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AP Mini Argus

Version 0.1 (2019-12-20)

Design & Drawing by: Tony Roehling



GENERAL SPECIFICATIONS

WINGSPAN: 650 mm | 25.59 in
CG: 36 mm | 1.42 in (not verified)
DRY WEIGHT: 219 g | 7.72 oz
ALL UP WEIGHT: 265 g | 9.35 oz (with 950 mAh 2s)

Use Flite Test Water-Resistant Foam Board by Adams and your AUW will be **far below the 250 g (8.82 oz) limit!**

EXPO: 30 %
CHANNELS: 4 (THR | AIL | ELV | RUD)

RECOMMENDED SETUP

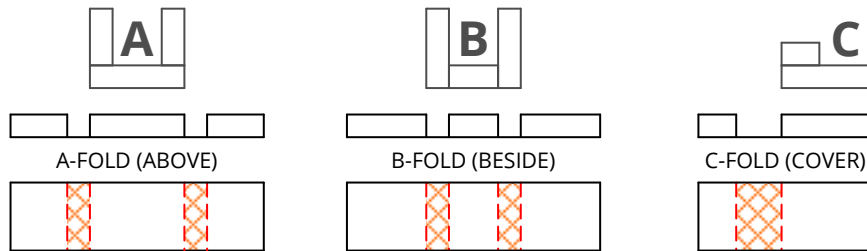
MOTOR: 2300 kv (1806)
PROPELLER: 6 x 4
ESC: 12 A
SERVOS: 4 x 5 g
BATTERY: 950 mAh 2s (Turnigy nano-tech)



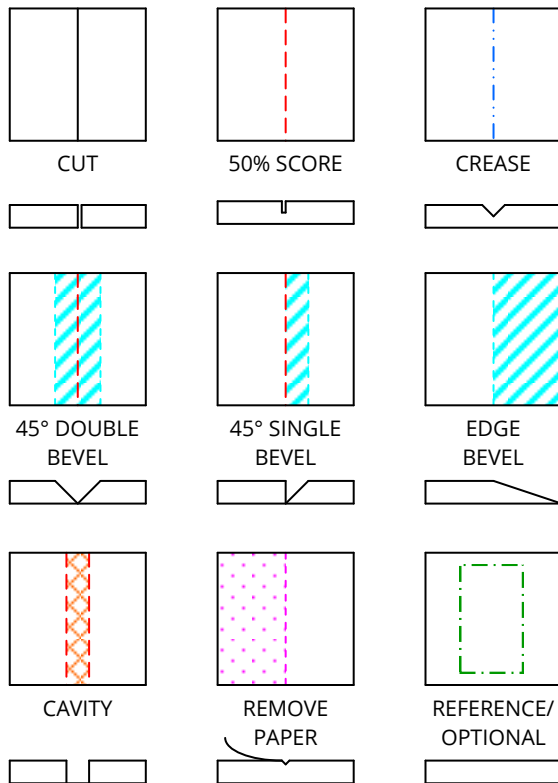
DRAWING KEY

... based on the Flite Test Drawing Key created by Dan Sponholz

FOLD TYPES

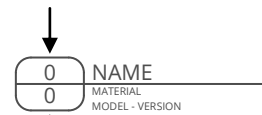


LINE TYPE/COLOR



SYMBOLS

PART NUMBER



QUANTITY



DOWEL HOLE



CENTER OF GRAVITY (CG)

AP Mini Argus

PARTS LIST

Version 0.1 (2019-12-20)

PART NR.	DESCRIPTION	QUANTITY	MATERIAL	SHEET
1	FUSELAGE	1	FOAM BOARD	1
2	UPPER SHEETING	1	FOAM BOARD	1
3	HORIZONTAL STABILIZER	1	FOAM BOARD	1
4	ELEVATOR COMBINER	1	STEEL WIRE (Ø min. 1mm)	NF
5	H-STAB REINFORCEMENT	1	BBQ-SKEWER	NF
6	VERTICAL STABILIZER	1	FOAM BOARD	1
7	WING PANEL	1	FOAM BOARD	1
8	WING PANEL REINFORCEMENT	1	BBQ-SKEWER	NF
9	OUTER WING PANEL	1	FOAM BOARD	1
10	POWER POD & HATCH MOUNT PIN	3	BBQ SKEWER	NF
11	MINI POWER POD	1	FOAM BOARD	1
12	MINI FIREWALL	1	PLYWOOD	NF
13	CONTROL HORN	4	PLASTIC CARD / PLYWOOD	NF

OTHER MATERIALS

STEEL WIRE (Ø 1mm) FOR THE LINKAGE RODS

2 x SERVO EXTENSIONS (150 - 200 mm)

VELCRO TO MOUNT THE BATTERY, ESC & RX



Please build the Mini Argus in the order of the part numbers!

