

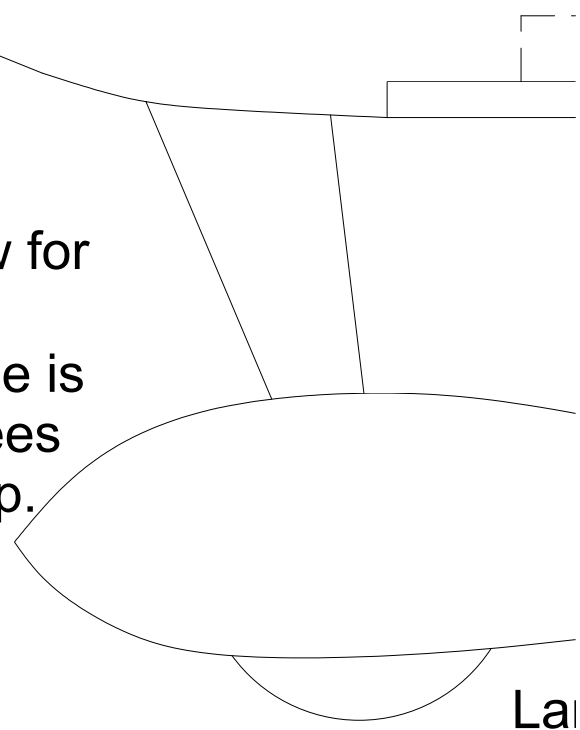
3/8" square hardwood block
motor mount for GWS motor

Note: Mount speed controller
as possible to motor.

(4mm) hole in end of hardwood block
in tube. Drill hole just a bit big to allow for
fit while mounting.
To mount block to carbon tube after tube is
on fuselage. Adjust block for 2-3 degrees
down. Make sure to use epoxy for this step.



0



Label
No

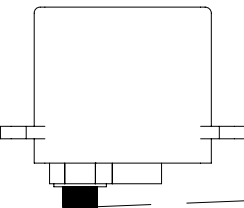




lock
earbox
er as close

4mm carbon tul
Use a "wrapper
strength

Aileron servo

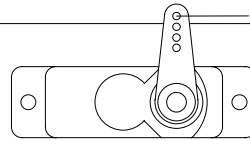


Battery cut-out location. This location is approximate on the plans. Adjust accordingly for the battery you choose to use. Cut this hole after airframe is completed. Hole should be so the battery is a snug fit in slot.

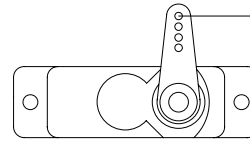
anding gear shown on plans for location
gear was used on 30" prototype



