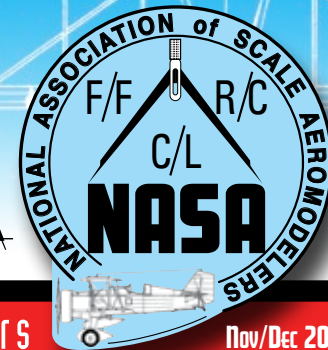


# REPLICA



Newsletter of the National Association of Scale Aeromodelers

Nov/Dec 2012

## President's Notes

Last week was absolutely beautiful here in the Midwest. It was so nice the 46 Aeronca and I as PIC decided to visit some old grass strips with restaurants of course. The airport was buzzing with pilots that had the same idea, a couple of hours of flying, and then clean the plane for what could be a long winter's nap. The weather forecasts for next week are not too promising for either flying or concrete construction. Looks like some indoor shop time to resume building on an old project or a good time to start a new one for next seasons contests.

I am progressing slowly on my Top Gun entry for 2013. It is hard to believe this will be the twenty-fifth anniversary of Frank's event. We have few contests that have lasted that long, only the Nat's and Mint Julep come to mind.

I am planning a scale event in August at our club field in Columbus Ohio. The club has given their support to the two day event, the Columbus Scale Challenge; the dates are August 17-18 2013. Our club web site is [www.WMAA-WAGS.org](http://www.WMAA-WAGS.org). This site will give you all the information about the field and directions. We will offer all AMA classes and a special sub-novice class Saturday only for the "beginner" beginners in scale competition. I will have a Saturday evening hangar party at my house, just a couple of miles from the field, for pilot's workers and guests. Electric flying is encouraged.

The Nat's last year was one of the best ever. Under the guidance of Jim Martin (event director) and Shannon Ort (party planner and auction coordinator) everyone had a great time. The event was well attended and weather was superb. Try to attend the 2013 Nat's planning has already begun to make it even better.

While planning your travels for next season don't forget the Mint Julep will be at a new venue. Dale and company will have the contest at the Ohio River Valley Flyer field in Rosewood In. Their field is one of the finest in the country and the club is supportive of scale events. They hosted the Scale Masters Championships in September of 2012. The Mint Julep dates are June 8-9 2013. This will be the 40th annual.

The 2013 Nat's dates are July 12-13-14, 2013 and the site is of course the AMA site in Muncie Indiana. The Toledo show sponsored by the Weak Signals Club will be April 12-13-14 2013 at the SeaGate Center. NASA will have a booth and it will be manned by some of our Control Line Scale and Helicopter Scale competitors. They will be on hand to answer questions and sign you up for your 2013 NASA membership. The whole NASA family will be there to help with the weekend activities. John Boyko and I will again host our symposium on scale building,

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on the back page  
and mail it in  
today!

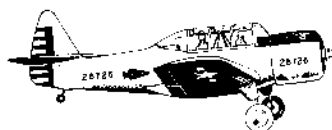
the first hour, and scale flying the second hour. Last year it was one of the most attended symposiums at the show. Maybe scale is not dead, and a revival is as easy as helping a new person interested in scale or an old one that needs the fire rekindled.

Lastly, don't forget your 2013 dues. We need your support both monetarily and physically to help strengthen and promote NASA and our events.

Well back to the shop for another hour or so on the T-34-B, Top Gun isn't too far away.

Thank You all for your NASA support

**MIKE BARBEE**  
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# 12 Inches to the Foot

Well as a few of you know, we've been to many scale competitions through the years. Everything from the Scale World Championships, Scale Masters, AMA Nationals, as well as the Top Gun Invitational. But we had never been to a scale fly-in like the one we attended the last week of September. It was Warbirds Over the Rockies, but why was it so special or different?

Well there were several reasons it was a success: the great site, the local club who ran everything from the parking lot to the flight lines, great weather, and a location just north of Denver, Colorado.

This was the 7th year the club held the event, so they were comfortable with the demands of this yearly event. With the success of the event also comes the benefits of being able to upgrade the flying site, pits, over fly and parking areas which helps everyone for the rest of the year.

But the over-riding factor in my humble estimation is a benefactor using good business sense and contacts with the media to draw out the spectators to the event on a yearly basis. With this spectator base, the event drew 170 pilots and approximately 300+ warbirds this year.