AP Mini ARGUS

SHEET NF - NON FOAMBOARD

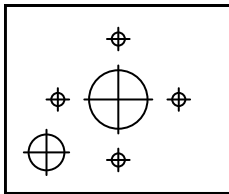
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STEEL WIRE



4 ELEVATOR COMBINER
1 STEEL WIRE (Ø min. 1mm)
AP MINI ARGUS - VERSION 0.1

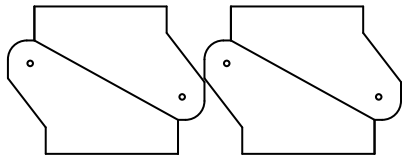
PLYWOOD



12 MINI FIREWALL
1 PLYWOOD
AP MINI ARGUS - VERSION 0.1

Cut out the Mini Firewall from plywood or use the Flite Test Mighty Mini Firewall (Part# FLT-2033).

PLASTIC CARD OR PLYWOOD



13 CONTROL HORN
5 PLASTIC CARD
AP MINI ARGUS - VERSION 0.1

Cut out the control horns from a plastic card or plywood or use the Flite Test Mighty Mini Control Horns (Part# FLT-2034).

BBQ SKEWER



10 POWER POD & HATCH MOUNT PIN
3 BBQ SKEWER
AP MINI ARGUS - VERSION 0.1



5 H-STAB REINFORCEMENT
1 BBQ SKEWER
AP MINI ARGUS - VERSION 0.1



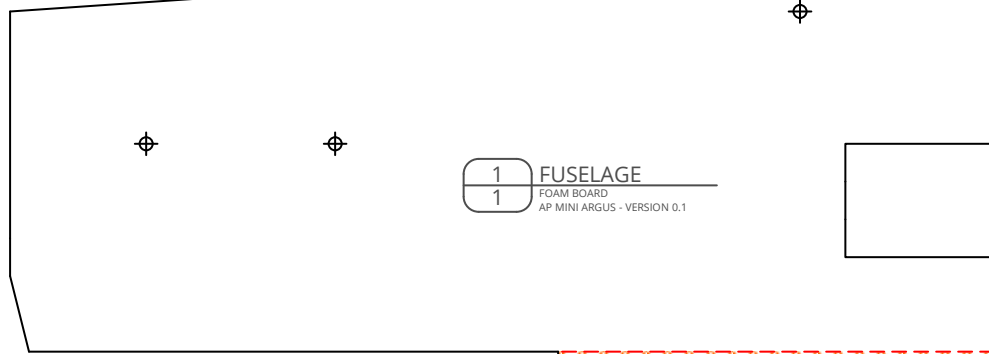
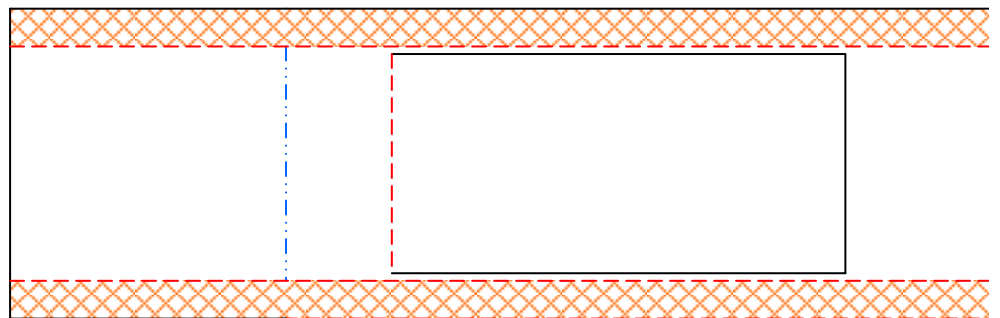
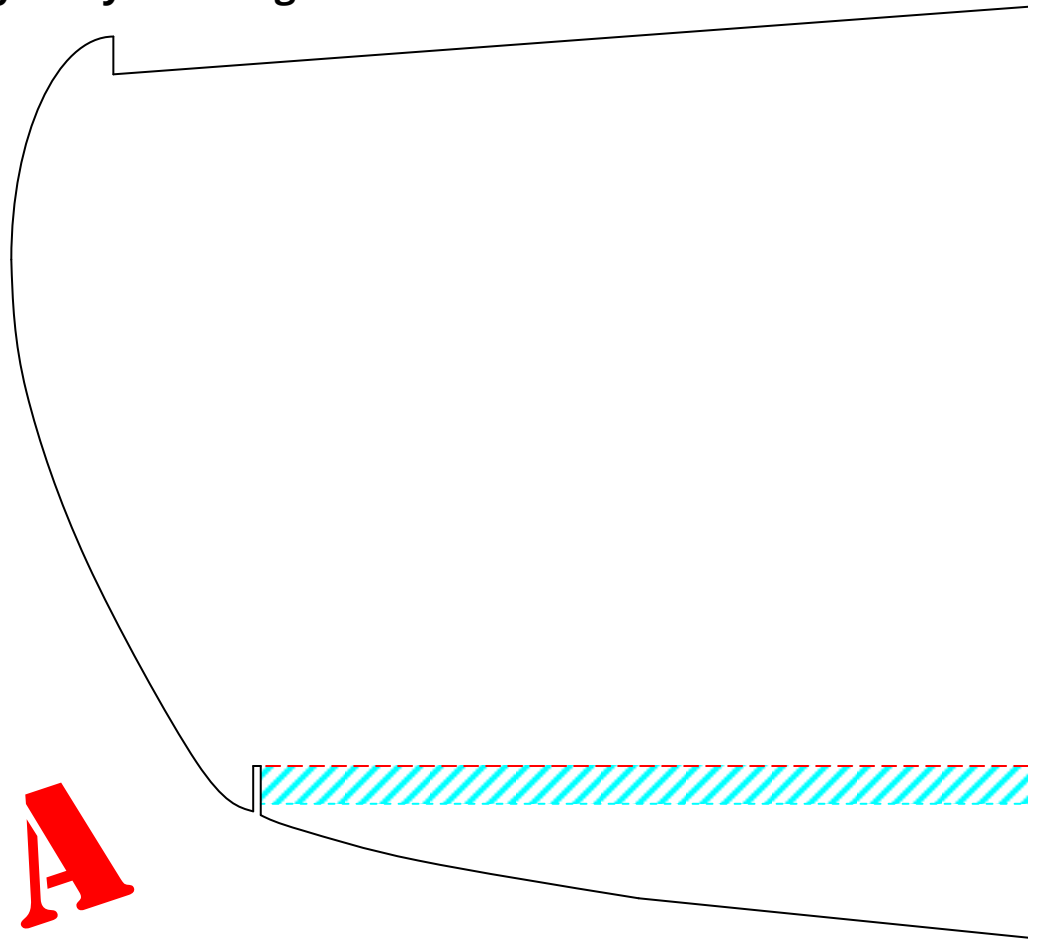
8 WING PANEL REINFORCEMENT
1 BBQ SKEWER
AP MINI ARGUS - VERSION 0.1

