

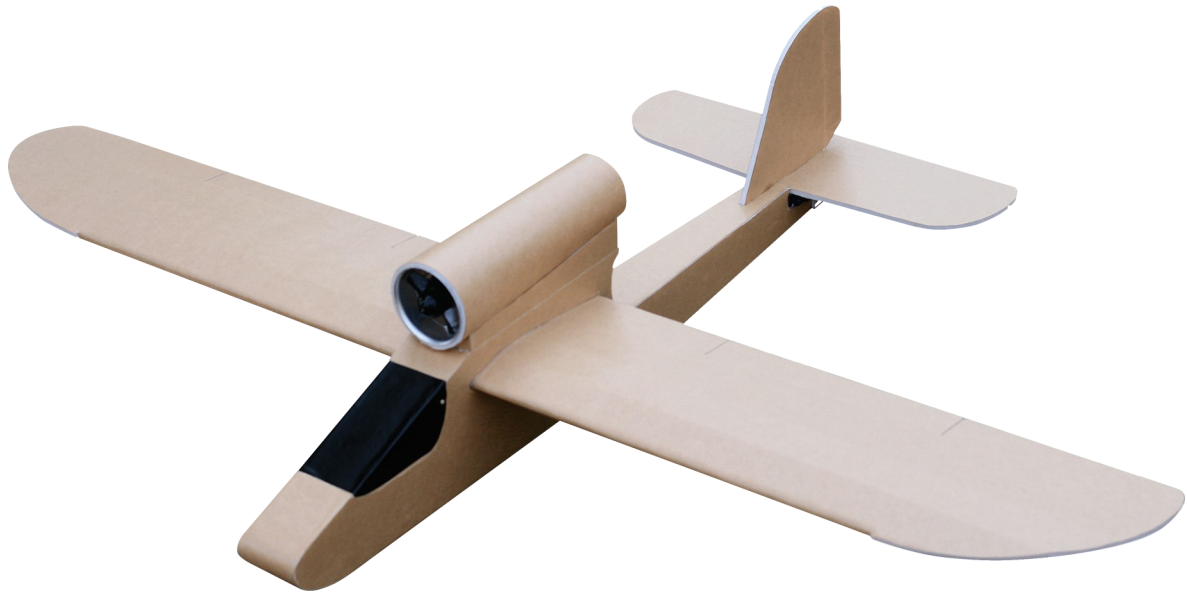


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AP Eazy Ducted Fan

Version 0.2 (2018-03-23)

Design & Drawing by: Tony Roehling



BETA

SPECS

WINGSPAN:	1000 mm 39.37 in
CG:	44 mm 1.73 in
LENGTH:	680 mm 26.77 in
DRY WEIGHT:	305 g 10.76 oz
ALL UP WEIGHT:	400 g 14.11 oz (with 1000 mAh 3s)
EXPO:	30 %
CHANNELS:	4 (THR AIL ELV RUD)

ELECTRONICS

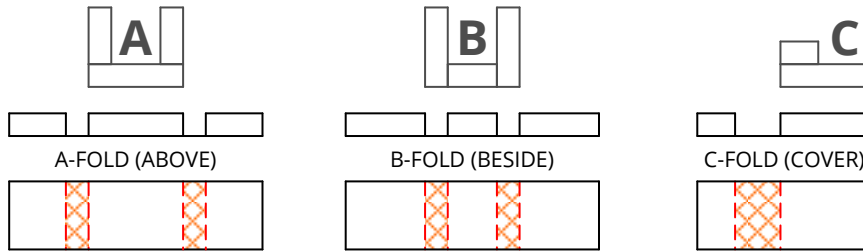
EDF:	50mm 5 Blade 4800kv 3s (minimum)
ESC:	20 A (minimum)
SERVOS:	4 x 5 g
BATTERY:	1000 mAh 3s

The picture shows version 0.1.