For more information check out your next issue of Model Aviation magazine.

But why have something about this event here? Well we can learn from it. There are lots of good ideas we can glean from other events like Warbirds Over the Rockies and from Top Gun for that matter.

First of all, I would say bend over backwards for the sponsors and make them know that we appreciate what they do for NASA. Our event directors at this past year's Nationals did a good job of that without a doubt. I do wish we had a NASA PR person (I'm not applying either) but someone who could get the message out to the local news as well as national news about what we do and where and when they can see NASA sponsored events.



Warbirds Over the Rockies was a themed event - if you didn't have a warbird you couldn't fly, period! Maybe we could have a scale fly-in at AMA headquarters (or at another site) sometime during the year. Set a budget for it, line up sponsors and it

only takes a minimum of officials unless we get so big we need traffic control.

Thoughts? Suggestions? Electric scale, warbirds, Dawn Patrols, there are many different themes that could be used to stimulate modelers in different areas around the country to participate.

There were modelers at that event from as far away as the east coast and I can tell you that's a pretty long haul.

Scale is a smaller fraternity in the aeromodeling scene

and we all need to stick together including Free Flight Scale, Control-Line Scale and R/C scale. We had some people trying to separate the different parts a few years ago and we all said this to AMA: "Scale with Scale". It was true then and it's definitely true now. What sort of scale event can you come up with for one or more of the parts of our group of scale modelers?

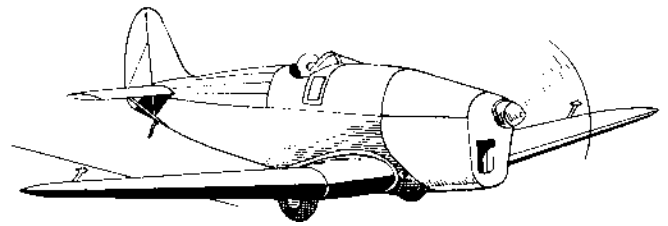
Merry Christmas!

**STAN ALEXANDER**  
onawing4602@att.net



## 21 Ways to Kill Your Club

1. Don't attend meetings, but if you do, arrive late.
2. Be sure to leave before the meeting is over and make sure everyone hears you leave.
3. Sit in the back so you can talk with other members during the meeting.
4. Never have anything to say at meetings; wait until you get outside, then always be negative.
5. After meetings, find fault with club officers and fellow members.
6. Hold back your annual dues as long as possible, or better yet, don't pay at all.
7. Never accept an office or serve on a committee. It is much easier to criticize than to do.
8. When everything else fails, abuse the club's officers.
9. Don't bother enlisting new members; let the others do it all.
10. At meetings, agree to everything, then go home and do nothing.
11. Don't tell the club how its policy can help you, but if it doesn't help you, tell everyone else it's useless.
12. Do nothing more than what's necessary, but when other members roll up their sleeves and willingly use their ability to help matters along, complain that the club is being run by a clique or dictator.
13. Talk cooperation but never cooperate.
14. Get all that the club has to give but give nothing in return.
15. Threaten to leave the club if something isn't the way you want it.
16. If you're asked to help, always say you don't have time.
17. Never read any mailings or seek information. You might find out what's going on.
18. If appointed to a position, never devote any time to it. Let someone else do it all.
19. Overlook your own shortcomings and concentrate on what they are not doing.
20. Repeat all the unpleasant things about your club to anyone who will listen.
21. Always criticize club officers whenever the opportunity arises.



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## NASA Member Projects Online

Take a few minutes to send us a bit of information on your latest project. We're featuring NASA member's scale projects online in our blog. It's new, and to get an idea of what we're looking for, visit the NASA site and click on the Members Projects link at the top of any page. Or you can visit this section at the following address:

<http://nasascale.wordpress.com>



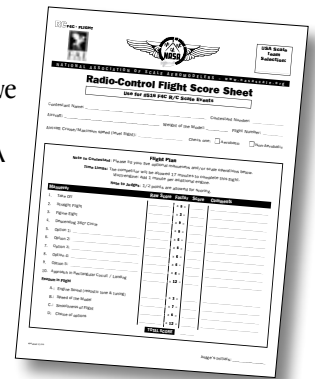
All we need is a paragraph or two about your project. Include the name of the model, the type of power, radio brand, and details of any special features you're incorporated. Attach nice, high-rez photos and we'll get it online!