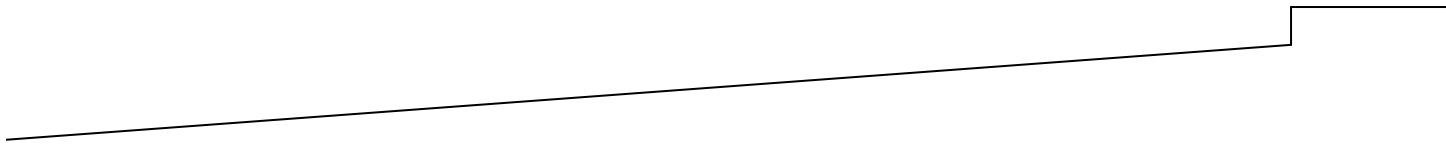
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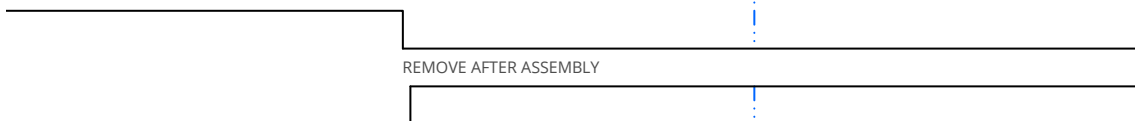
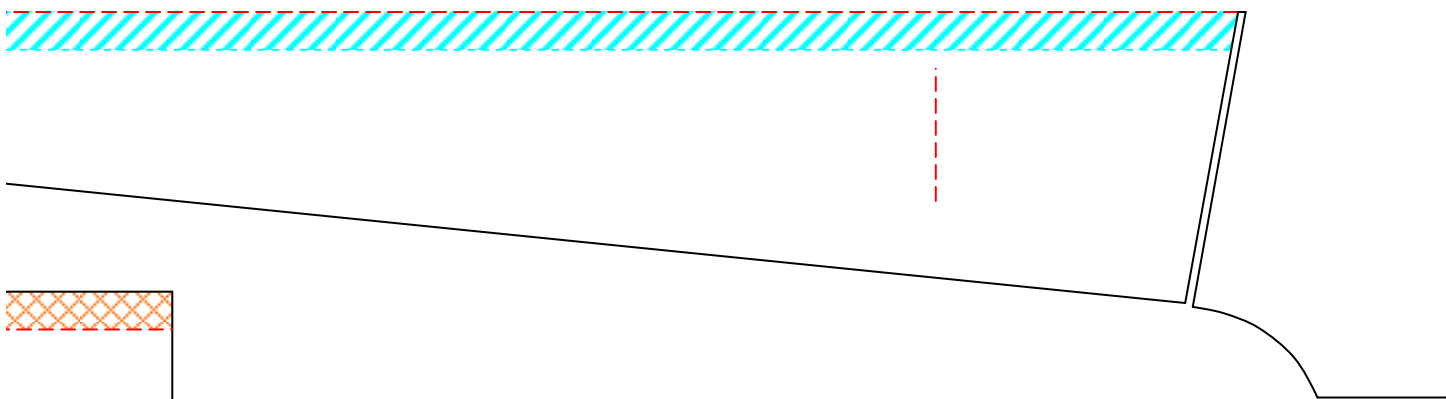
BETA





