

Fantastik – The better looking sitk!

- Semi scale Foam board quick build plan by Elewon @RCGroups
- Single motor advanced trainer with ideas from the Ugly Stik.
- 58" WS, 4.2 sqft wing area, ~8.5 oz/sqft wing loading with ~8 oz battery
- Massive 10.5" chord and thick airfoil for good slow speed handling
- Tricycle landing gear and flaps for easy take offs, landings, and ground handling
- Electronics Required:
 - Servos: 9g x 7 (x5 with no flaps)
 - ESC: 30A or better
 - Motor: 70g 950kV or better
 - Battery: 2200 – 3300mAh x 1
 - LEDs: White/Red/Green strips
 - Prop: 10x5-10x8 depending on motor
- Other Materials:
 - DT foam board x 3 sheets
 - Low temp hot glue
 - ½ x ¾ x 1/16 Aluminum bar - 15"
 - 1mmx36" music wire for push rods – 3
 - Paint stir stick from Home Depot - 1
 - Screws, LG wheels etc
- Notes:
 - Battery capacity (**AH**) x **C** rating must be > 40
 - Use ESC with at least 3A BEC or a separate BEC
- Disclaimer:
 - This is an advanced trainer plane and requires some scratch building and flying experience. The plane is very stable, responsive, and easy to handle but easy to crash if you don't make right decisions.
 - This is an effort to document detailed plans for the said plane but it is not possible to cover every detail.
 - RC plane building and flying are dangerous activities and you are responsible for all your actions. Be safe and happy flying!