To submit your projects, e-mail the info to: [info@nasascale.org](mailto:info@nasascale.org)

[www.NasaScale.org](http://www.NasaScale.org)

### NASA NEWS AND INFORMATION ON THE INTERNET

If you have internet access, you owe it to yourself to visit NASA's web site - [www.nasascale.org](http://www.nasascale.org). The NASA site was designed from the start to be the only place you need to go to find out everything that's happening in the world of scale aeromodelling - whether it's here on the National front, or on the International front - the domain of the FAI.



### COMPETITION DOCS/FORMS

This is one of the more exciting features of the web-site. We have all the competition forms and documents for scale competition online in pdf form. Not only are the documents up-to-date, but we now have two versions of each.

One is the regular pdf that we invite contest directors to download and printout for use in their contests.

The second (and more exciting) version of the form is the "intelligent" form. Using this version and an up-to-date version of Adobe's Acrobat Reader, you can fill out all your information using your computer, then pre-print copies to take to your next scale event: information about yourself, your plane and your maneuvers/options. All AMA rule book maneuvers/options (as spelled out in the current AMA rule book) can be selected from pull-down menus; right on the .pdf. Imagine not having to spend time at your next contest filling out forms!

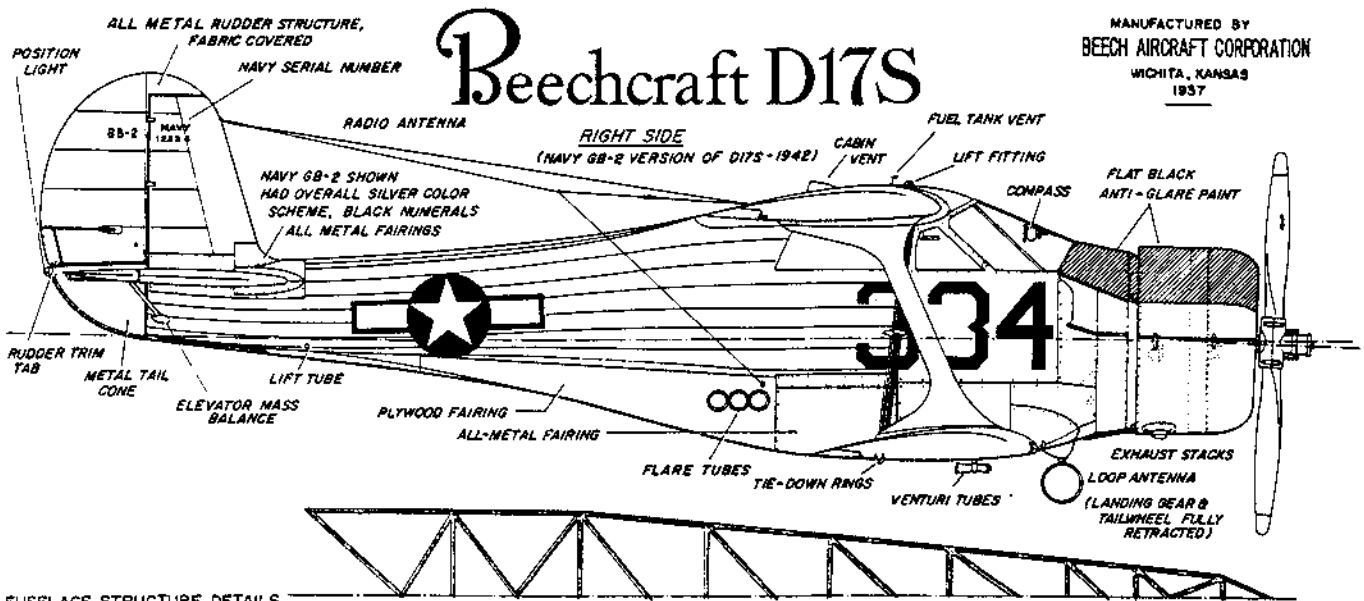
Oh, one more thing - the forms do NOT allow you to fill in your own scores! Sorry - some things are best left up to the judges!

