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# AP Mini Mirage

Version 1.1 (2017-12-23)

Design & Drawing by: Tony Roehling



## **SPECS**

WINGSPAN:	520 mm   20.47 in
CG:	124 mm   4.88 in (from air intake)
LENGTH:	700 mm   27.56 in
DRY WEIGHT:	205 g   7.23 oz (without fuel tanks)
ALL UP WEIGHT:	275 g   9.7 oz (with 3S 850 mAh   without fuel tanks)
EXPO:	30 %
CHANNELS:	3 (THR   AIL   ELV)

## **ELECTRONICS**

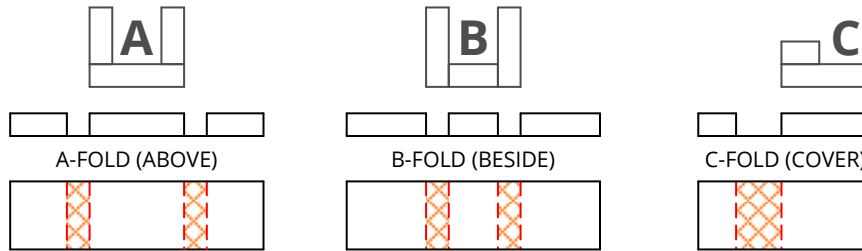
MOTOR:	2300 kv (1806 or 2204)
PROPELLER:	5x5 or 6x4
ESC:	12 A
SERVOS:	2 x 5 g
BATTERY:	850 mAh 3S



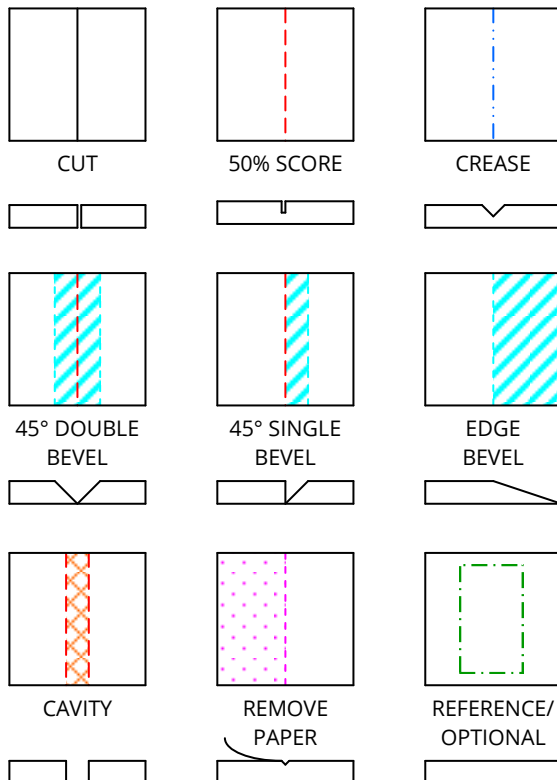
# DRAWING KEY

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

## FOLD TYPES

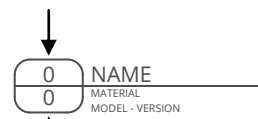


## LINE TYPE/COLOR



## SYMBOLS

PART NUMBER



QUANTITY



DOWEL HOLE



CENTER OF GRAVITY (CG)

# AP Mini Mirage - PARTS LIST

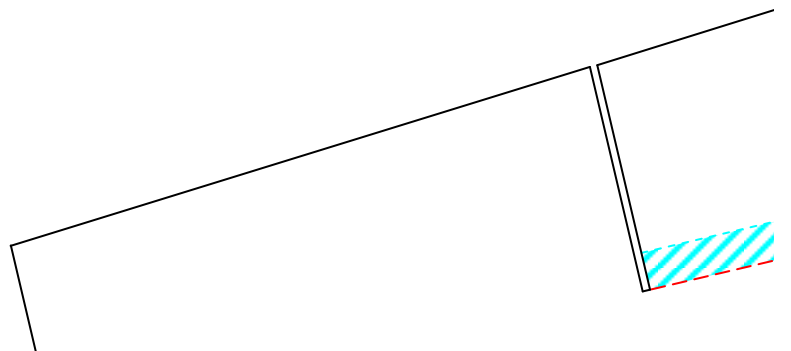
Version 1.1 (2017-12-23)

PART NR.	DESCRIPTION	QUANTITY	MATERIAL	SHEET
1	LEFT WING	1	FOAM BOARD	1
2	RIGHT WING	1	FOAM BOARD	1
3	FRONT SPAR	2	FOAM BOARD	1
4	REAR SPAR	2	FOAM BOARD	1
5	NOSE	1	FOAM BOARD	1
6	NOSE SHEETING	1	FOAM BOARD	1
7	LEFT AIR INTAKE CONE	1	FOAM BOARD	1
8	RIGHT AIR INTAKE CONE	1	FOAM BOARD	1
9	LEFT SIDEWALL	1	FOAM BOARD	2
10	RIGHT SIDEWALL	1	FOAM BOARD	2
11	AIR INTAKE SCALE PART	2	FOAM BOARD	2
12	LOWER REAR SHEETING	1	PLASTIC CARD	2
13	VERTICAL SPACER	1	FOAM BOARD	2
14	HORIZONTAL SPACER	2	FOAM BOARD	2
15	MINI POWER POD	1	FOAM BOARD	2
16	MINI FIREWALL	1	PLYWOOD max. 5mm	2
17	POWER POD MOUNT PIN	2	BBQ SKEWER	2
18	TOP SHEETING	1	FOAM BOARD	2
19	VERTICAL STABILIZER	1	FOAM BOARD	2
20	V-STAB SCALE PART	2	FOAM BOARD	2
21	REAR CANOPY MOUNT	1	FOAM BOARD	2
22	FRONT CANOPY MOUNT	1	FOAM BOARD	2
23	CANOPY	1	FOAM BOARD	2
24	FUEL HOSE	1	FOAM BOARD	2
25	CANOPY MOUNT PIN	1	BBQ SKEWER	2
26	CONTROL HORN	2	PLASTIC CARD	2
G1	ELEVON NEUTRAL GAUGE	1	FOAM BOARD	1
G2	THROW GAUGE	1	FOAM BOARD	1
G3	90° TRIANGLE	1	FOAM BOARD	2
O1	FUEL TANK	2	FOAM BOARD	3
O2	FUEL TANK MOUNT	2	FOAM BOARD	3
T1-T8	TEMPLATES FOR CUTTING ADESIVE FILM			3
	<b>OTHER MATERIALS</b>			
	STEEL WIRE (Ø 1mm) FOR THE LINKAGE RODS			
	VELCRO TO MOUNT THE BATTERY, ESC, ...			

