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AP ARGUS

Version 1.1 (2020-01-31)

Design & Drawing by: Tony Roehling



GENERAL SPECIFICATIONS

WINGSPAN: 1100 mm | 43.31 in
LENGTH: 810 mm | 31.89 in
CG 40 mm | 1.57 in
DRY WEIGHT: 502 g | 17.71 oz
ALL UP WEIGHT: 667 g | 23.53 oz (with 1600 mAh 4s)
WING LOADING: 28.9 g/dm² | 9.5 oz/ft²
WCL: 6
EXPO: 30 %
CHANNELS: 4 (THR | AIL | ELV | RUD)



RECOMMENDED SETUP

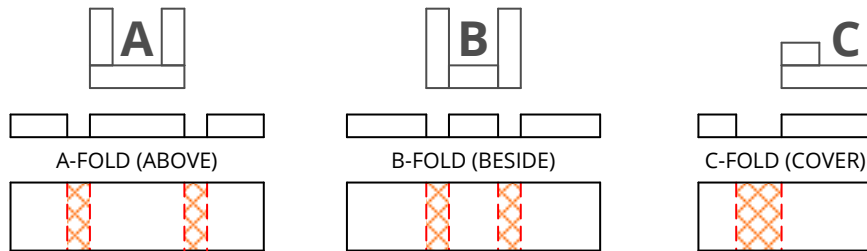
MOTOR: 935 kv (2212)
PROPELLER: 8 x 4
ESC: 30 A
SERVOS: 4 x 9 g
BATTERY: 1600 mAh 4s (Turnigy nano-tech)



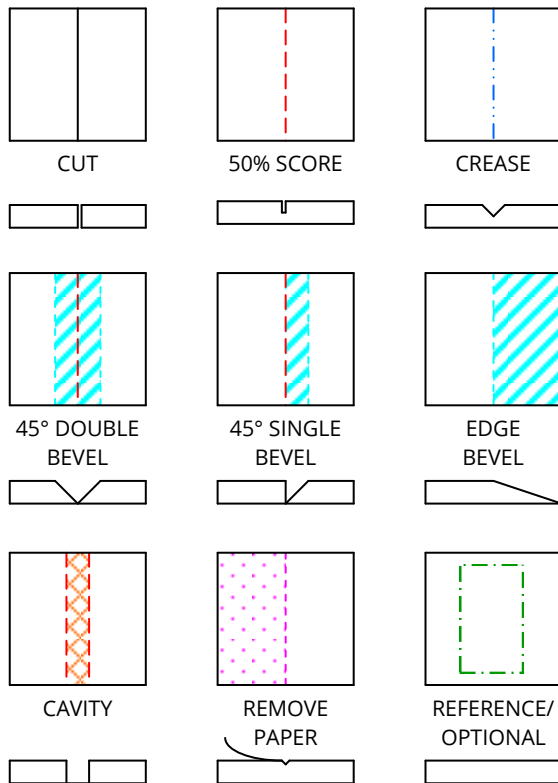
DRAWING KEY

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

FOLD TYPES

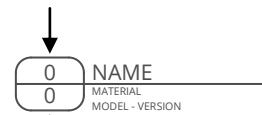


LINE TYPE/COLOR



SYMBOLS

PART NUMBER



QUANTITY



DOWEL HOLE



CENTER OF GRAVITY (CG)

AP ARGUS - PARTS LIST

Version 1.1 (2020-01-31)

PART NR.	DESCRIPTION	QUANTITY	MATERIAL	SHEET
G1	90° TRIANGLE	1	FOAM BOARD	1
1	FRONT FUSELAGE	1	FOAM BOARD	1
2	WING SPAR FRAME	1	FOAM BOARD	1
3	POWER POD SPACER	2	FOAM BOARD	1
4	POWER POD PLATE	1	FOAM BOARD	1
5	FORMER A	1	FOAM BOARD	1
6	LOWER NOSE	1	FOAM BOARD	1
7	AIR INTAKE	1	FOAM BOARD	1
8	MOTOR COWLING	1	FOAM BOARD	1
9	REAR FUSELAGE	1	FOAM BOARD	1
10	FORMER B	1	FOAM BOARD	1
11	FORMER C	1	FOAM BOARD	1
12	WING SPACER	2	FOAM BOARD	1
13	LEFT WING PANEL	1	FOAM BOARD	2
14	RIGHT WING PANEL	1	FOAM BOARD	3
15	FRONT WING SPAR	4	FOAM BOARD	4
16	REAR WING SPAR	4	FOAM BOARD	4
17	WING SHEETING	2	FOAM BOARD	4
18	CENTER WING SPAR	4	FOAM BOARD	4
19	WING SPAR REINFORCEMENT	4	BBQ SKEWER	NF1
20	HORIZONTAL STABILIZER	1	FOAM BOARD	2
21	H-STAB REINFORCEMENT	1	BBQ SKEWER	NF1
22	ELEVATOR COMBINER	1	STEEL WIRE	NF2
23	VERTICAL STABILIZER	1	FOAM BOARD	1
24	LEFT SHEETING	1	FOAM BOARD	1
25	RIGHT SHEETING	1	FOAM BOARD	1
26	BATTERY HATCH	1	FOAM BOARD	1
27	FRONT HATCH FORMER	1	FOAM BOARD	1
28	REAR HATCH FORMER	1	FOAM BOARD	1
29	CANOPY	1	FOAM BOARD	1
30	HATCH MOUNT	2	FOAM BOARD	1
31	HATCH MOUNT PIN	1	BBQ SKEWER	NF1
32	WHEEL	4	FOAM BOARD OR PRINTED	3
33	WHEEL SUPPORT DISC	8	PLASTC CARD OR PRINTED	NF2
34	LEFT WHEEL SHEETING	2	FOAM BOARD	3
35	RIGHT WHEEL SHEETING	2	FOAM BOARD	3
36...."	LANDING GEAR LEG (CHOOSE FOR PROPELLER SIZE: 7", 8", 9")	2	FOAM BOARD	3
37...."	LEG REINFORCEMENT (CHOOSE FOR PROPELLER SIZE: 7", 8", 9")	6	BBQ SKEWER	NF1
38	SPACER	2	FOAM BOARD	3
39	REAR WHEEL SHEETING	2	FOAM BOARD	3
40	FRONT WHEEL SHEETING	2	FOAM BOARD	3
41	WHEEL MOUNT PIN	2	TOOTH PICKER	NF1
42	SKID	1	FOAM BOARD	3
43	SKID REINFORCEMENT	1	BBQ SKEWER	NF1
44	CONTROL HORN	4	PLASTIC CARD OR PRINTED	NF2
45	MINI POWER POD	1	FOAM BOARD	4
46	MINI FIREWALL	1	PLYWOOD OR PRINTED	NF2
47	POWER POD MOUNT PIN	2	BBQ SKEWER	NF1

Take a look at the BUILD GUIDE. It is available in a separate file!

AP ARGUS - SHEET NF1

Version 1.1 (2020-01-31)

BBQ SKEWER & TOOTH PICKER



19 WING SPAR REINFORCEMENT
BBQ SKEWER
AP ARGUS - VERSION 1.1
4



21 H-STAB REINFORCEMENT
BBQ SKEWER
AP ARGUS - VERSION 1.1
1



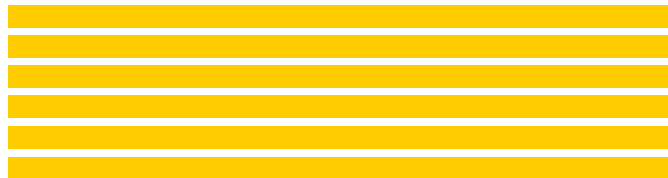
31 HATCH MOUNT PIN
BBQ SKEWER
AP ARGUS - VERSION 1.1
1



37.7" LEG REINFORCEMENT (7" Propeller)
BBQ SKEWER
AP ARGUS - VERSION 1.1
6



37.8" LEG REINFORCEMENT (8" Propeller)
BBQ SKEWER
AP ARGUS - VERSION 1.1
6



37.9" LEG REINFORCEMENT (9" Propeller)
BBQ SKEWER
AP ARGUS - VERSION 1.1
6



41 WHEEL MOUNT PIN
TOOTH PICKER
AP ARGUS - VERSION 1.1
2



43 SKID REINFORCEMENT
BBQ SKEWER
AP ARGUS - VERSION 1.1
1



47 POWER POD MOUNT PIN
BBQ SKEWER
AP ARGUS - VERSION 1.1
2

AP ARGUS - SHEET NF2

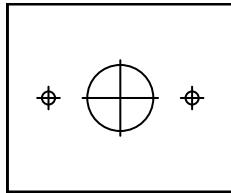
Version 1.1 (2020-01-31)

STEEL WIRE



22 ELEVATOR COMBINER
1 STEEL WIRE (Ø min. 1mm)
AP ARGUS - VERSION 1.1

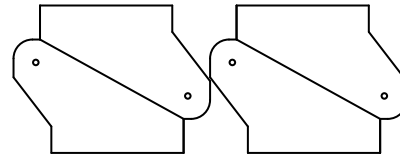
PLYWOOD OR PRINTED



46 MINI FIREWALL
1 PLYWOOD
AP ARGUS - VERSION 1.1

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

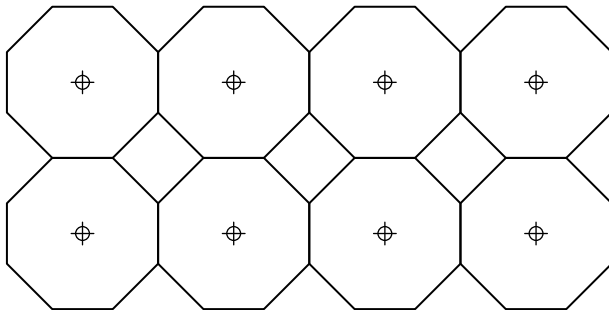
PLASTIC CARD OR PLYWOOD OR PRINTED



44 CONTROL HORN
4 PLASTIC CARD
AP ARGUS - VERSION 1.1

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

PLASTIC CARD OR PRINTED



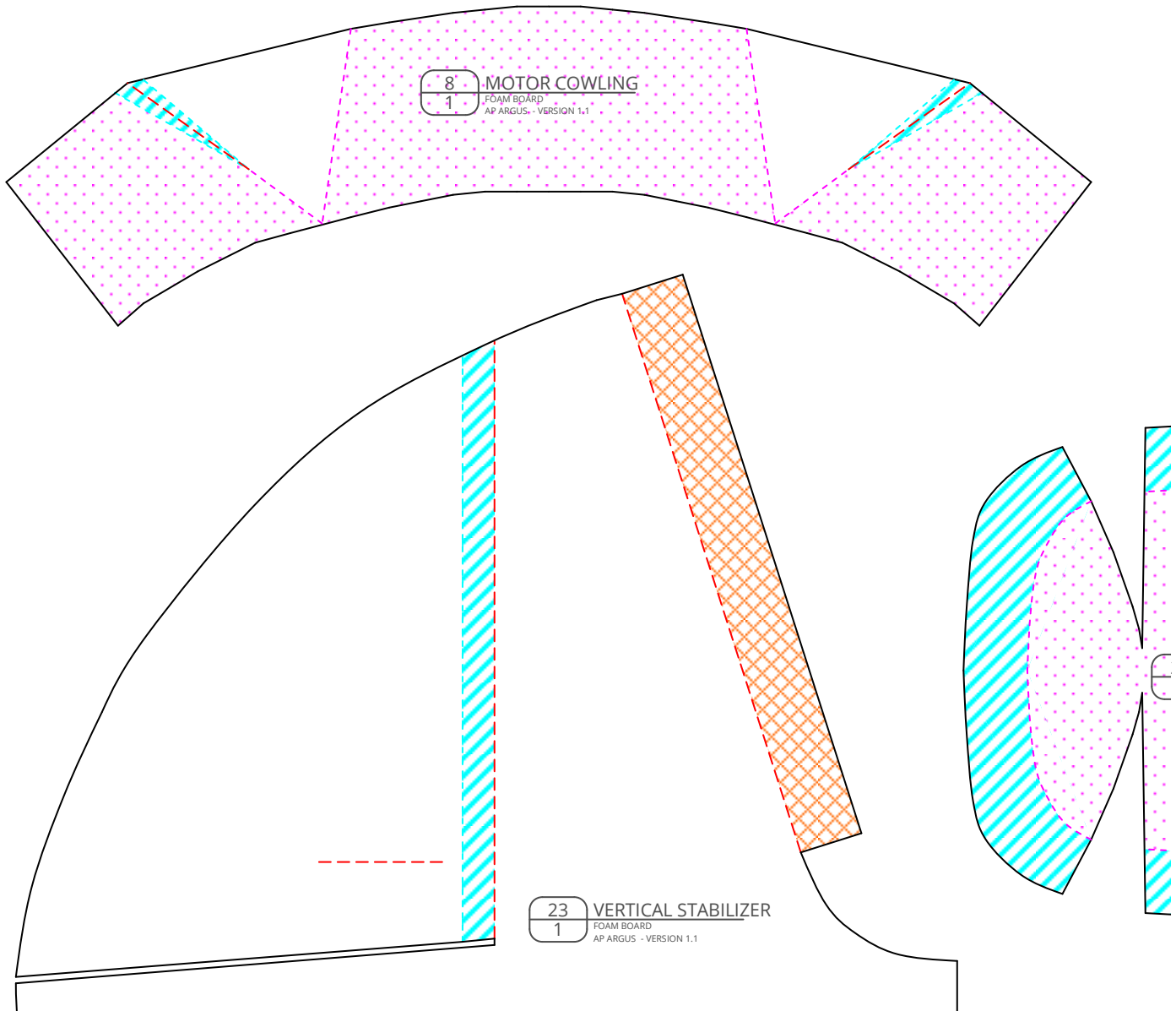
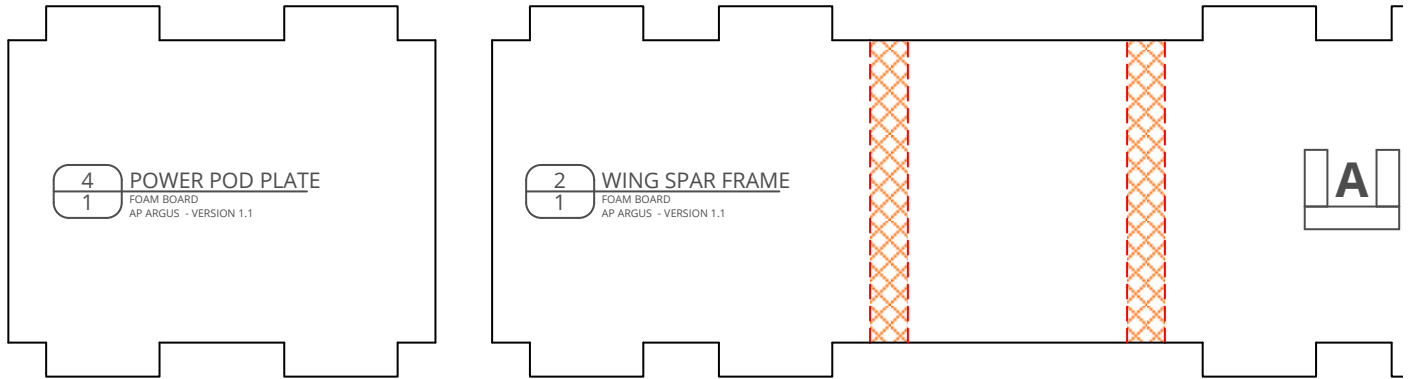
33 WHEEL SUPPORT DISC
8 PLASTIC CARD
AP ARGUS - VERSION 1.1