Top Nose piece goes here

Partial cut on the outer surface

Servo/Battery Tray goes here

Paint Stick through foam
for motor mount. Note
3° down thrust

Pieces of
total). Align

H
0
A

H
0
B

H
1

H
2

H
3

Nose LG

Score cut and fold along this line

Glue a piece of foam board for negative AoA on the wing

- Top Tail piece goes h

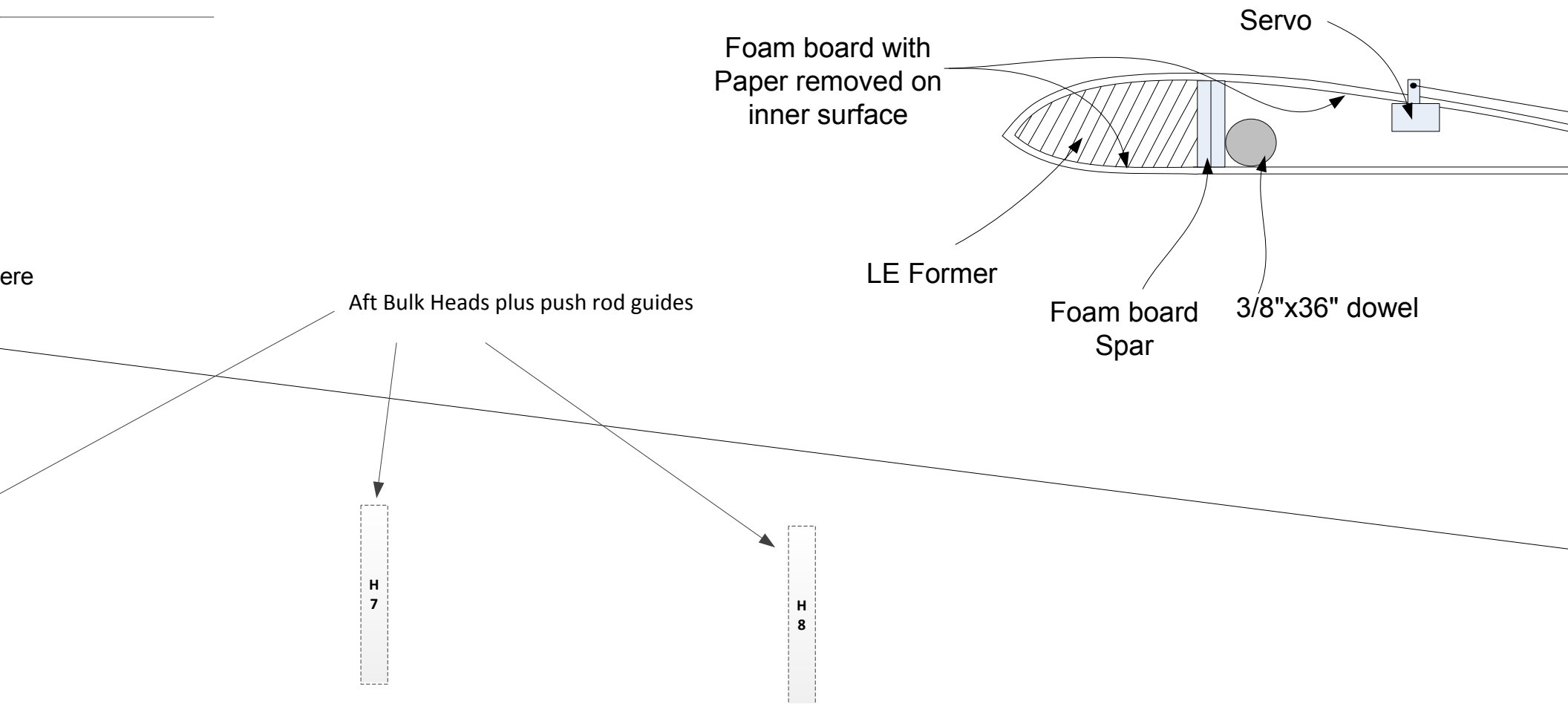
Partial cut on the outer surface

glue jumbo popsicle stick glued on outer as well as inner surface (8
in the holes and glue piece of bamboo skewers through to work as
rubber band retainers

Main LG

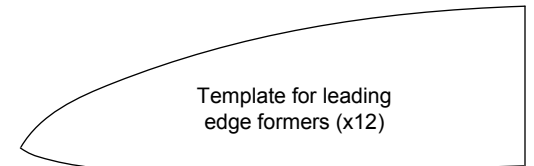
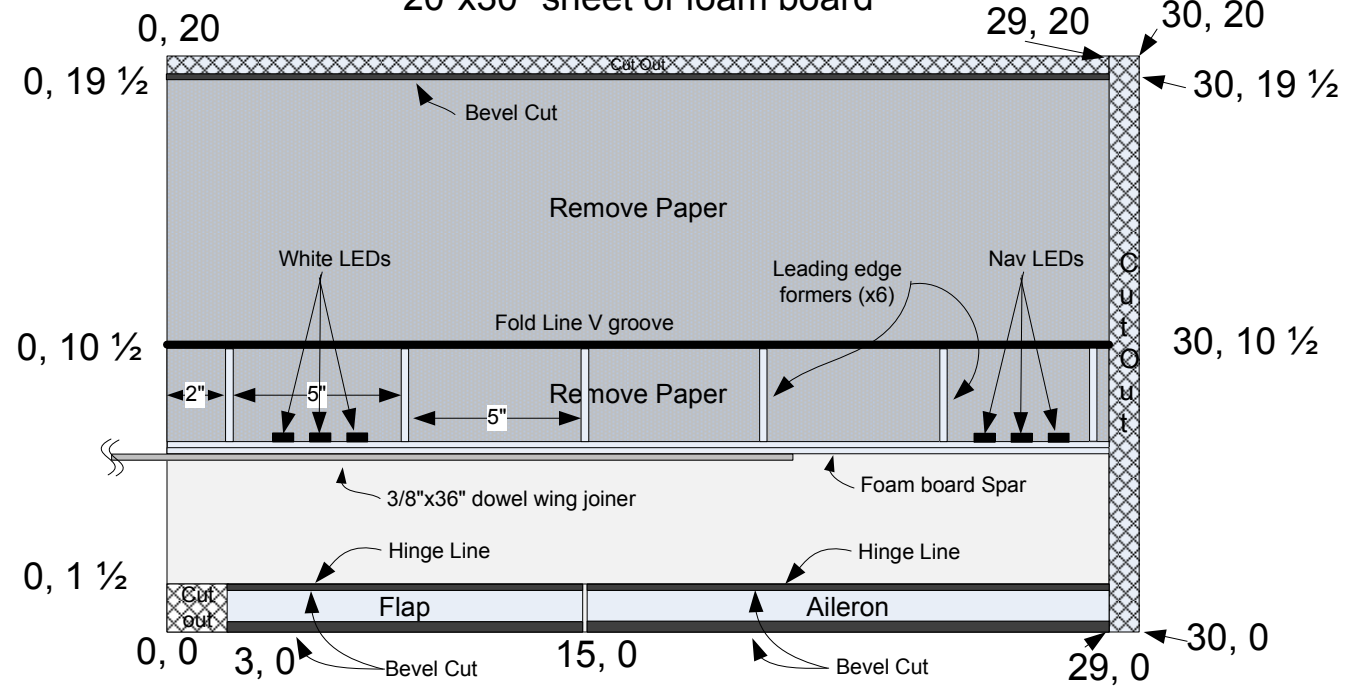
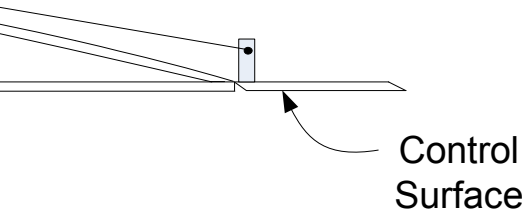
1 11/16"