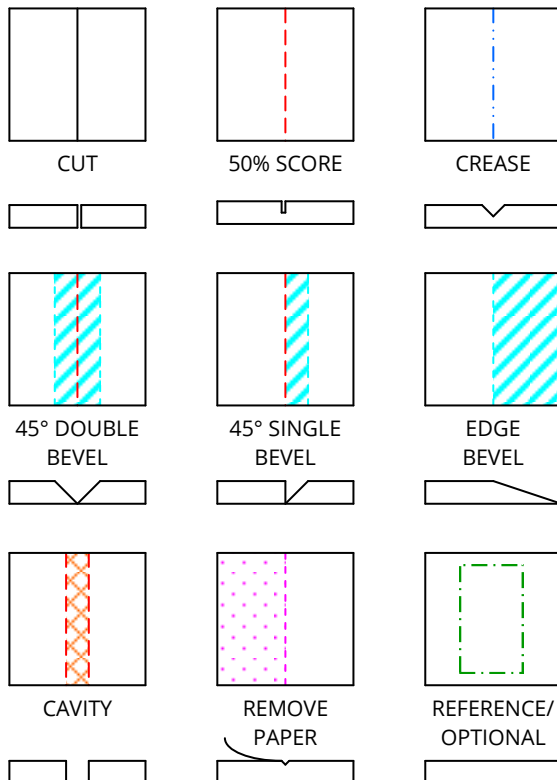
DRAWING KEY

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

FOLD TYPES

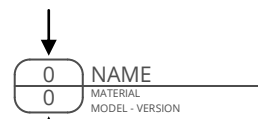


LINE TYPE/COLOR



SYMBOLS

PART NUMBER



QUANTITY



DOWEL HOLE

CENTER OF GRAVITY (CG)



BETA AP Eazy Ducted Fan

PARTS LIST

Version 0.2 (2018-03-23)



PART NR.	DESCRIPTION	QUANTITY	MATERIAL	SHEET
G1	90° TRIANGLE	1	FOAM BOARD	1
G2	THROW GAUGE	1	FOAM BOARD	1
1	FUSELAGE	1	FOAM BOARD	1
2	CANOPY MOUNT SUPPORT	2	FOAM BOARD	1
3	UPPER SHEETING	1	FOAM BOARD	1
4	REAR SHEETING	1	FOAM BOARD	1
5	UPPER WINDOW	1	FOAM BOARD	1
6	RIGHT WINDOW	1	FOAM BOARD	1
7	LEFT WINDOW	1	FOAM BOARD	1
8	CANOPY MOUNT PIN	1	BBQ SKEWER	1
9	HORIZONTAL STABILIZER	1	FOAM BOARD	1
10	VERTICAL STABILIZER	1	FOAM BOARD	1
11	RIGHT WING	1	FOAM BOARD	2
12	LEFT WING	1	FOAM BOARD	2
13	OUTER SPAR	2	FOAM BOARD	1
14	CENTER SPAR	1	FOAM BOARD	1
15	CONTROL HORN	4	PLASTIC CARD	1
16	EDF TUBE	1	FOAM BOARD	2
	OTHER MATERIALS			
	STEEL WIRE (Ø 1mm) FOR THE LINKAGE RODS			
	VELCRO TO MOUNT THE BATTERY, ESC, ...			

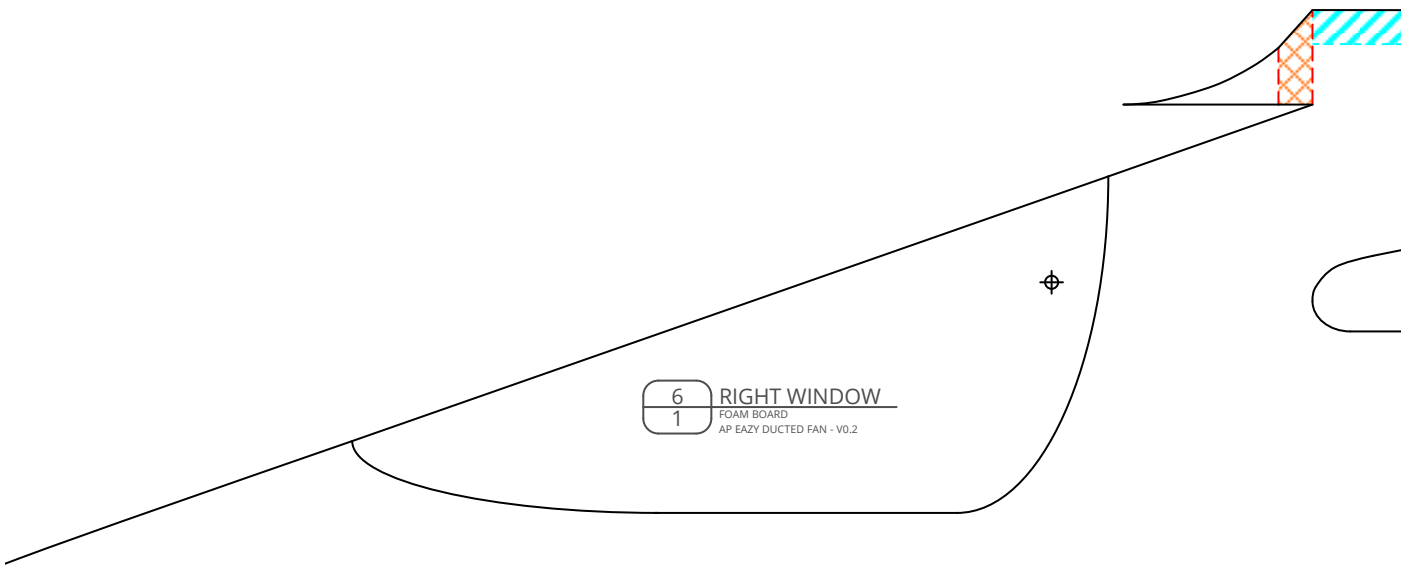
Build the Eazy Ducted Fan in the order of the part numbers!