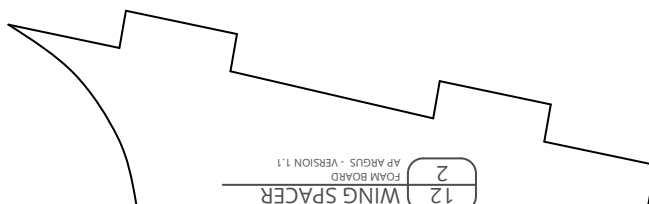
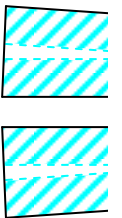
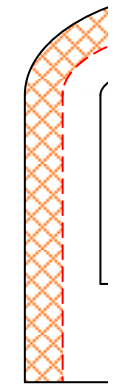
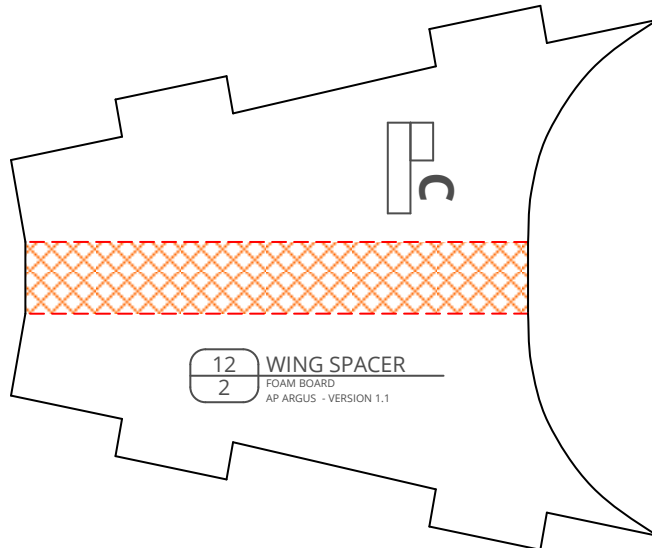
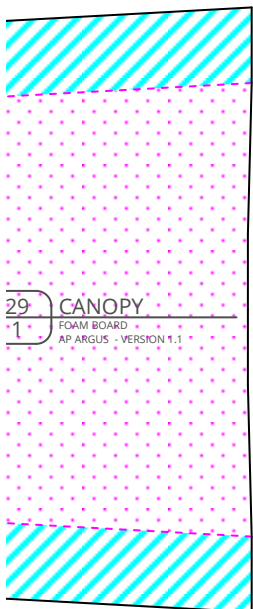
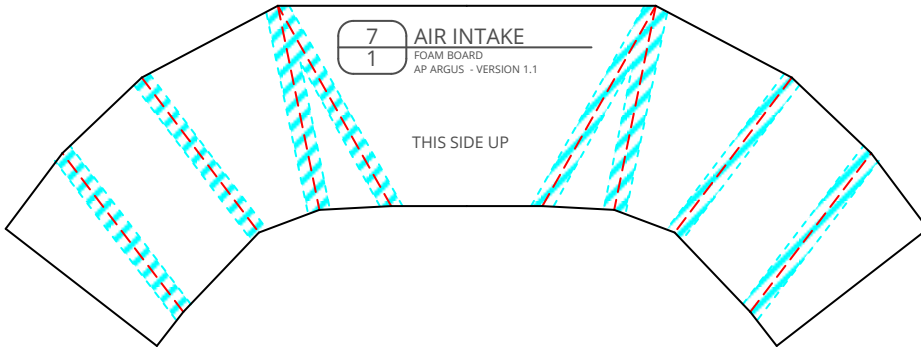
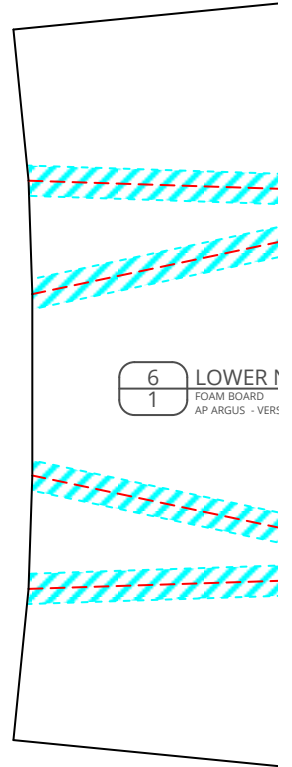
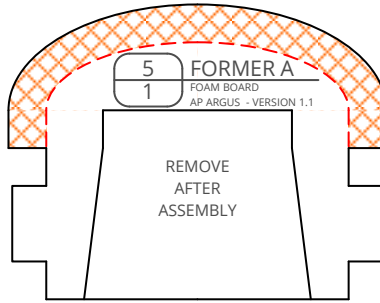
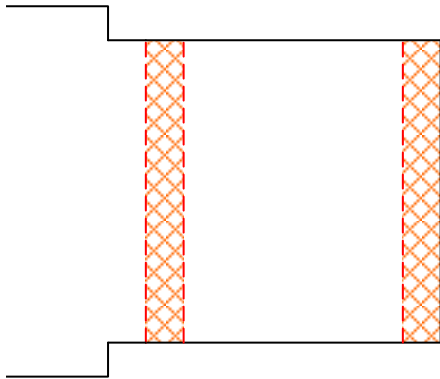
Cut out the wheel support discs from a plastic card or print them. If you use printed or purchased wheels, you only need 4 wheel support discs for the wheel shoe.

AP ARGUS - VERSION 1.1 (2020-01-31)



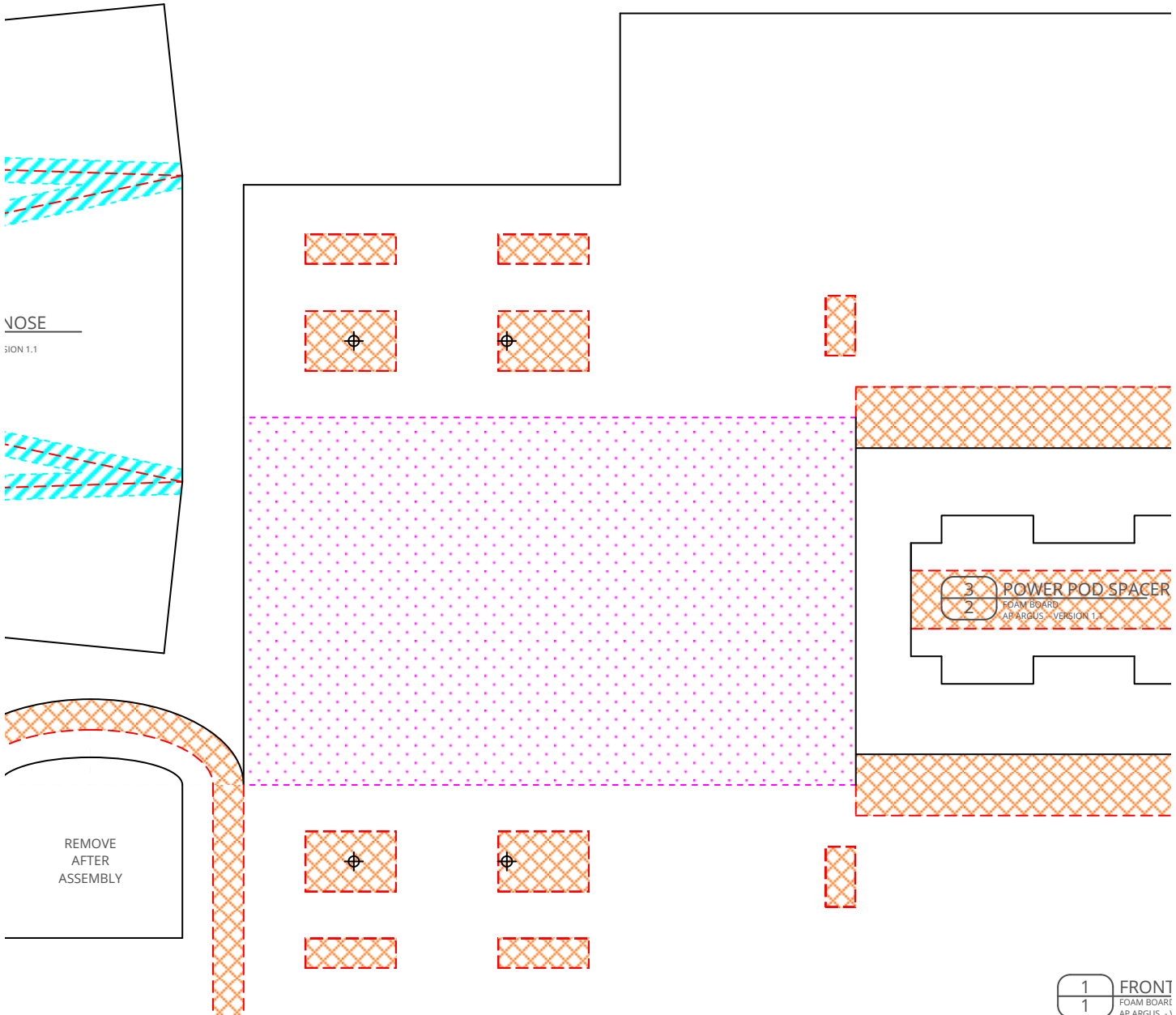
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VERSION 1.1



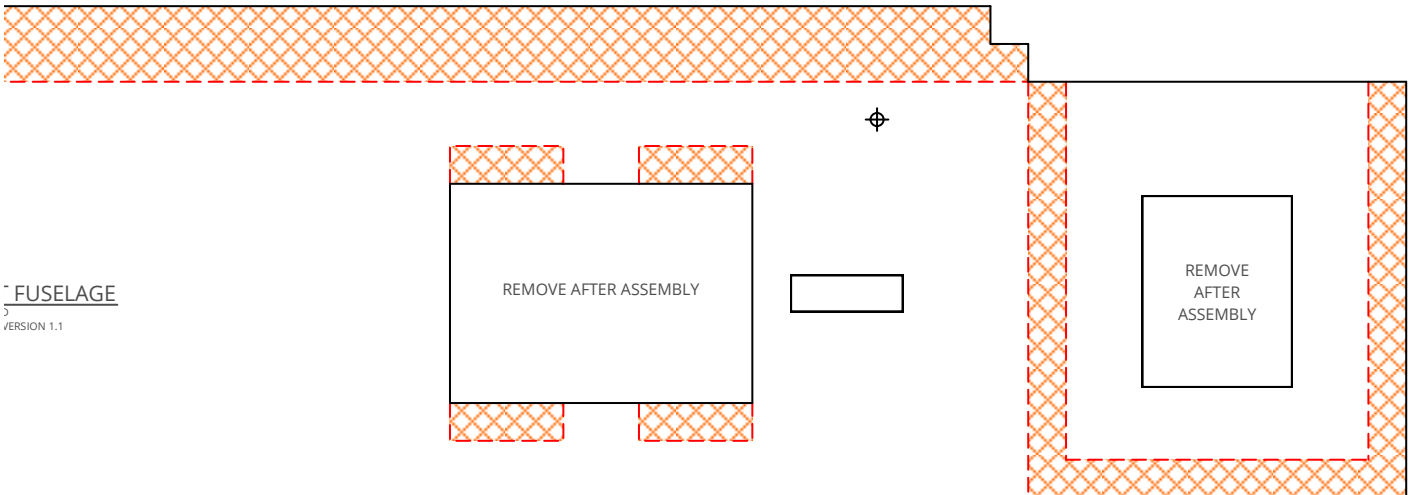
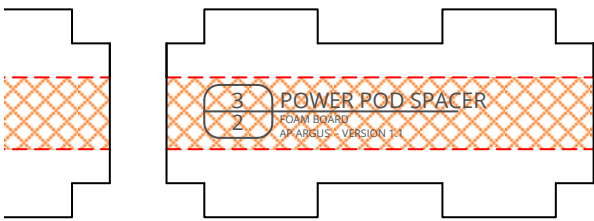
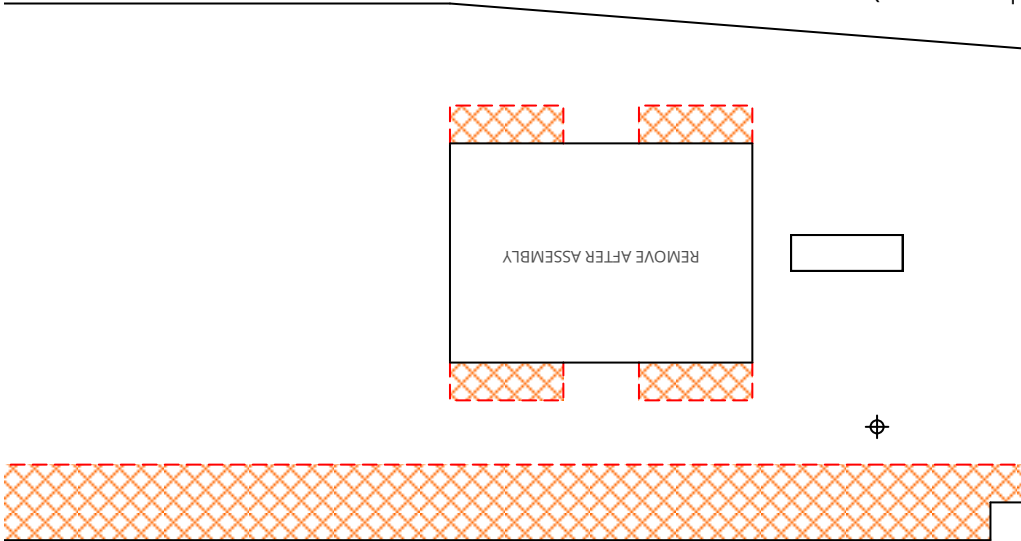
24 LEFT SHEETING
1 FOAM BOARD
AP ARGUS - VERSION 1.1

25 RIGHT SHEETING
1 FOAM BOARD
AP ARGUS - VERSION 1.1

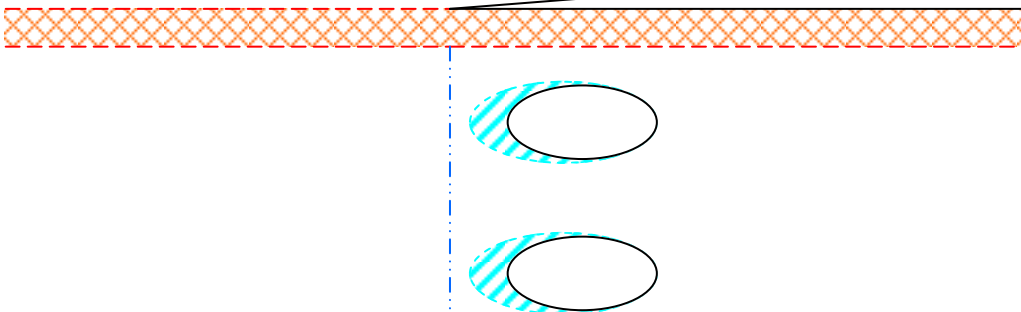
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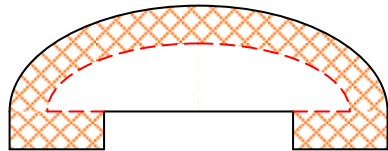
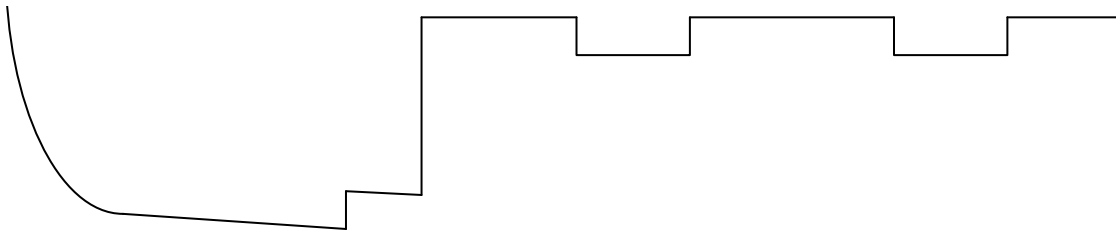


FOAM BOARD (30 x 20 in | 762 x 508 mm) - SHEET 1 OF 4

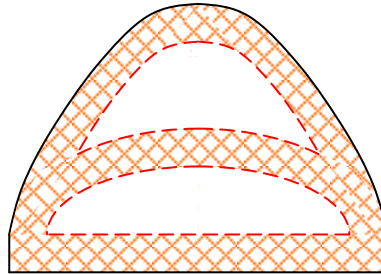


FUSELAGE
VERSION 1.1

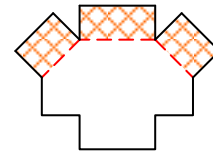




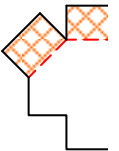
27 FRONT HATCH FORMER
1 FOAM BOARD
AP ARGUS - VERSION 1.1