**Build the Mini Mirage in the order of the part numbers!**

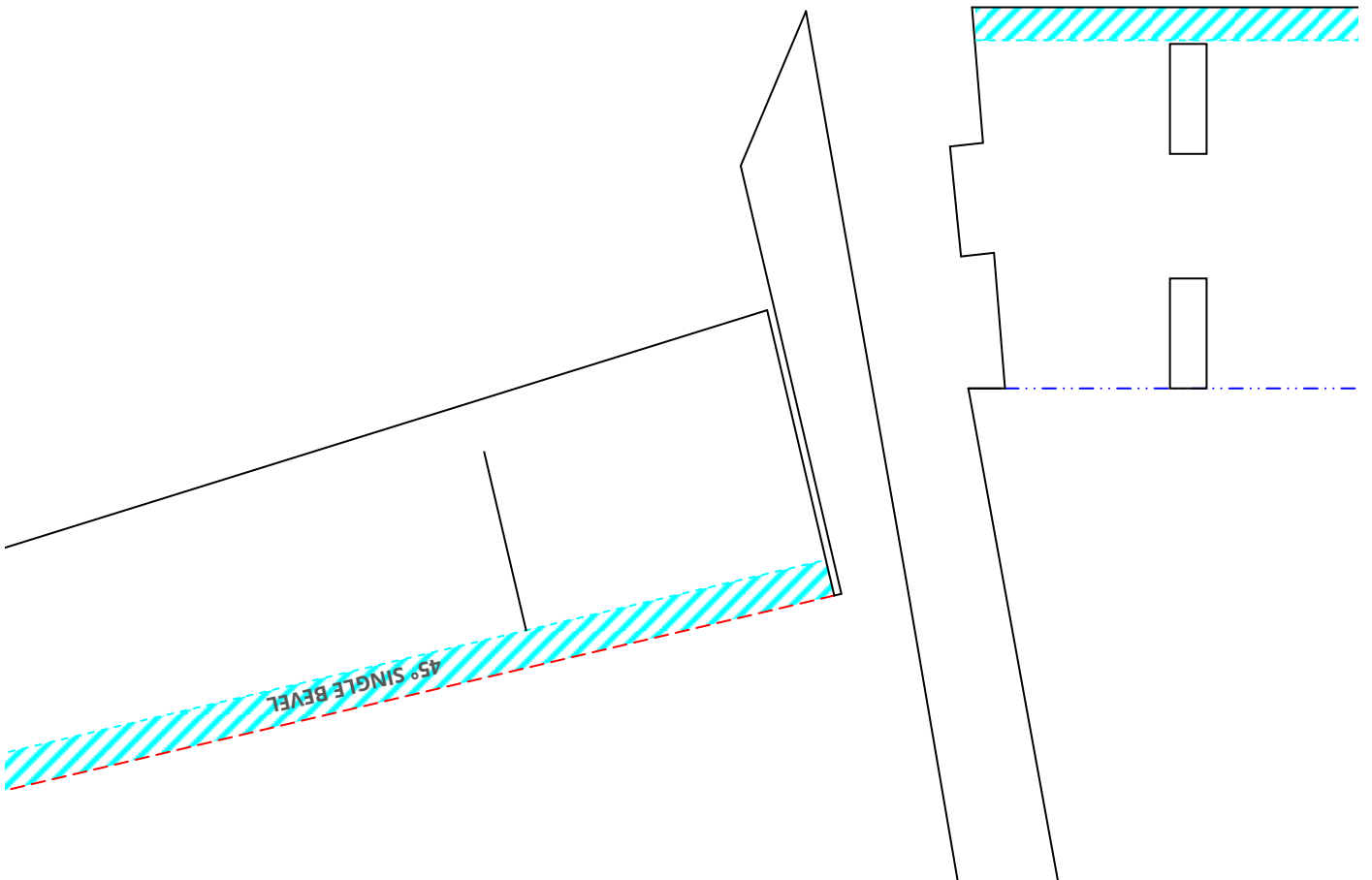
# AP Mini Mirage

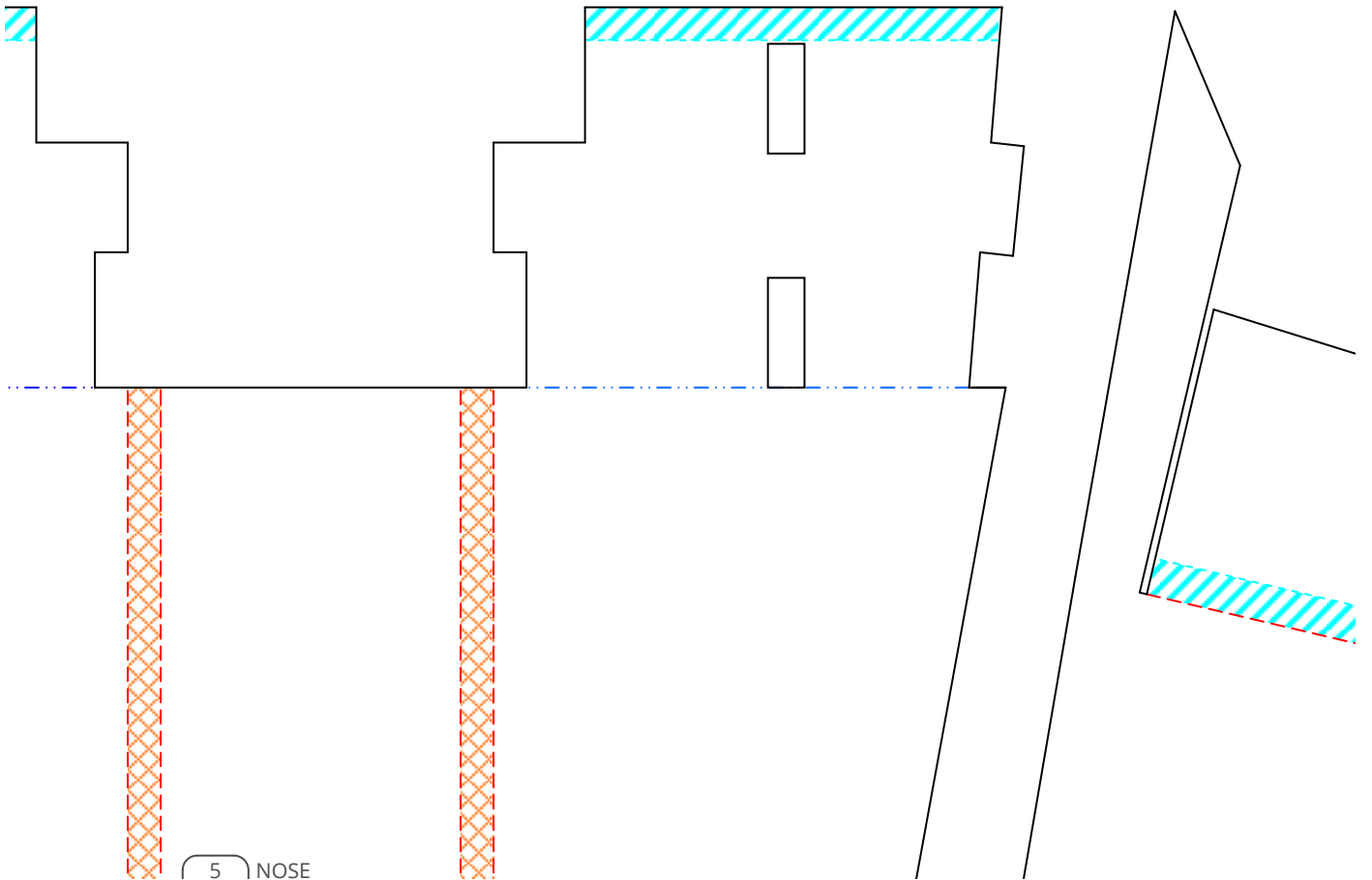
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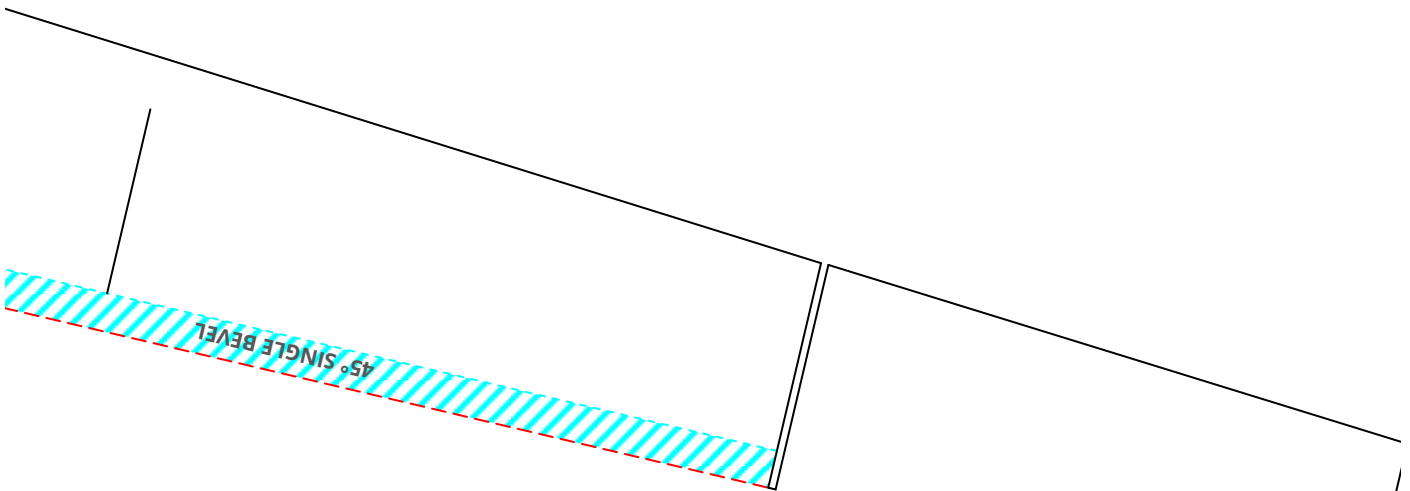
# - VERSION 1.1 (2017-12-23)





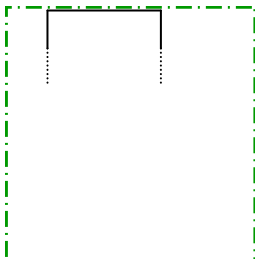
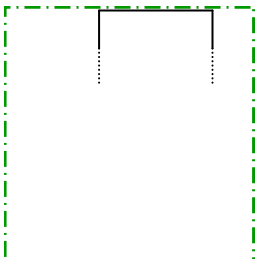
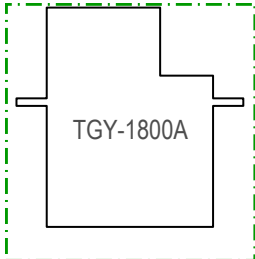
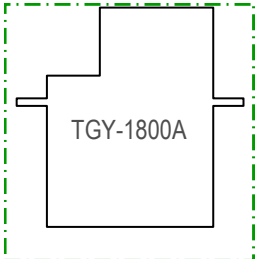
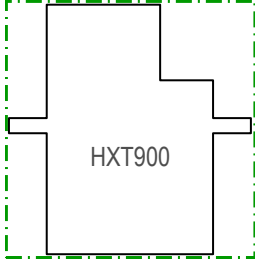
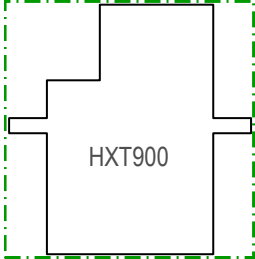
in

cm

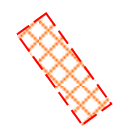
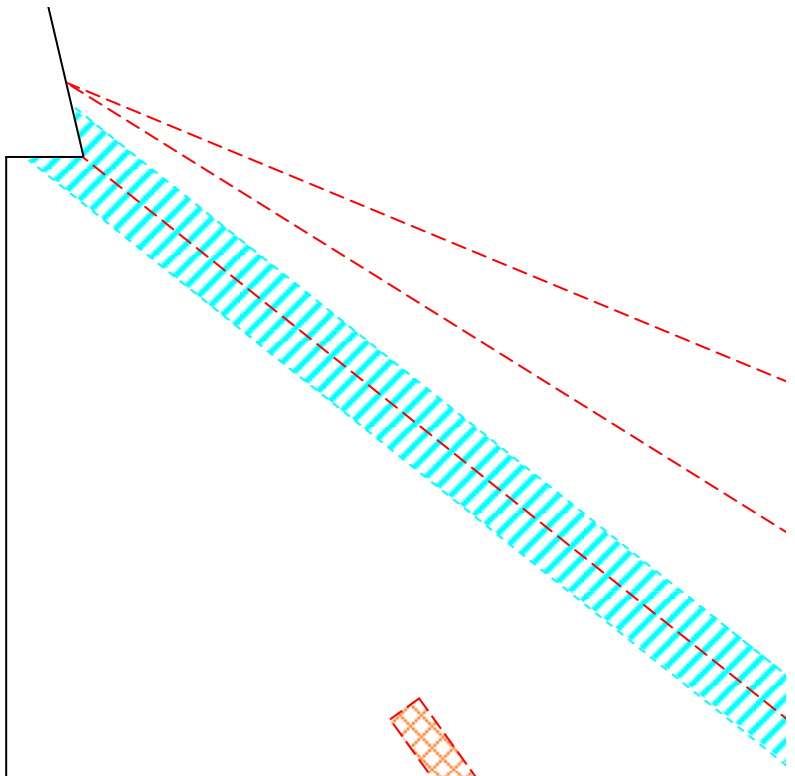




CHOOSE A SERVO SHAPE OR CREATE YOUR OWN!







OPTIONAL:  
MOUNTING HOLES  
FOR FUEL TANKS!

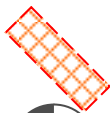
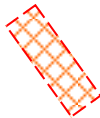
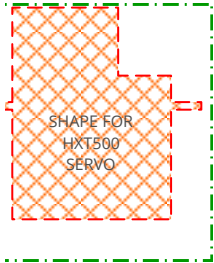
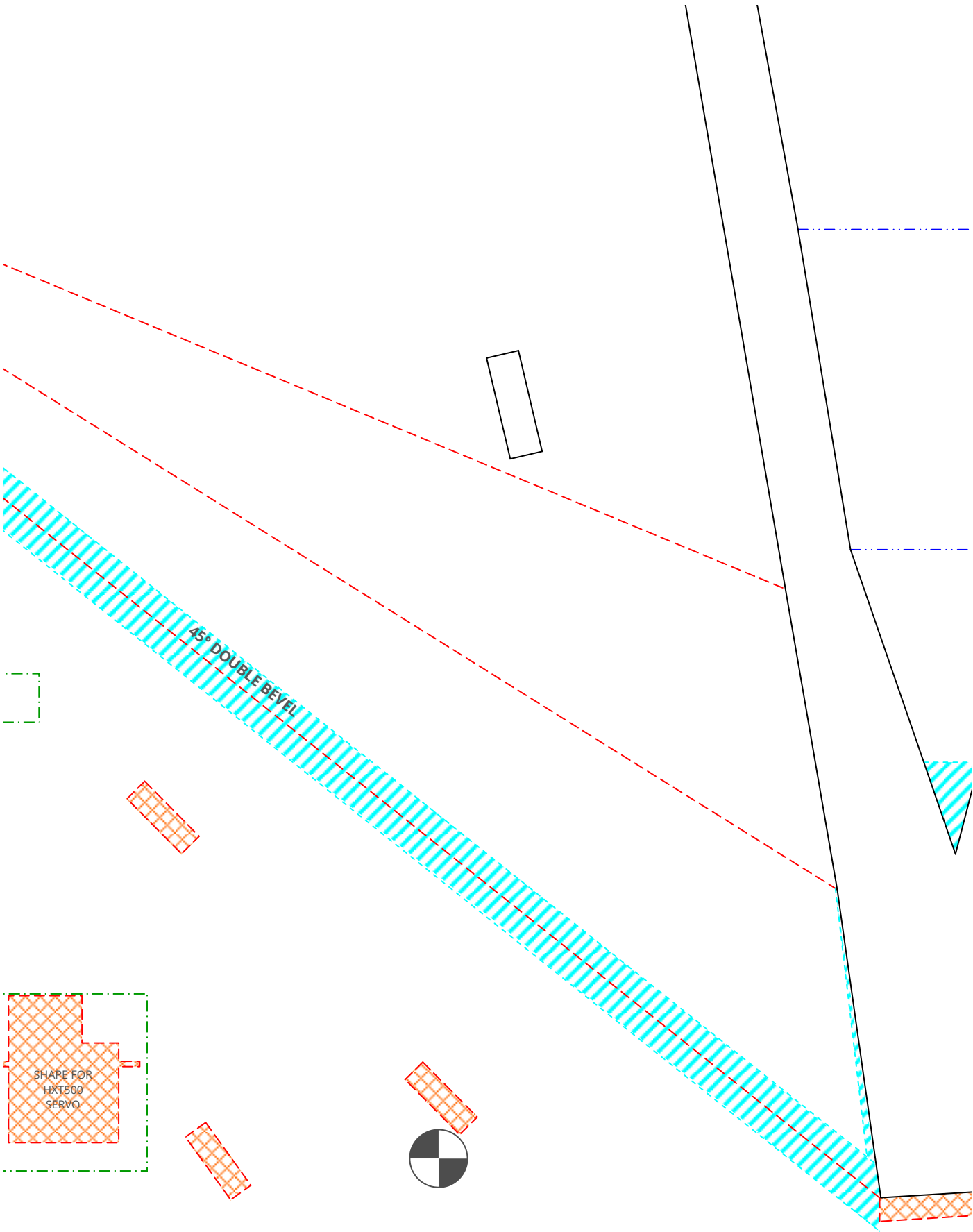


