

**WOODHOPPER SPECIFICATIONS**

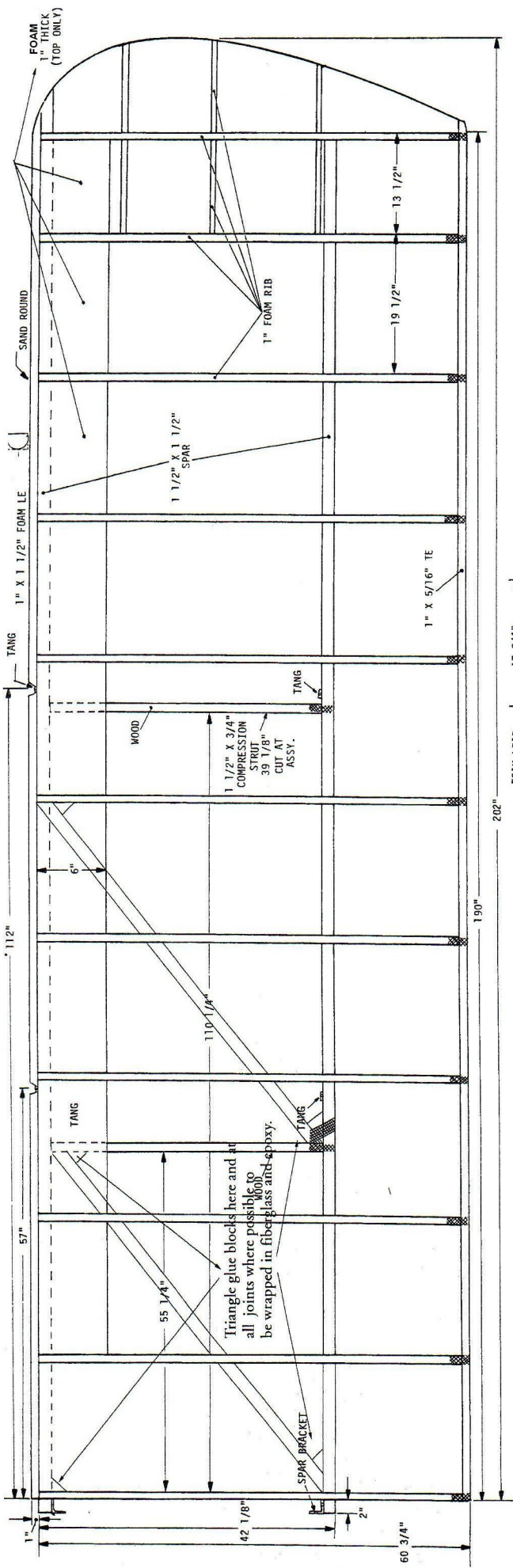
Wingspan	32 ft.
Wing area	157 sq. ft.
Length	17 1/2 ft.
Weight, empty	145 lbs.
Maximum pilot weight	200 lbs.
Cruise speed	35 mph
Redline speed	45 mph
Stall speed	20 to 24 mph
Landing speed (approach)	25 mph
Takeoff speed	26 to 27 mph
Climb speed	30 to 35 mi.
Range (with 1-gal. tank)	+3 1/2 Gs
Stress limit	15 to 30 hp
Power	80 ft. or less
Takeoff run	50 to 60 ft.
Landing roll (on grass)	10,000 + ft.
Rolling	9:1
Lift (glide ratio)	250 to 450 (p.m.)
Climb rate	24 ft./min.
Sink rate	\$700 to \$1,500*
Cost to build	250-300 hrs.
Construction time	

\*Varies with engine choice, pilot weight, weather conditions.  
 +Varies with engine choice.

DESIGNED BY JOHN CHOTIA 1978  
 DRAWN BY CARL MCGILL

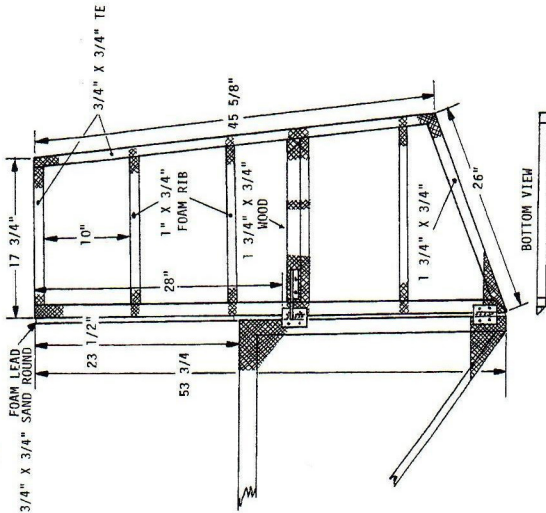
These drawings are for engineering reference and study purposes only !  
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 Structural analysis and safety engineering data is not available and may never have existed !