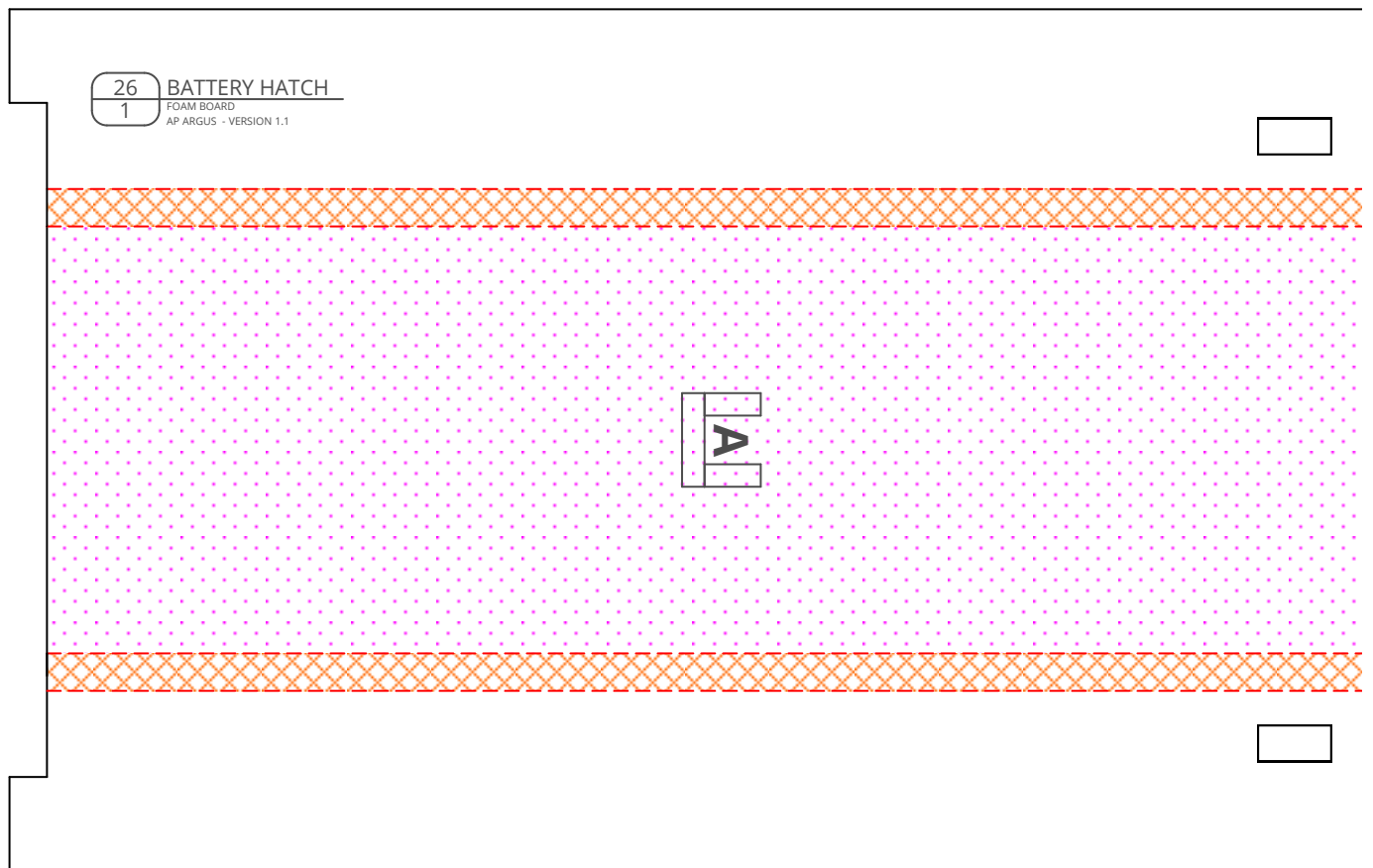
28 REAR HATCH FORMER
1 FOAM BOARD
AP ARGUS - VERSION 1.1



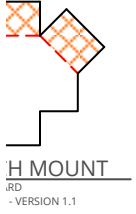
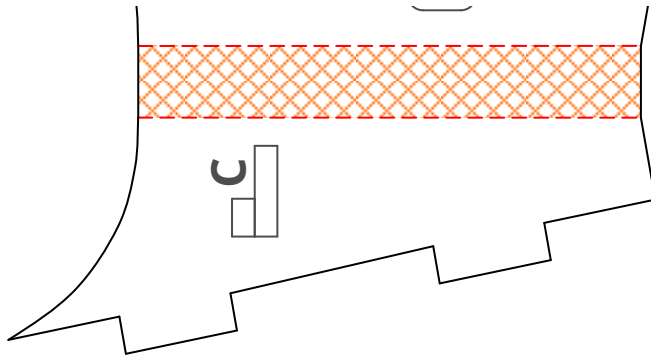
30 HATCH MOUNT
2 FOAM BOARD
AP ARGUS - VERSION 1.1



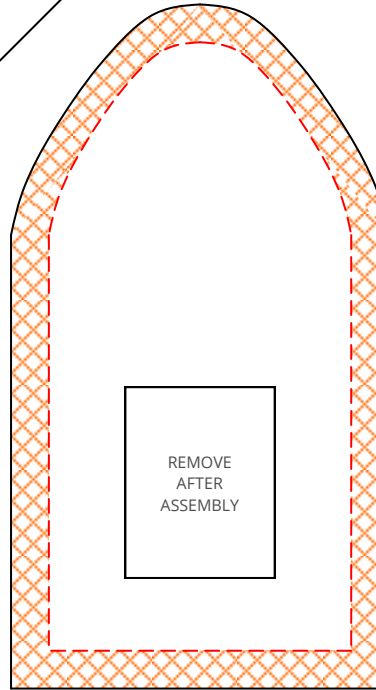
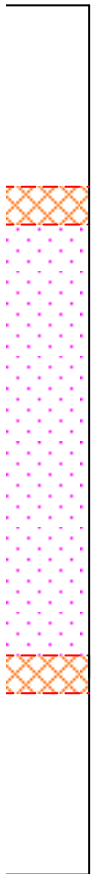
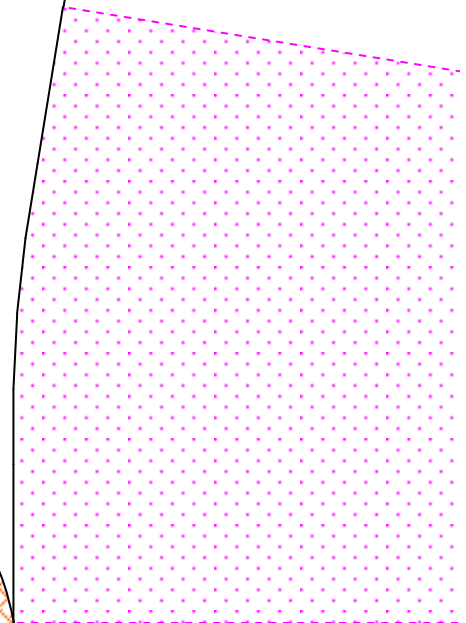
30 HATCH
2 FOAM BOARD
AP ARGUS



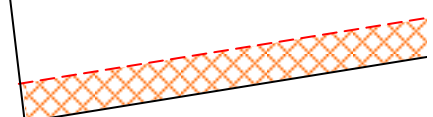
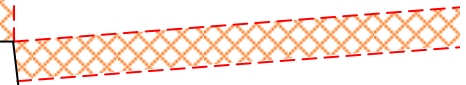
26 BATTERY HATCH
1 FOAM BOARD
AP ARGUS - VERSION 1.1

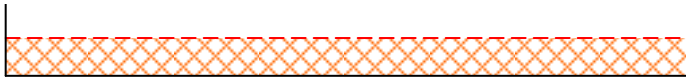


G1 90° TRIANGLE
1 FOAM BOARD
AP ARGUS - VERSION 1.1



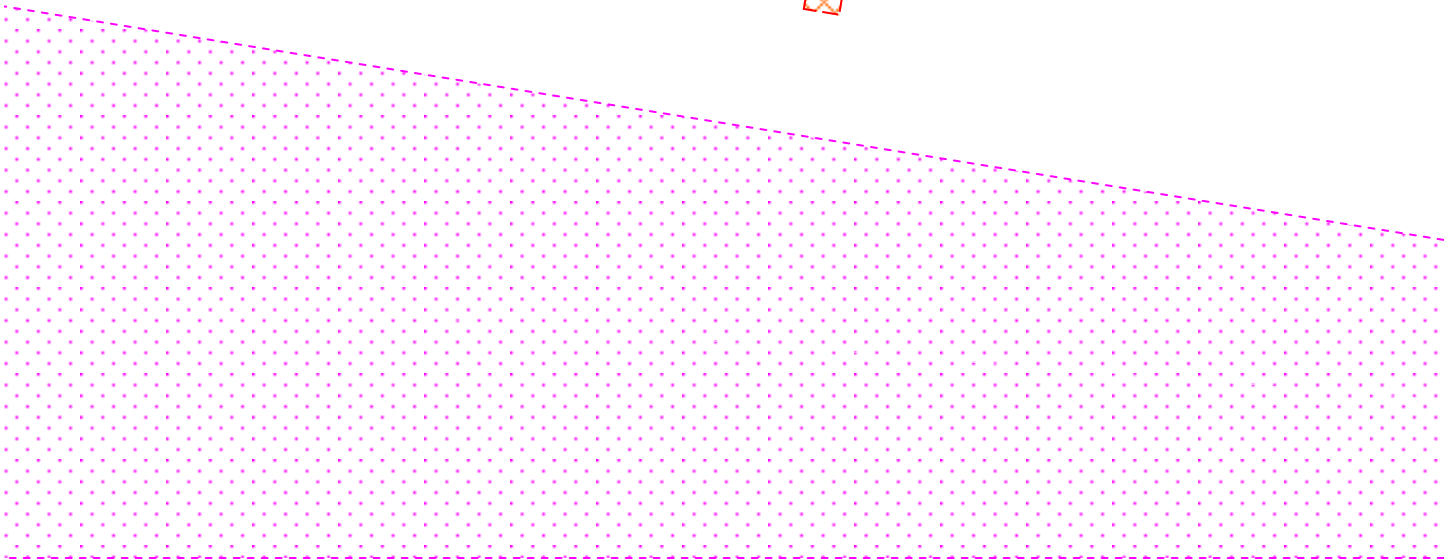
9 REAR FUSELAGE
1 FOAM BOARD
AP ARGUS - VERSION 1.1





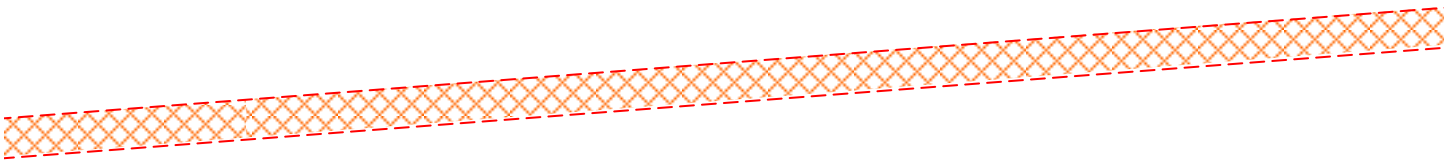
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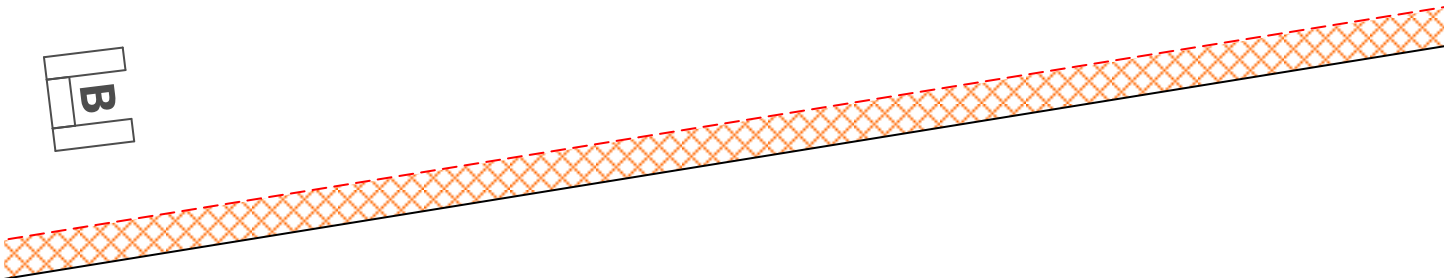


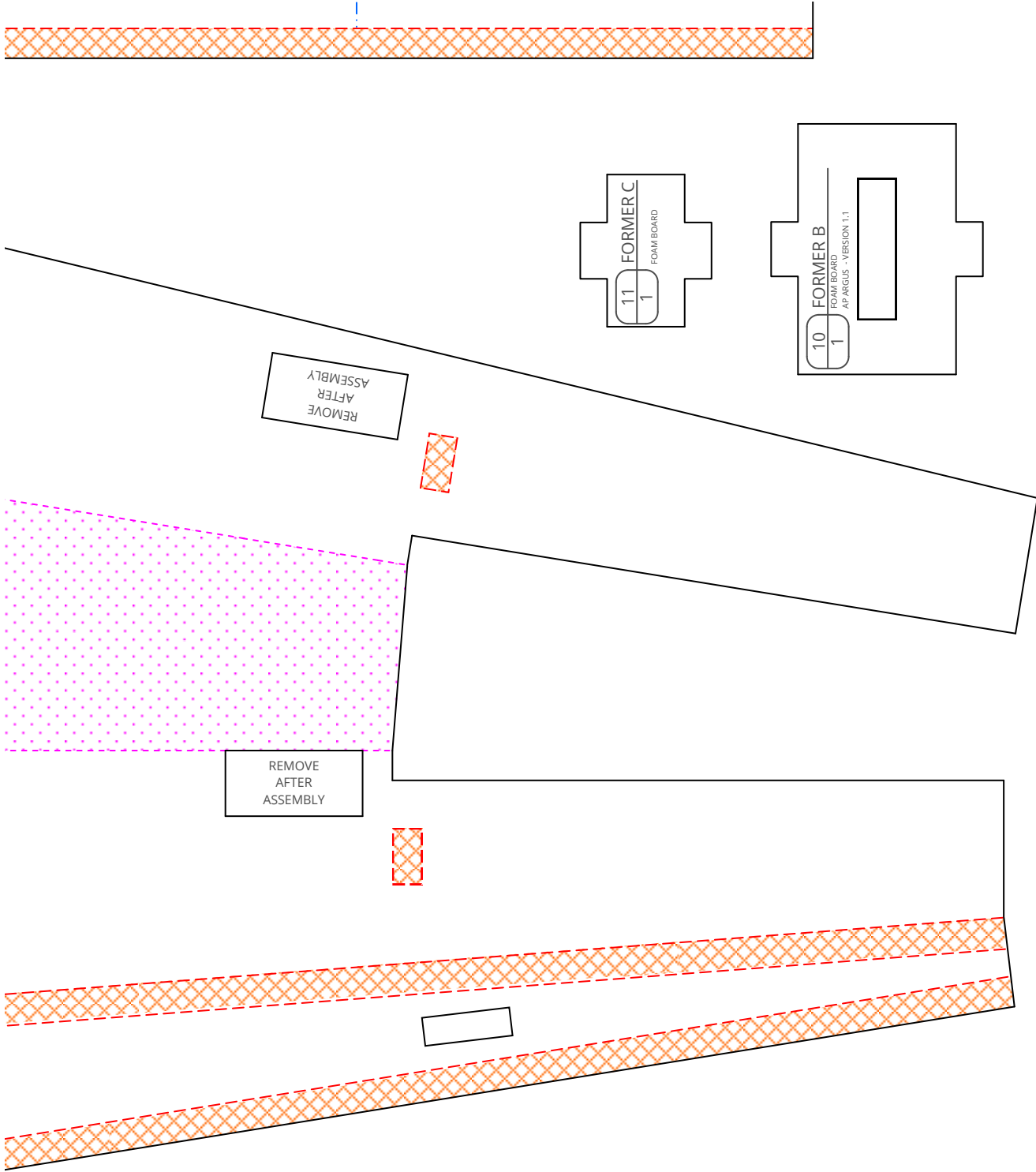
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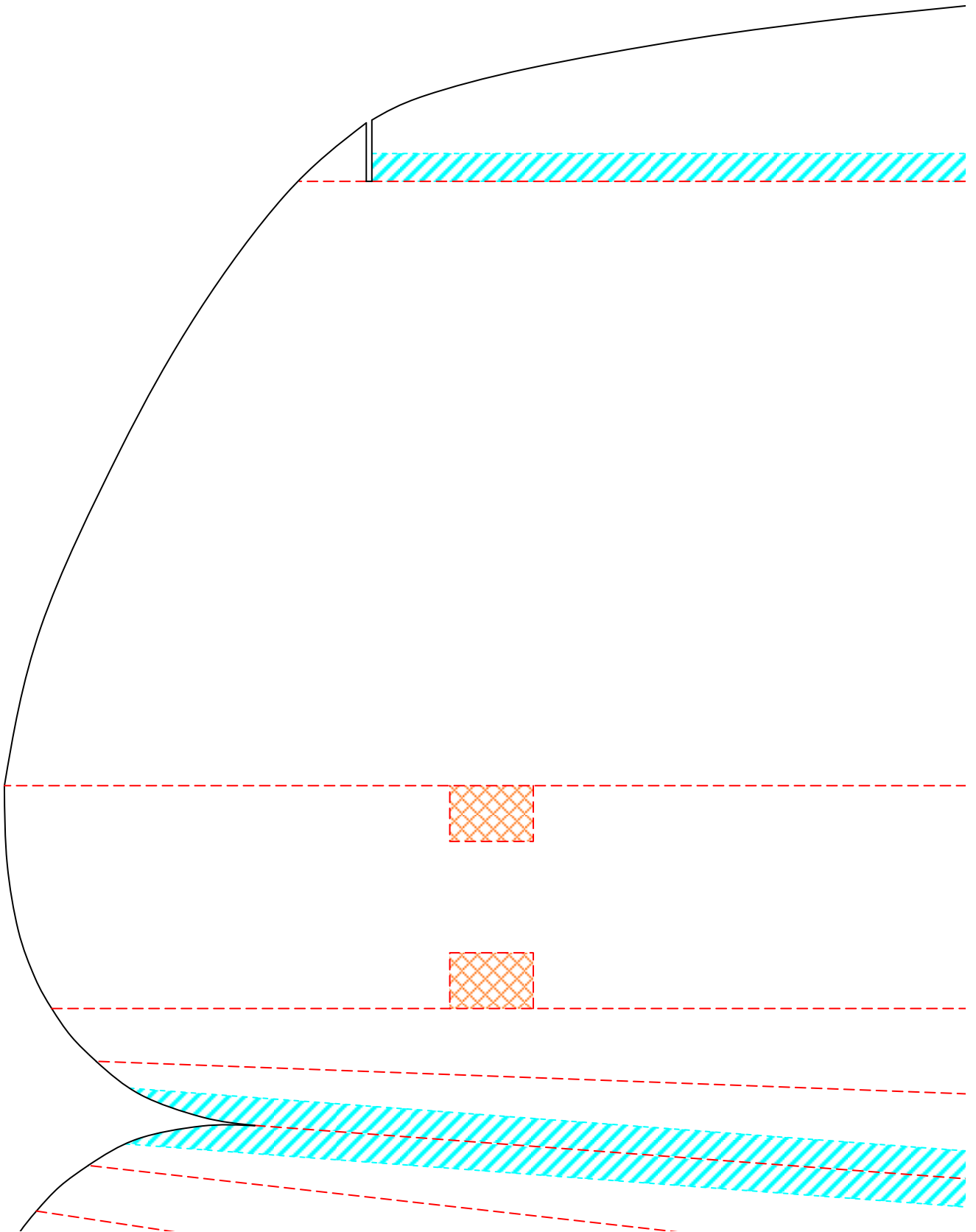