1 LEFT WING  
FOAM BOARD  
1 AP MINI MIRAGE - VERSION 1.1



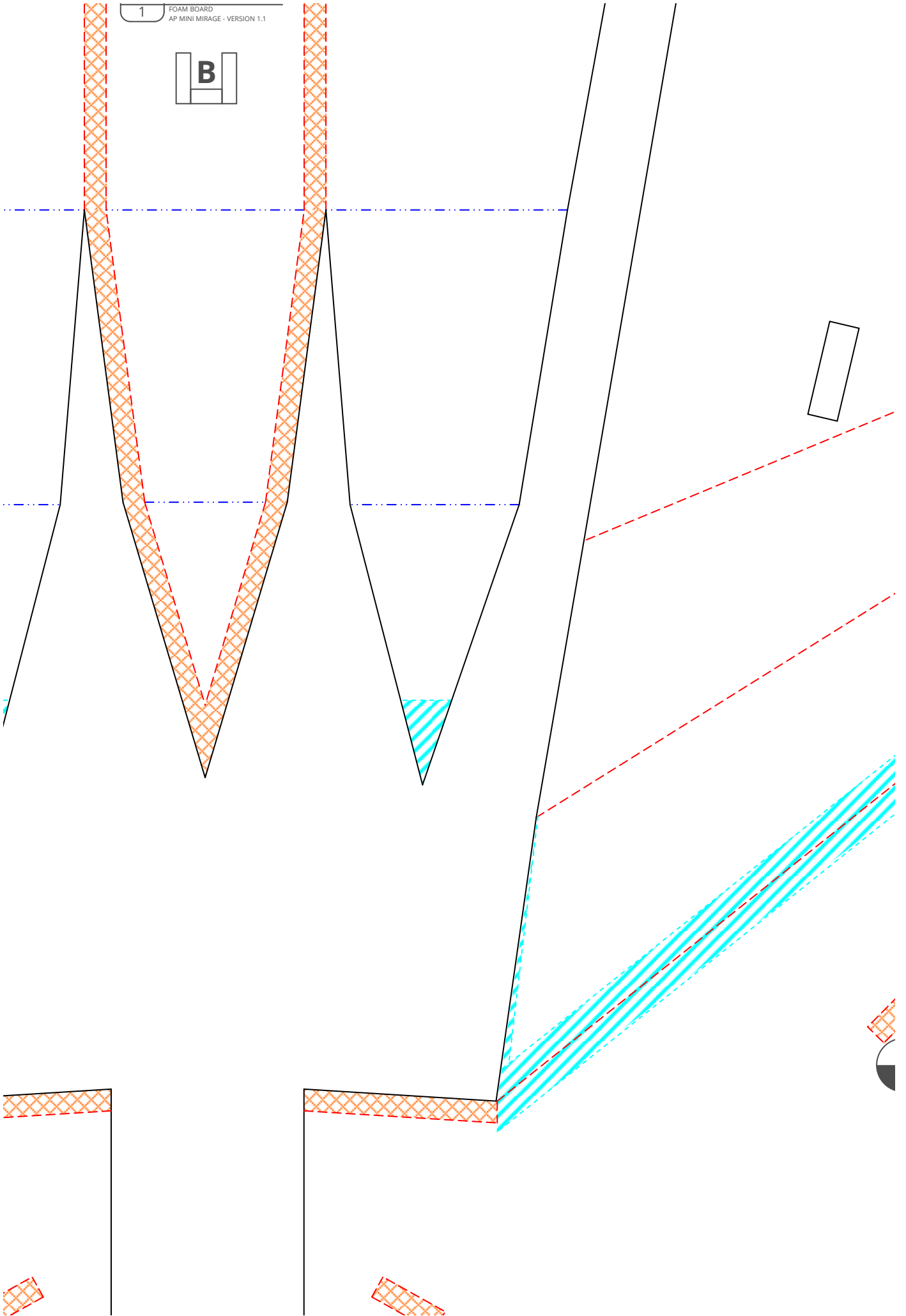
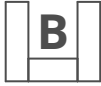
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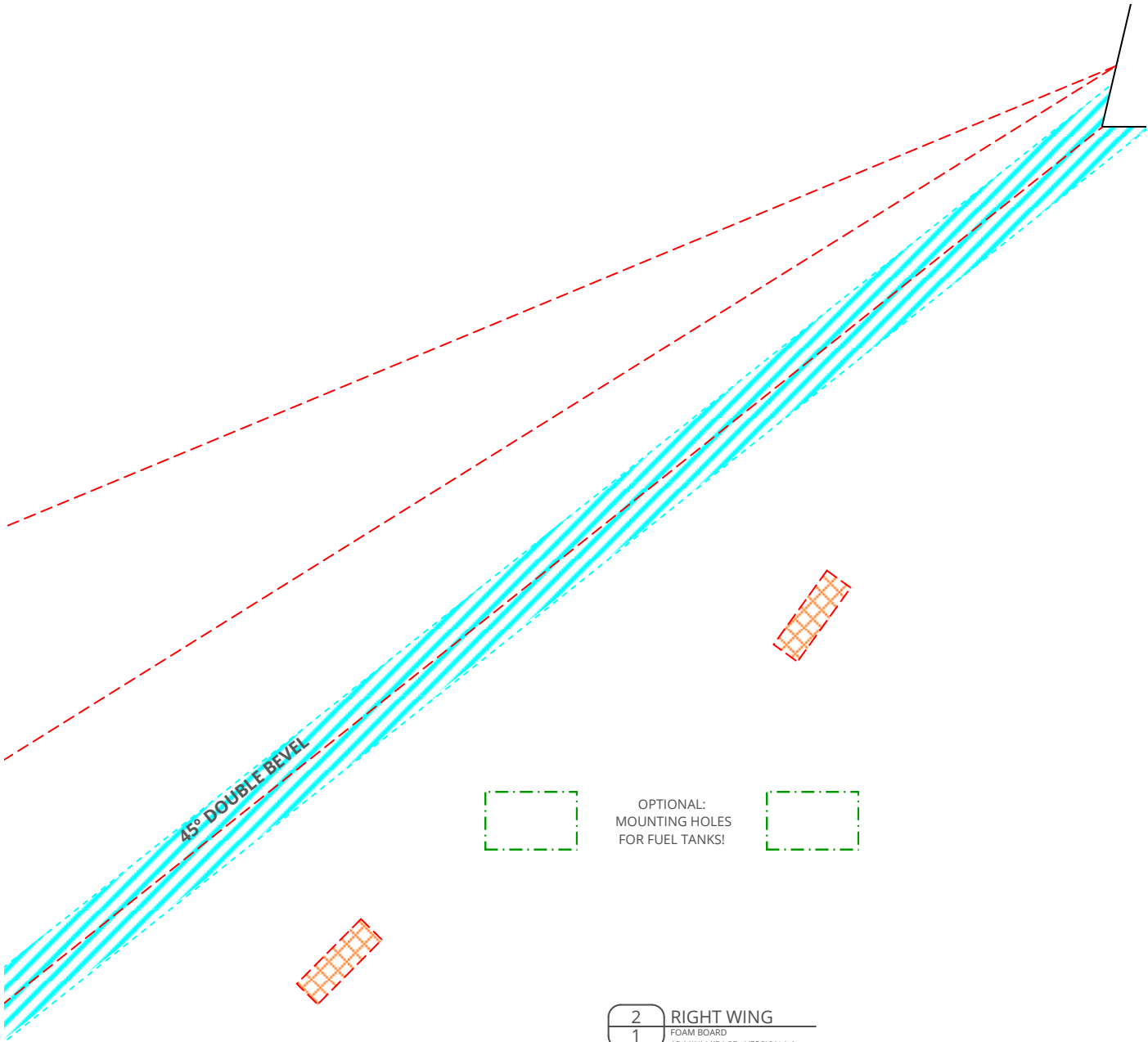




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FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1

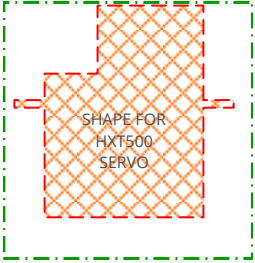




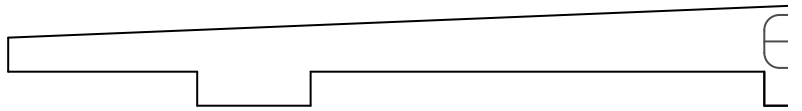
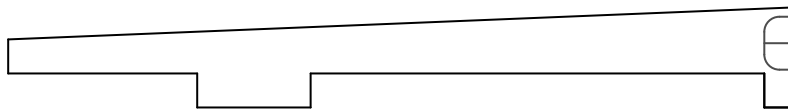
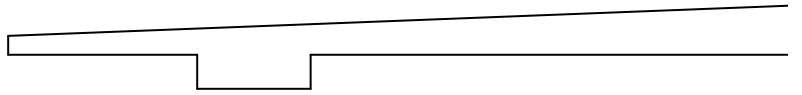
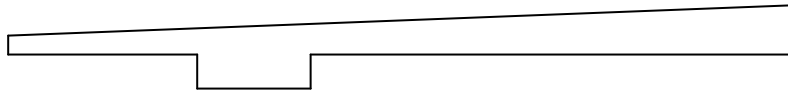
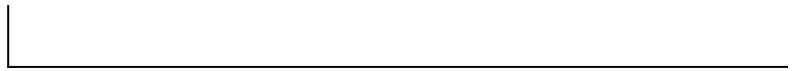
OPTIONAL:  
MOUNTING HOLES  
FOR FUEL TANKS!



2 RIGHT WING  
1 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1

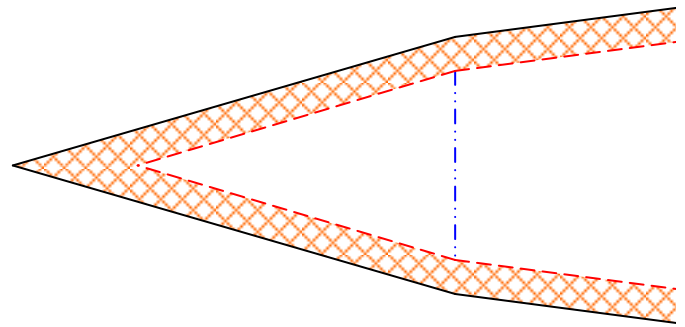
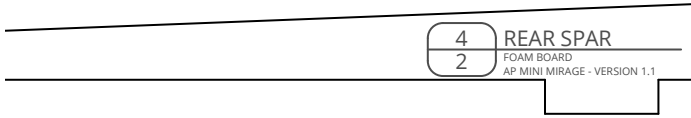
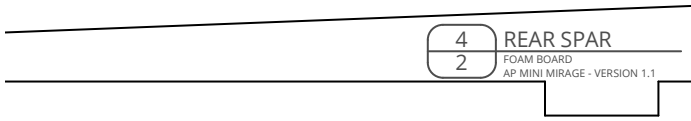


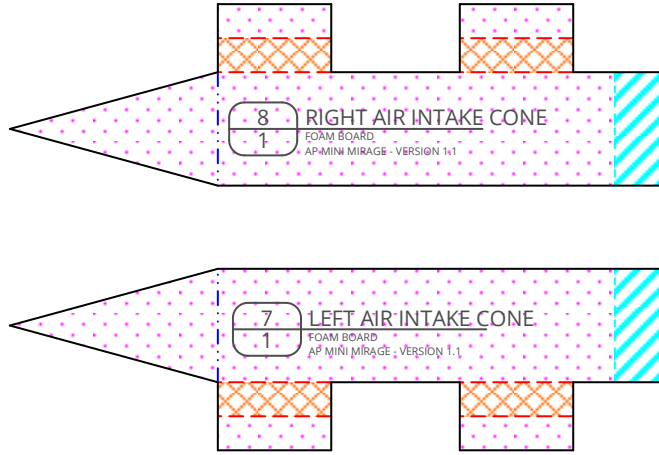




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GLUE THE WING PARTS TOGETHER HERE!





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GLUE THE WING PARTS TOGETHER HERE!

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G1  
1 ELEVON NEUTRAL GAUGE  
FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1

4 mm up  
(at the inner edges near the fuselage)

G2  
1 THROW GAUGE  
FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1

10 mm in either direction  
(at the inner edges from neutral)

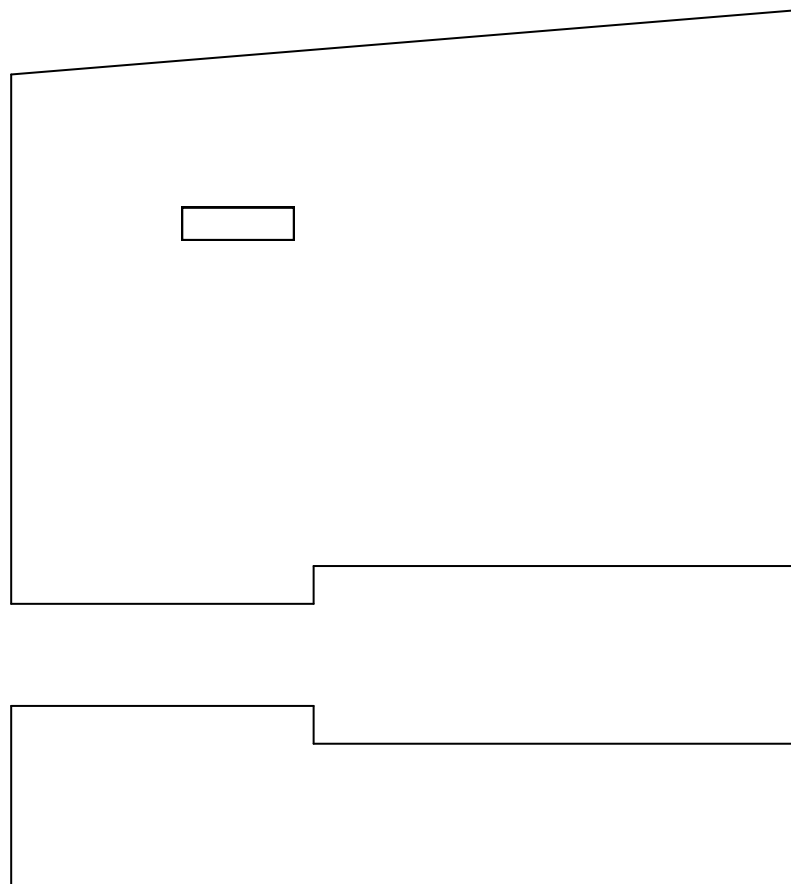
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# AP Mini Mirage