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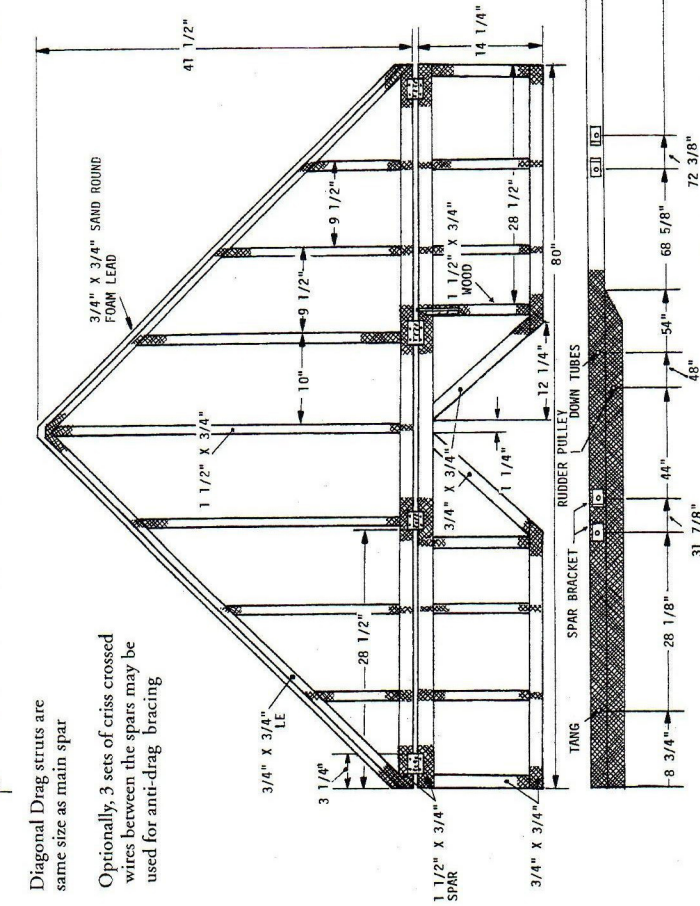
Diagonal Drag struts are same size as main spar

Optionally, 3 sets of criss crossed wires between the spars may be used for anti-drag, bracing