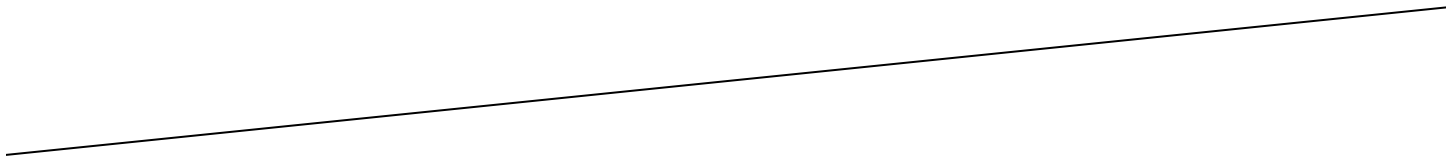


AP ARGUS - VERSION 1.1 (2020-01-31)

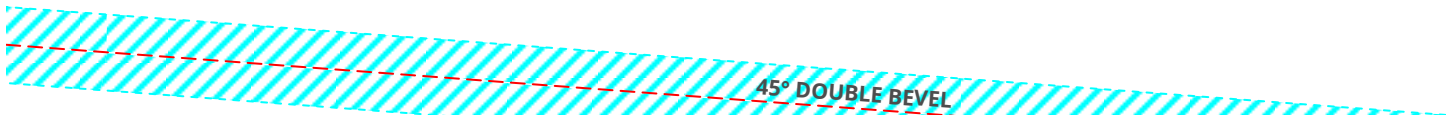
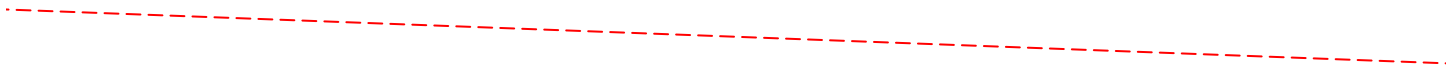


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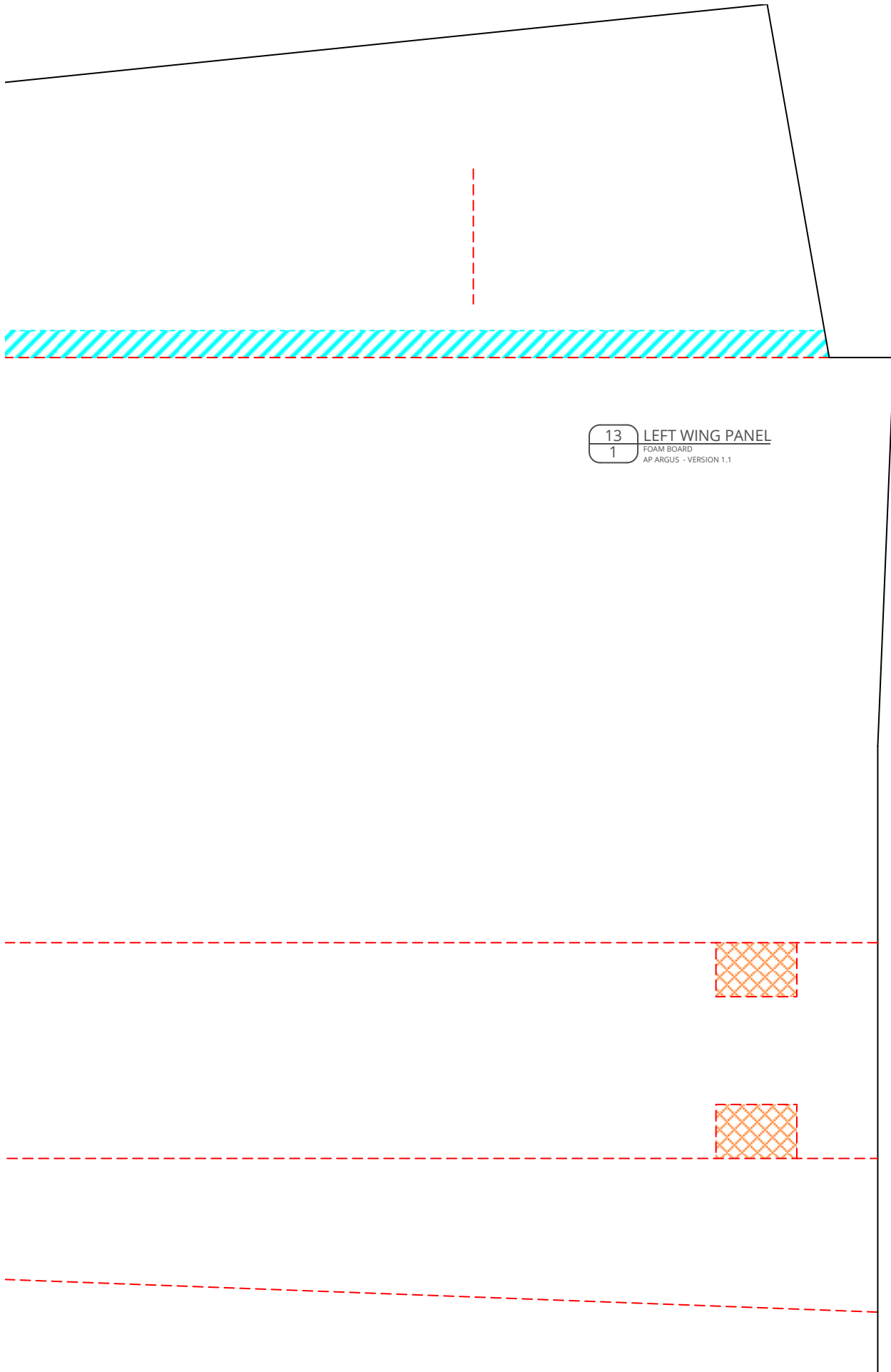




45° SINGLE BEVEL



45° DOUBLE BEVEL

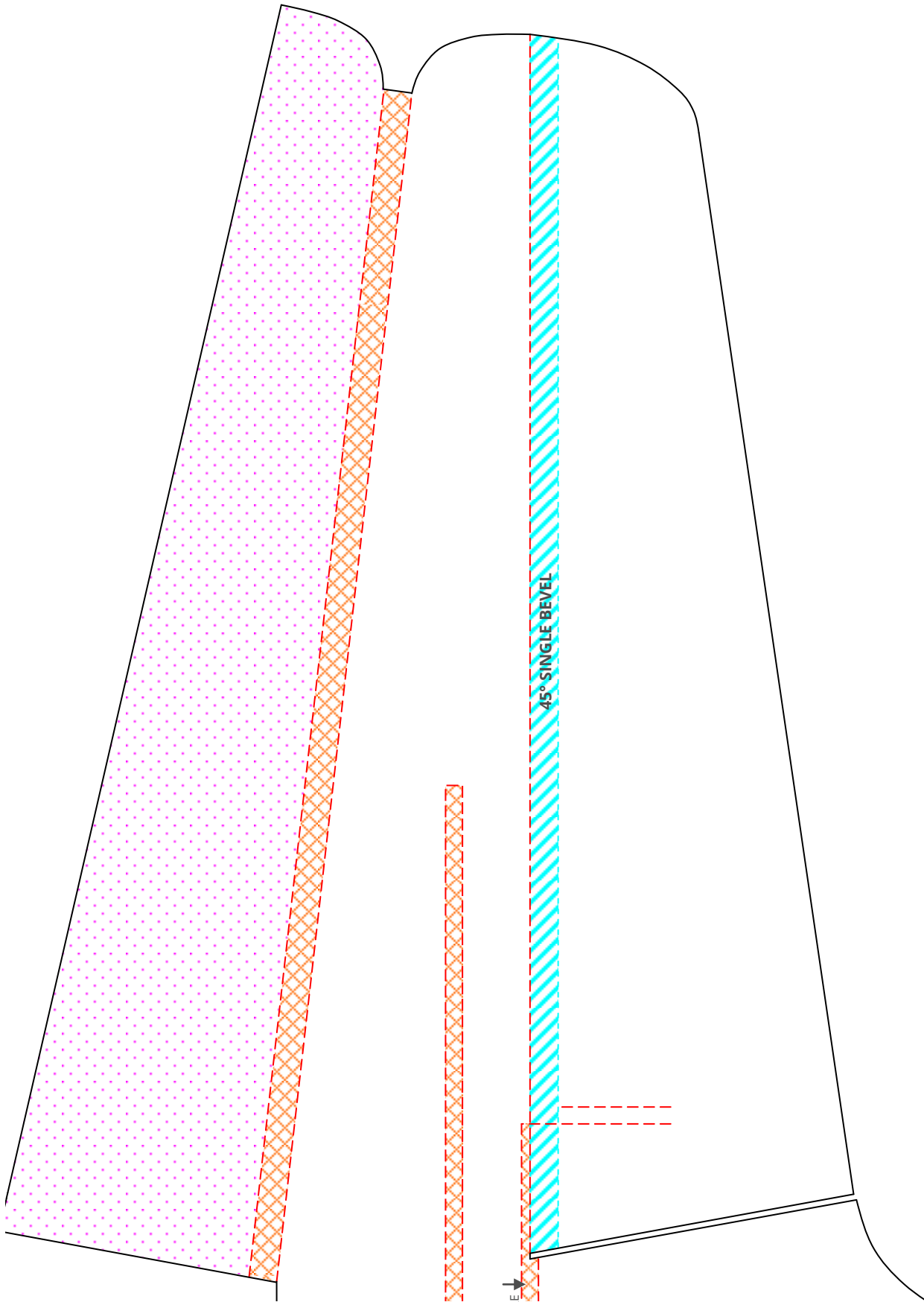


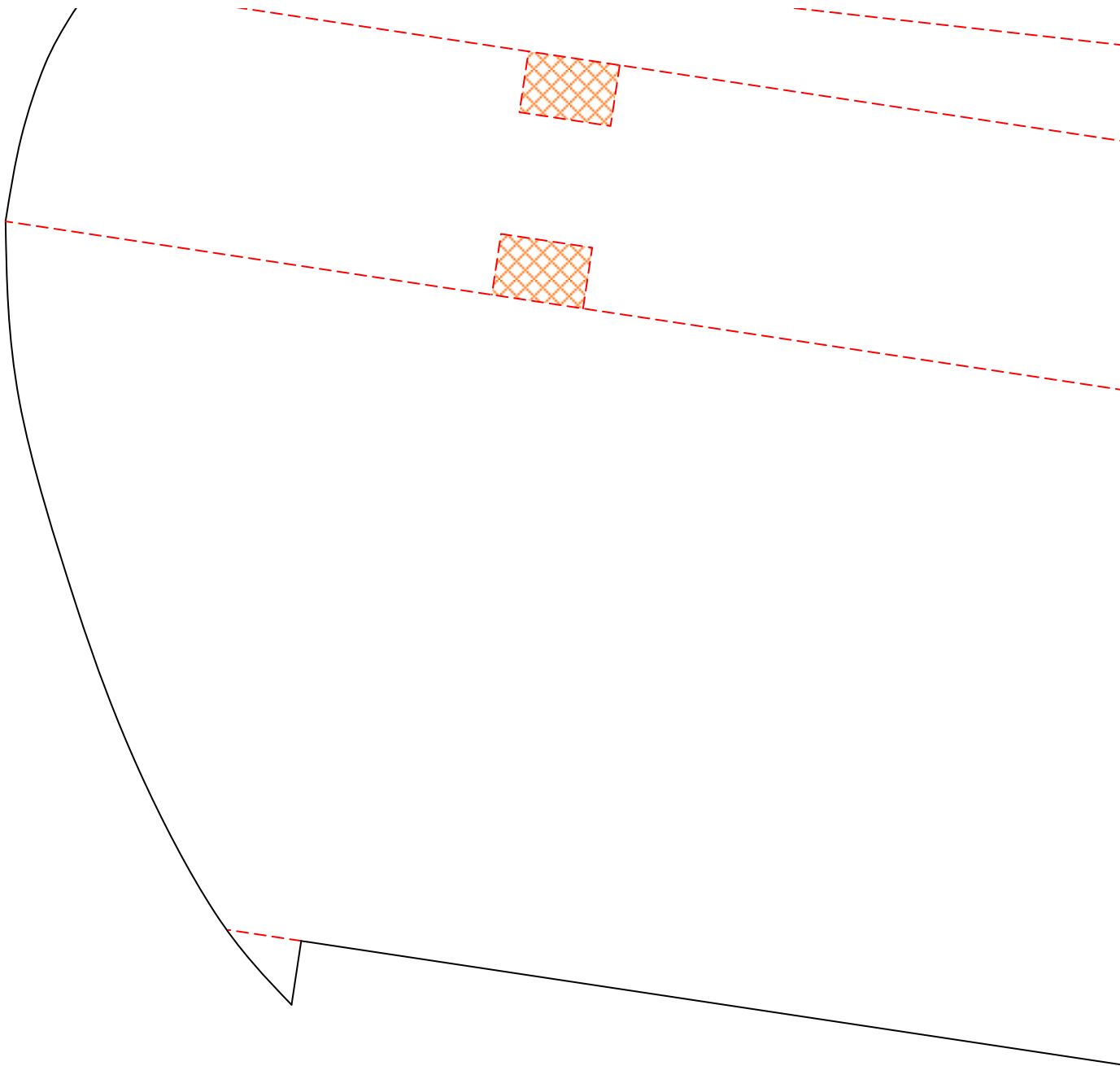
13 LEFT WING PANEL
1 FOAM BOARD
AP ARGUS - VERSION 1.1

