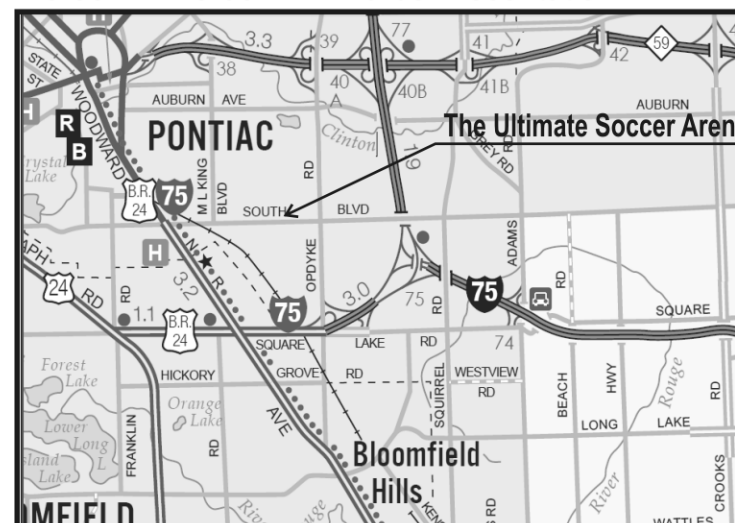
When: Sunday, May 4 from 9:00 AM to 5:00 PM
Where: Ultimate Soccer Arena
867 South Blvd E,
Pontiac MI
2 miles south of the Silverdome

Event Schedule:

8:00 AM Registration
9:00 AM-10:30 AM FAC Scale Events Judging
9:00 AM-5:00 PM Open flying for all events.

Mass Launches: 12:00 Noon - WW-I,
1:00 PM - WW-II,
2:00 PM - Mini-Stick
3:00 PM - Goodyear Racers

All official flight times must be turned in by 5:00 PM
5:30 PM - 6:00 PM Awards Presentation



Michigan Indoor Aircraft Association
A. M. A. Charter Club 5064



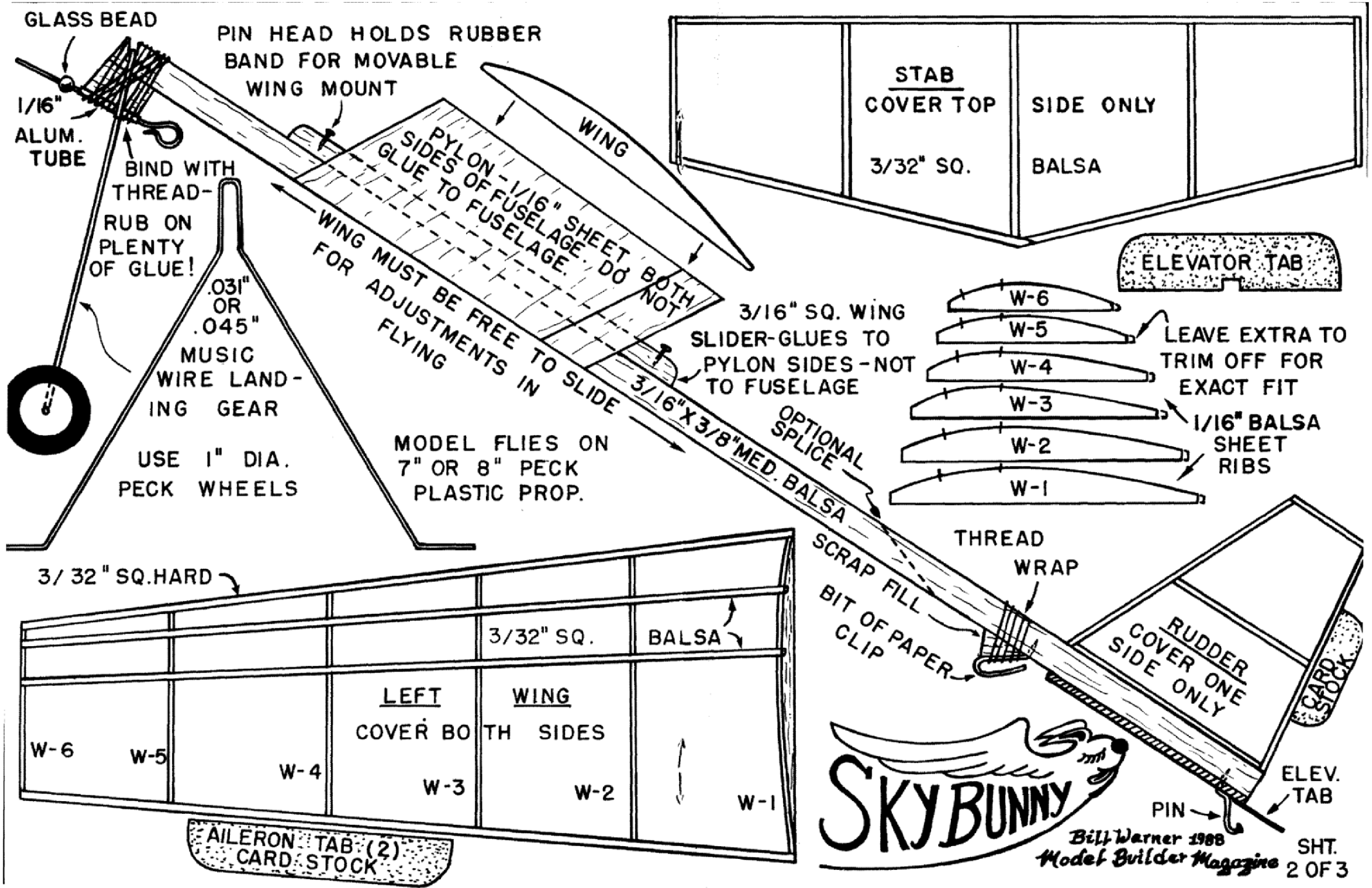
All AMA Events will be flown to current AMA Rules
for Indoor Free Flight.
<http://www.modelaircraft.org/events/compreg.aspx>