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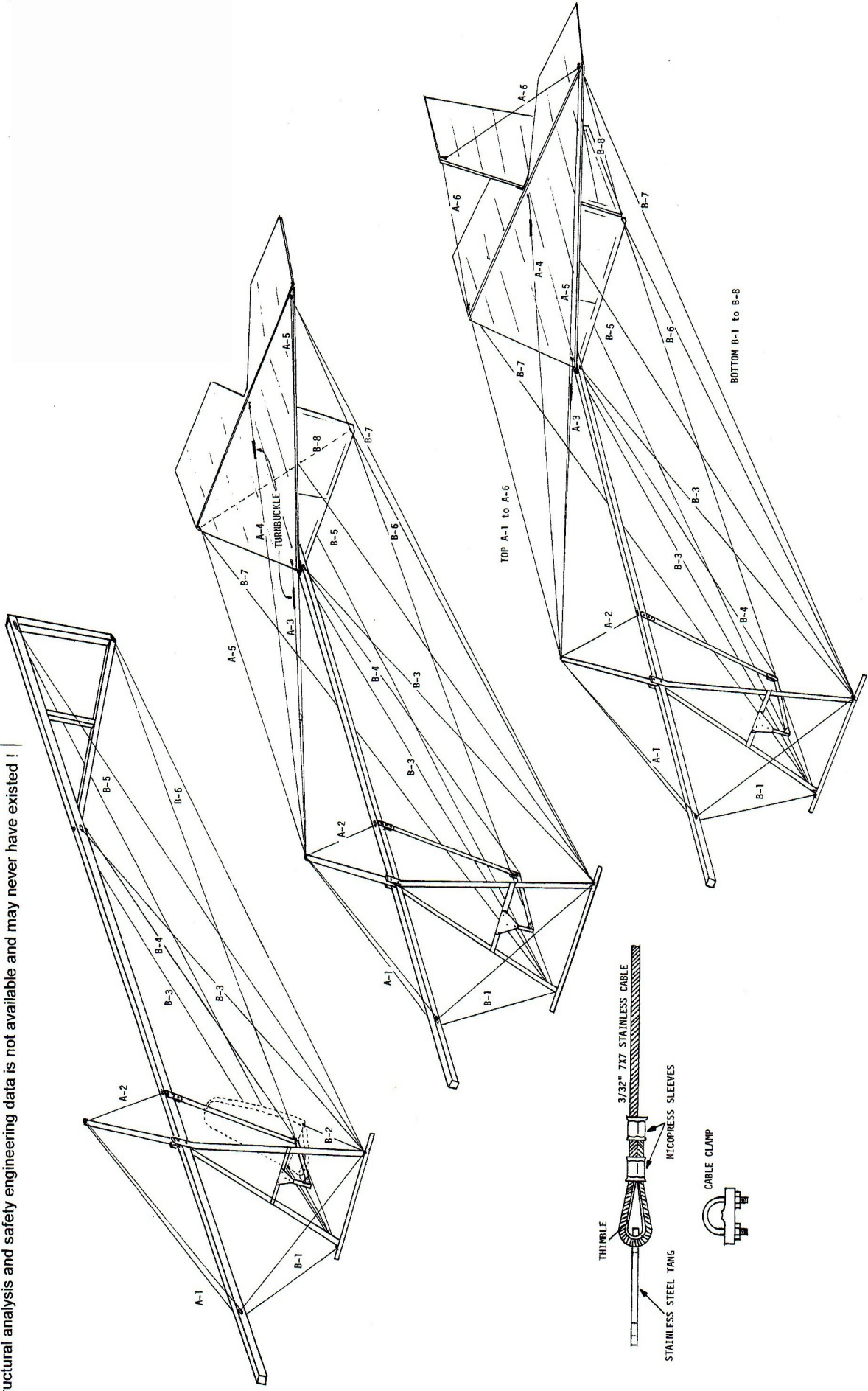