L

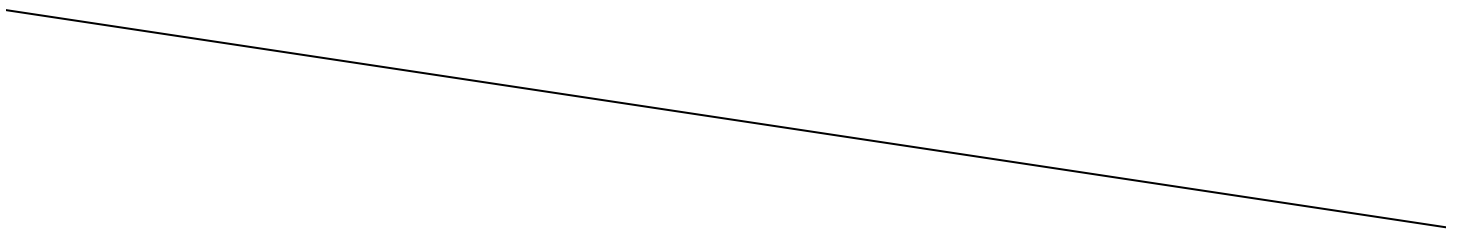
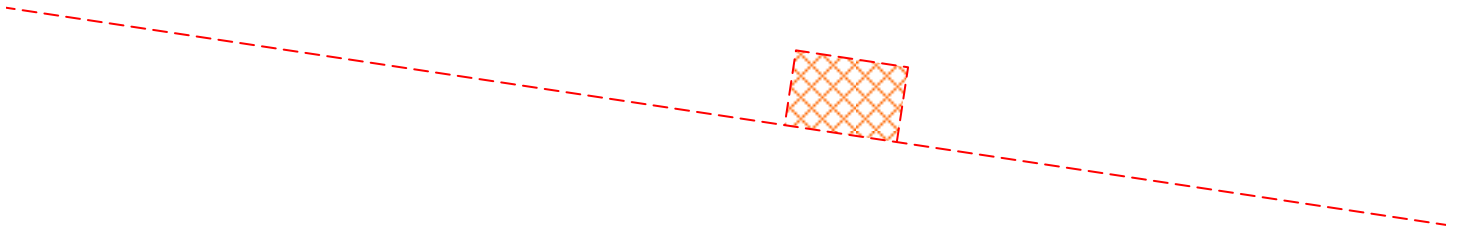
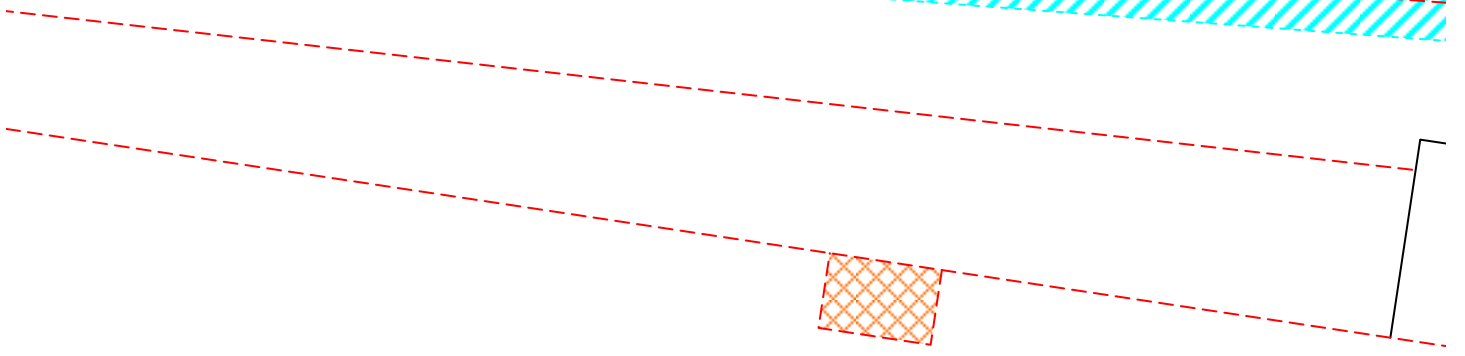
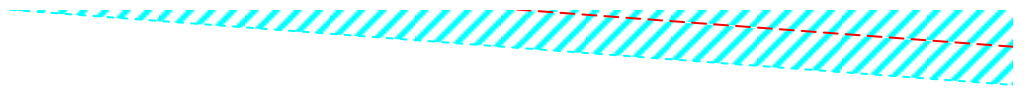


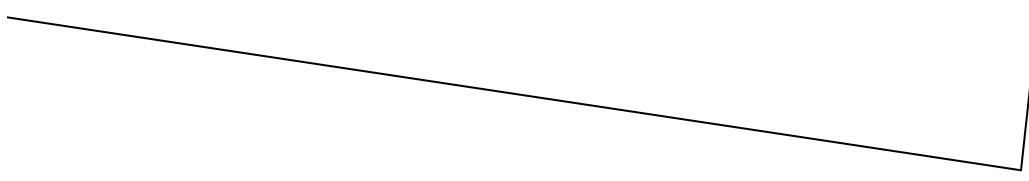
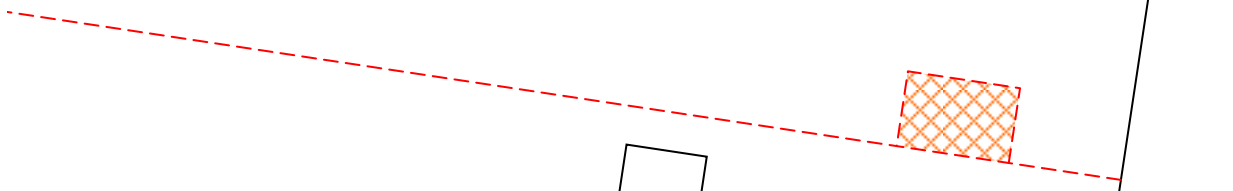
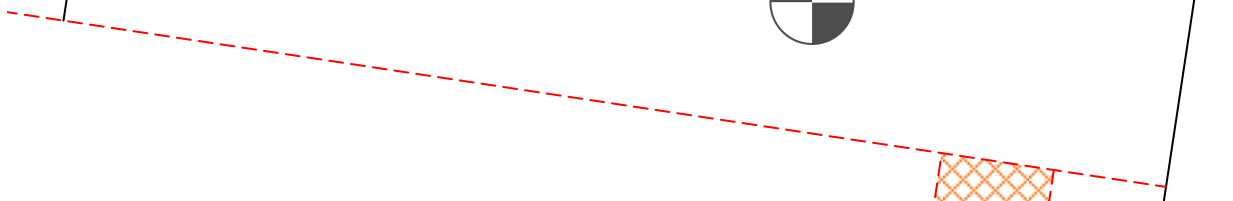
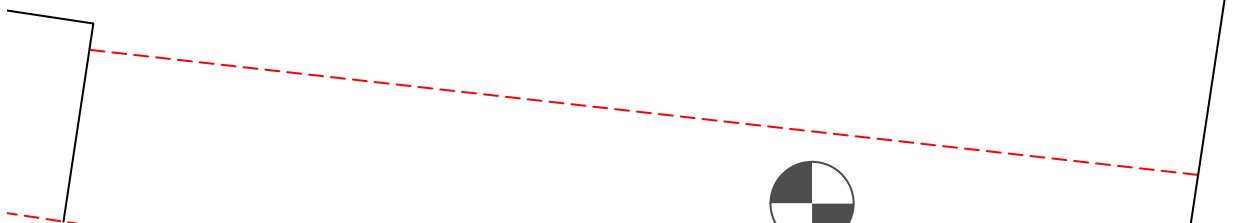
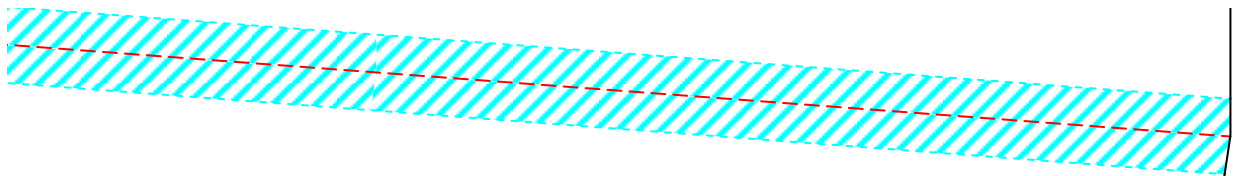
FOAM BOARD (30 x 20 in | 762 x 508 mm) - SHEET 2 OF 4