The forms are online now for all Control-Line and RC events - from Fun-Fly up to FAI! Download your forms today!

*If the wings are traveling faster than the fuselage, it's probably a helicopter, and therefore, unsafe.*

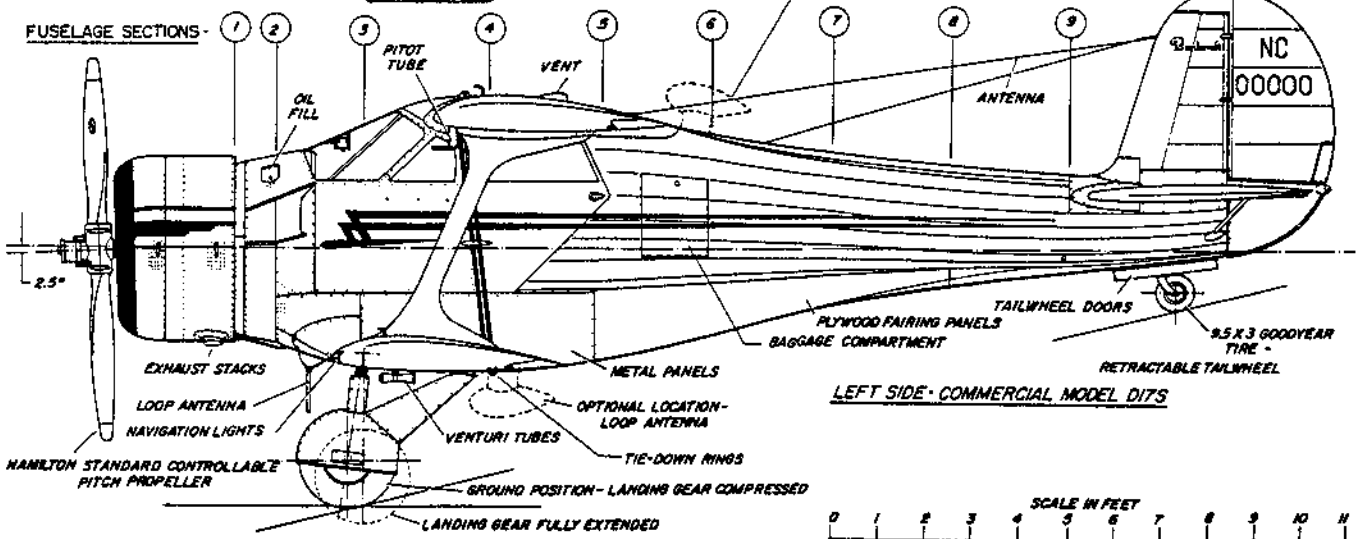
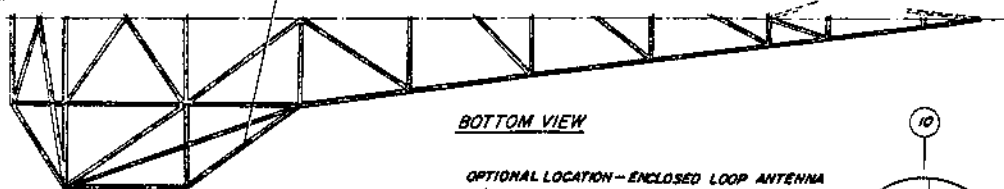
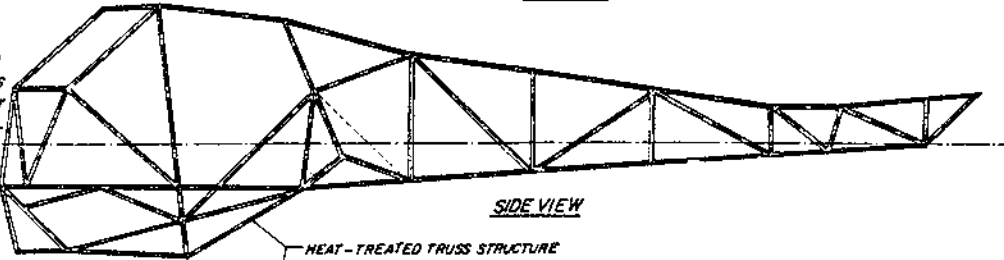