All FAC Events will be flown to current FAC Rules.
<http://www.flyingacesclub.com/FACrules3.html>

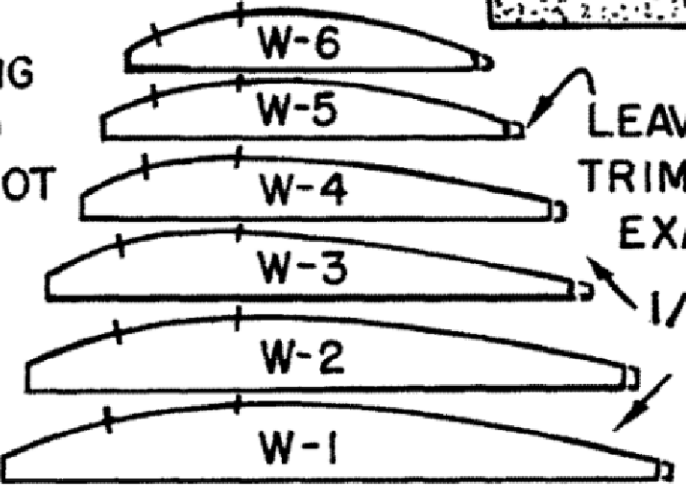
Email mbwelshans@aol.com for Pinkham Field Rule Book in PDF Format.

Phantom Flash for Beginners flown to current FAC Rules.