Wing Half Foam Spar Template (28"Lx 1 11/16"W)

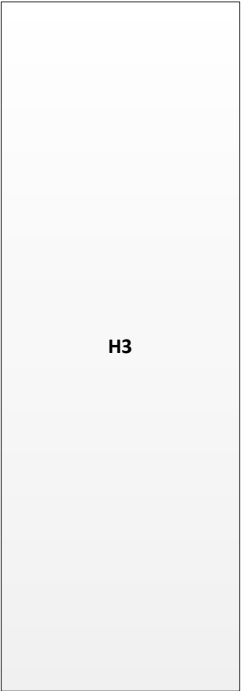
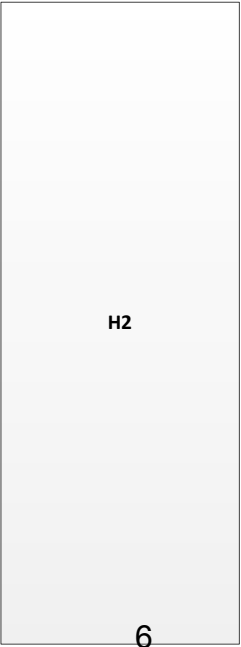
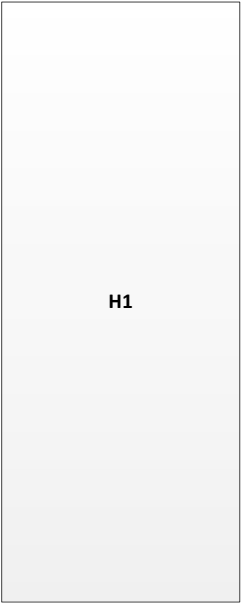
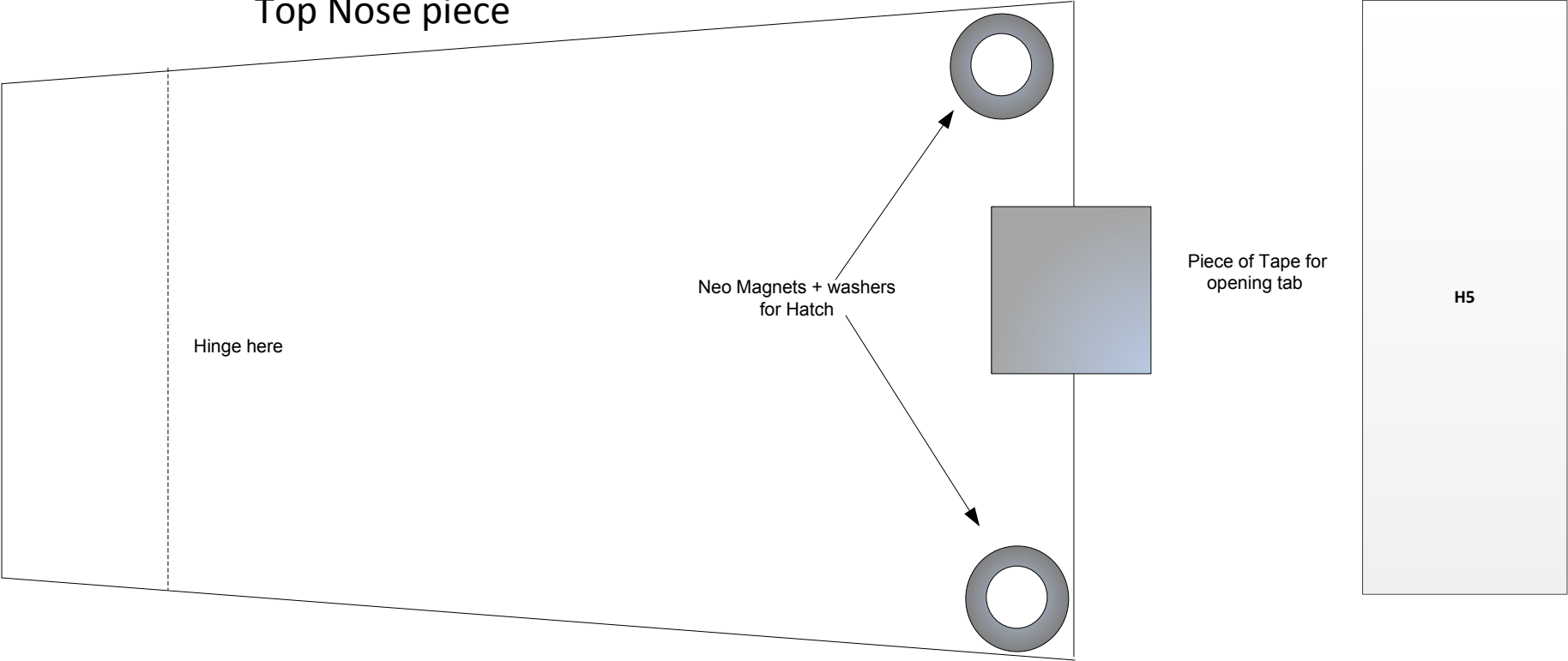