GLUE PART 9 HERE

7 WING P
1 FOAM BOARD
AP MINI ARGUS



GLUE PART 8 HERE ↓

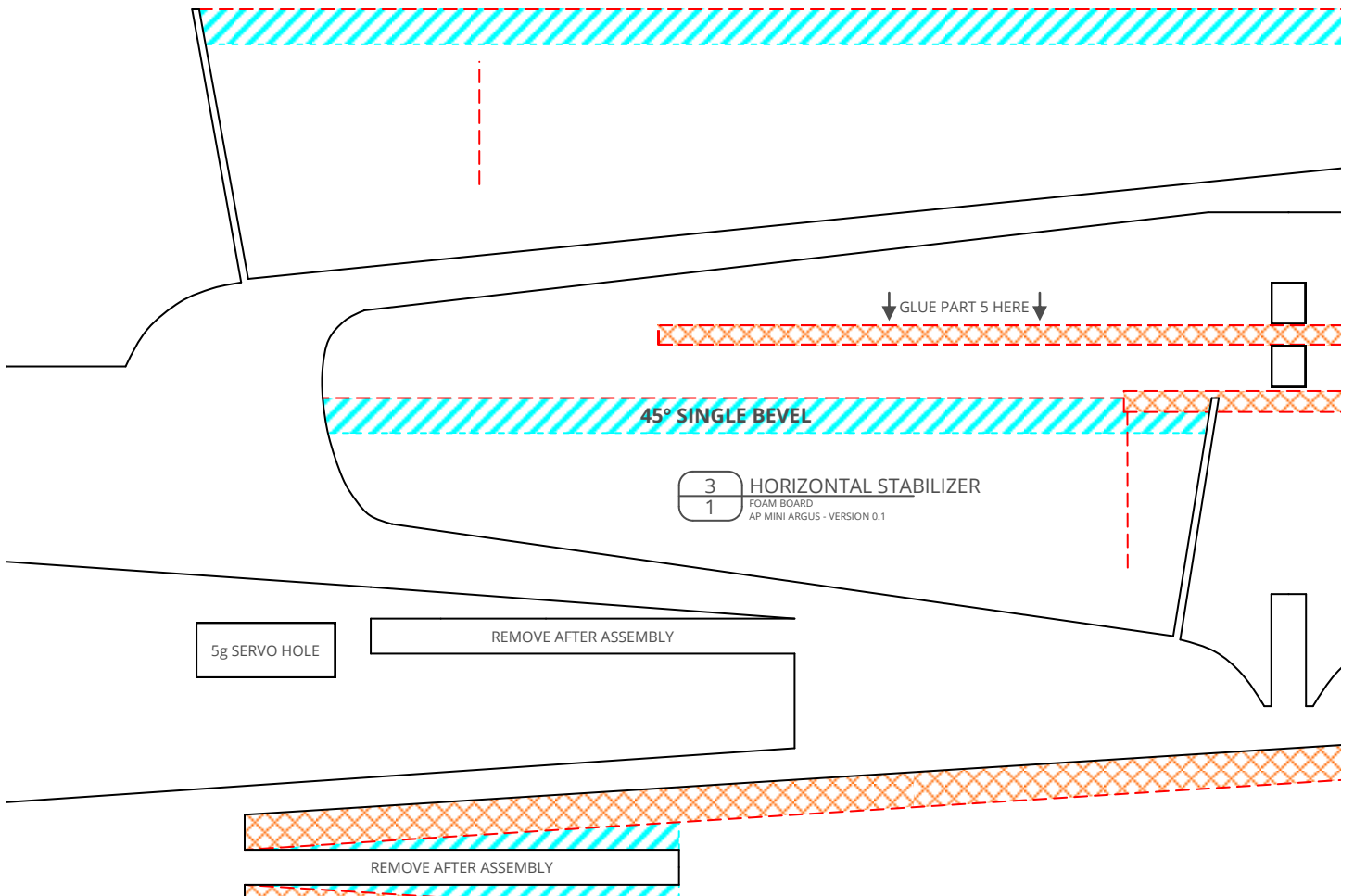


ANEL

VERSION 0.1

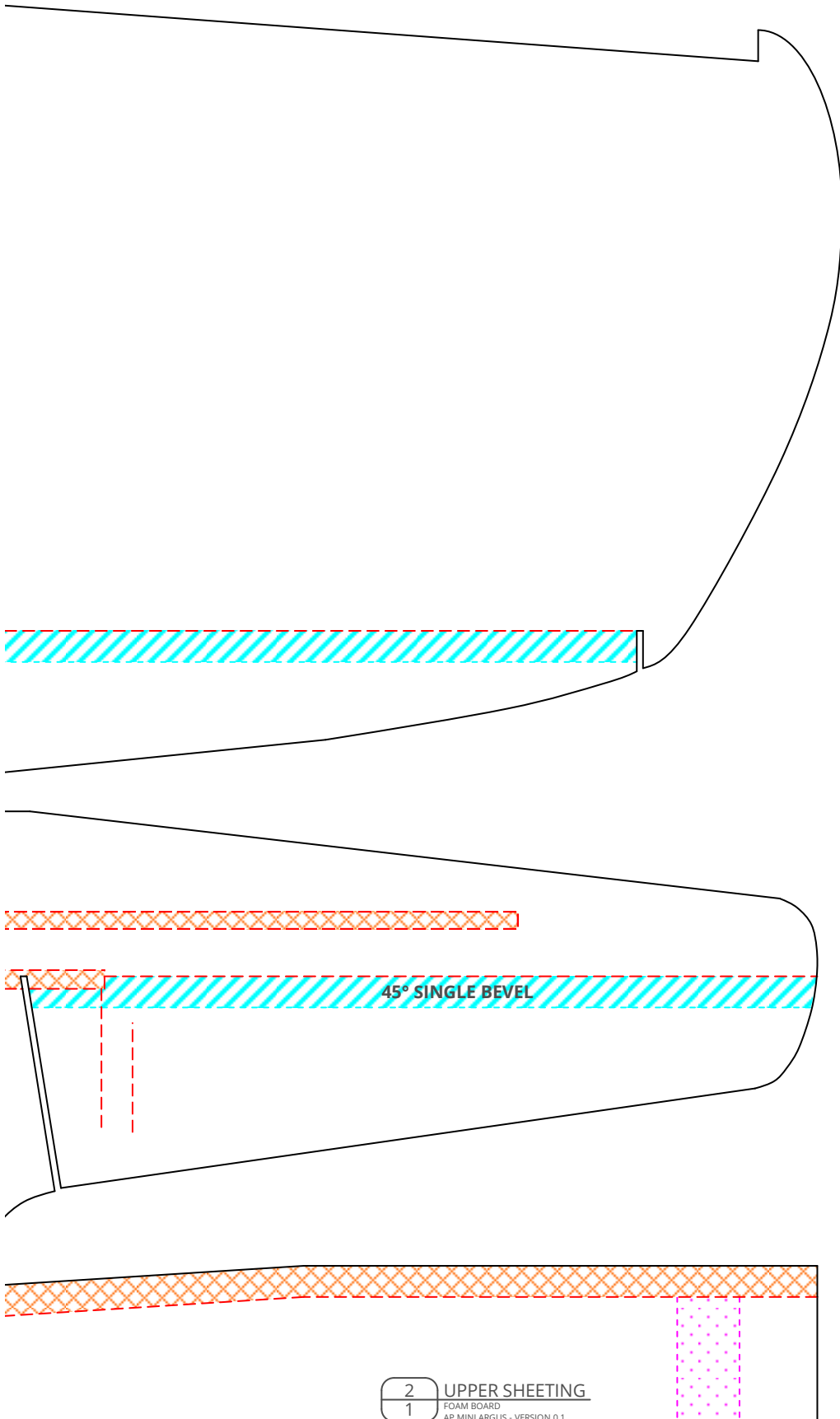