be fuselage stiffener
d" carbon tube for extra



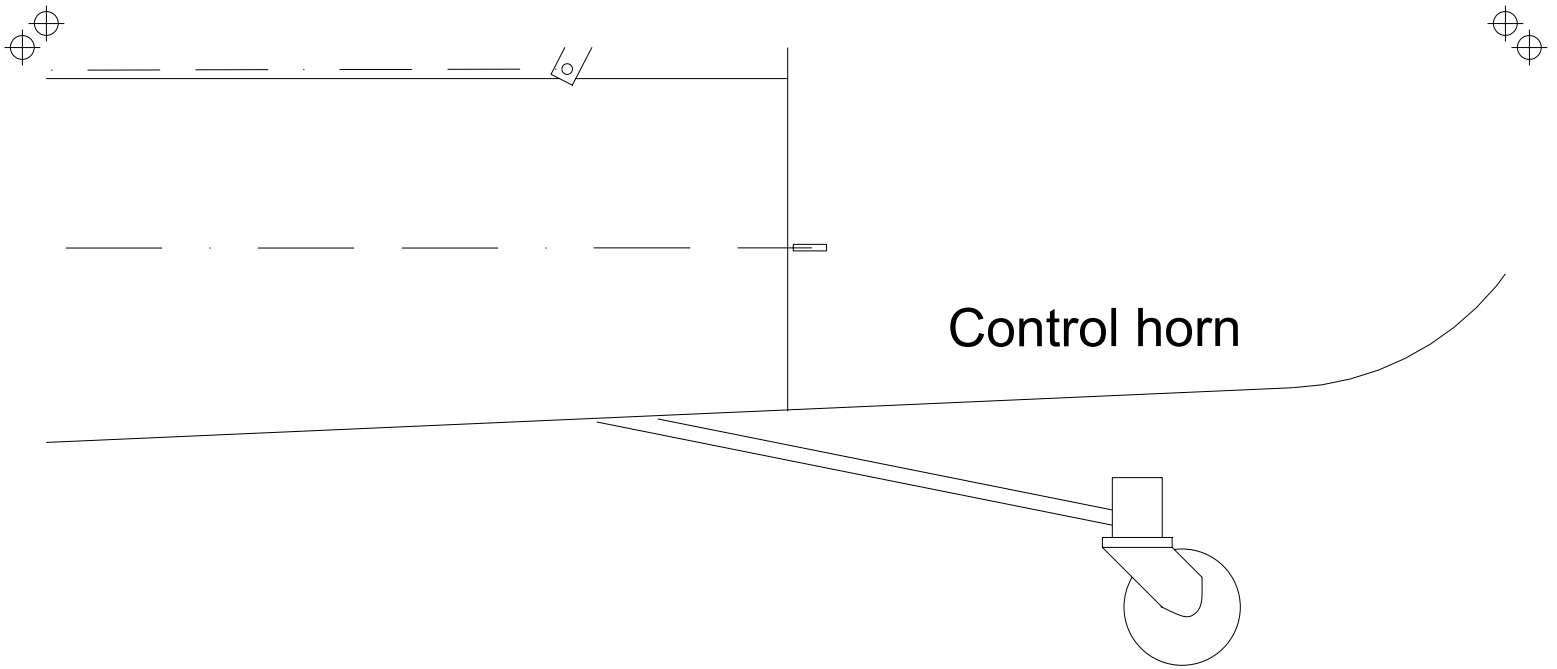
Elevator servo



Rudder servo

y
ole
cut

Note: Placement of Elevator and Rudder servos on plans is approximate. Due to differing weights of components, mount servos so that airplane will balance at CG without battery mounted (temporarily mount the motor and speed controller) This allows for battery movement fore and aft to adjust CG. and the use of different types of batteries. (servo locations are not critical and may also be adjusted for the use of pull-pull cables)



Ultimate 10-300 3D Aerobatic

Wing Span: 30"

Weight: 11-13oz.

Power: GWS EPS300C "DS" Gearing (6.6:1)

Propeller: GWS 12x6 Slow Flyer

Battery: 8 Cell Sanyo AAA 720ma NiMh

Designed
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tim@jetwc.com

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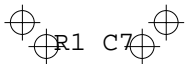


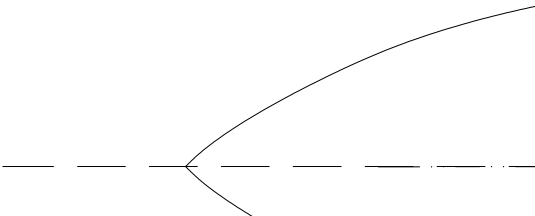
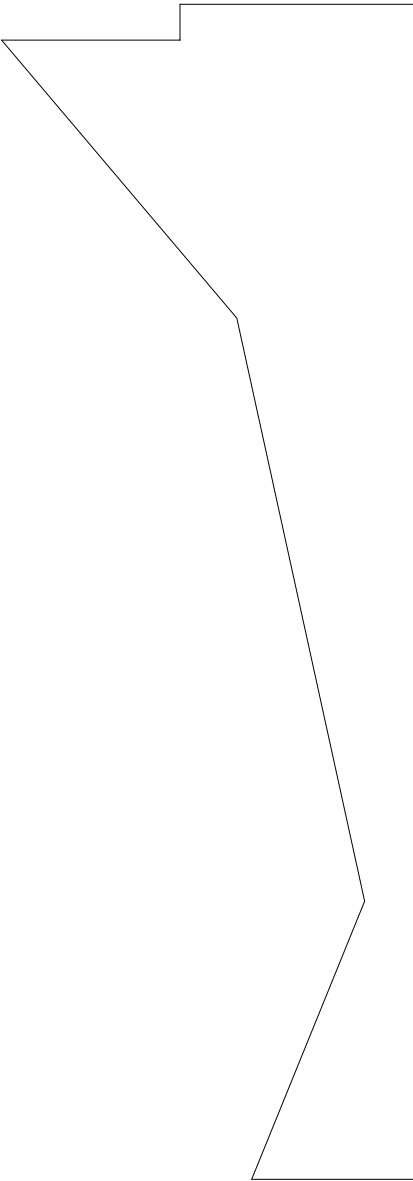
Park Flyer