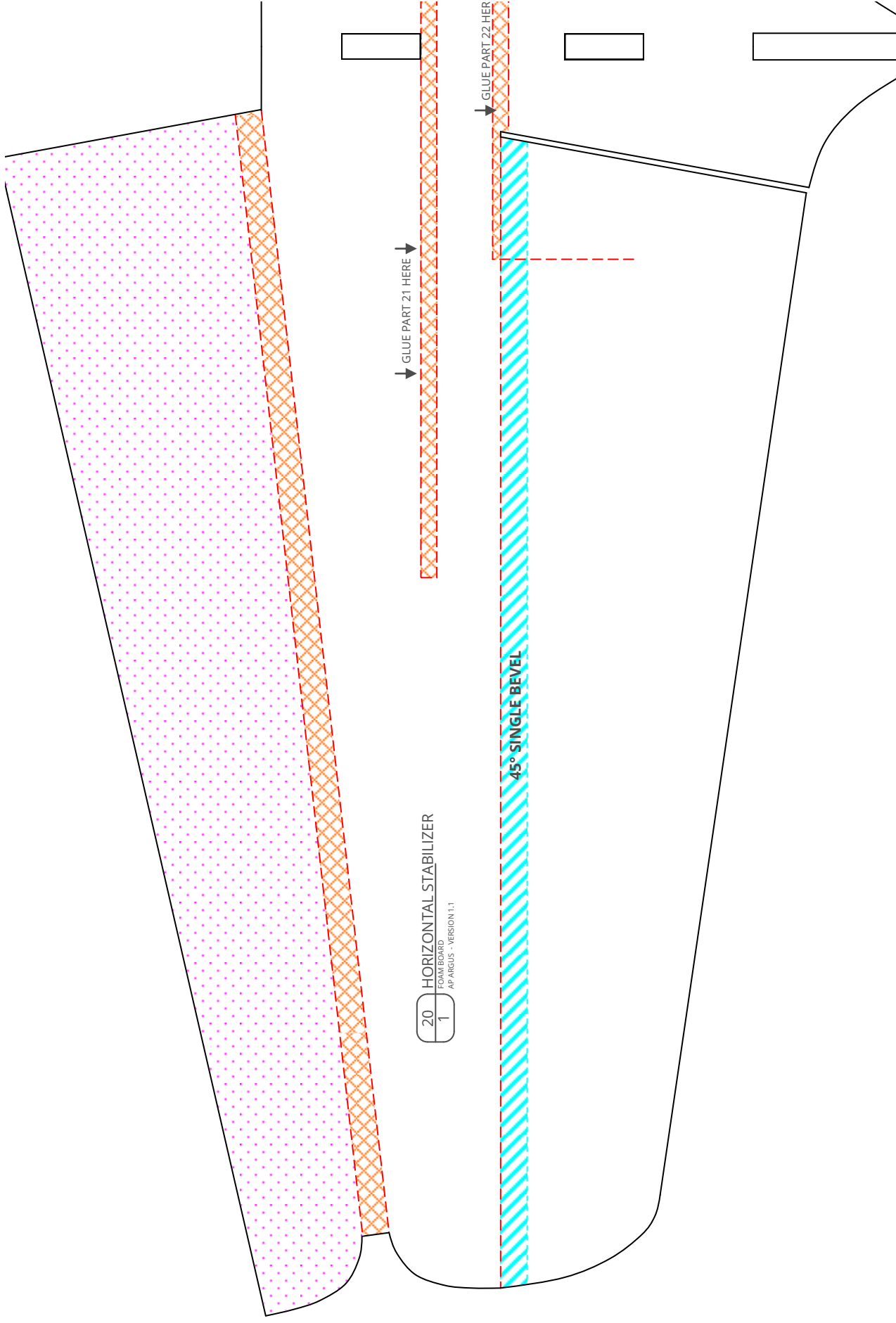




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20 HORIZONTAL STABILIZER
FOAM BOARD
1
AP ARGUS - VERSION 1.1

45° SINGLE BEVEL

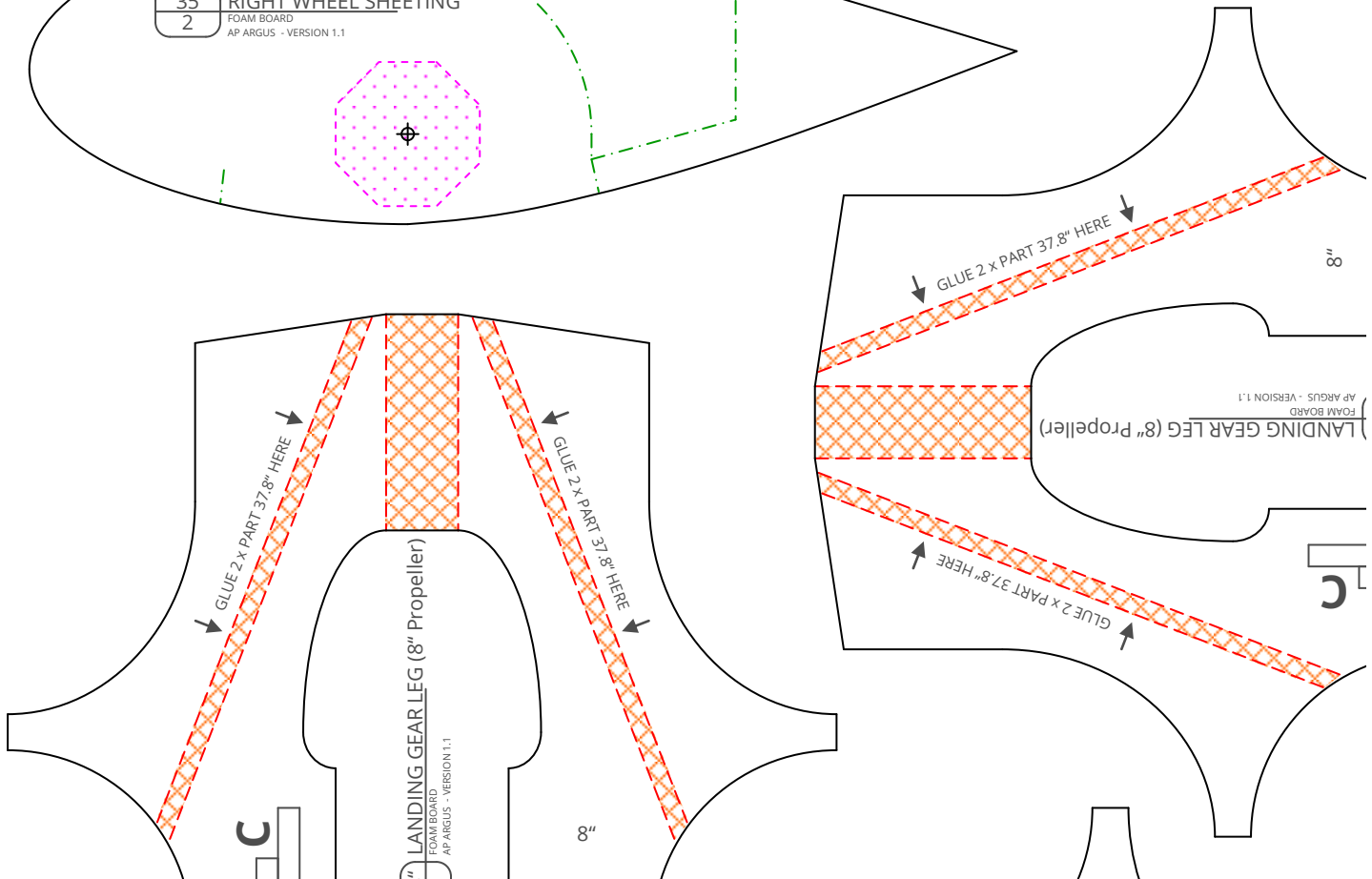
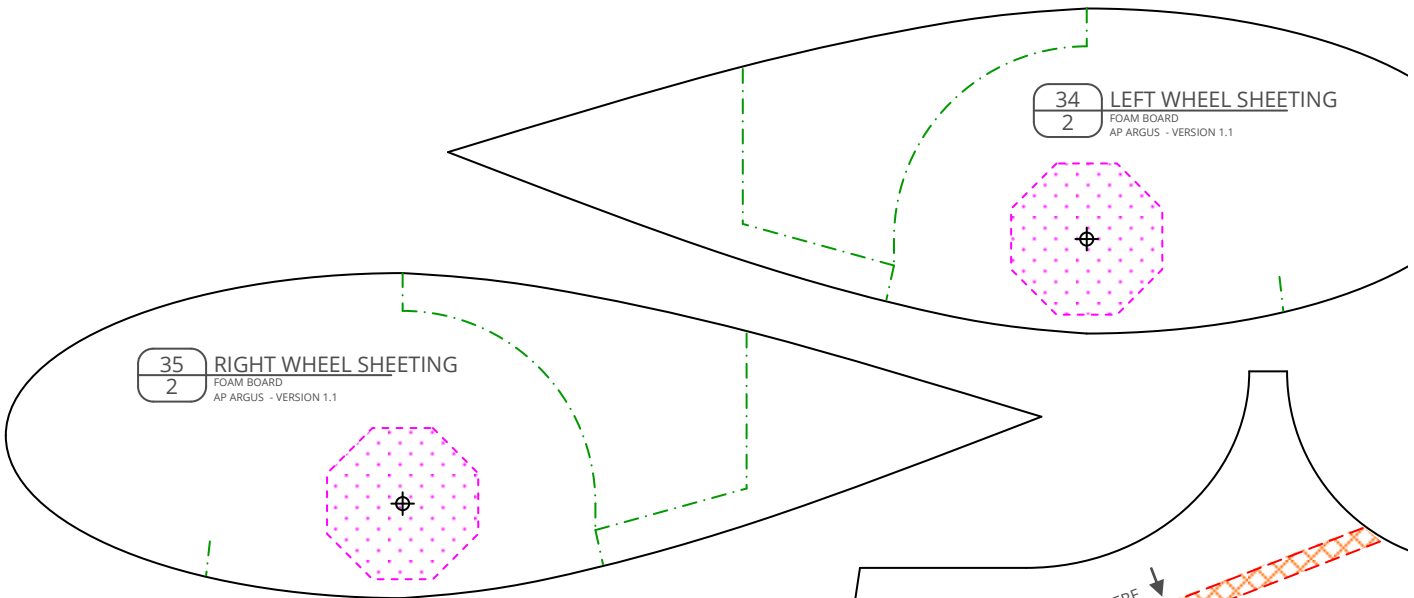
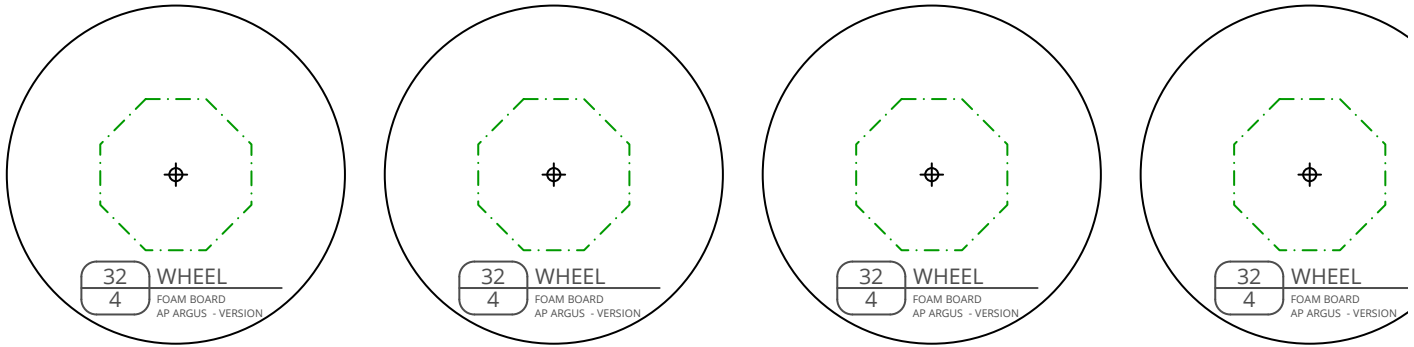
GLUE PART 21 HERE

GLUE PART 22 HER

AP ARGUS - VERSION 1.1 (2020-01-31)

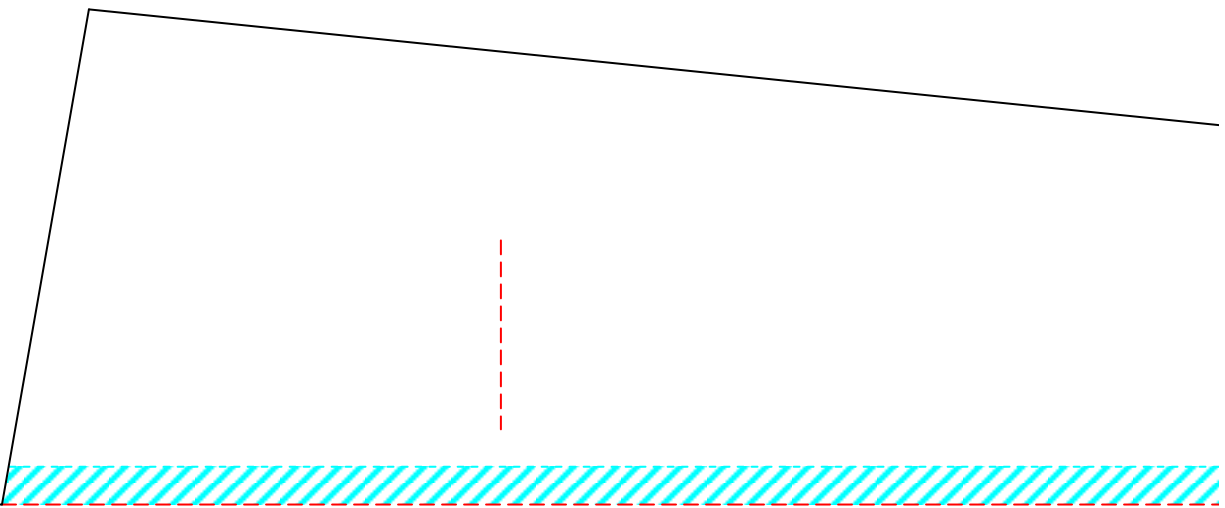
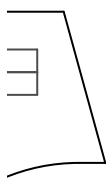


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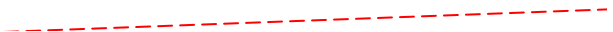


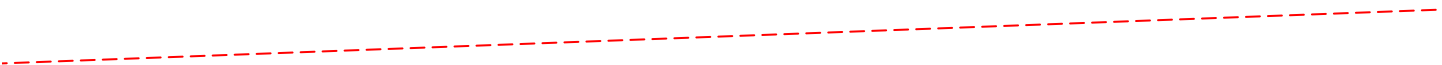
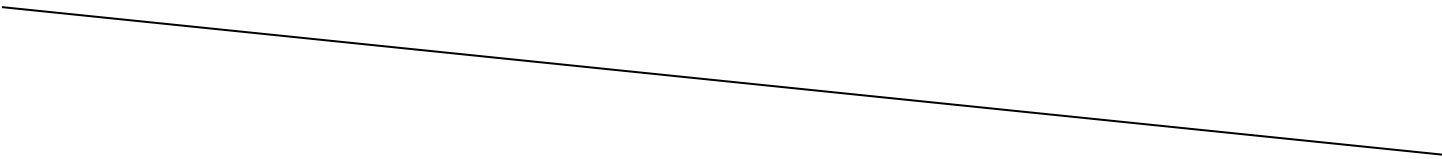


36.8"
2



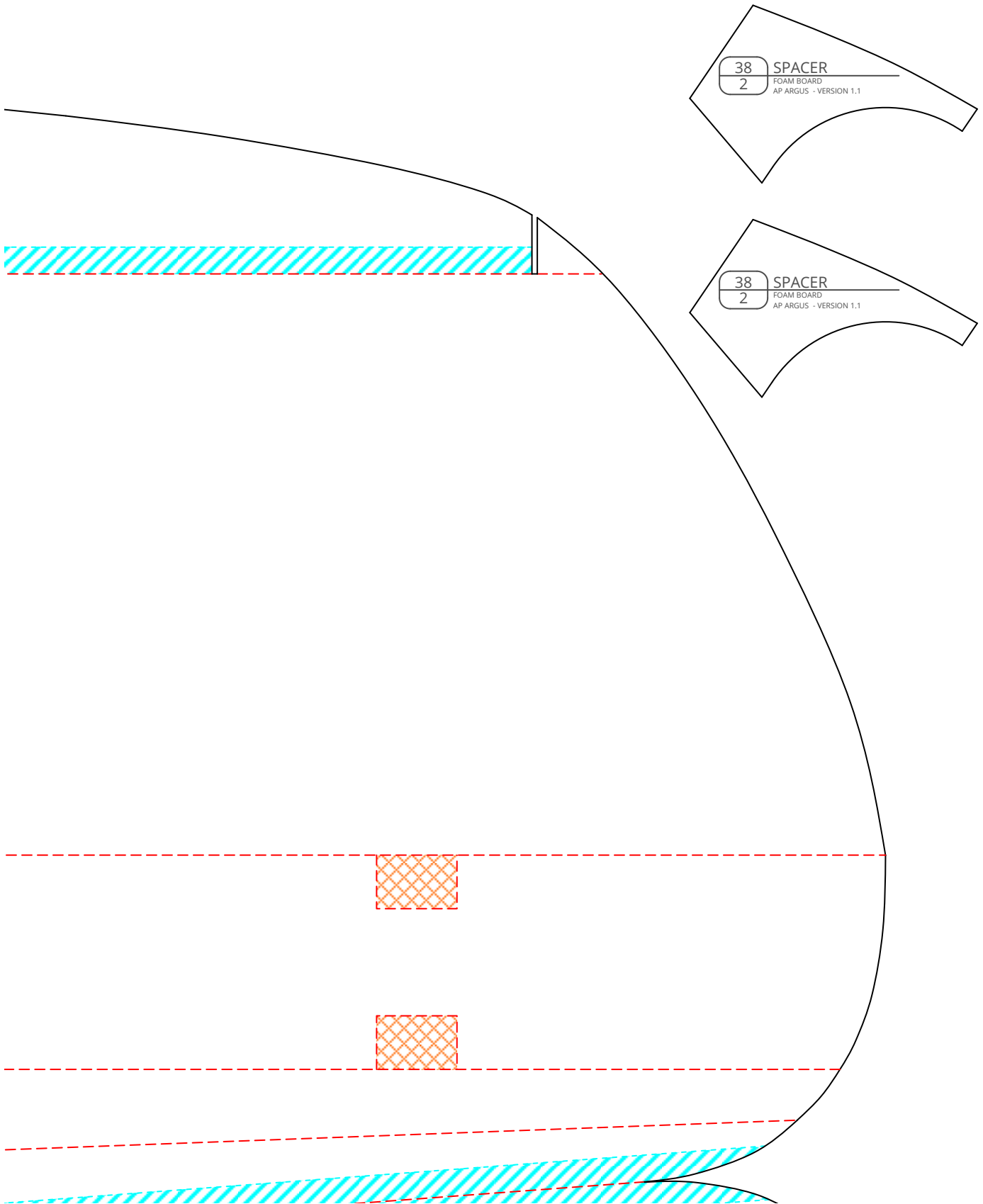
14 RIGHT WING PANEL
1 FOAM BOARD
AP-ARGUS - VERSION 1.1