# Beechcraft D-17S Staggerwing Multi-View

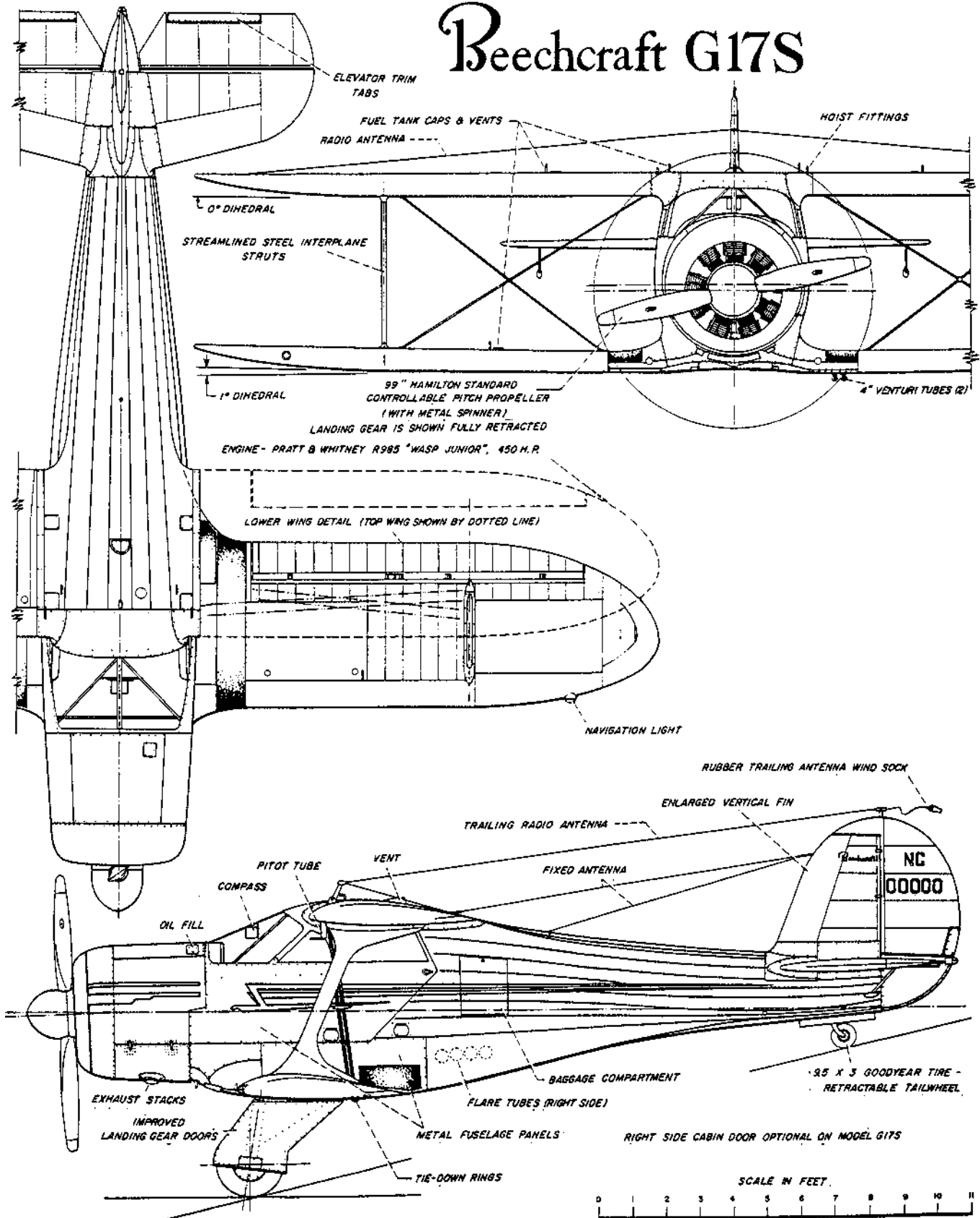


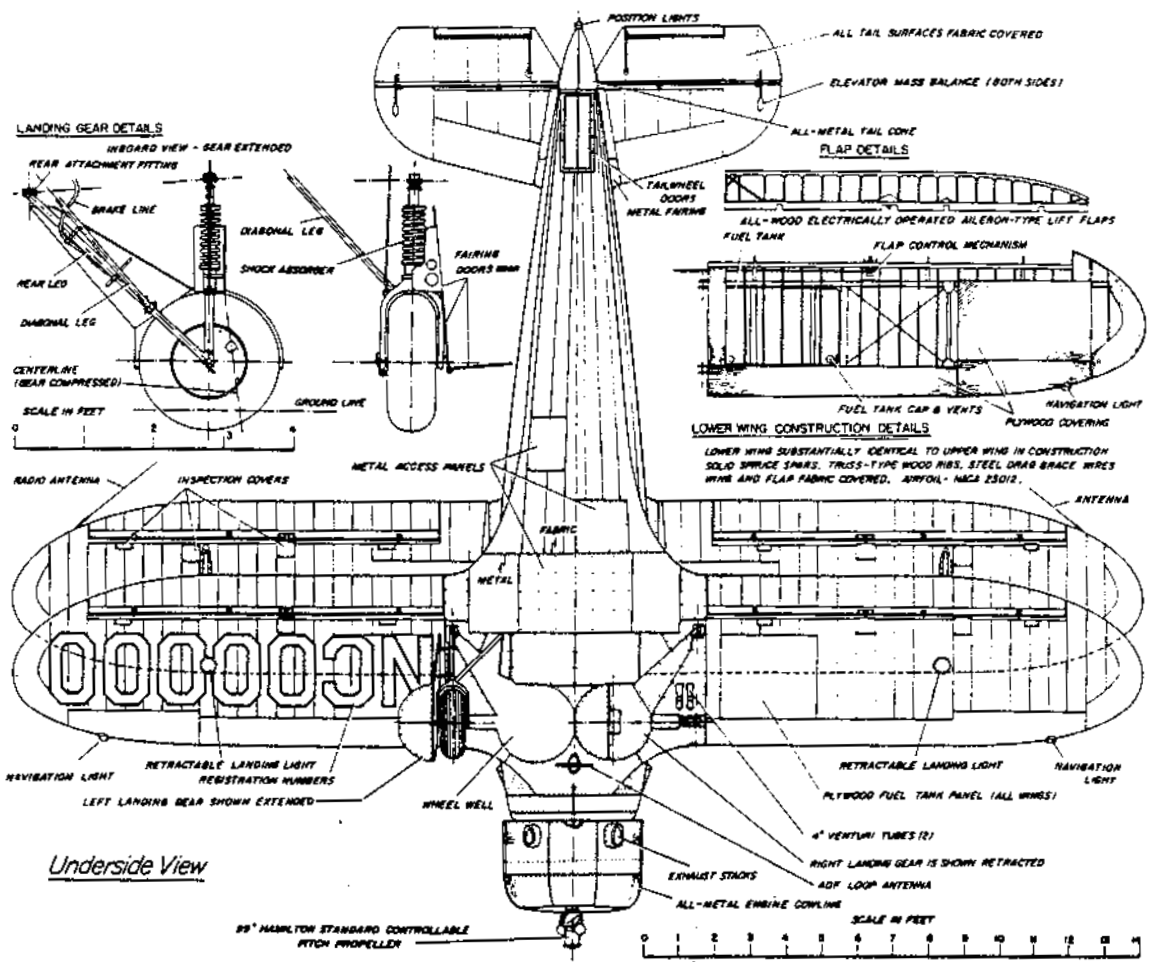
FUSELAGE STRUCTURE DETAILS

FUSELAGE FRAME WELDED CHROME-MOLYBDENUM STEEL TUBING WITH HEAT TREATED TRUSSES BELOW LOWER LONGERONS TO CARRY ALL MAIN LOADS & PROVIDE LANDING GEAR ATTACHMENT POINTS. CROSS-TUBES ARE ELIMINATED IN CABIN & BAGGAGE COMPARTMENT. FUSELAGE CONTOURS ARE FORMED BY PLYWOOD BULKHEADS & SPRUCE FAIRING STRIPS, REAR OF FUSELAGE IS FABRIC COVERED WITH PLYWOOD FAIRING PANELS. FORWARD SECTION & BELLY COVERED WITH SEMI-FIXED & REMOVABLE METAL PANELS.

