# "OLYMPIA-JR"

Designed By- Dan Deluca
March 1976

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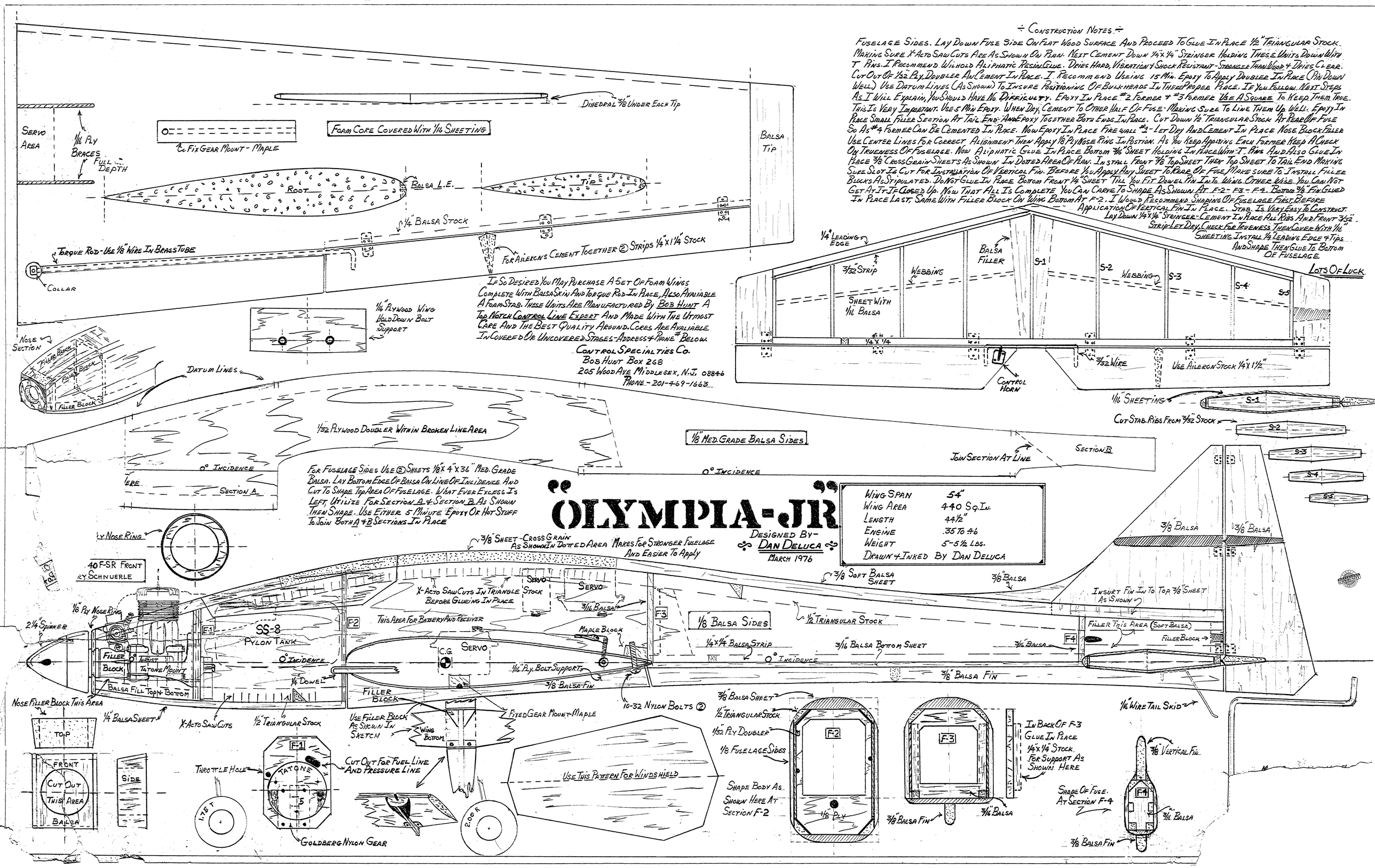
| Wing Span | 54" |
| Wing Area | 440 Sq. In. |
| Length | 44½" |
| Engine | .35 To .46 |
| Weight | 5-5½ Lbs. |

Drawn + Inked By Dan Deluca

## ÷ Construction Notes ÷

Fuselage Sides. Lay Down Fuse Side On Flat Wood Surface And Proceed To Glue In Place ½" Triangular Stock Making Sure X-Acto Saw Cuts Are As Shown On Plan. Next Cement Down ¼"x¼" Stringer Holding These Units Down With T Pins. I Recommend Wilhold Aliphatic Resin Glue. Dries Hard, Vibration + Shock Resistant - Stronger Than Wood + Dries Clear. Cut Out Of 1/32 Ply Doubler And Cement In Place. I Recommend Useing 15 Min. Epoxy To Apply Doubler In Place (Pin Down Well.) Use Datum Lines (As Shown) To Insure Positioning Of Bulkheads In Their Proper Place. If You Follow Next Steps As I Will Explain, You Should Have No Difficulty. Epoxy In Place #2 Former + #3 Former Use A Square To Keep Them True. This Is Very Important. Use 5 Min Epoxy. When Dry, Cement To Other Half Of Fuse - Making Sure To Line Them Up Well. Epoxy In Place Small Filler Section At Tail End - And Epoxy Together Both Ends In Place. Cut Down ½" Triangular Stock At Rear Of Fuse So As #4 Former Can Be Cemented In Place. Now Epoxy In Place Fire wall #1 - Let Dry And Cement In Place Nose Block Filler Use Center Lines For Correct Alignment - Then Apply 1/8 Ply Nose Ring In Postion. As You Keep Applying Each Former Keep A Check On Trueness Of Fuselage. Now Aliphatic Glue In Place Bottom 3/16" Sheet Holding In Place With T Pins And Also Glue In Place 3/8" Cross Grain Sheets As Shown In Dotted Area Of Plan. Install Front 3/8" Top Sheet Then Top Sheet To Tail End Making Sure Slot Is Cut For Installation Of Vertical Fin. Before You Apply Any Sheet To Rear Of Fuse, Make sure To Install Filler Blocks As Stipulated. Do Not Glue In Place Bottom Front ¼" Sheet Till You Fit Dowel Pin In To Wing Other Wise You Can Not Get At It If Closed Up. Now That All Is Complete You Can Carve To Shape As Shown At F-2 - F-3 - F-4. Bottom 3/8" Fin Glued In Place Last, Same With Filler Block On Wing Bottom At F-2. I Would Recommend Shaping Of Fuselage First, Before Application Of Vertical Fin In Place. Stab. Is Very Easy To Construct. Lay Down ¼"x¼" Stringer - Cement In Place All Ribs And Front 3/32" Strip - Let Dry, Check For Trueness Then Cover With 1/16" Sheeting. Install ¼" Leading Edge + Tips And Shape Then Glue To Bottom Of Fuselage.

Lots Of Luck