

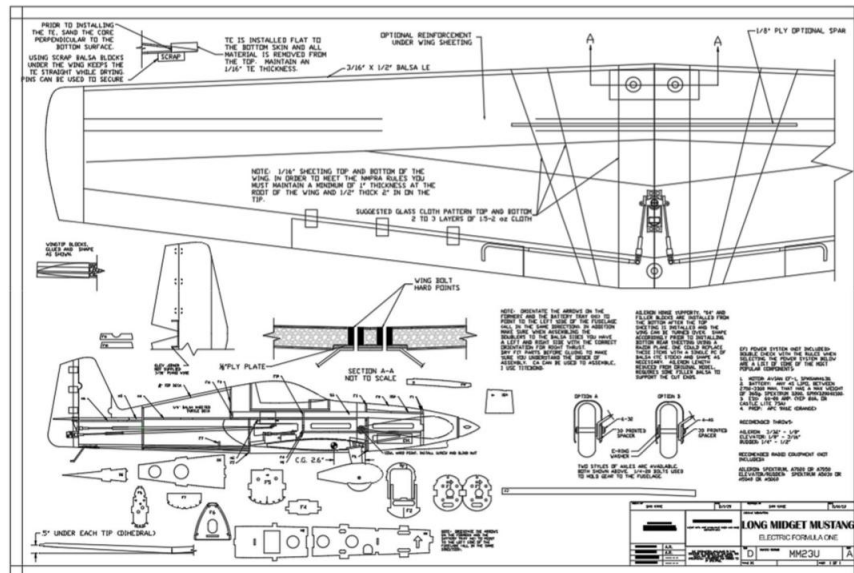
4/9/26: MIDGET MUSTANG DESIGNED BY: DAN KANE FOR EF-1

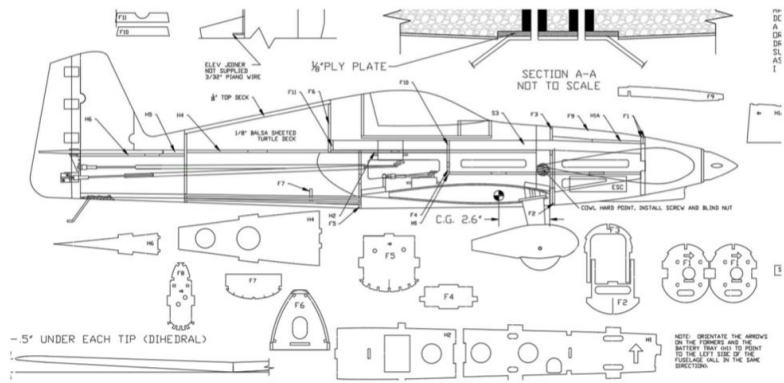
Two versions are to be submitted for consideration. The first utilizes a standard dural style gear. The full size airplane is represented below.



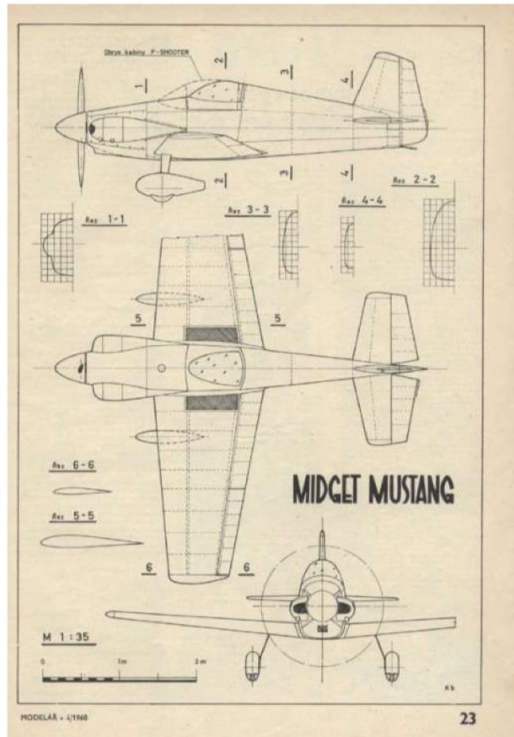
Full Scale dural style gear.

EF-1: Dural gear version is shown on the plans below.





Isolated view of the fuselage for the Dural gear version. The same fuselage is used for both models.



This 3 View of the full scale airplane shows the second version with a wider gear stance with wing mounted gear legs.

TO INSTALLING SAND THE CORE HOLLOW TO THE BOTTOM SURFACE. Balsa blocks hit while drying. USED TO SECURE

IT IS INSTALLED FLAT TO THE BOTTOM SKIN AND ALL MATERIAL IS REMOVED FROM THE TOP, MAINTAIN AN 1/16" THICKNESS.

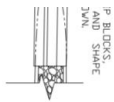
OPTIONAL REINFORCEMENT UNDER WING SHEETING

3/16" X 1/2" BALSA LE

1/8" PLY OPTIONAL SPAR

NOTE: 1/16" SHEETING TOP AND BOTTOM OF THE WING IN ORDER TO MEET THE AMPRA RULES YOU MUST MAINTAIN A MINIMUM OF 1" THICKNESS AT THE ROOT OF THE WING AND 1/2" THICK 2" IN ON THE TIP.

SUGGESTED GLASS CLOTH PATTERN TOP AND BOTTOM 2 TO 3 LAYERS OF 15-2 OZ CLOTH



WING BOLT HARD POINTS

SECTION A-A NOT TO SCALE

NOTE: ORIENTATE THE ARROWS ON THE FUSELAGE AND WING HARD POINT TO THE LEFT SIDE OF THE FUSELAGE GALL IN THE SAME DIRECTION. IN ADDITION DOUBLERS TO THE BALSA STICS YOU HAVE A LEFT AND RIGHT SIDE WITH THE CORRECT DER FIT PARTS BEFORE GLUING TO MAKE SURE YOU UNDERSTAND THE ORDER OF ASSEMBLY. CA CAN BE USED TO ASSEMBLE. USE TIEBAND.