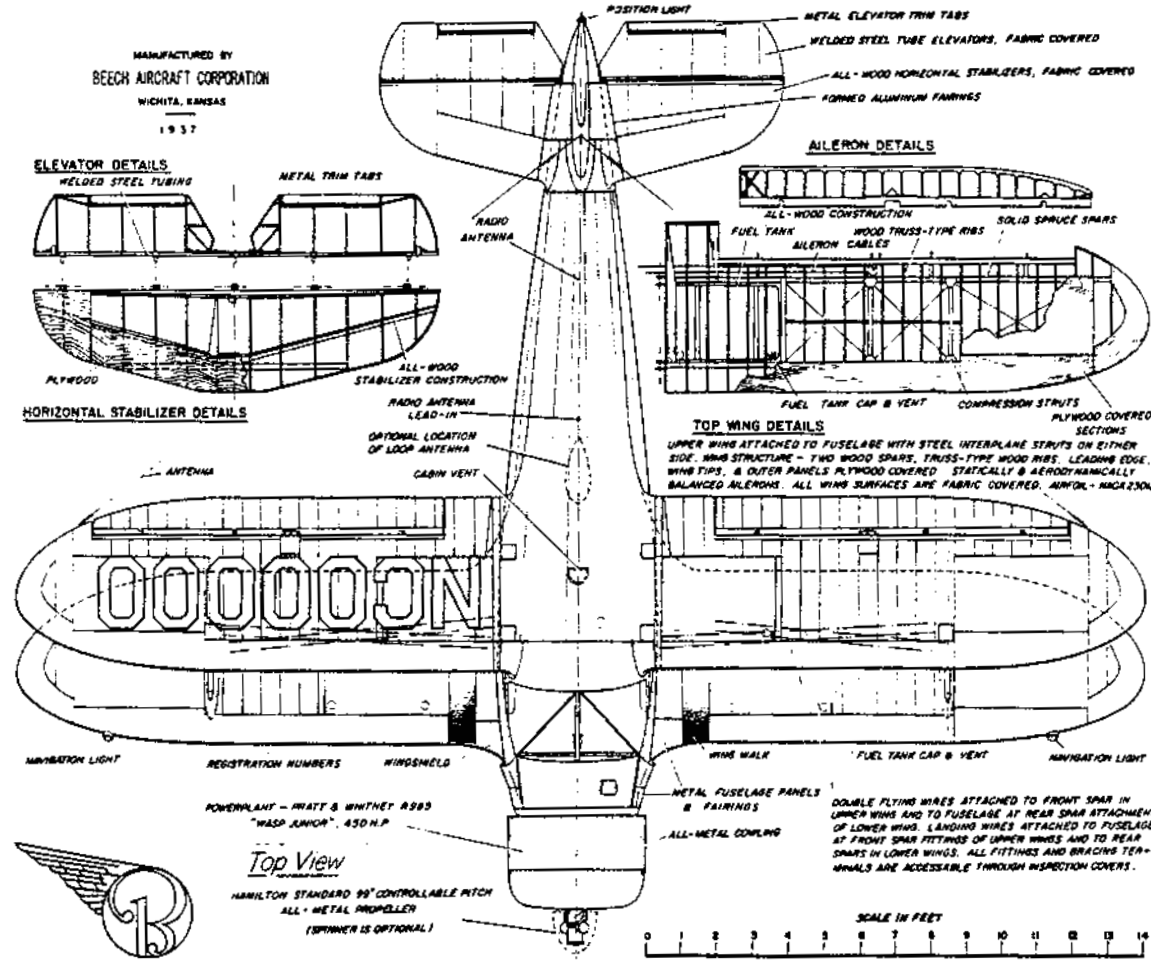


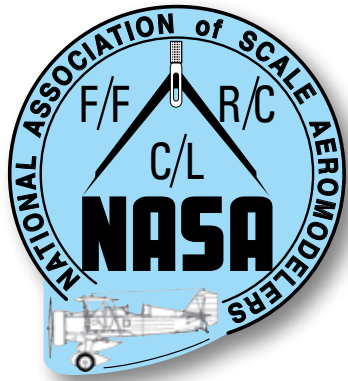
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