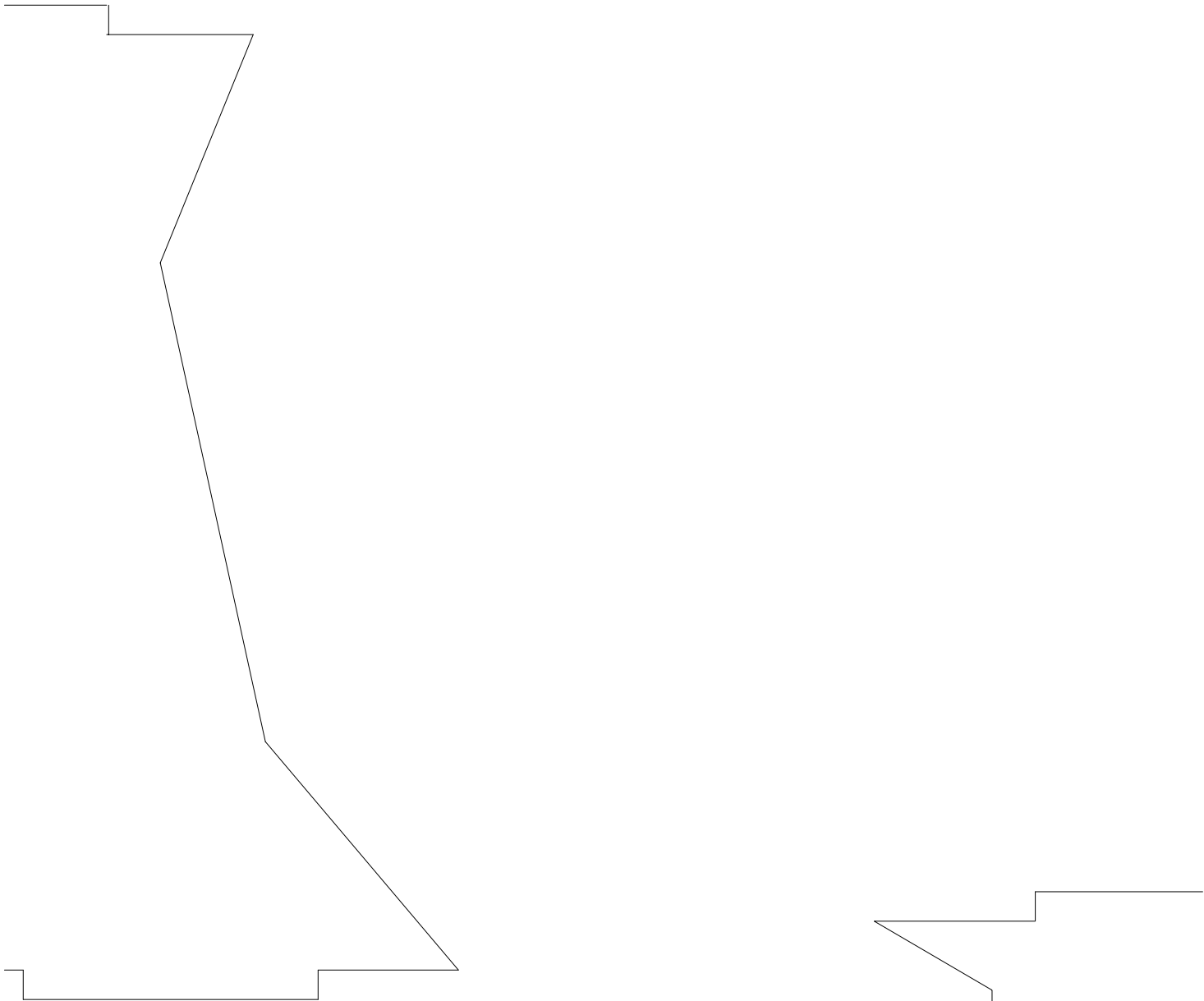
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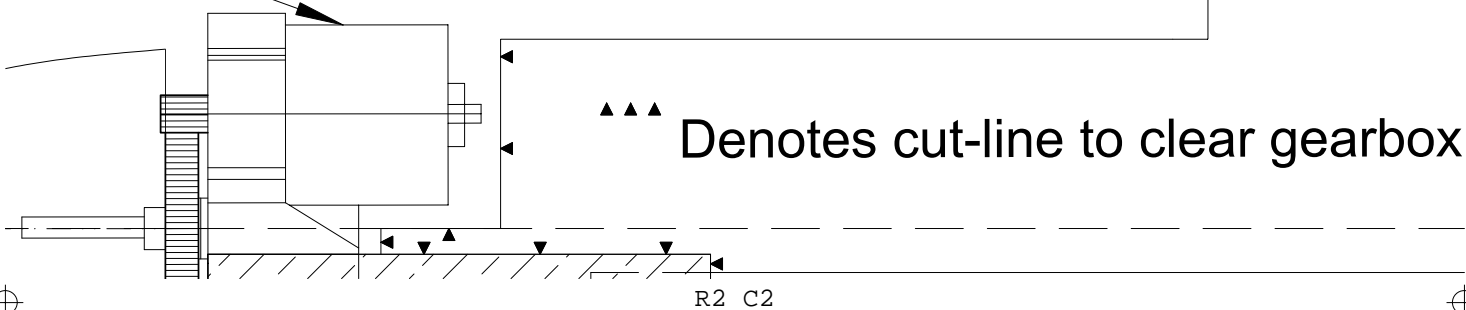