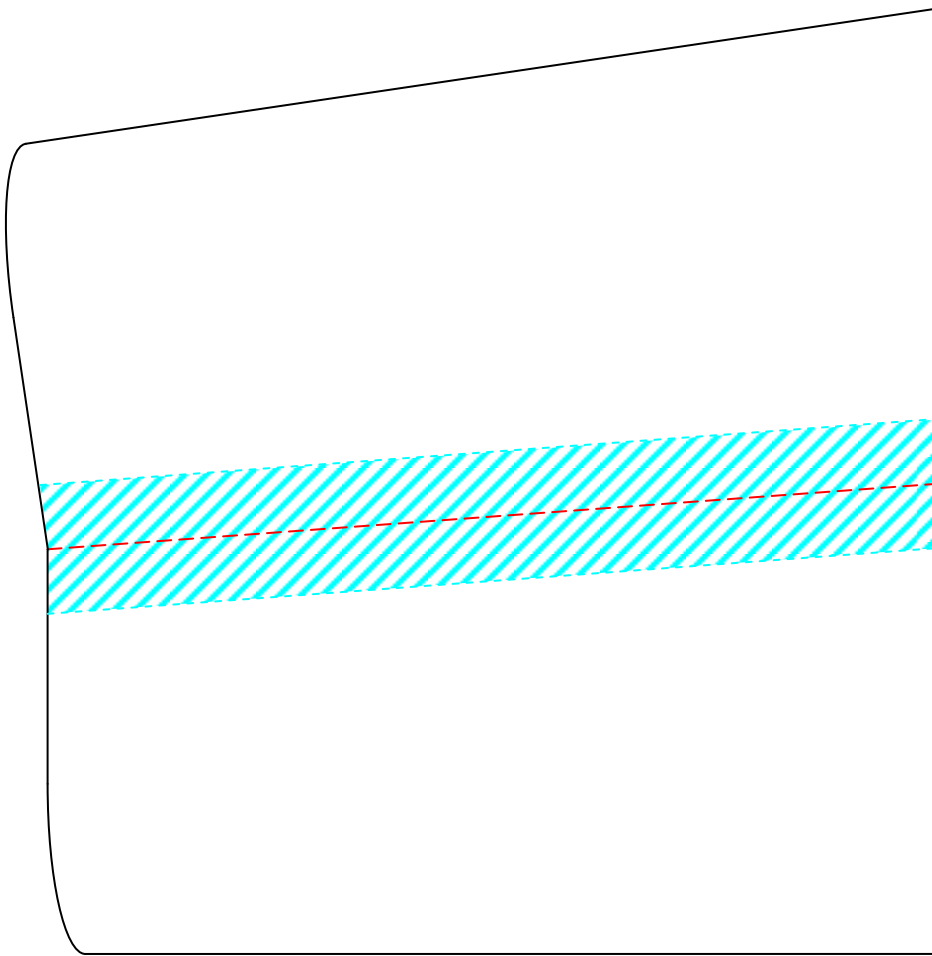
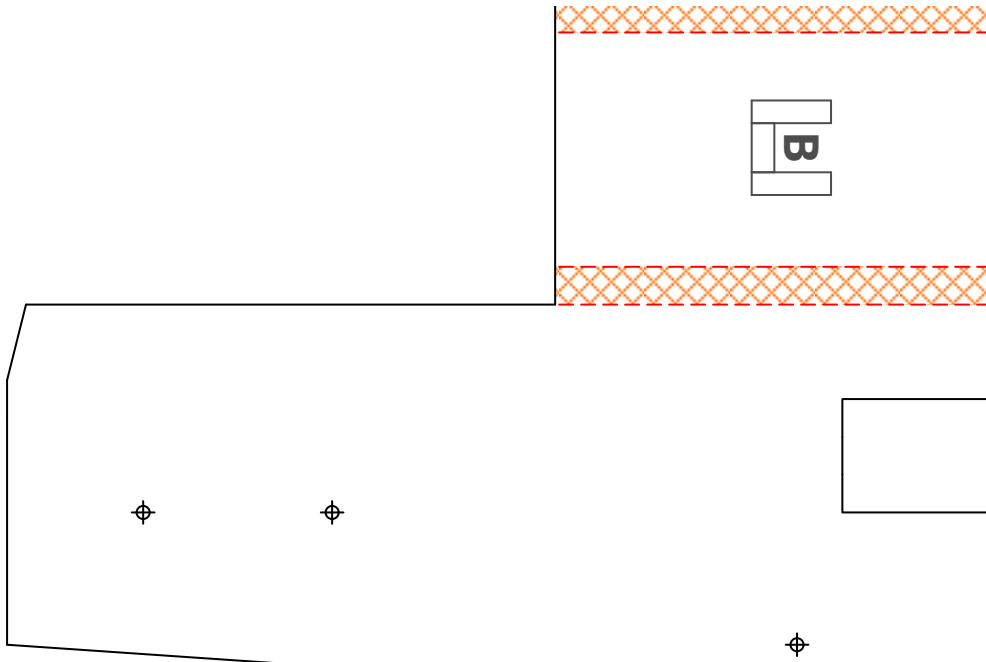
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