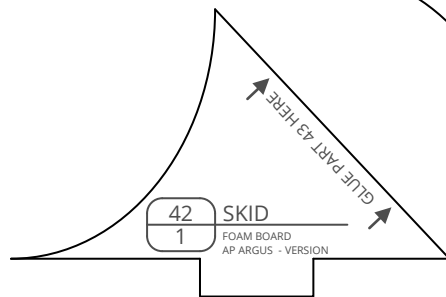
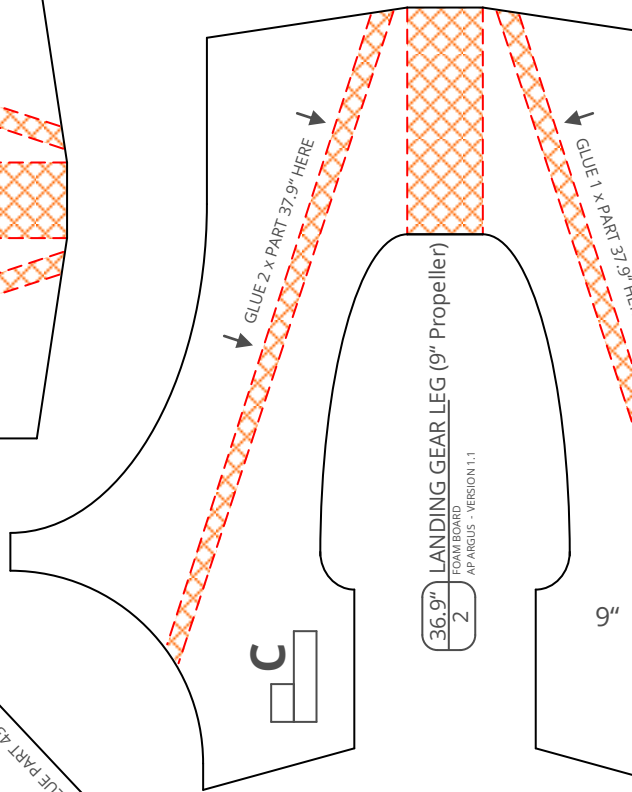
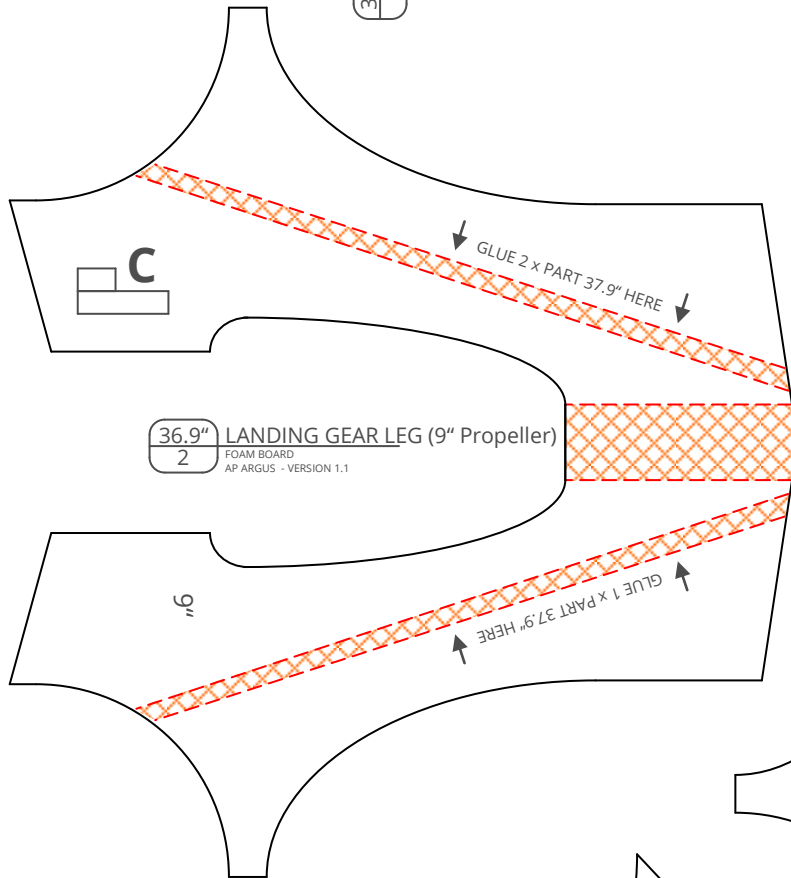
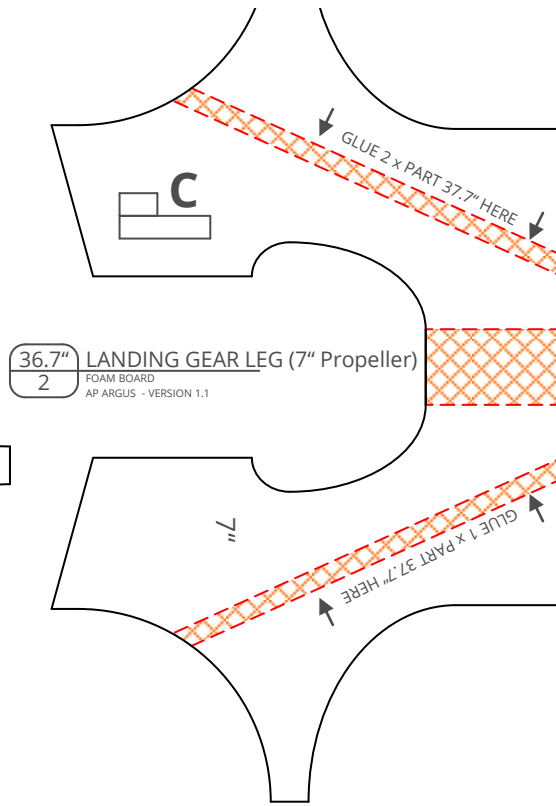
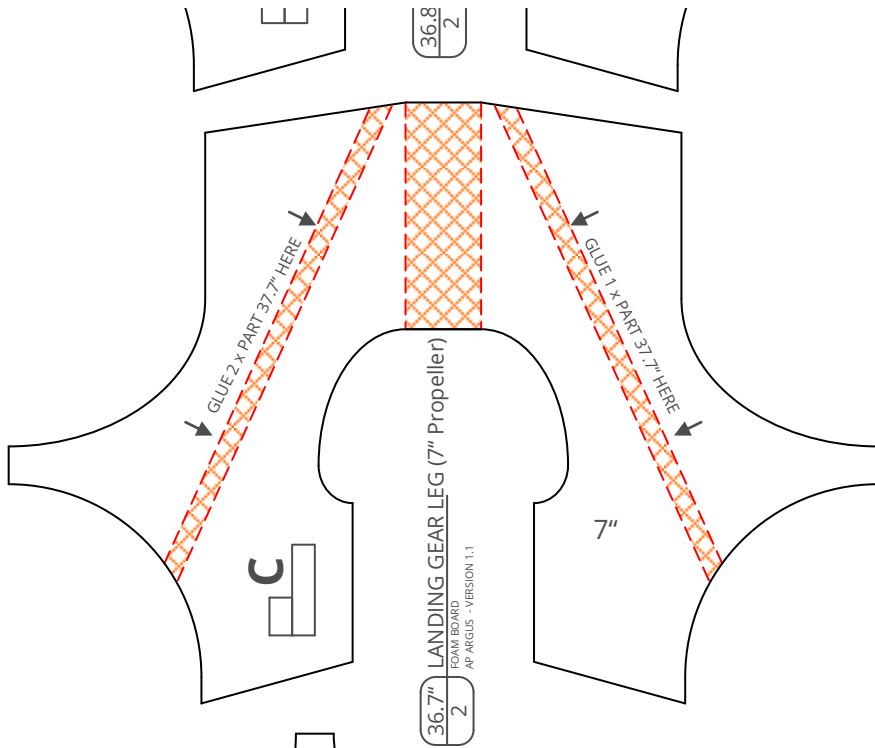


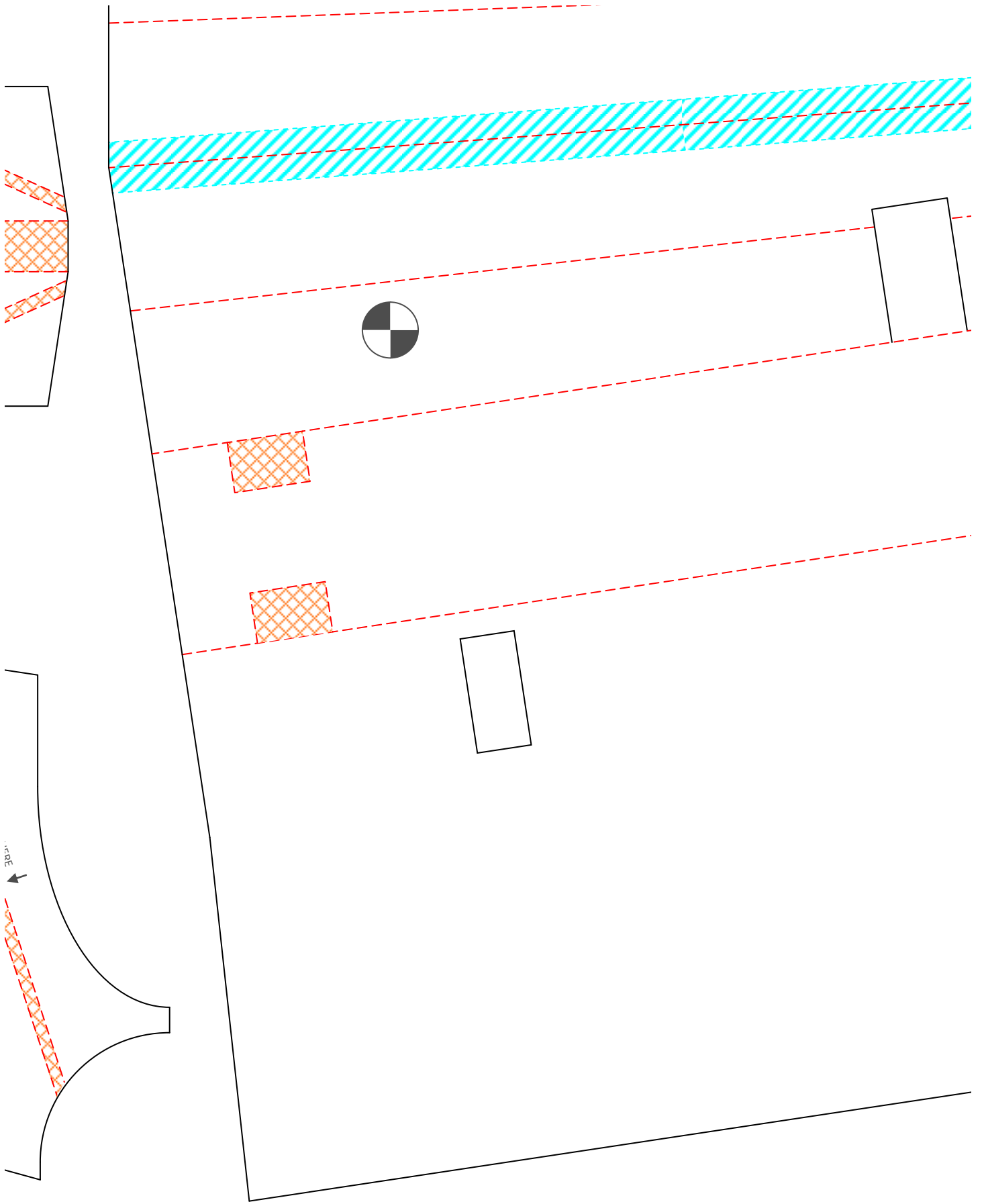


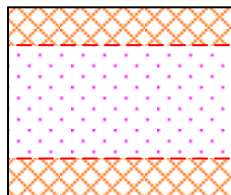
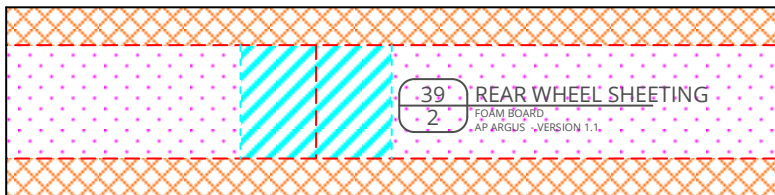
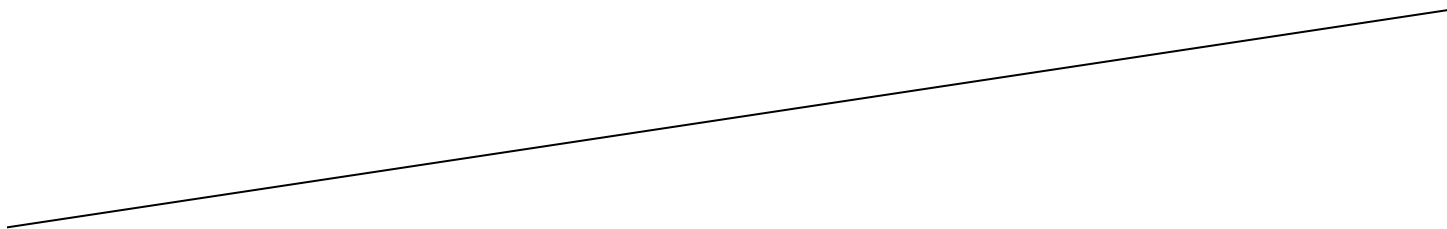
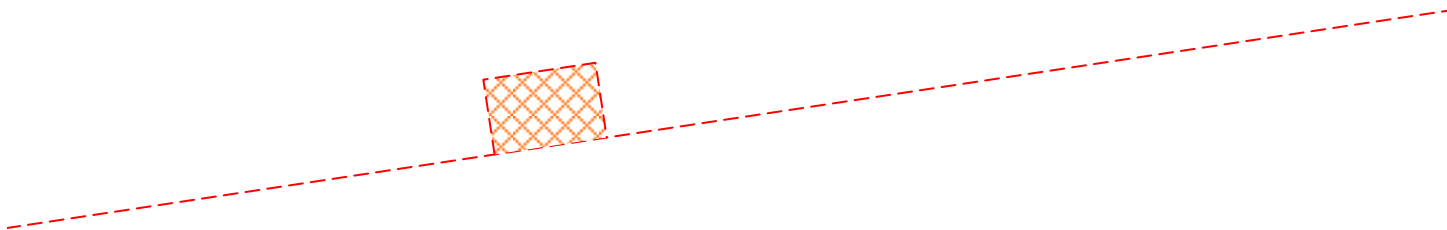
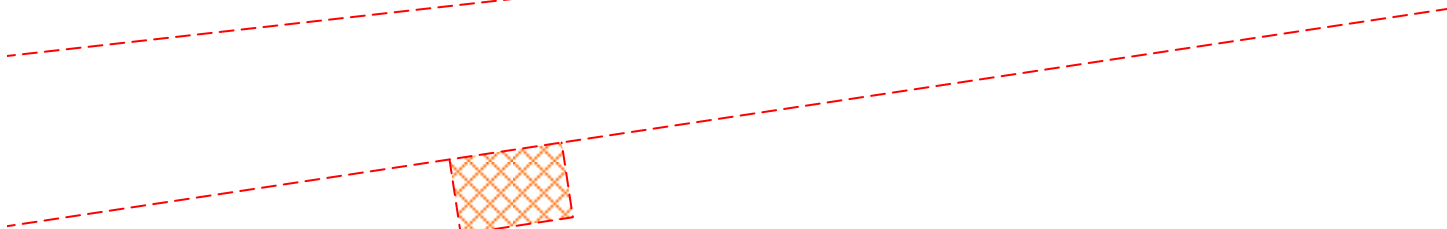
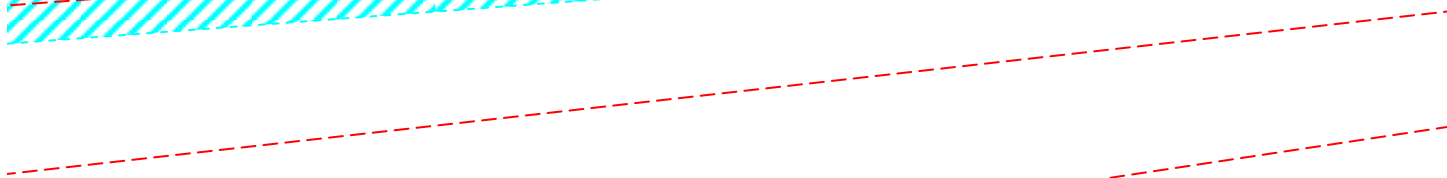
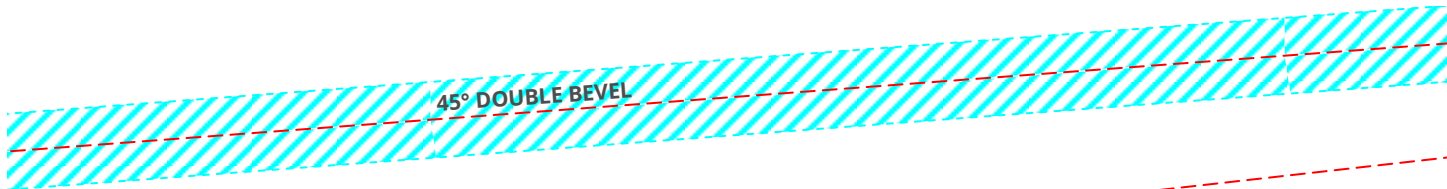


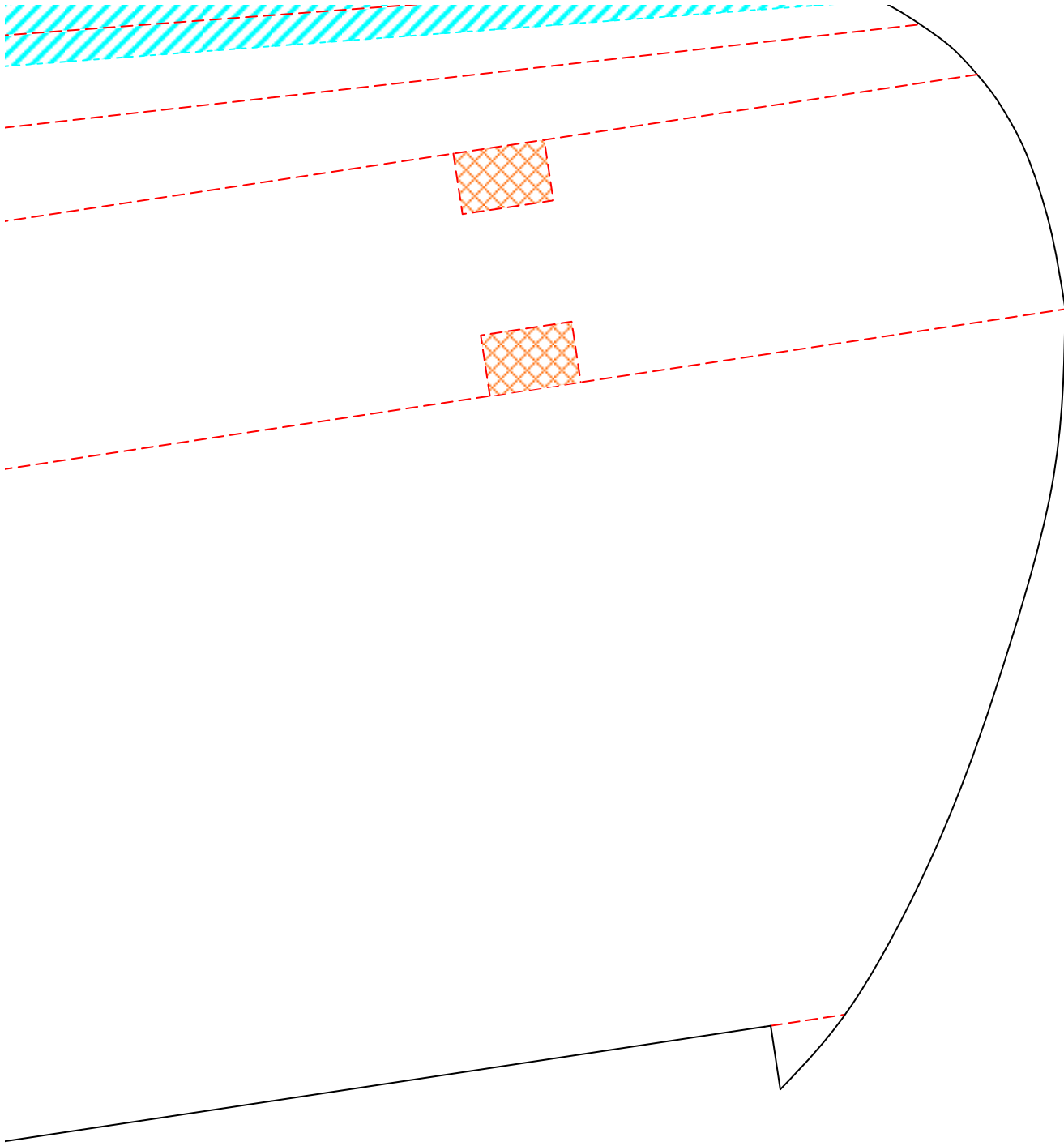
FOAM BOARD (30 x 20 in | 762 x 508 mm) - SHEET 3 OF 4