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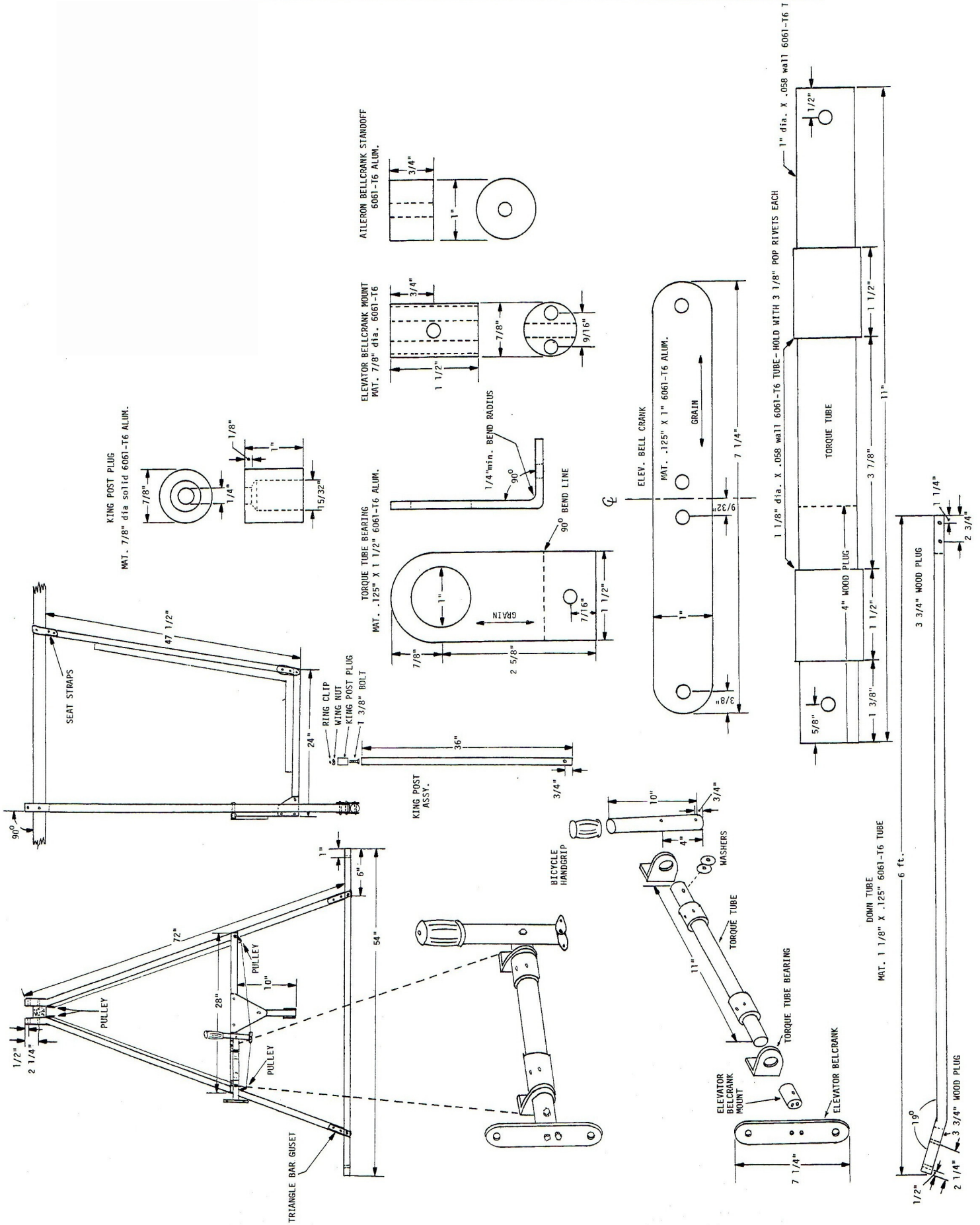