3 Inch Ruler

Wing half Plan laid out on a
20"x30" sheet of foam board

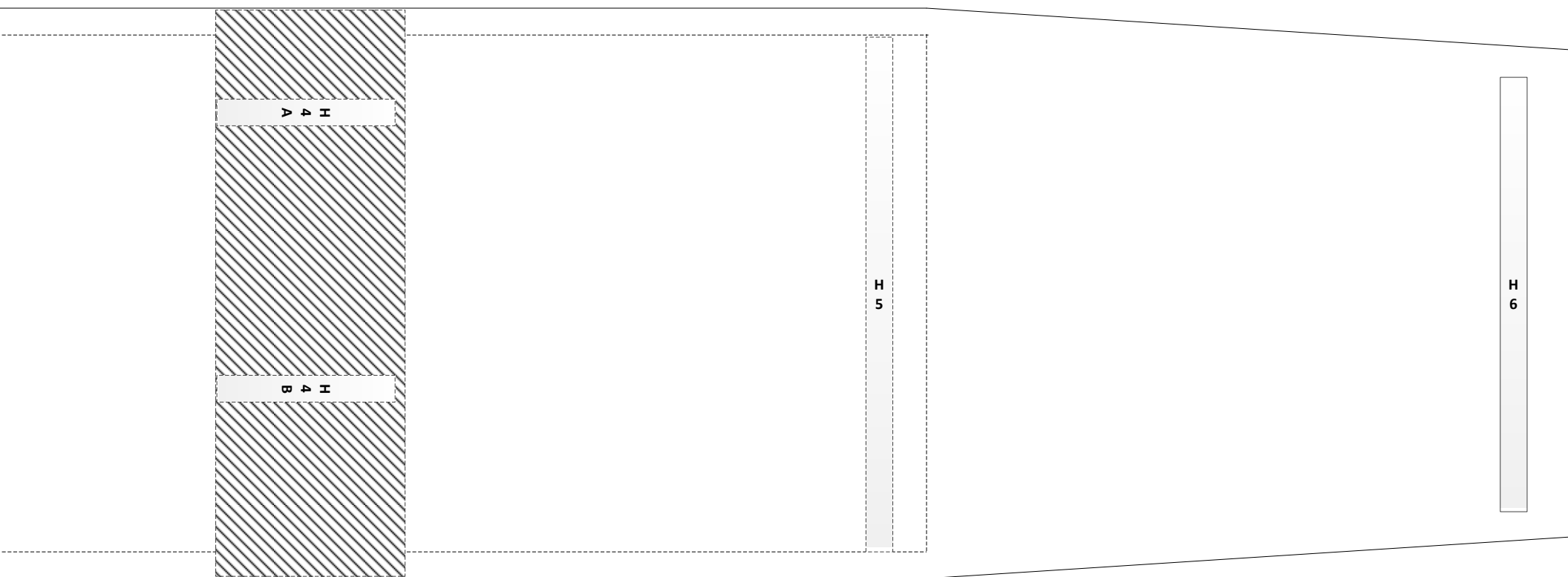


Top Nose piece



Fuse Bottom Plate





Bevel cut for a sharp edge

8

3

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h

3 Inch Ruler



H
7

H
8

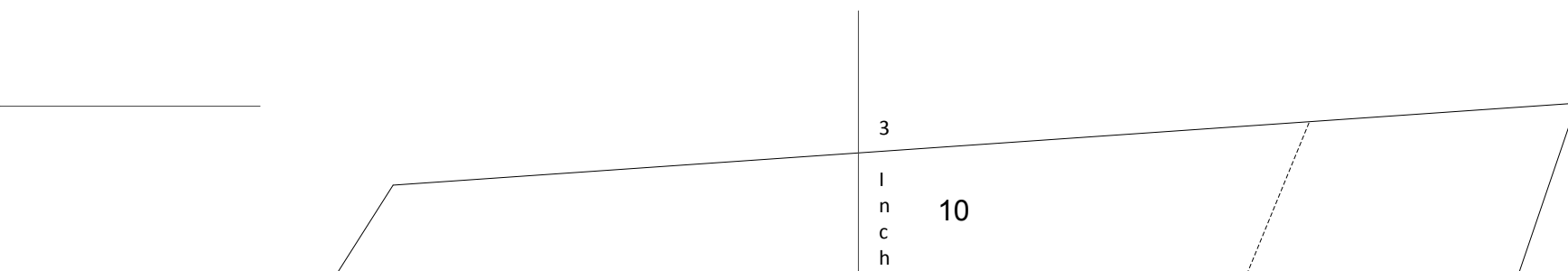
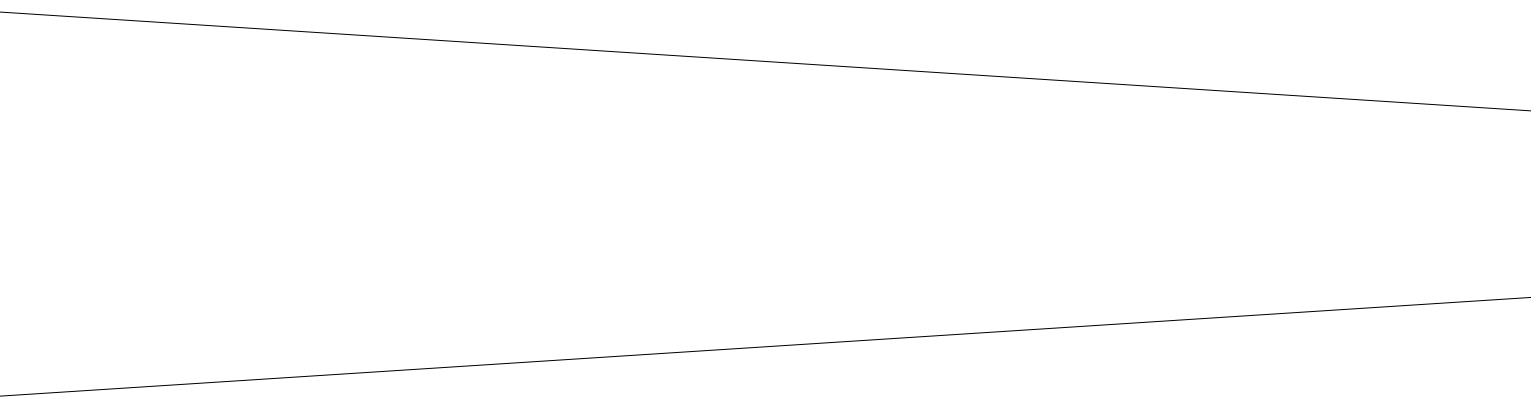
Bevel cut for a sharp edge