Design & Drawing by: Tony Roehling

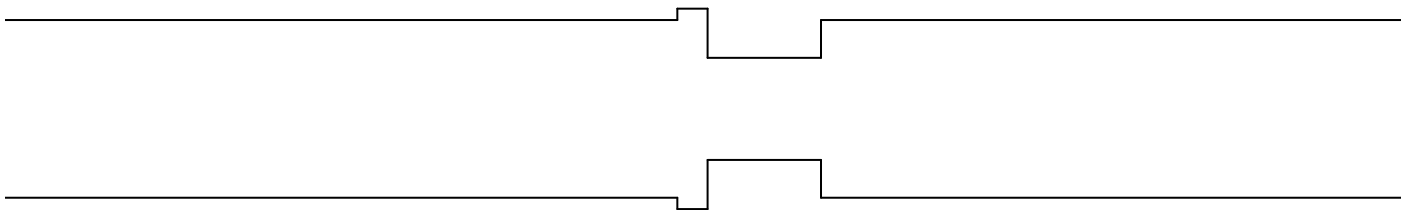


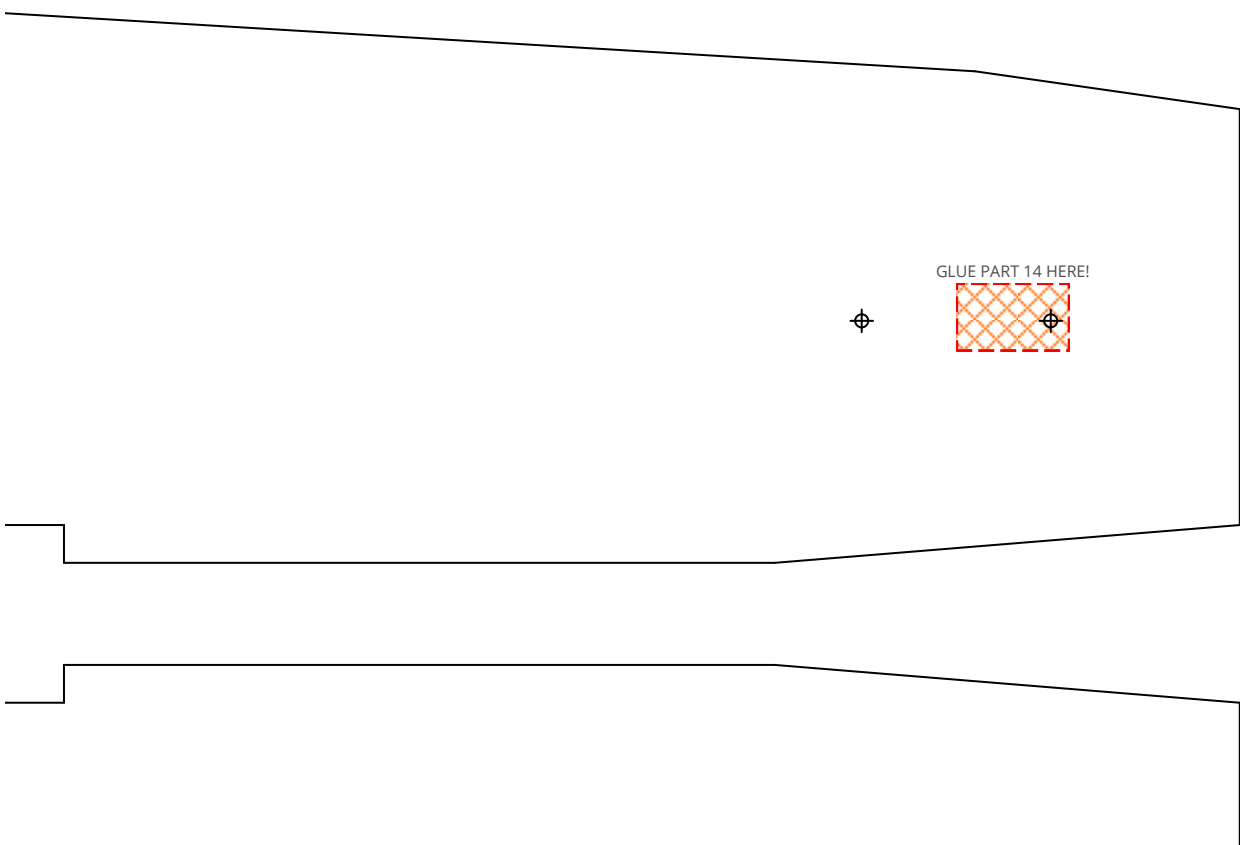


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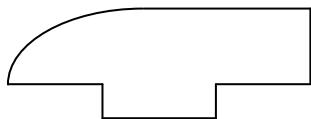
10  
1

RIGHT SIDEWALL  
FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1

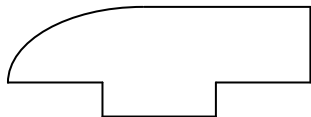




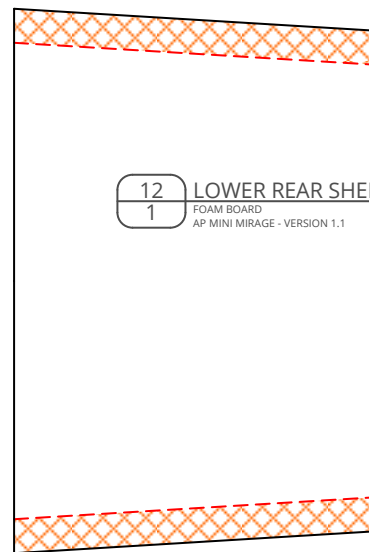
in   
cm 



11 AIR INTAKE SCALE PART  
2 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1

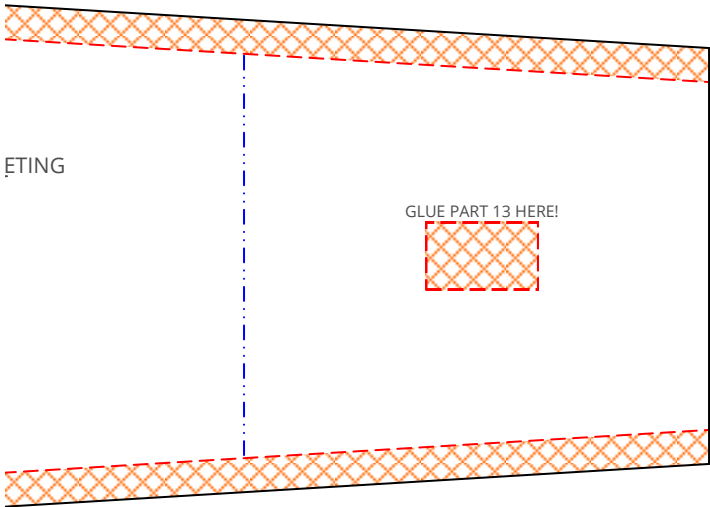


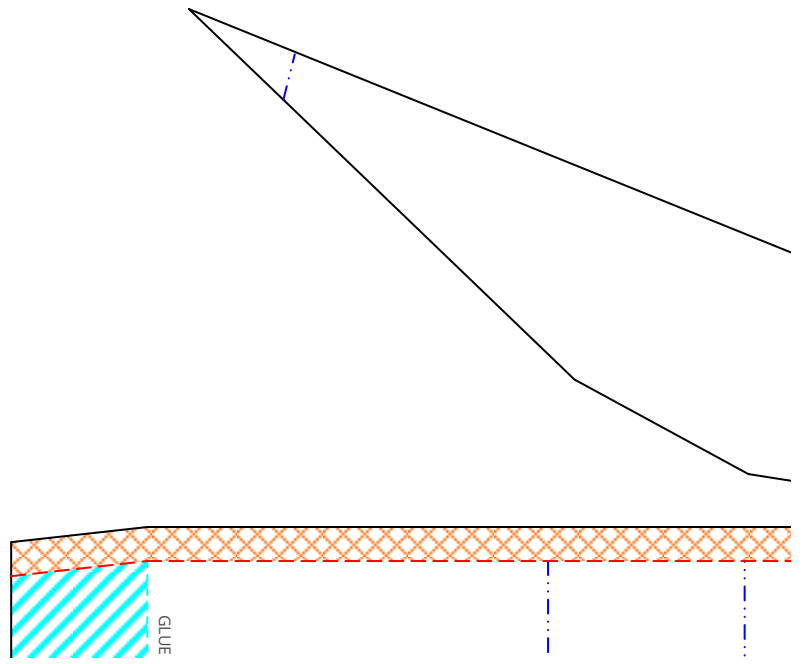
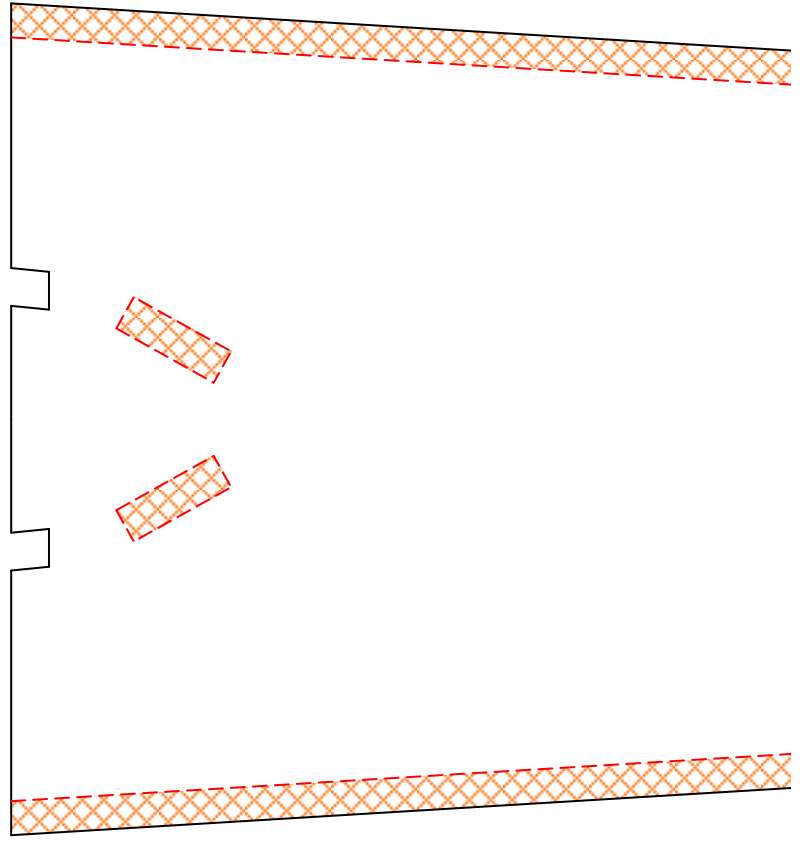
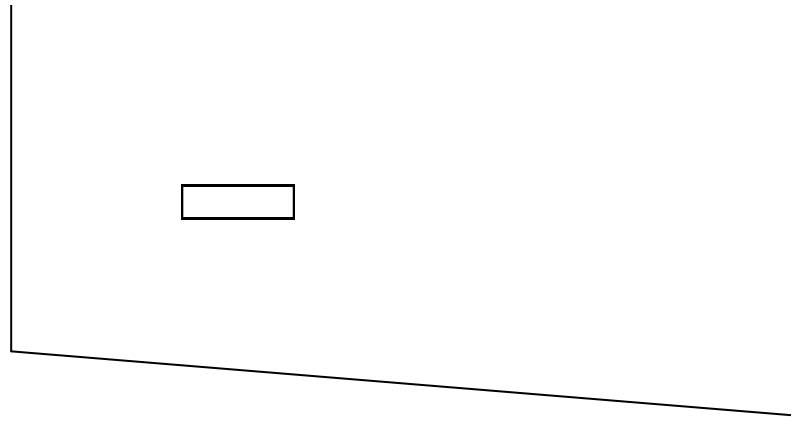
11 AIR INTAKE SCALE PART  
2 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1