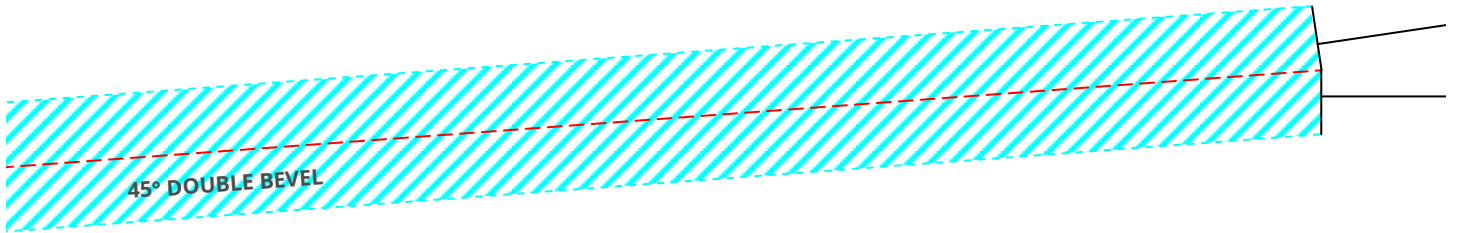
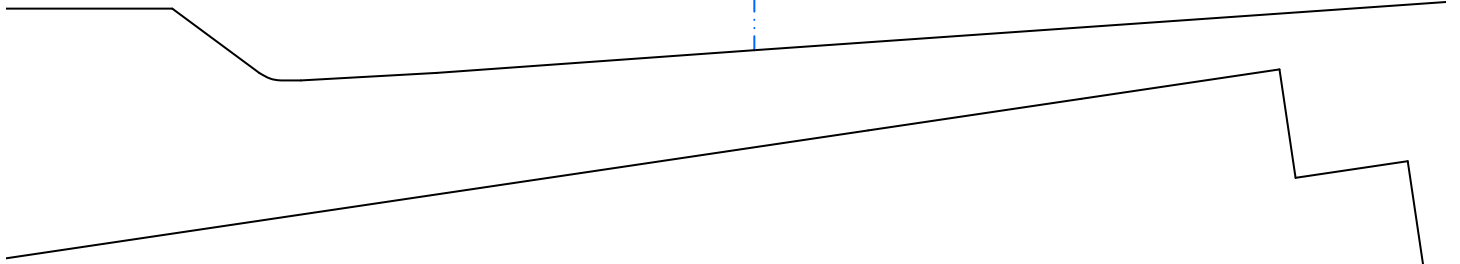
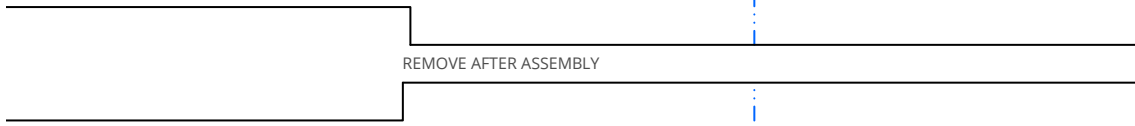
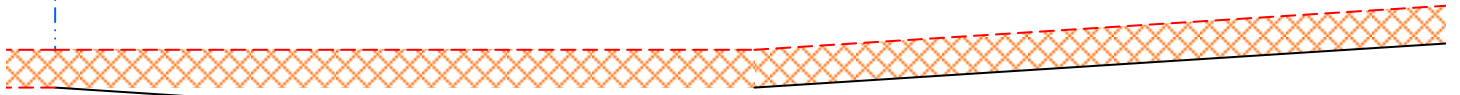