3

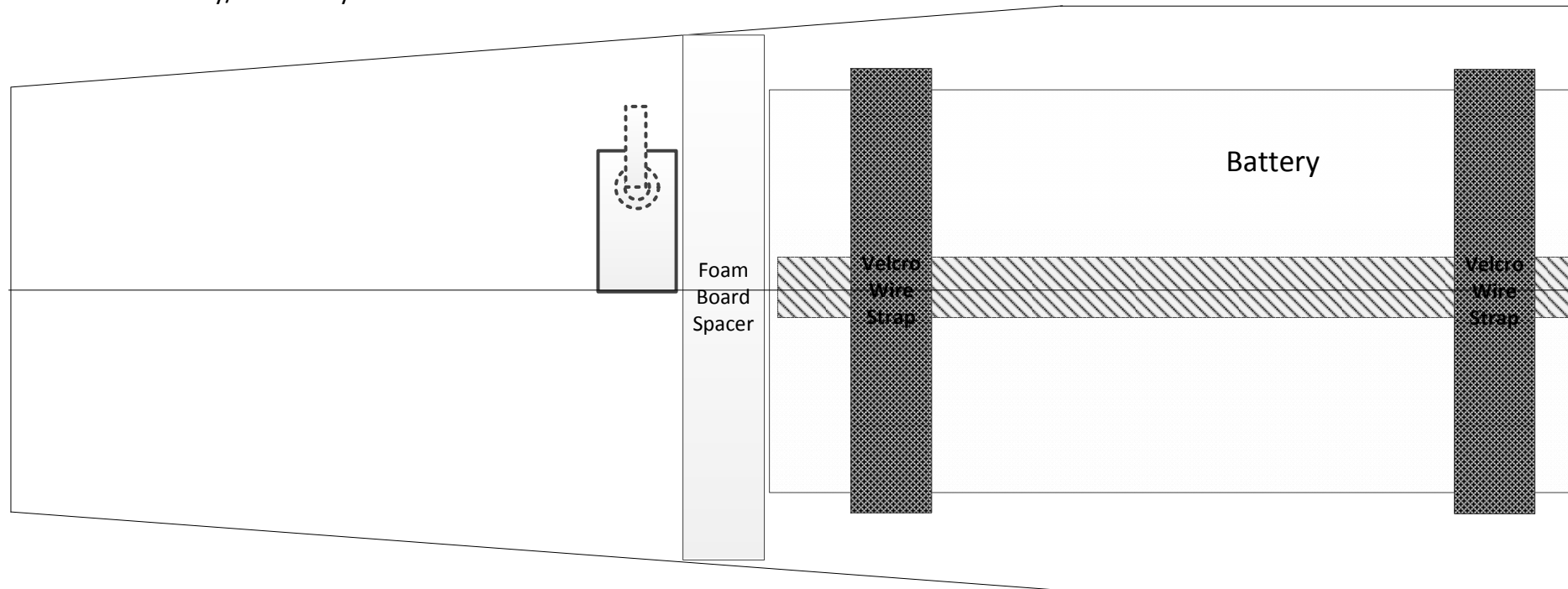
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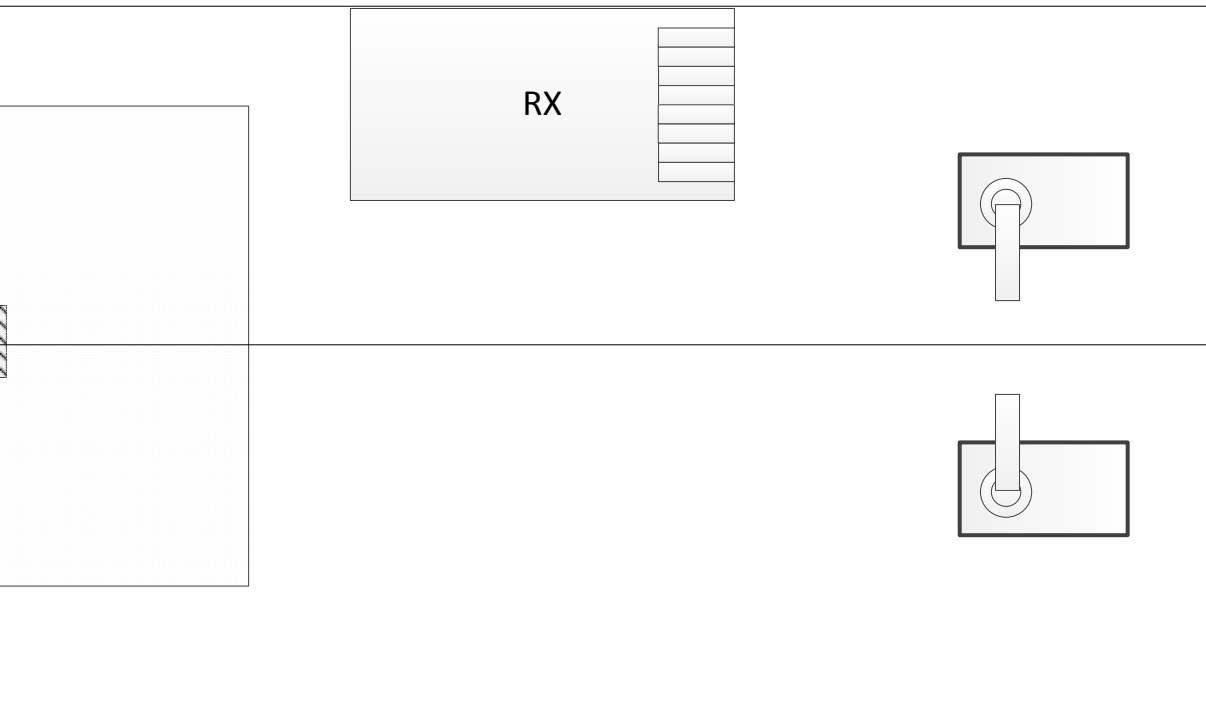
3 Inch Ruler