39 REAR WHEEL SHEETING
 FOAM BOARD
 AP ARGUS - VERSION 1.1
 2

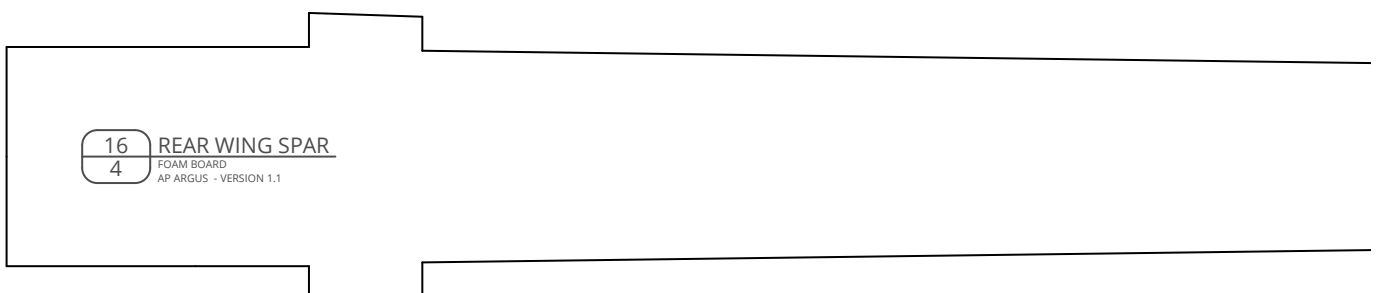
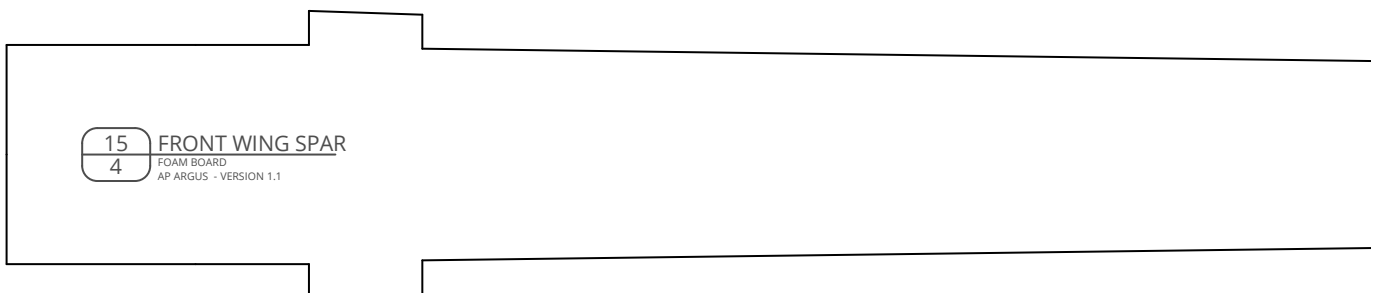
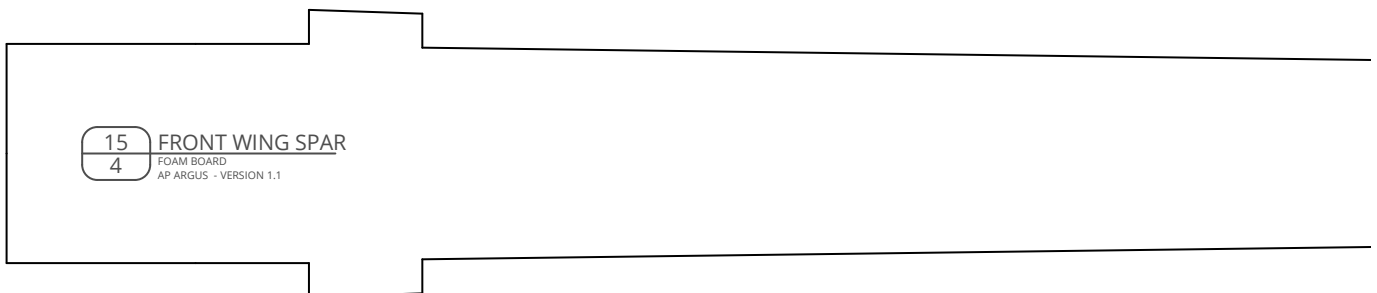
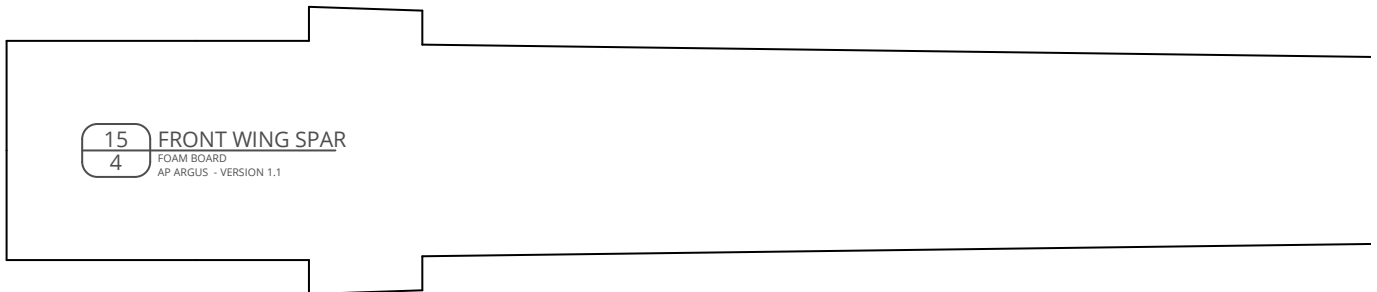
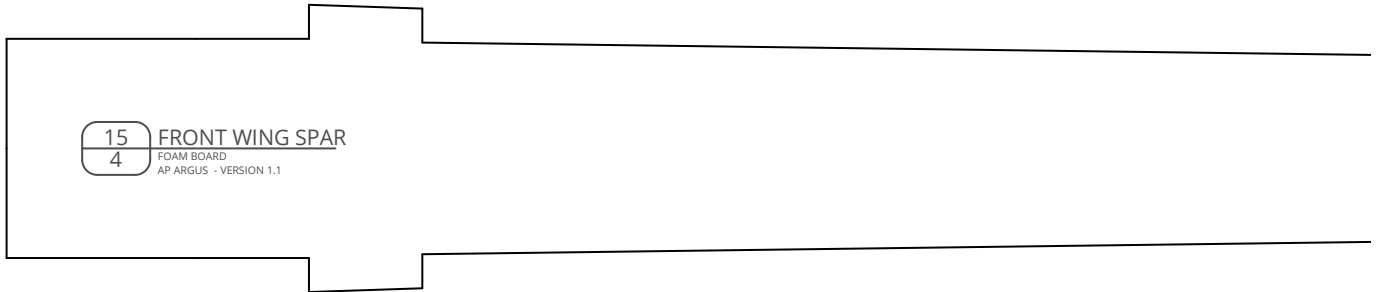
40 FRONT WHEEL SHEETING
 FOAM BOARD
 AP ARGUS - VERSION 1.1
 2

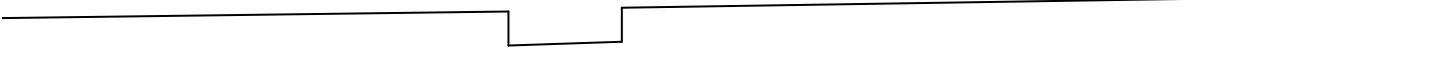
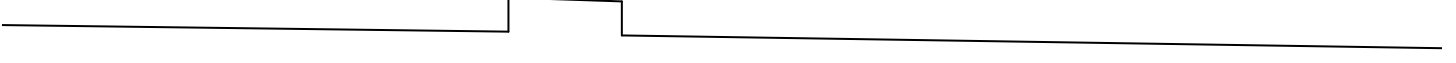
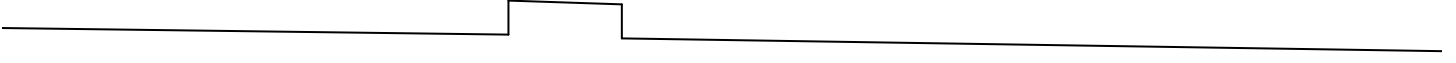
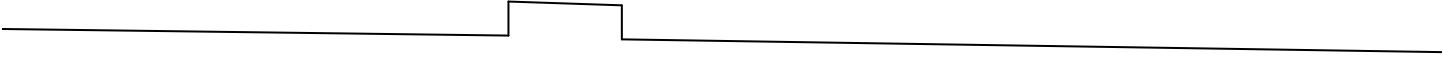
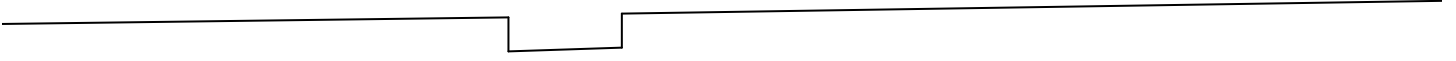
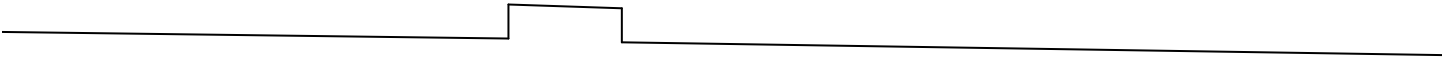
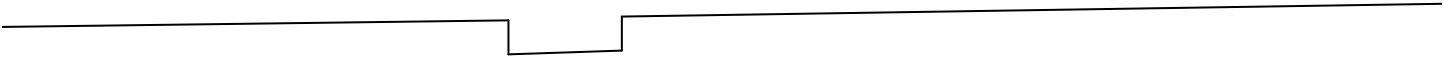
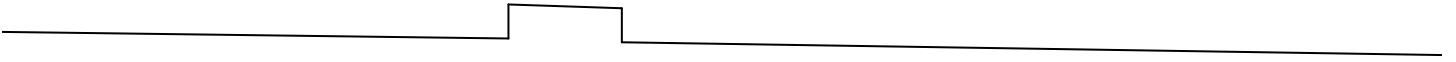
40 FRONT WHEEL SHEETING
 FOAM BOARD
 AP ARGUS - VERSION 1.1
 2

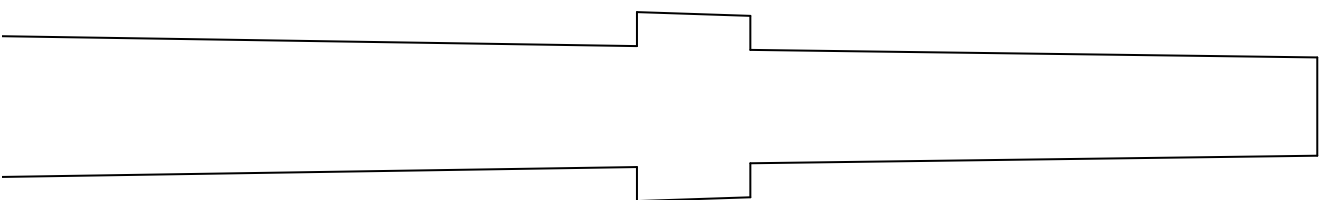
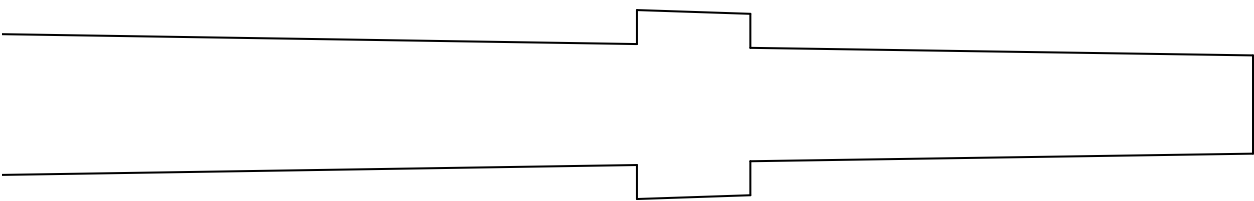
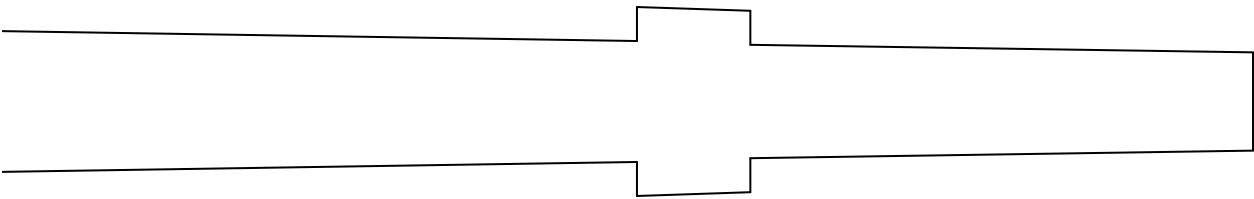
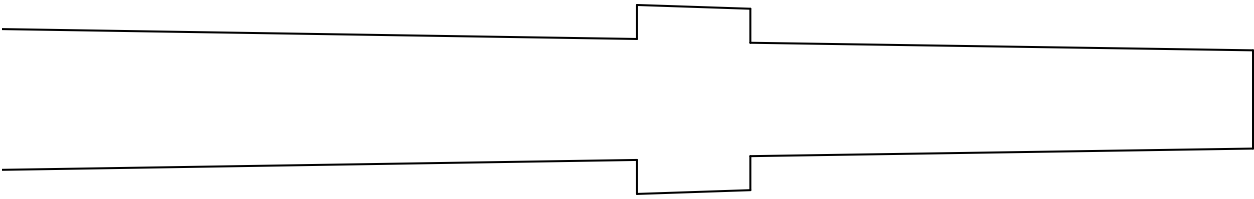
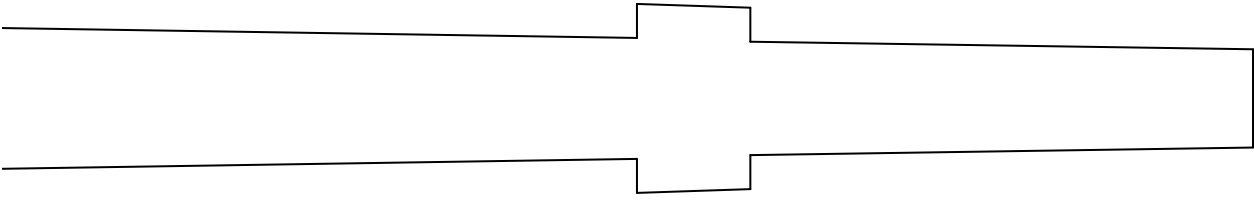
AP ARGUS - VERSION 1.1 (2020-01-31)



Design & Drawing by: Tony Roehling









FOAM BOARD (30 x 20 in | 762 x 508 mm) - SHEET 4 OF 4