12 LOWER REAR SHEET  
1 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1

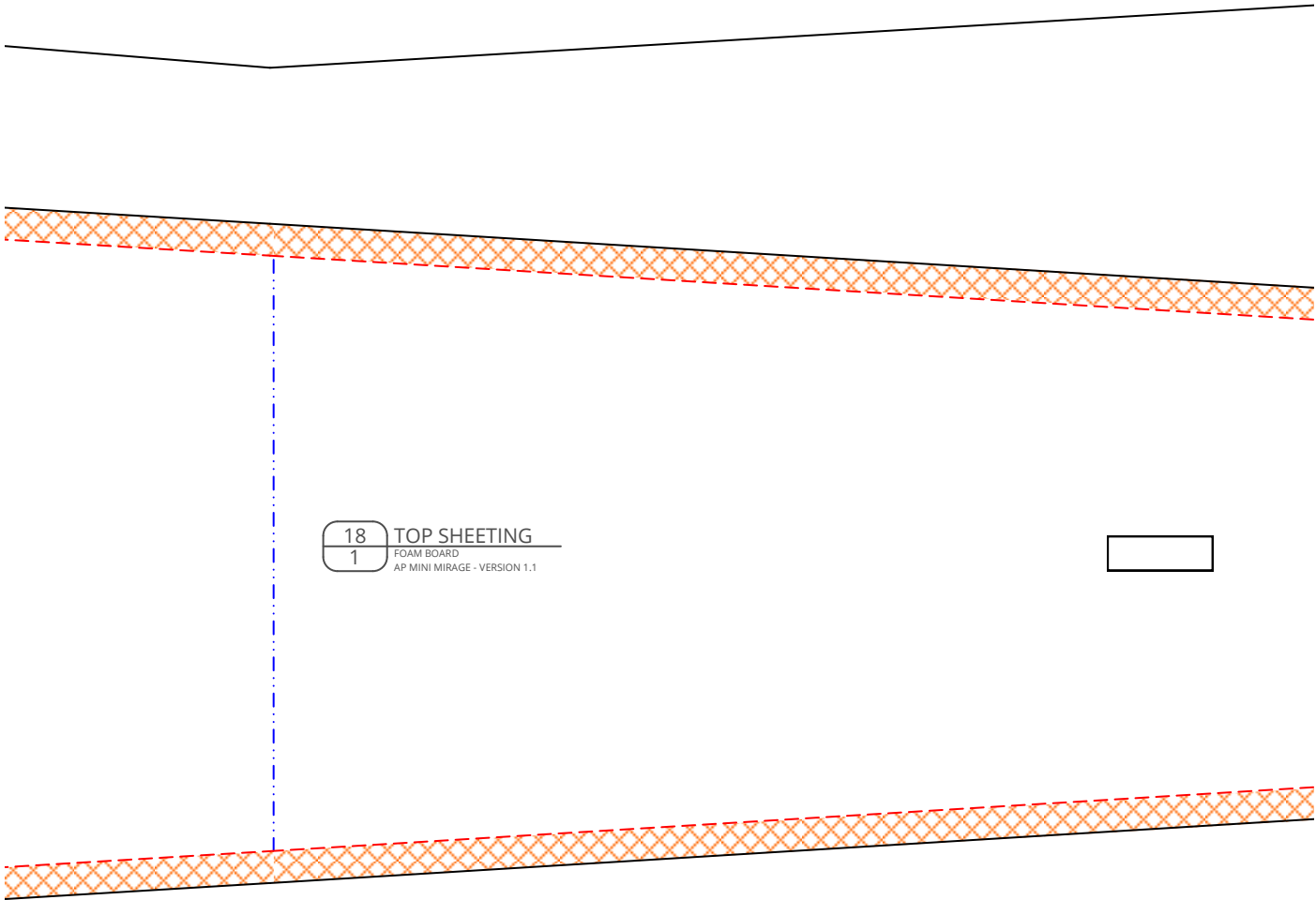




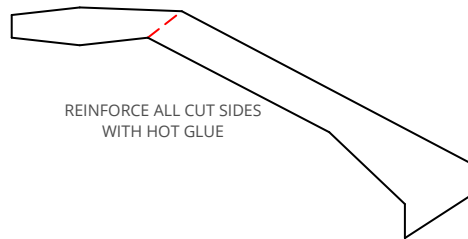




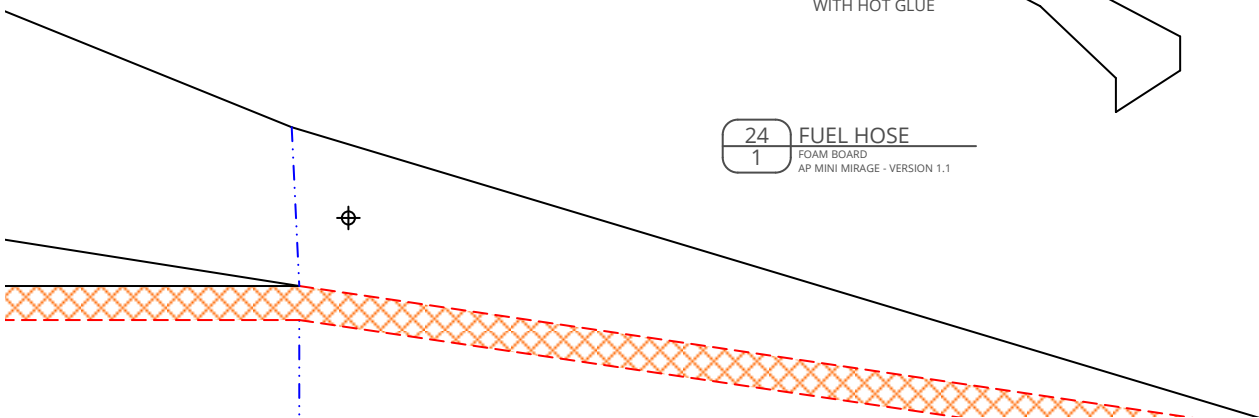
9 LEFT SIDEWALL  
1 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1



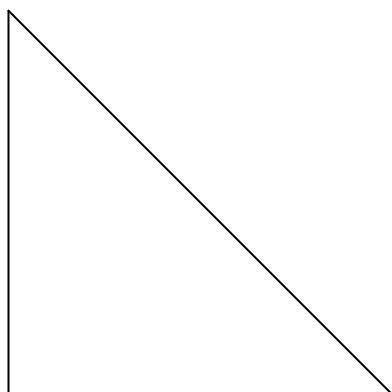
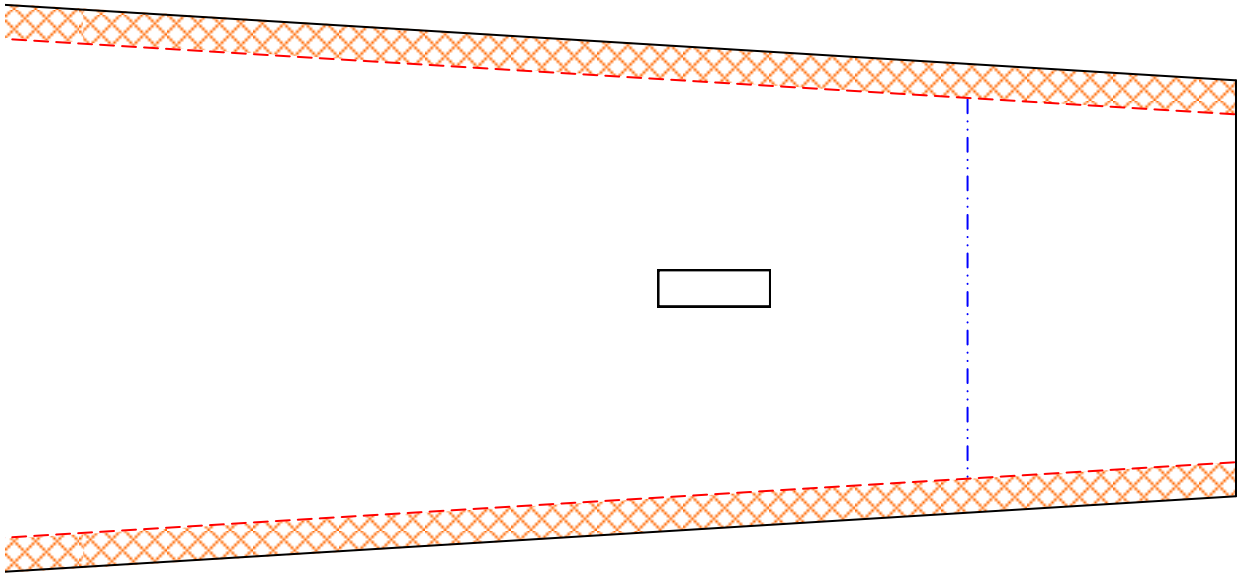
18 TOP SHEETING  
1 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1

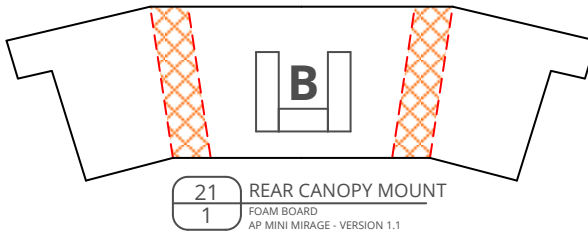
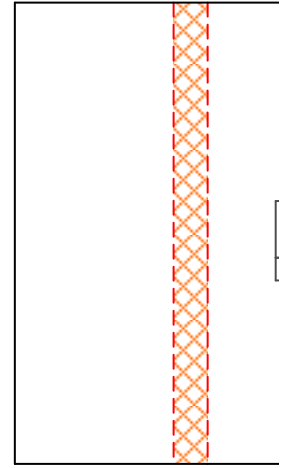
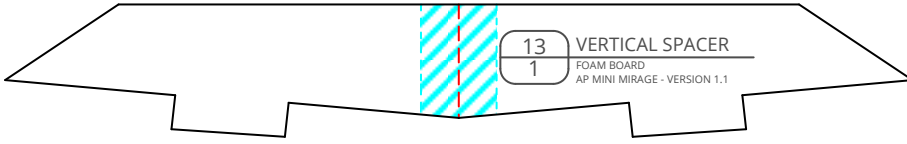
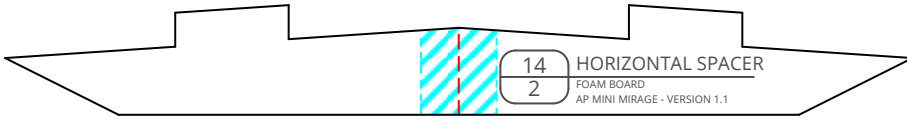
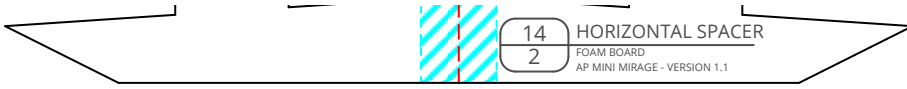


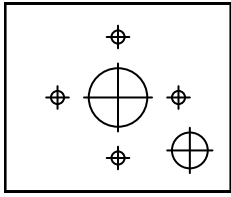
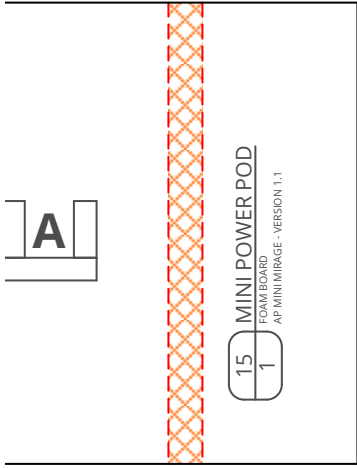
24 FUEL HOSE  
1 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1



GLUE PART 14 HERE!



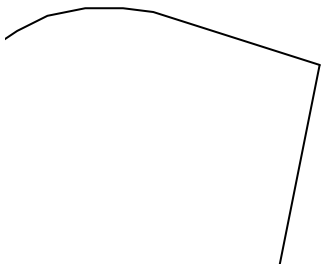
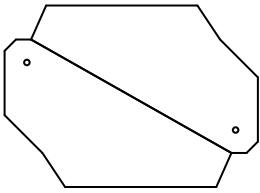


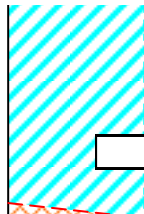


NT PIN



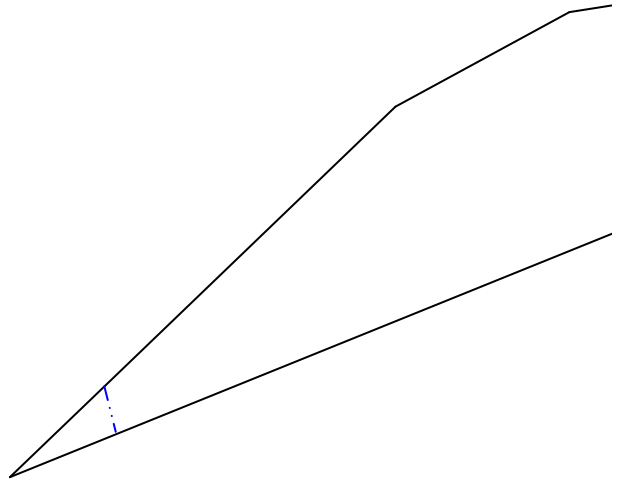
IN



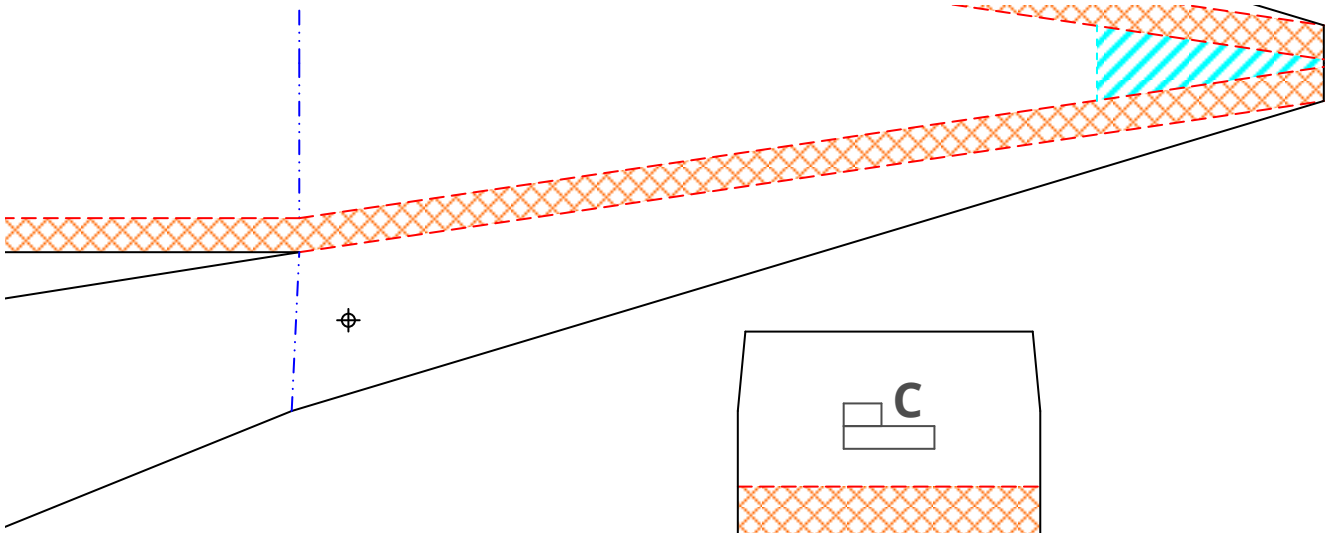


PART 22 HERE!