Battery/Servo Tray



3 Inch Ruler

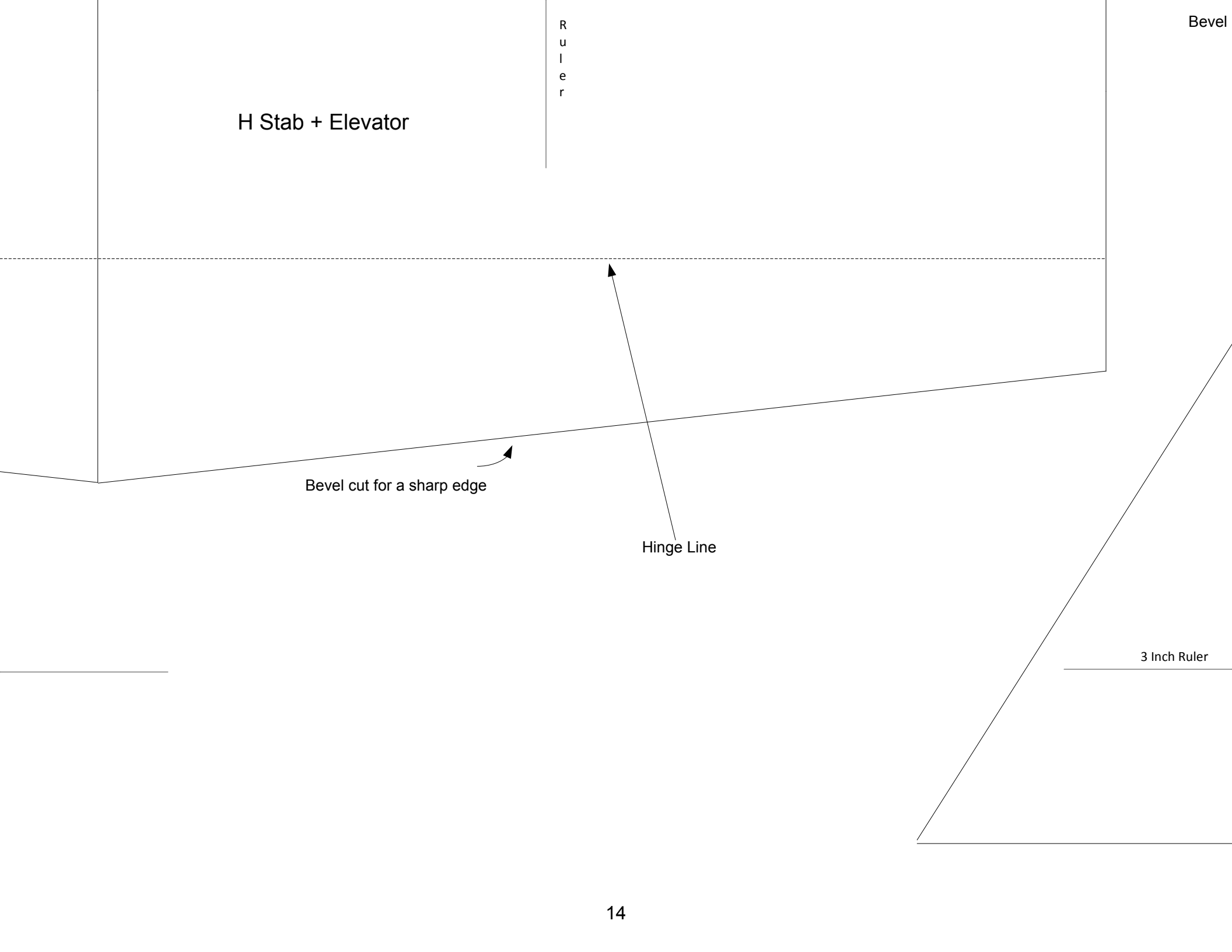


3 Inch Ruler

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Aft Fuse/Tail Top piece

3 Inch Ruler



H Stab + Elevator

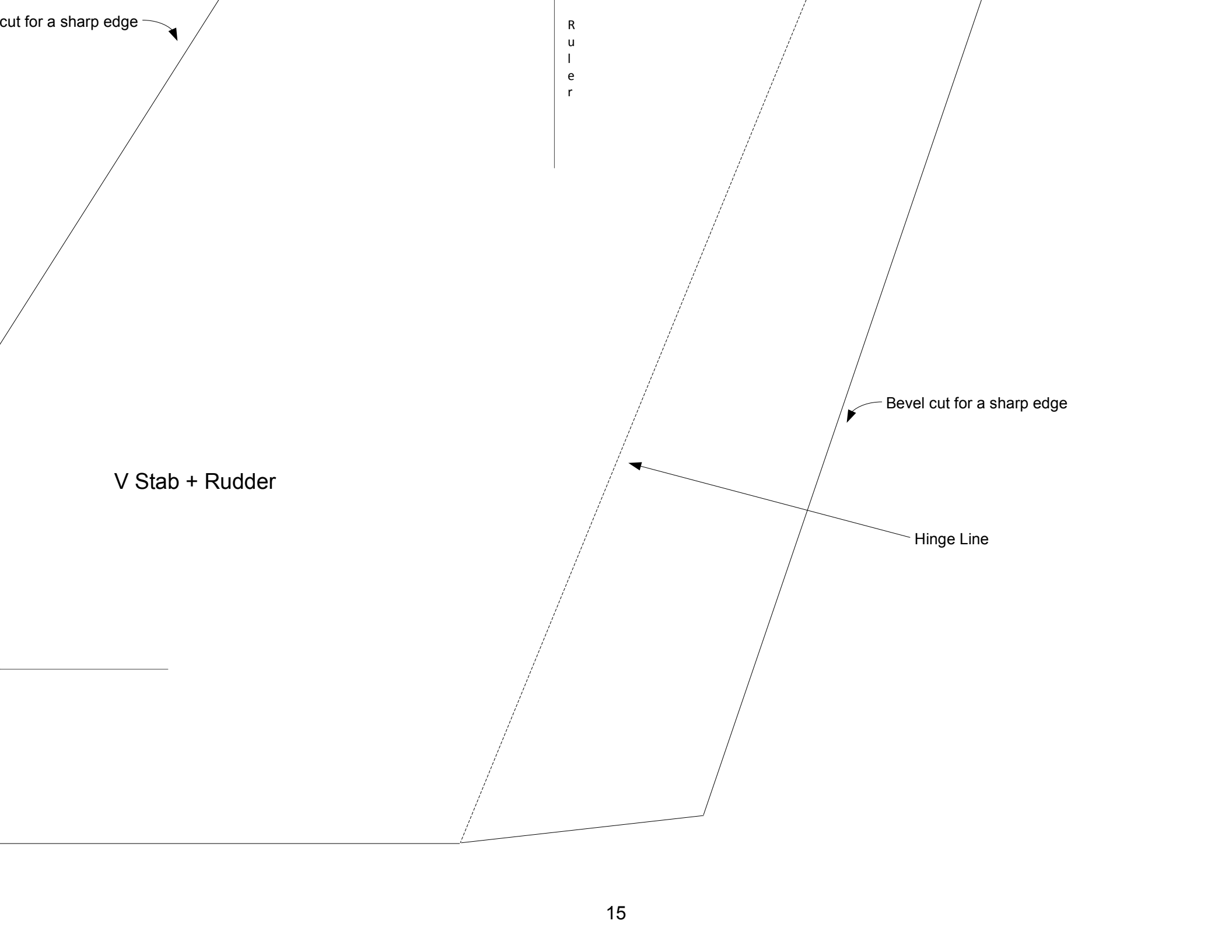
R
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Bevel

Bevel cut for a sharp edge

Hinge Line

3 Inch Ruler



cut for a sharp edge

R
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V Stab + Rudder

Bevel cut for a sharp edge

Hinge Line