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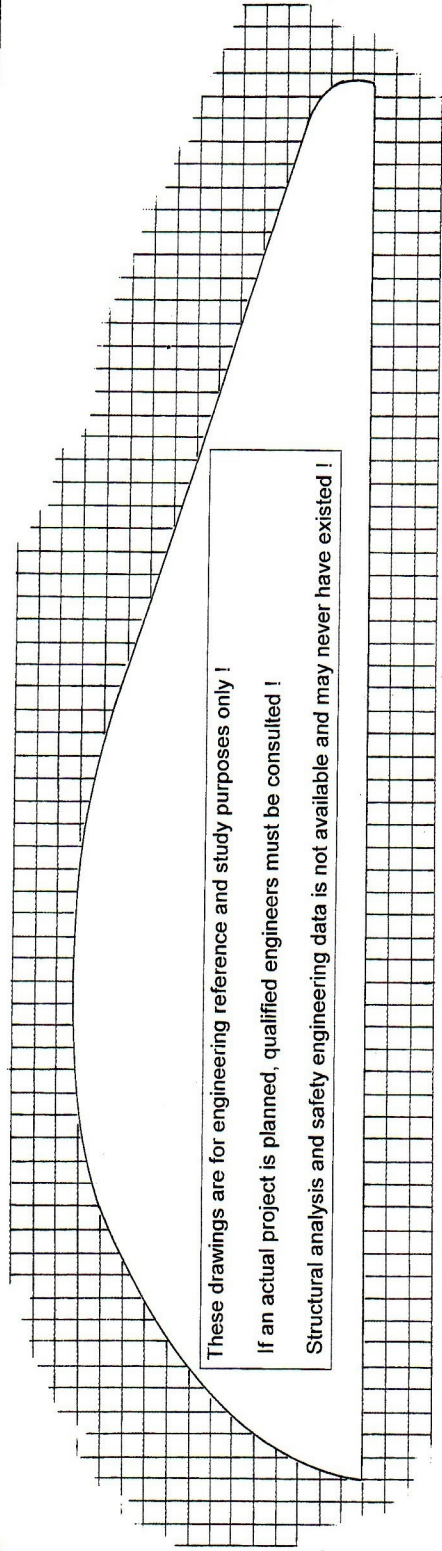
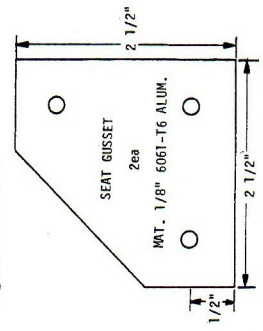
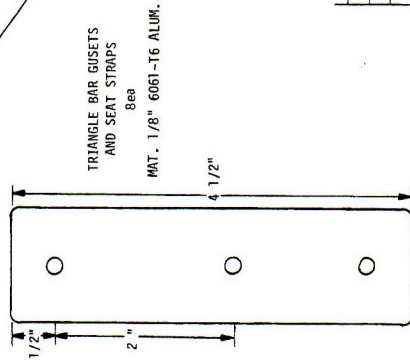
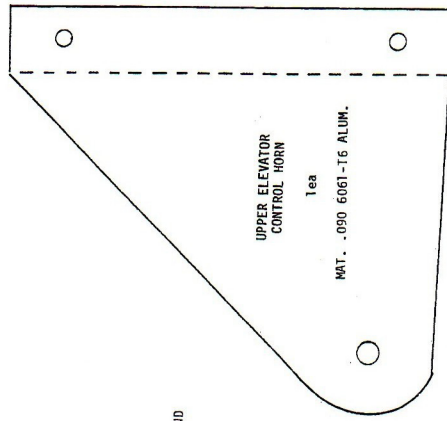
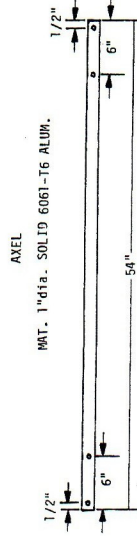
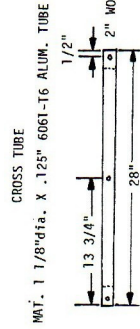
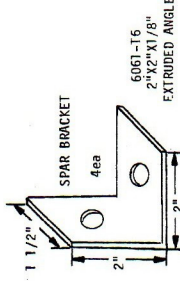
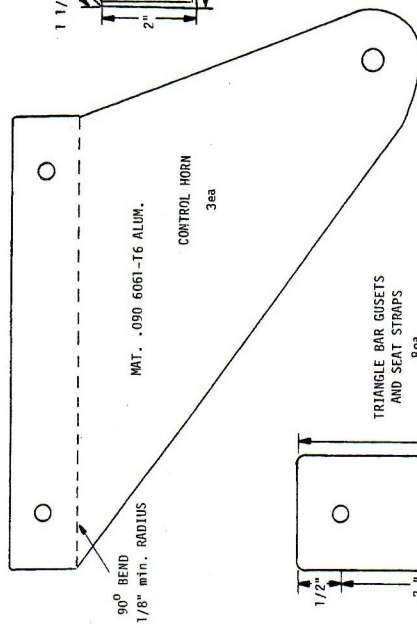
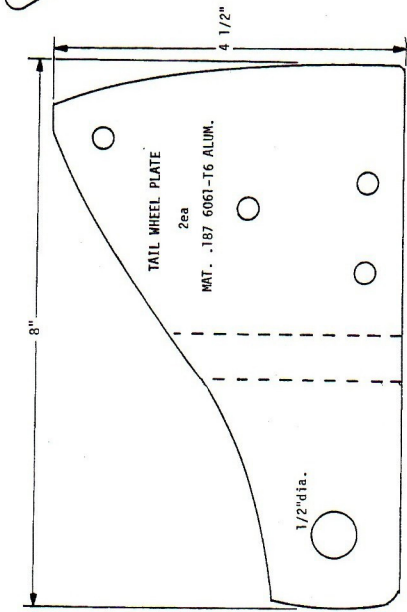
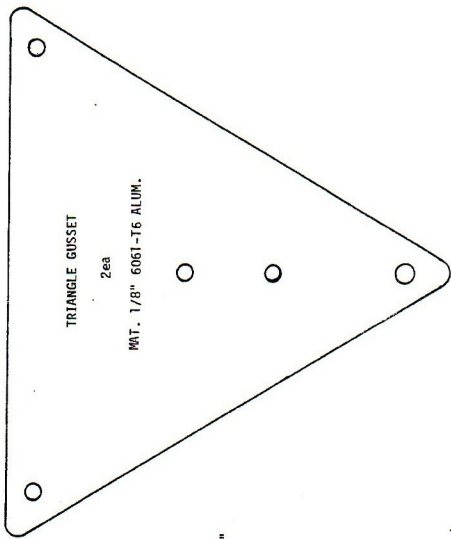


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**WING TIP 1/4" = 1"**

MATCH TO MIDDLE SECTION

**FRONT**

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MATCH TO REAR SECTION

**RIB PATTERN**

**MIDDLE**

MATCH TO FRONT SECTION

**11 RIBS PER WING**

**REAR**

MATCH TO MIDDLE SECTION