FOAM BOARD (30 x 20 in | 762 x 508 mm) - SHEET 1 OF 1

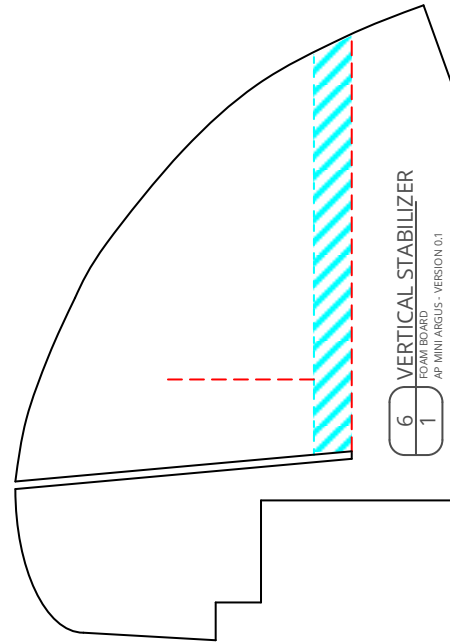
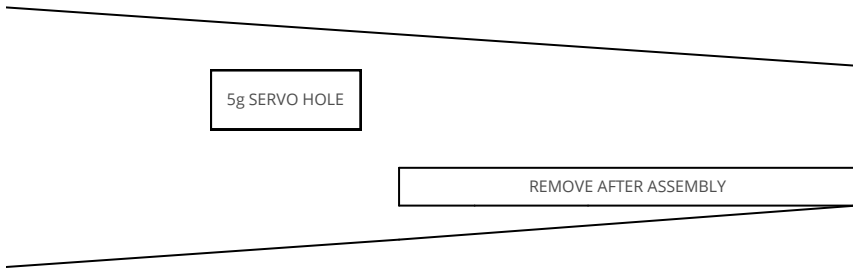
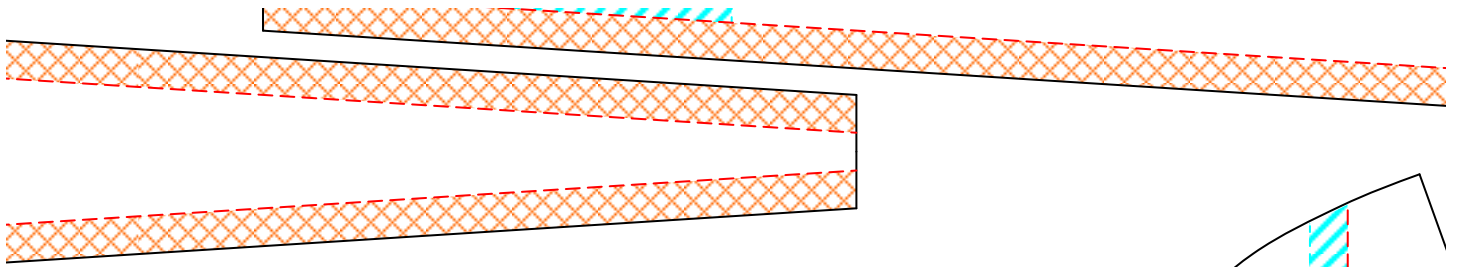