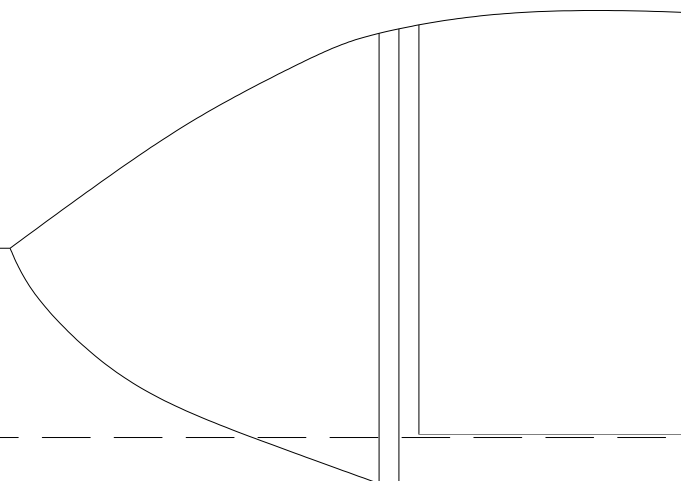
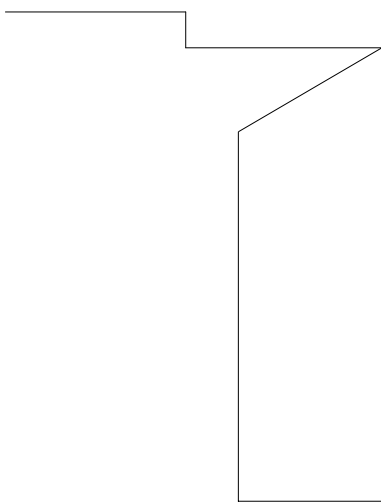
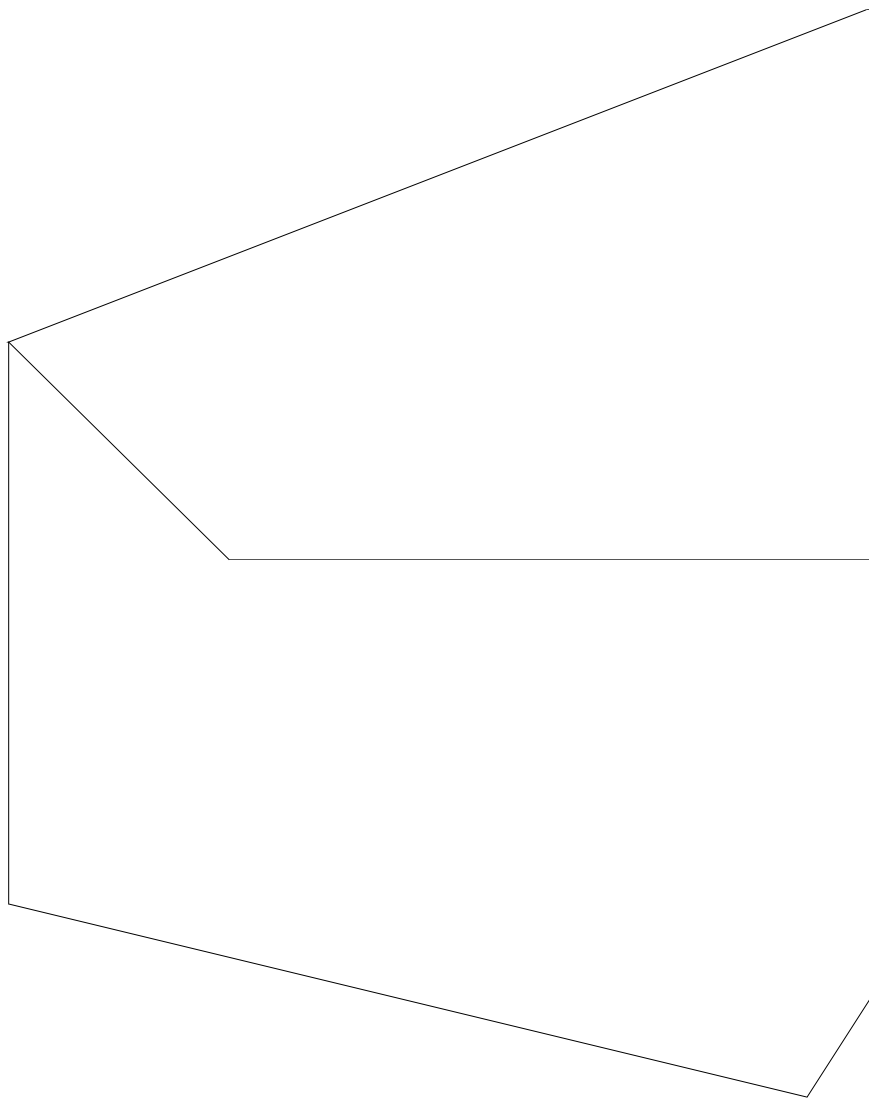