23 CANOPY  
1 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1



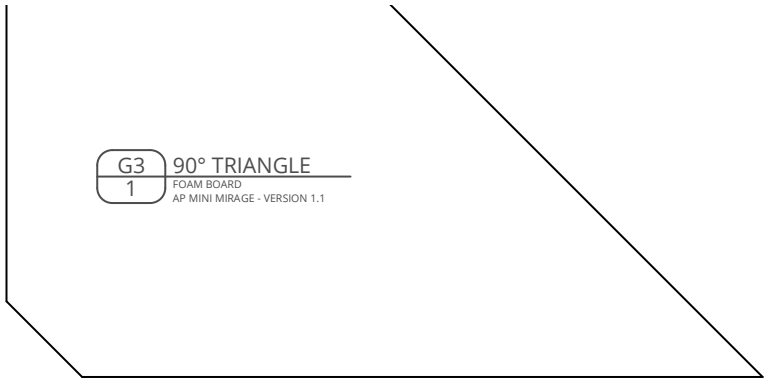
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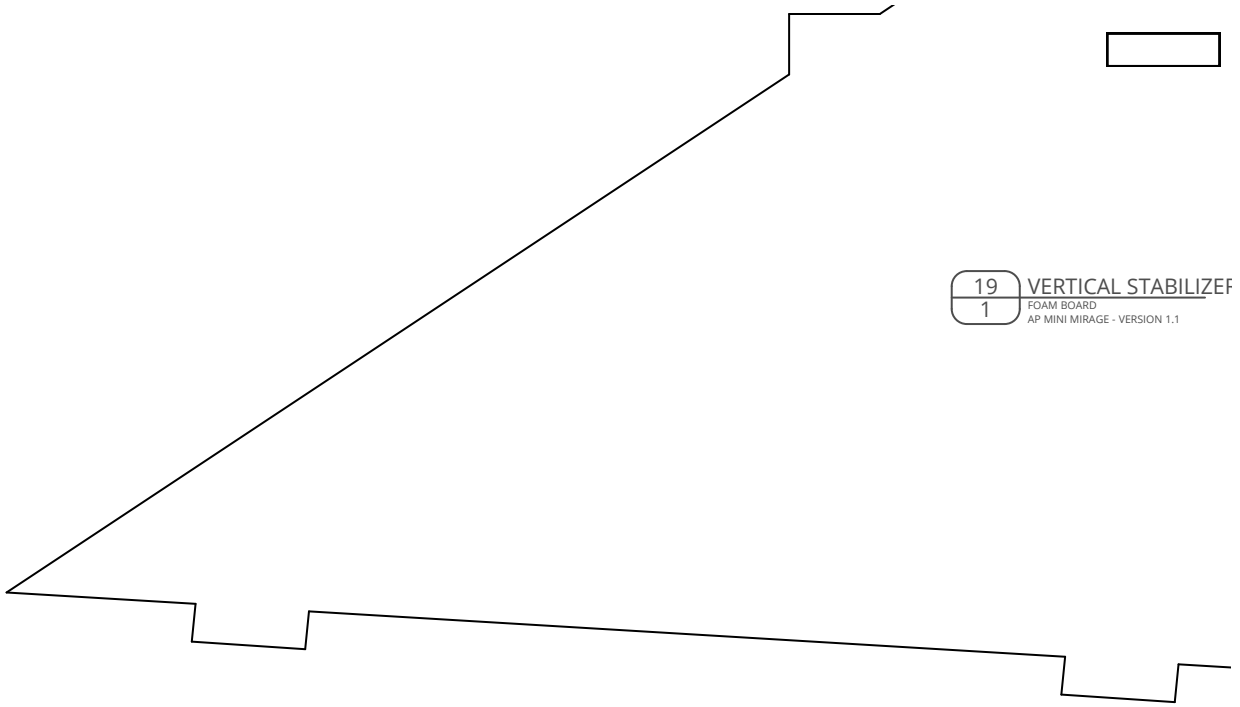


A callout box for the foam board material. It features a 'C' symbol above a small cross-section diagram of the foam board. Below the diagram is a red cross-hatched pattern. At the bottom of the box, there is a table with the following information:

22	FRONT CANOPY MOUNT
1	FOAM BOARD
	AP MINI MIRAGE - VERSION 1.1

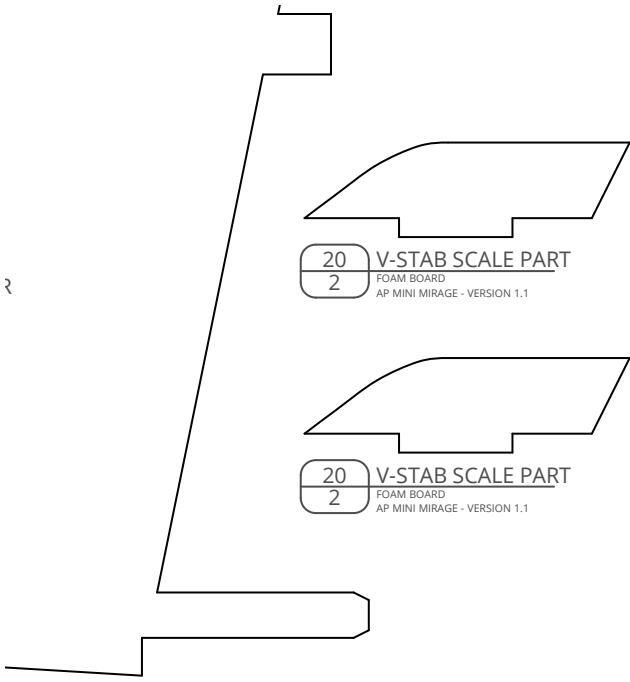
G3 90° TRIANGLE  
1 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1





19 VERTICAL STABILIZER  
1 FOAM BOARD  
AP MINI MIRAGE - VERSION 1.1



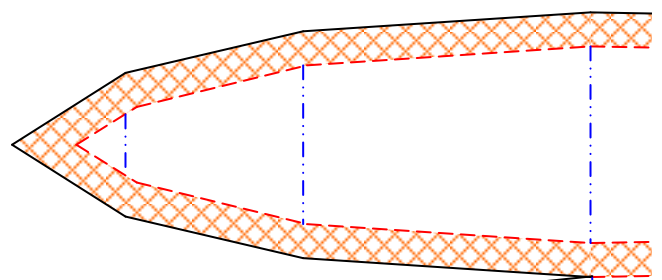
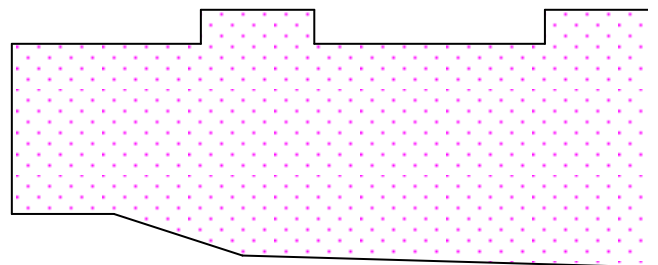


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# AP Mini Mirage

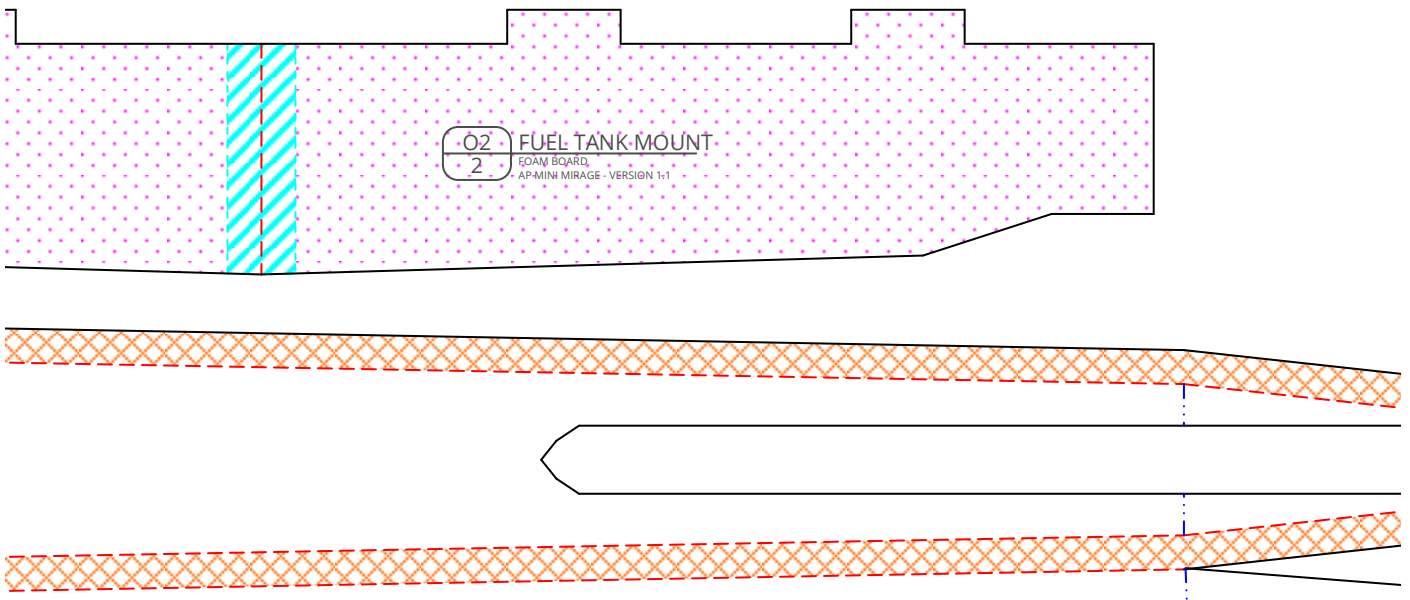
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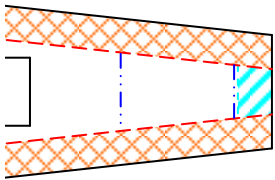
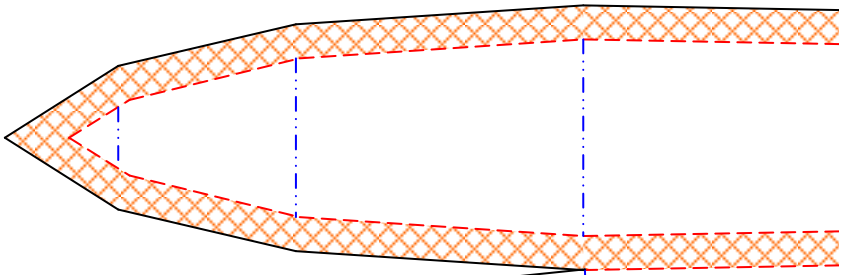
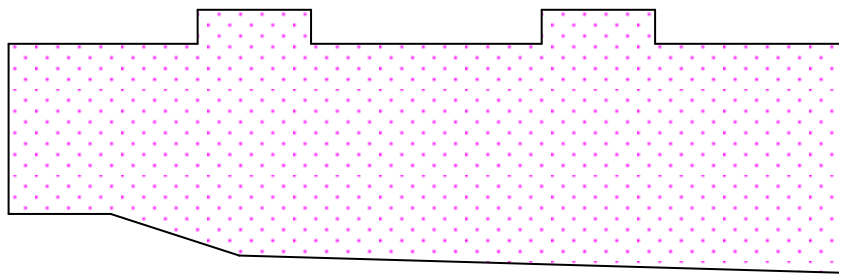
## OPTIONAL FUEL TANKS