**All decisions of Event Managers Are Final.
Please make sure your models qualify
to the current rules.**

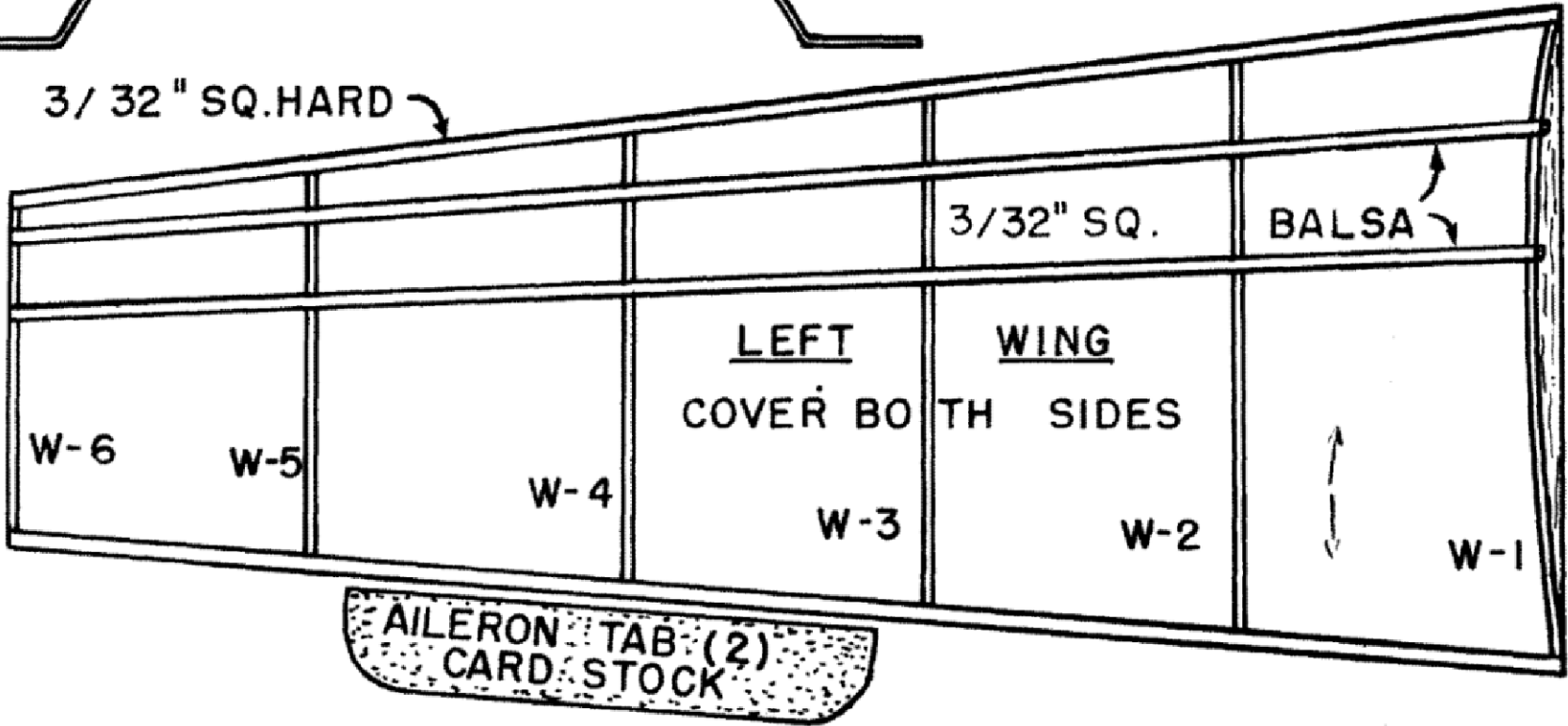


STAB COVER TOP	SIDE ONLY
3/32" SQ.	BALSA



LEAVE EXTRA TO TRIM OFF FOR EXACT FIT

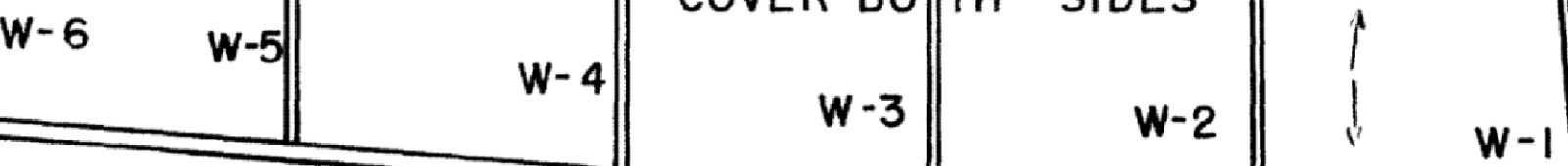
1/16" Balsa SHEET RIBS



3/32" SQ. HARD

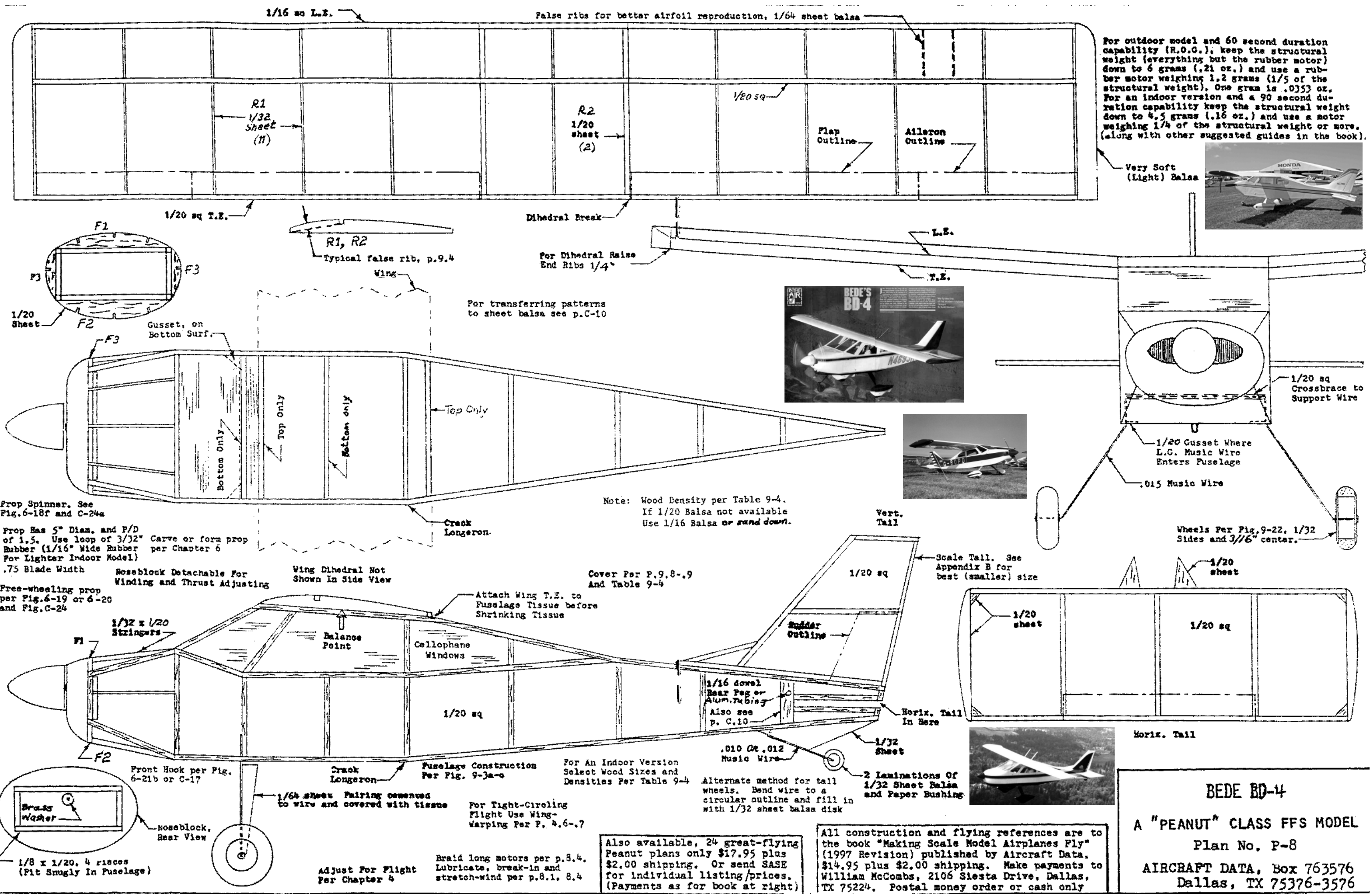
3/32" SQ. BALSA

LEFT WING
COVER BOTH SIDES



AILERON TAB (2)
CARD STOCK





For outdoor model and 60 second duration capability (R.O.C.), keep the structural weight (everything but the rubber motor) down to 6 grams (.21 oz.) and use a rubber motor weighing 1.2 grams (1/5 of the structural weight). One gram is .0353 oz. For an indoor version and a 90 second duration capability keep the structural weight down to 4.5 grams (.16 oz.) and use a motor weighing 1/4 of the structural weight or more. (along with other suggested guides in the book).



Prop Spinner. See Fig.6-18f and C-24a
 Prop Has 5" Diam. and P/D of 1.5. Use loop of 3/32" Carve or form prop Rubber (1/16" Wide Rubber per Chapter 6 For Lighter Indoor Model) .75 Blade Width
 Noseblock Detachable For Winding and Thrust Adjusting
 Wing Dihedral Not Shown In Side View

Free-wheeling prop per Fig.6-19 or 6-20 and Fig.C-24
 Front Hook per Fig. 6-21b or C-17
 Brass Washer

1/8 x 1/20, 4 pieces (Fit snugly in Fuselage)

Adjust For Flight Per Chapter 8

Braid long motors per p.8.4. Lubricate, break-in and stretch-wind per p.8.1, 8.4

Also available, 24 great-flying Peanut plans only \$17.95 plus \$2.00 shipping. Or send SASE for individual listing/prices. (Payments as for book at right)

All construction and flying references are to the book "Making Scale Model Airplanes Fly" (1997 Revision) published by Aircraft Data, \$14.95 plus \$2.00 shipping. Make payments to William McCombs, 2106 Siesta Drive, Dallas, TX 75224. Postal money order or cash only