GWS EPS300C "DS" Gearing





and motor mount



R2 C3





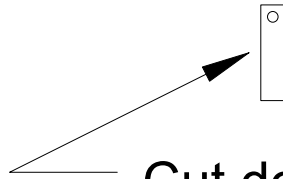
Cut a slot for horn at
the horn in the foam
See aileron connecti

Wire elevator joiner

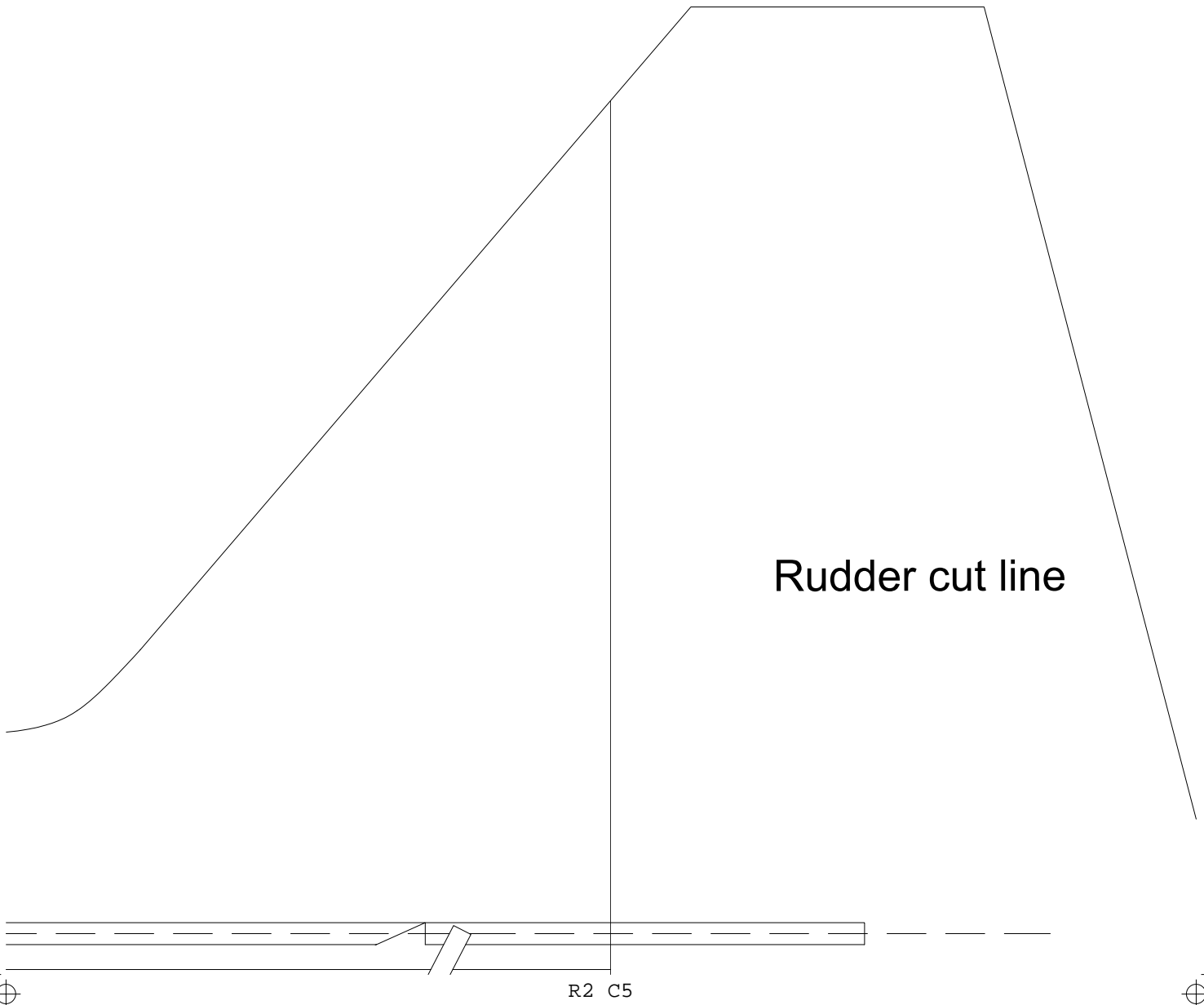


in embed —
aileron.
ion diagram.

Note: All airframe parts shown &
Fan Fold Foam, also known as
6mm Depron may be used and

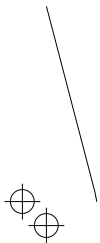


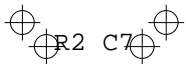
Cut down Zip-Ties are used for control horns,
or use your favorite method. The Zip-Tie can
also be used for push rod standoffs to support
the small dia. wire push rods.