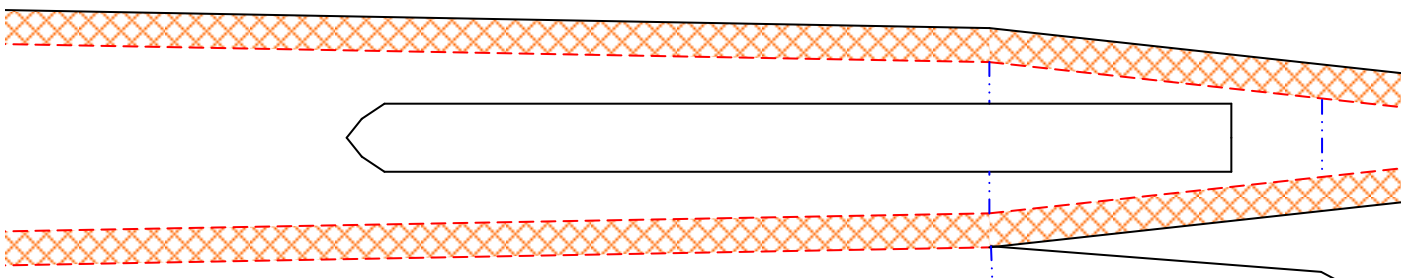


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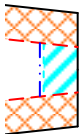


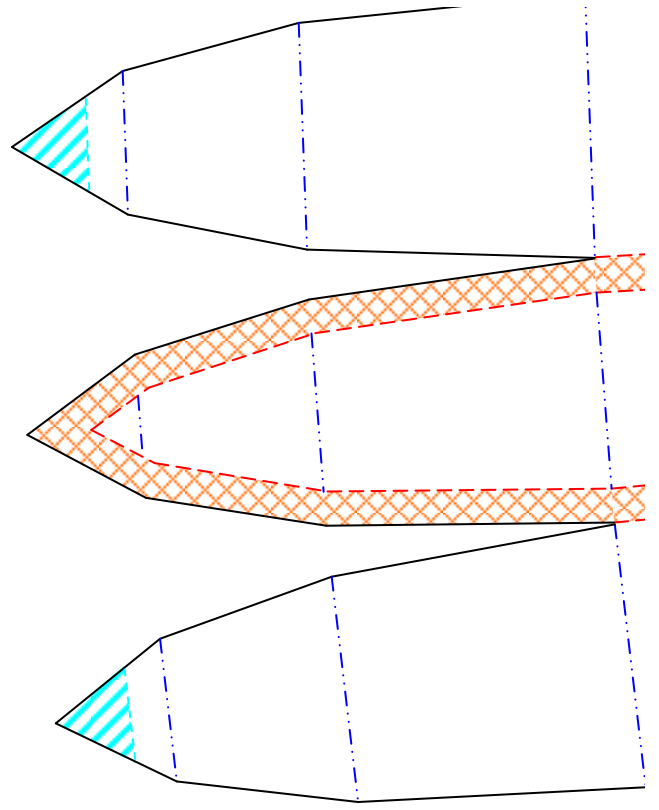
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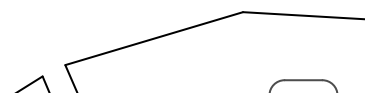
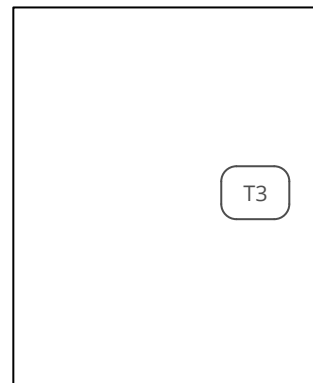
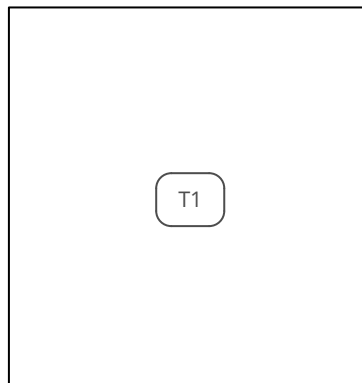
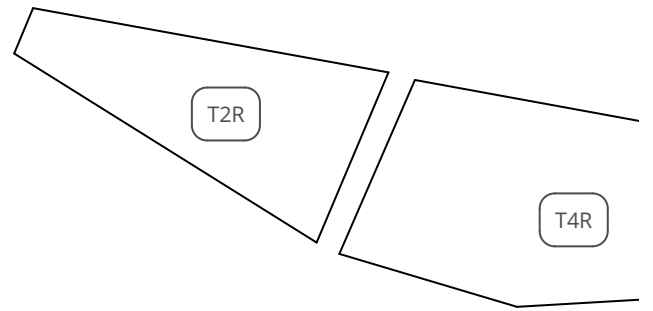
SHEET 3 OF 3

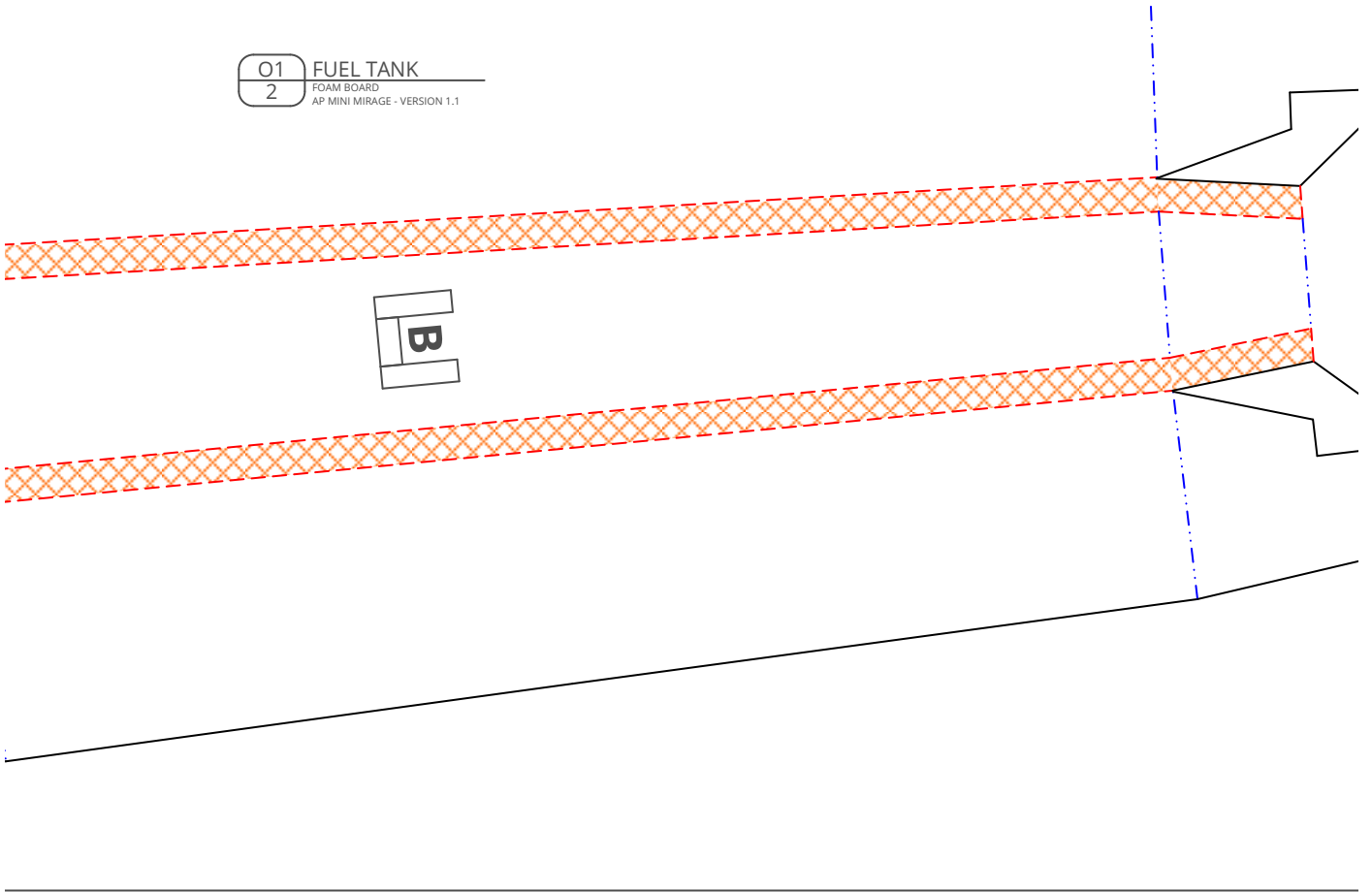




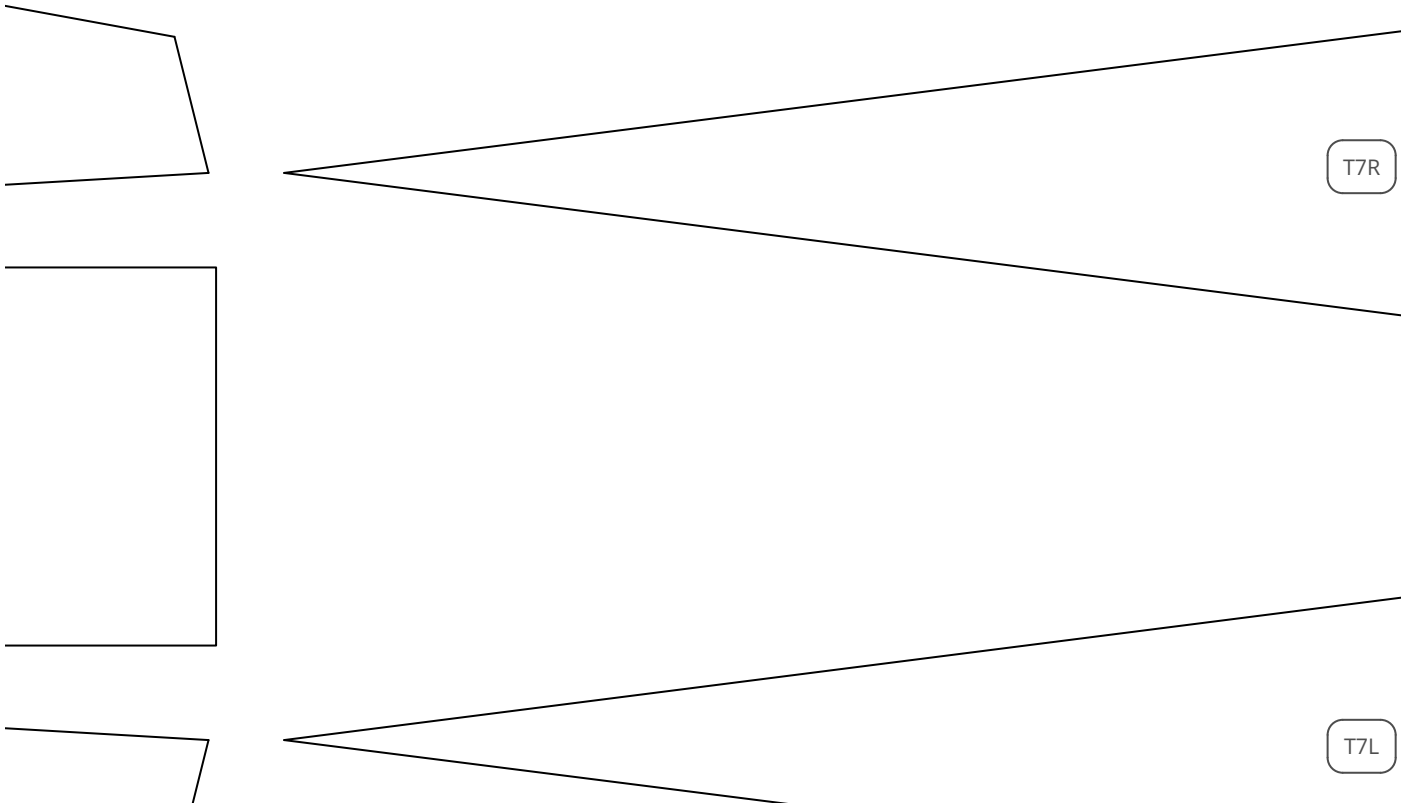
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## TEMPLATES FOR CUTTING