ALTERN HINGE SUPPORTS, "SC" AND "S" ARE AVAILABLE FROM THE BOTTOM OF THE TOP SHEETING IS INSTALLED AND THE BOTTOM REAR SHEETING USING A Balsa glue stick. IN ADDITION THESE TIE WITH A SINGLE PC OF BALSA TIE STICKS AND SHAPE AS REQUIRED FROM ORIGINAL MODEL. SUPPORT THE CUT ENDS.

LEFT POWER SYSTEM NOT INCLUDED. SELECTING THE POWER SYSTEM BELOW ARE A LIST OF SOME OF THE MOST POPULAR COMPONENTS:

1. MOTOR: AVIAN EF-1, SPARKMAG33
2. ESC: 3000 MAH THAT HAS A MAX HEIGHT OF 3850 SPEKTRUM 3200, SPARK3200X5100, CASTLE LITE 7550
3. RECEIVER: APC 9X6E (GRANGE)

RECOMMENDED THROWS:

- ALTERN: 3/32" - 1/8"
- ELEVATOR/RUDER: 1/8" - 3/16"
- RUDER: 1/4" - 1/2"

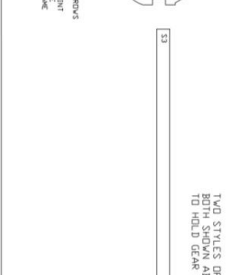
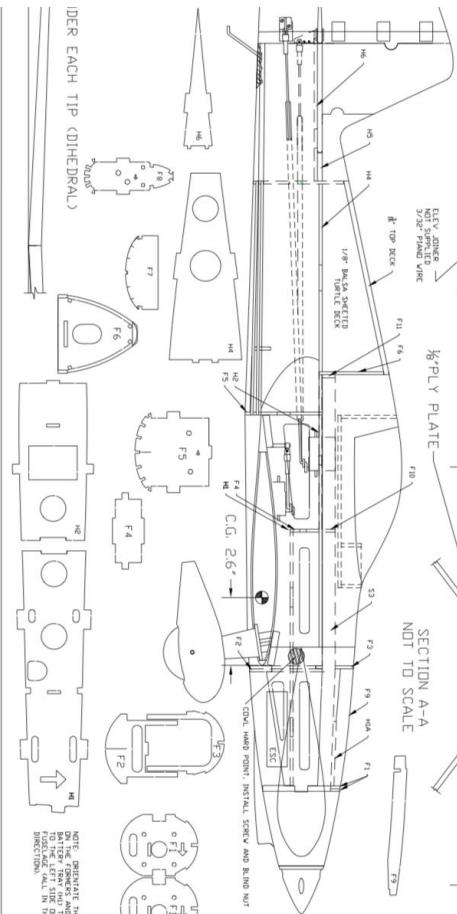
RECOMMENDED RADIO EQUIPMENT (NOT INCLUDED):

- ALTERN: SPEKTRUM A7020 OR A7050
- ELEVATOR/RUDER: SPEKTRUM A5050 OR A5040 OR A5080

OPTION A 3D PRINTED 3D SPACER 6-32 WASHER

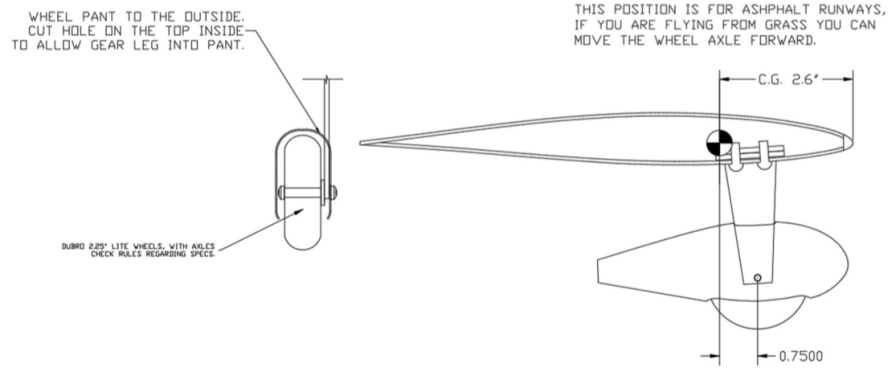
OPTION B 3D PRINTED 3D SPACER 4-40

NOTE: STAPLES OR NAILS ARE AVAILABLE TO HOLD GEAR TO THE FUSELAGE.



MODEL #	DAW NAME	DATE	DESIGNER	DAW NAME	DATE
		11/17/25			11/17/25
<p>DESIGNER'S CONTACT INFORMATION</p> <p>NAME: KATHLEEN HAYES</p> <p>ADDRESS: 11111 S. 11111 W. APT. 11111, PHOENIX, AZ 85024</p> <p>PHONE: 602-111-1111</p> <p>EMAIL: kathy@longmidget.com</p>					
<p>MODEL #</p> <p>DAW NAME</p> <p>DATE</p>					
<p>LONG MIDGET MUSTANG</p> <p>ELECTRIC FORMULA ONE</p>					
SCALE	1:10				
REV	D				A
<p>DATE: 11/17/25</p>					

Below is the second version of my submission with wing mounted gear. These gear legs will be vertical and pad mounted to the wing with a wheel spacing greater than the rules stipulate.



I am using my Shark and Déjà vu cowl on the same style fuselage. The wing is the same approved wing that is being used on my Ohm Special. Canopy and battery hatch will be common between the Déjà vu and Midget Mustang.