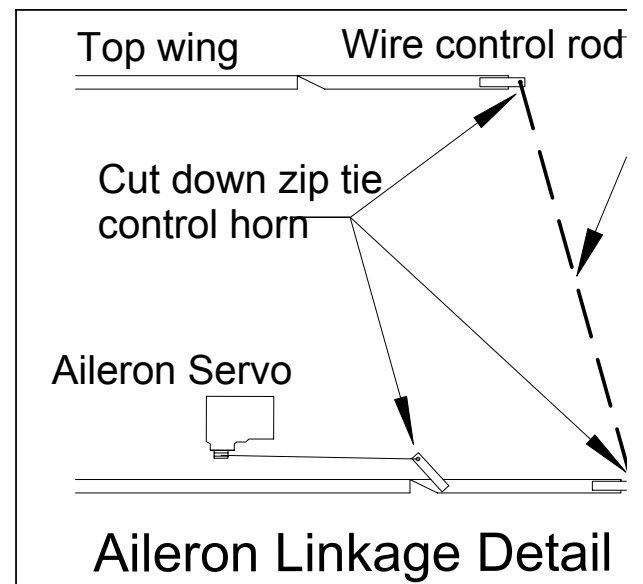
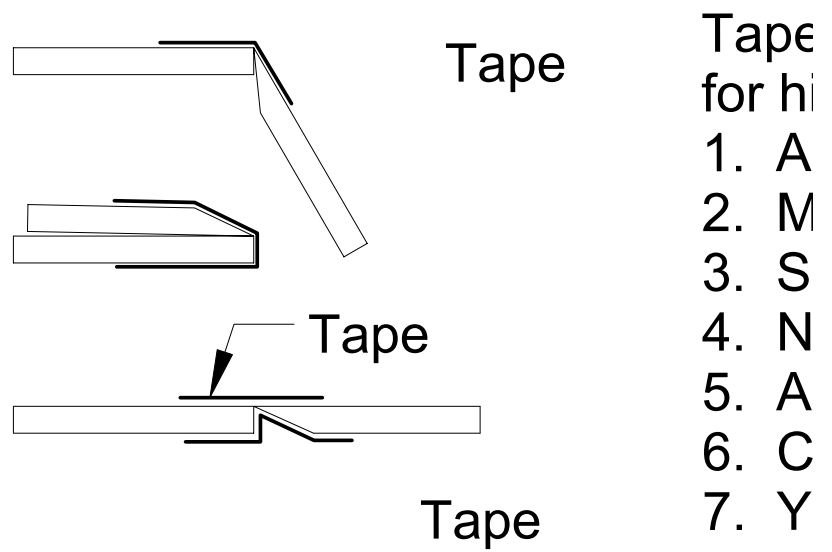




are cut from
Dow Bluecore.
is actually lighter.