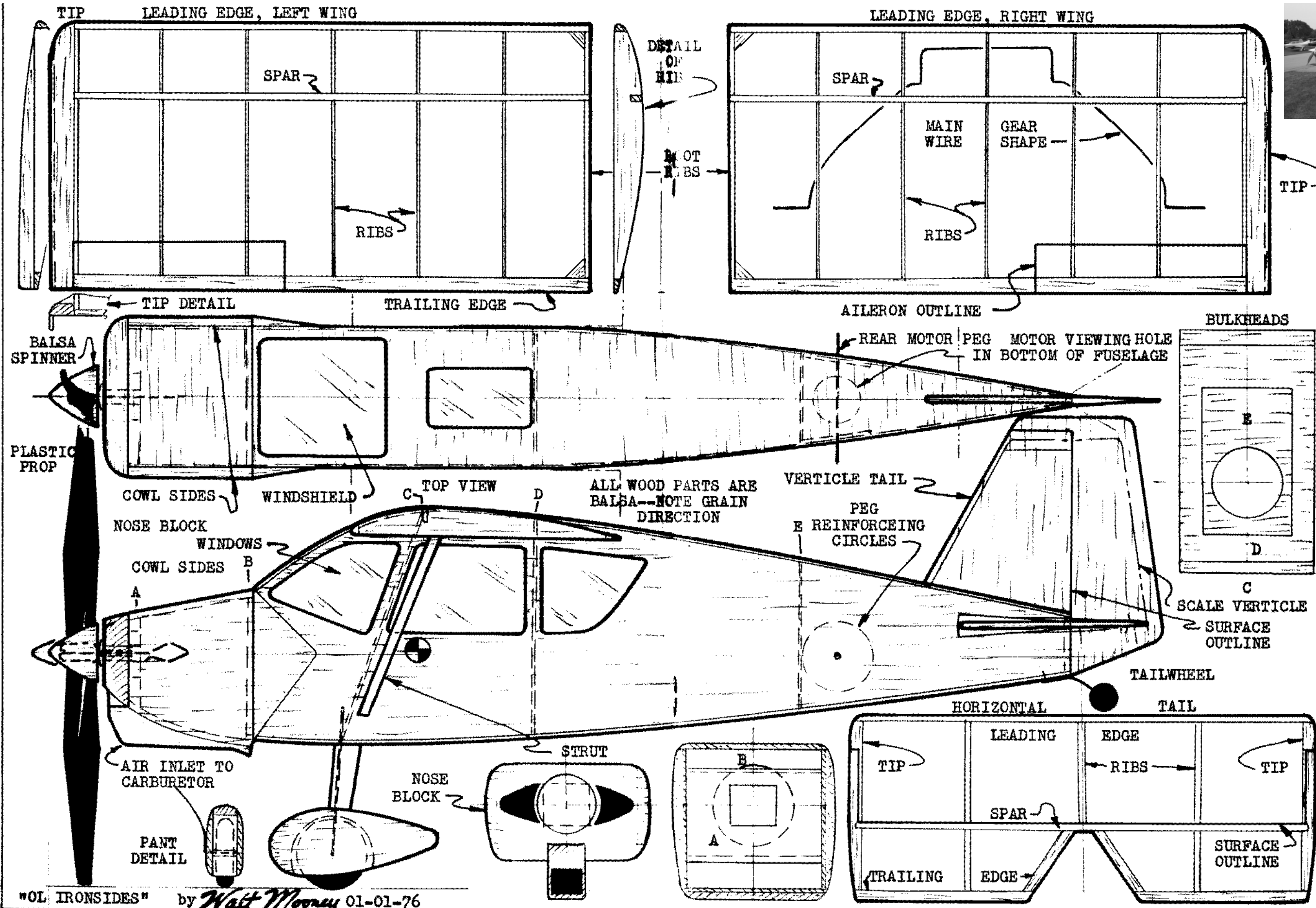
Note: Wood Density per Table 9-4. If 1/20 Balsa not available Use 1/16 Balsa or sand down.

Cover Per P.9.8-9 And Table 9-4

For An Indoor Version Select Wood Sizes and Densities Per Table 9-4

For Tight-Circling Flight Use Wing-warping Per P. 8.6-7

BEDE BD-4
 A "PEANUT" CLASS FFS MODEL
 Plan No. P-8
 AIRCRAFT DATA, Box 763576
 Dallas, TX 75376-3576



To see how this one flies, go to YouTube.com. search for merlin2360 then look for the video of Ol Ironsides. Be sure to turn the sound up.

"OL IRONSIDES" by *Walt Mooney* 01-01-76