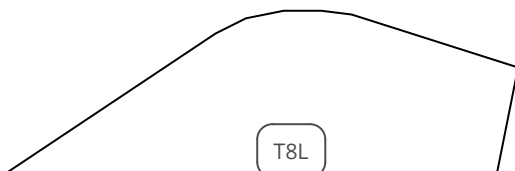
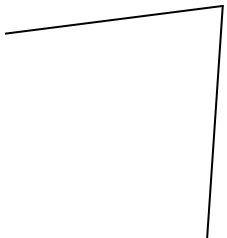
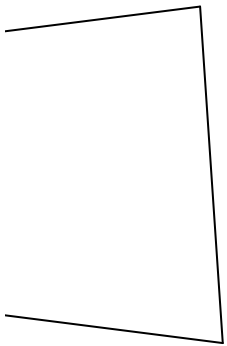
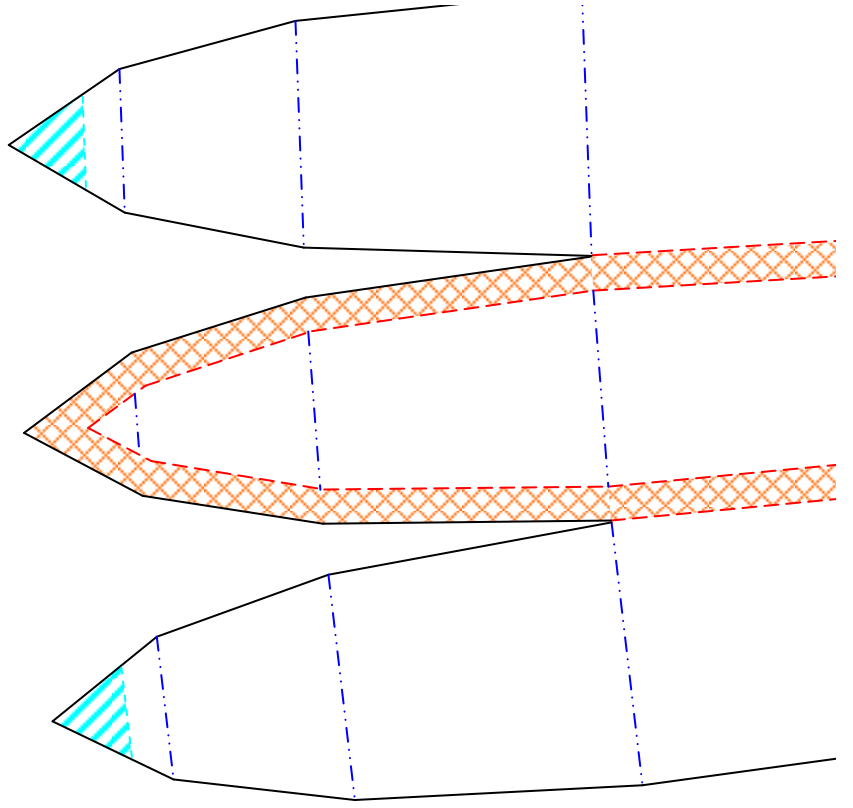
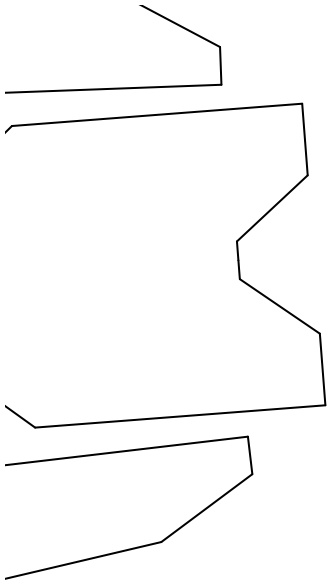


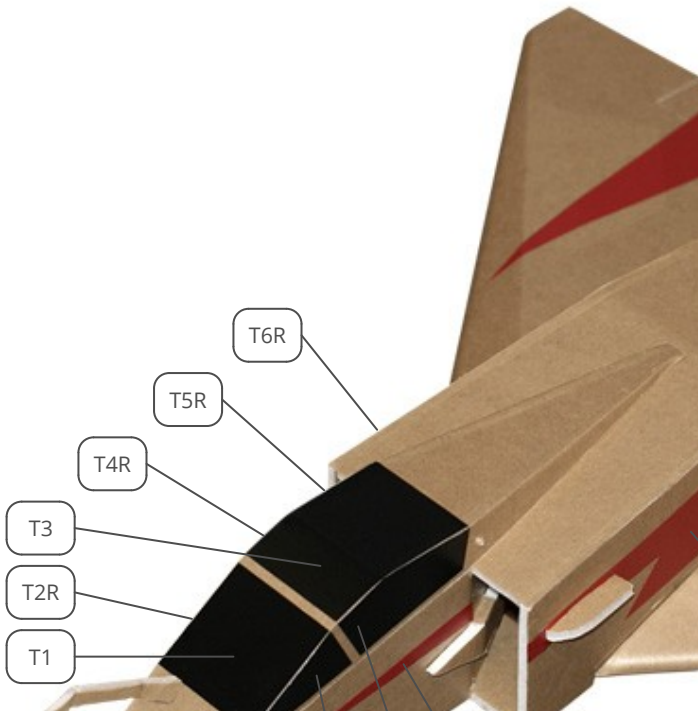
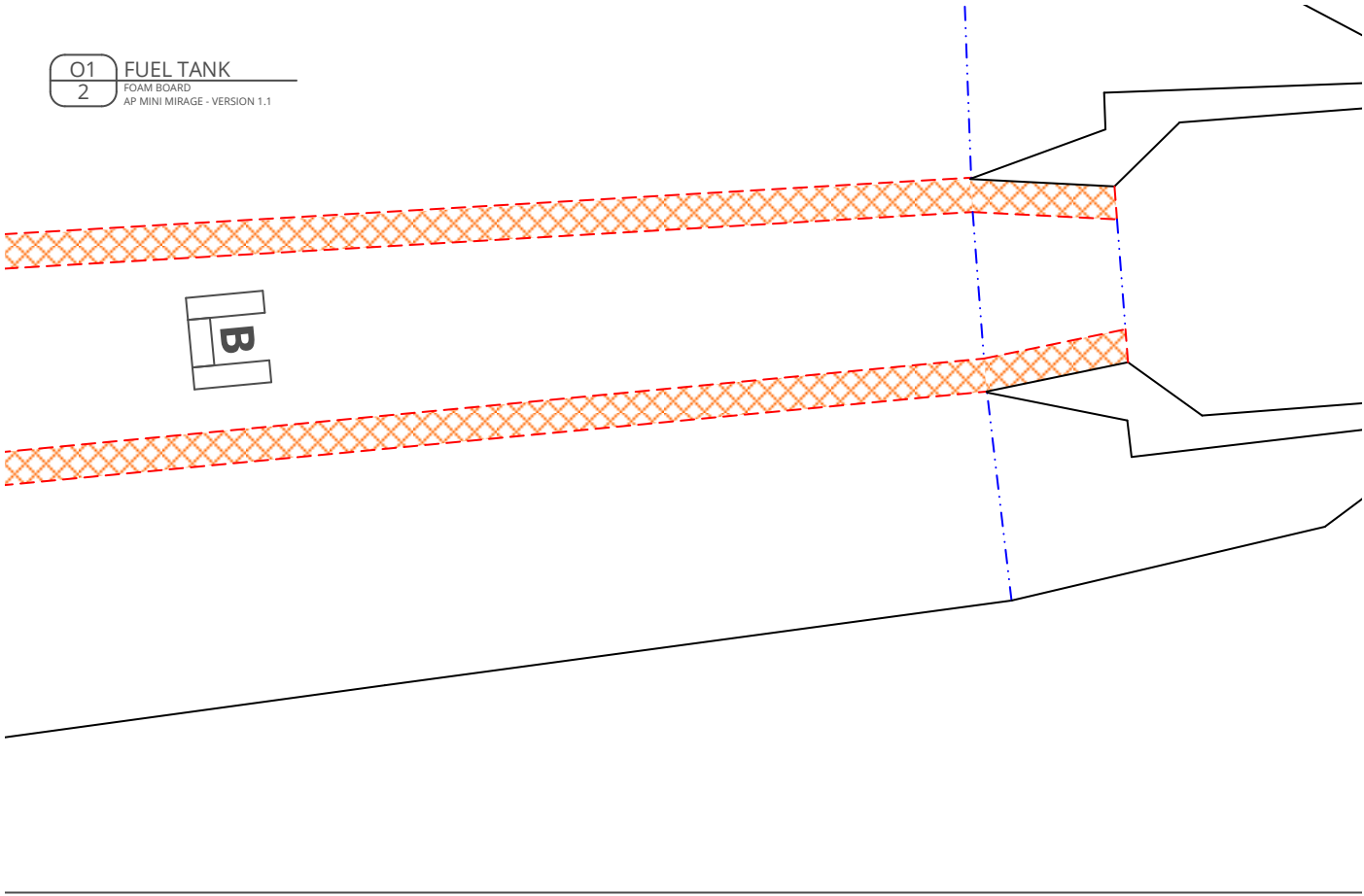


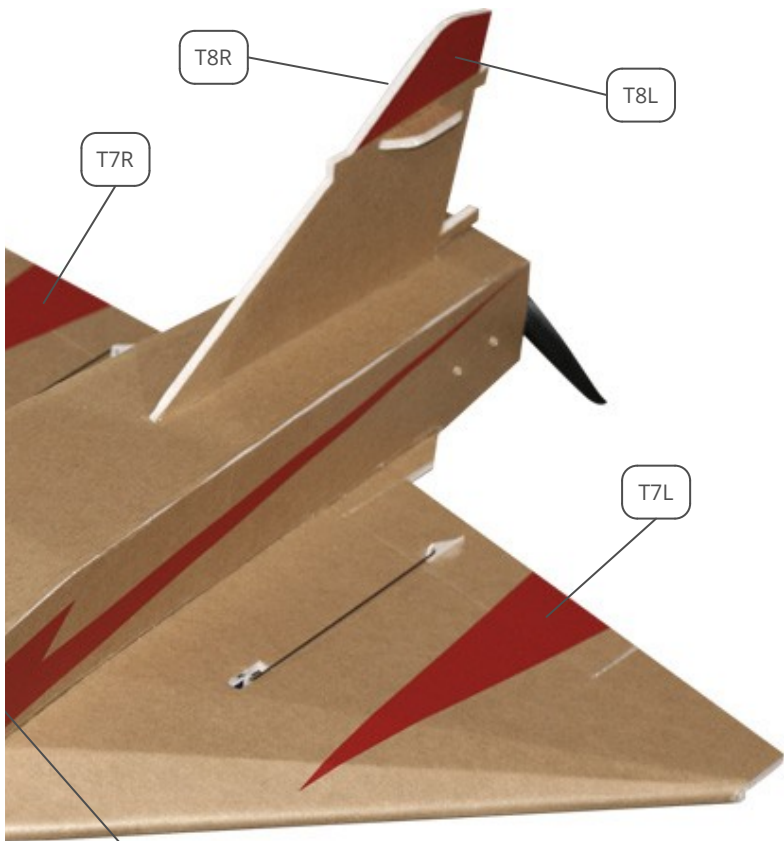
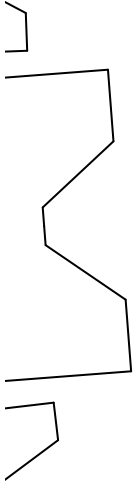
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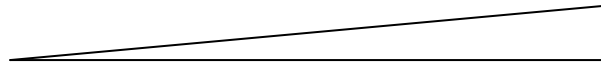
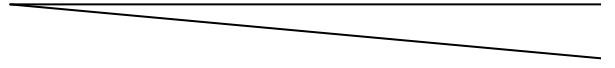
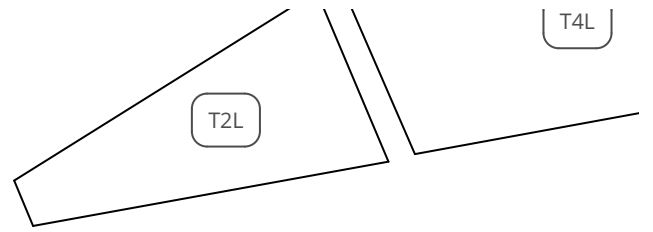




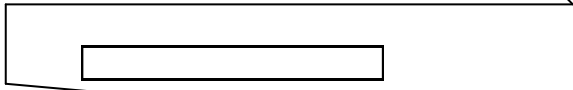




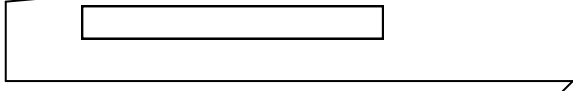
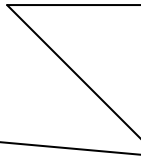




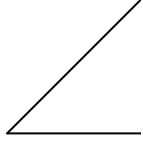
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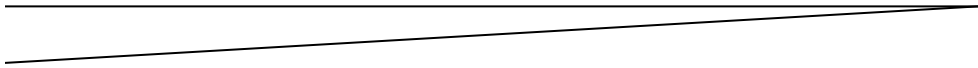
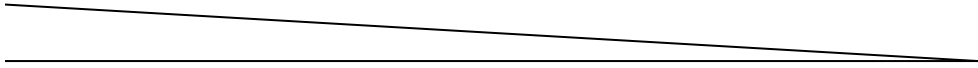




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