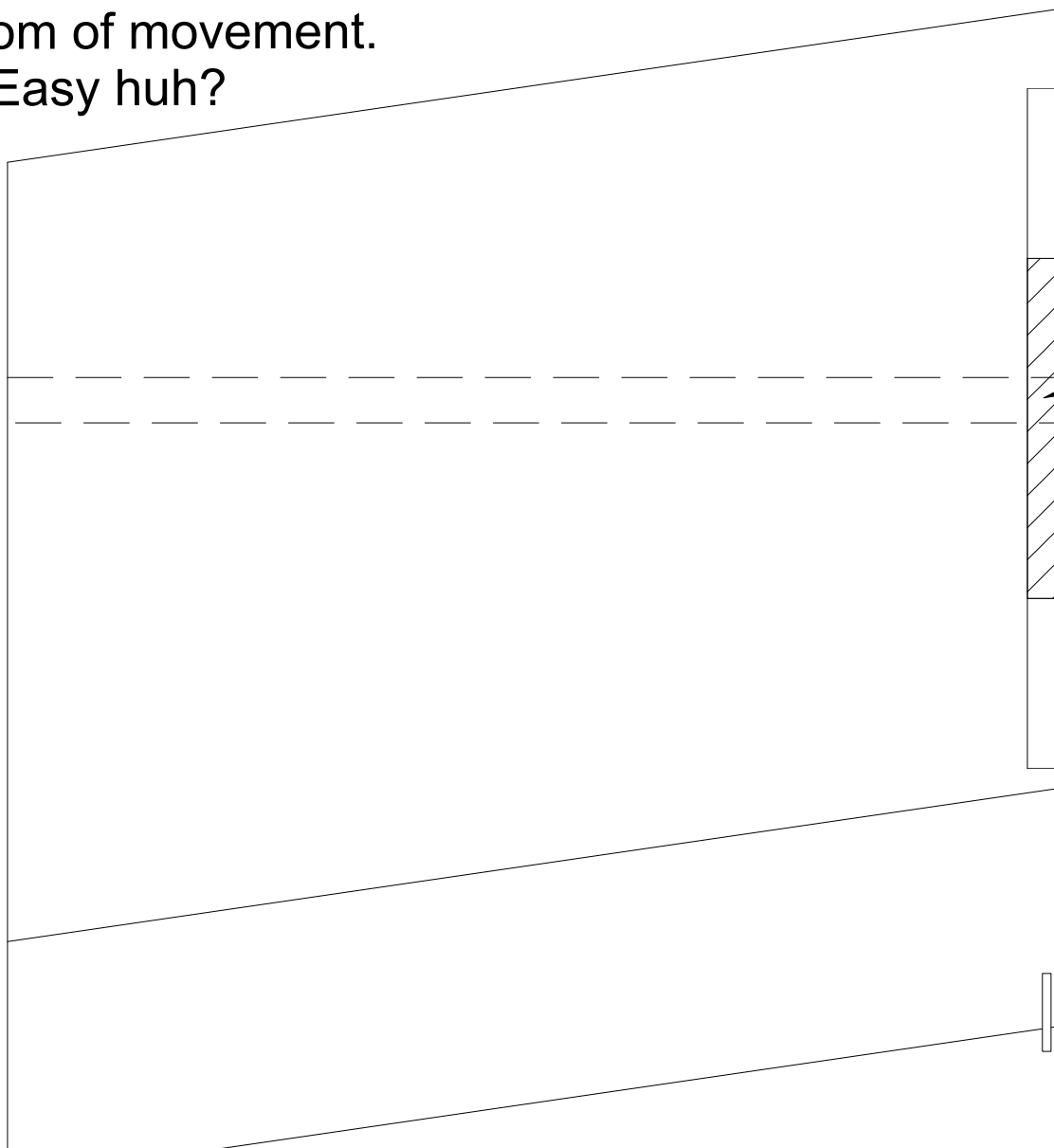








hinges are used to save weight. Use clear packing tape
hinges
pply a piece of tape to the top of the control surface first.
ake sure full deflection is used when lining up both surfaces.
mooth down tape.
ow, fold control surface upward all the way as shown.
pply tape to bottom surface and smooth down.
heck for freedom of movement.
ou are done. Easy huh?