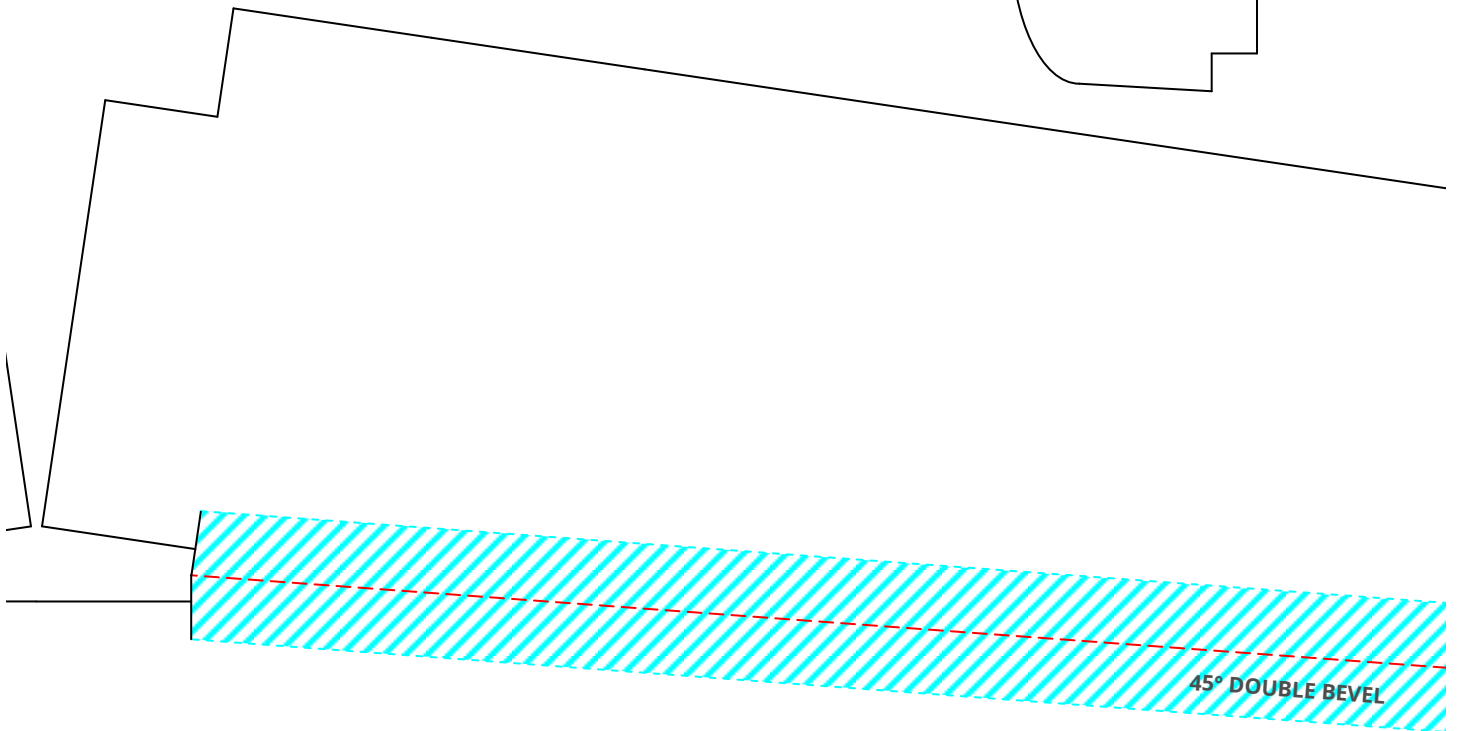


9 OL
1 FOAM
AP M





6 VERTICAL STABILIZER
FOAM BOARD
AP MINI ARGUS - VERSION 0.1
1



JTER WING PANEL
V BOARD
IINI ARGUS - VERSION 0.1