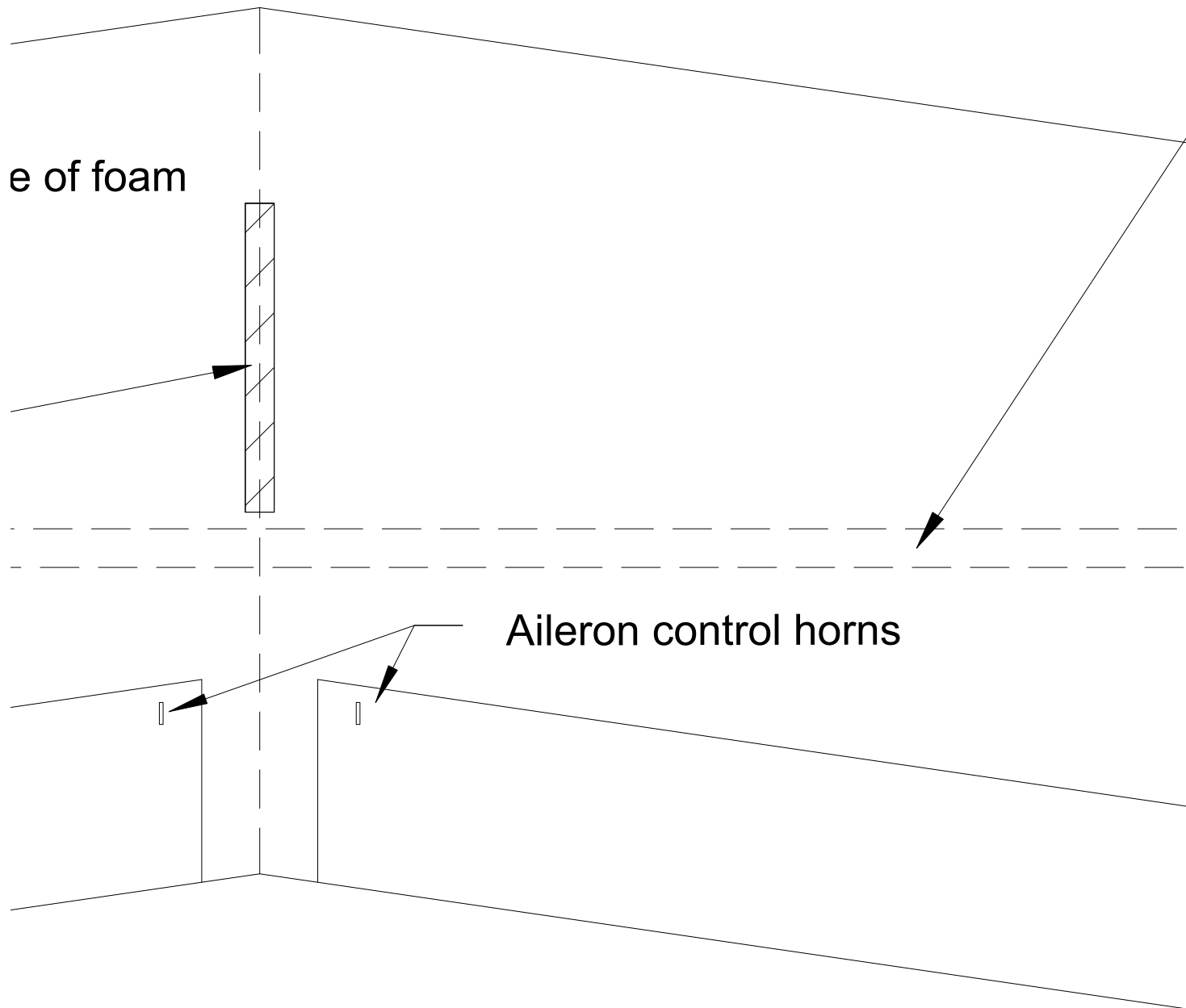




Cut wing from one piece

Cut out hatched area for strut tabs
Center cutout only on top wing



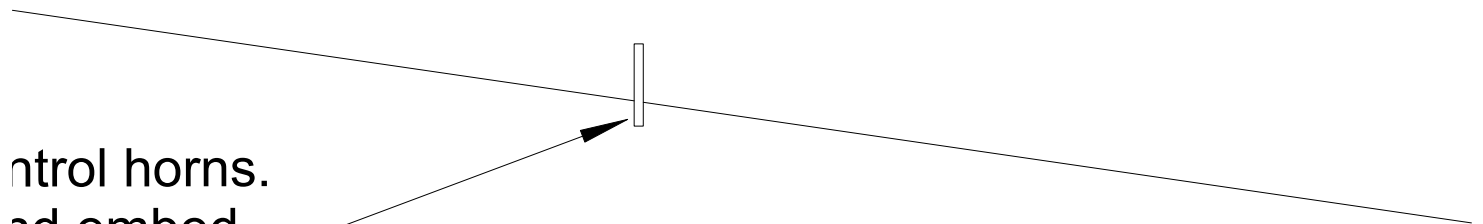
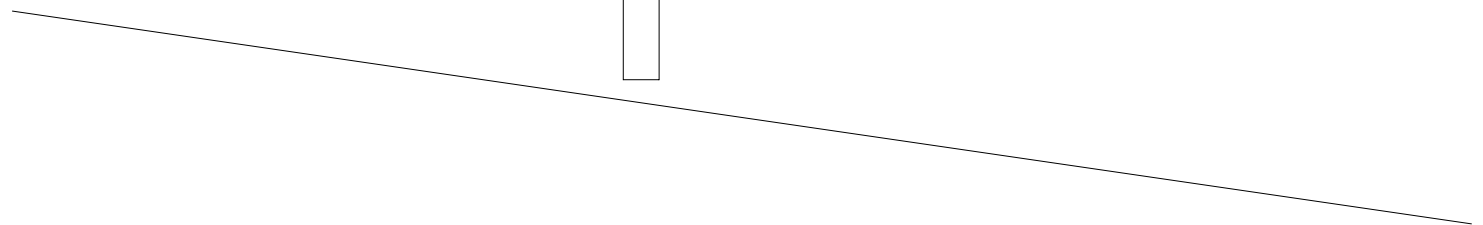
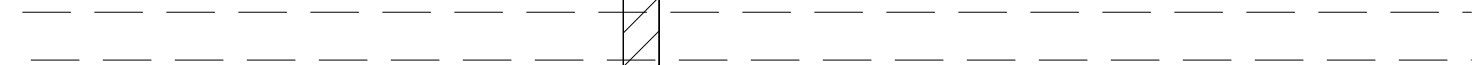
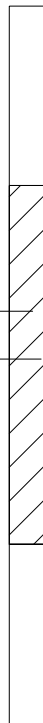


Aileron to aileron cor
Cut a slot for horn ar





Note: 30" WS prototype did not use a carbon tube
Wing can be strengthened with 3M strapping tape
Top of top wing, and bottom of bottom wing get to
Top of bottom wing and bottom of top wing only get to
the inside edge of the strut cutouts



Control horns.
and embed





e wing spar.
e (optional)
ape full span.
get tape to