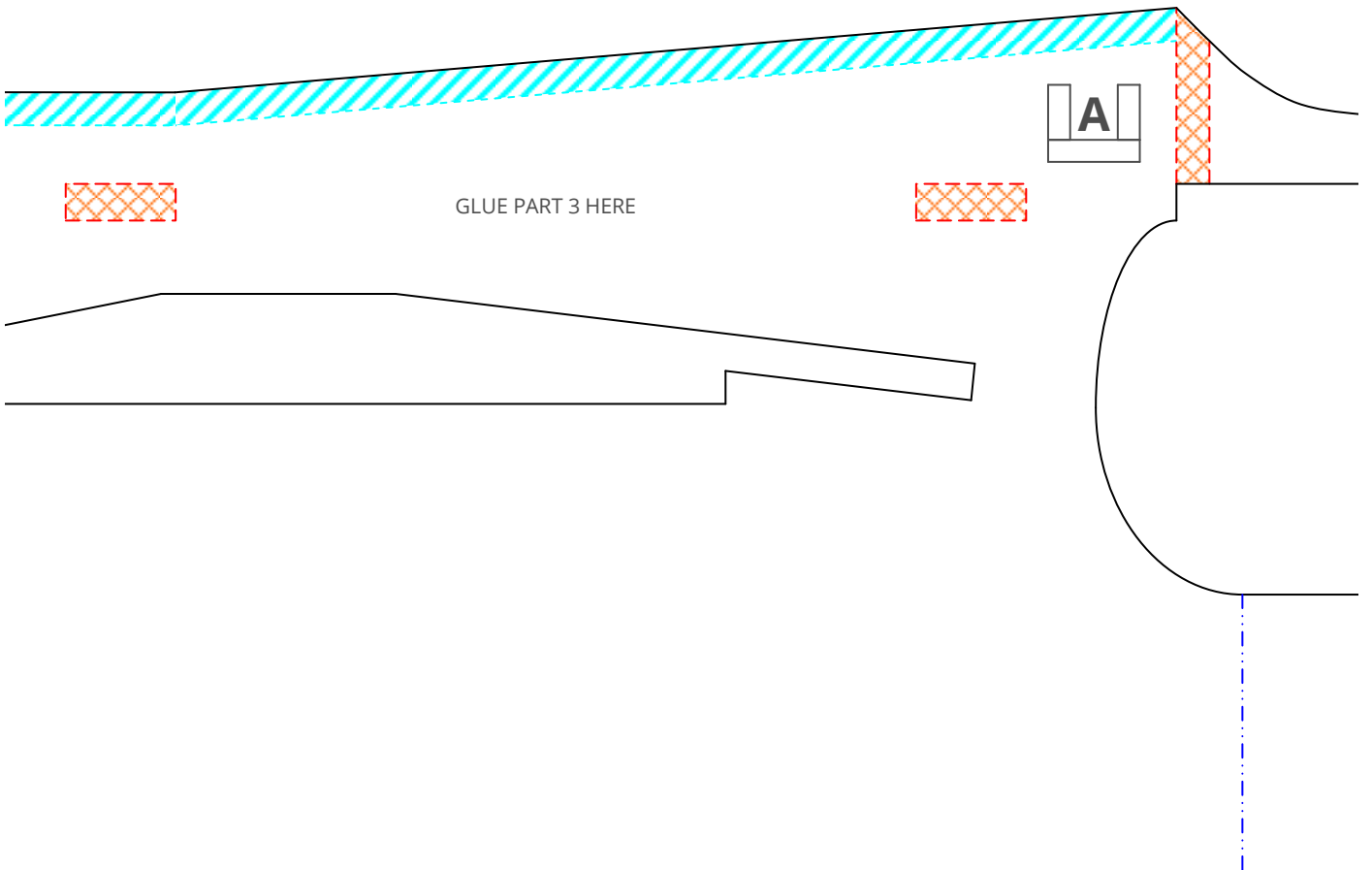
AP Eazy Ducted

Design & Drawing by: Tony Roehling

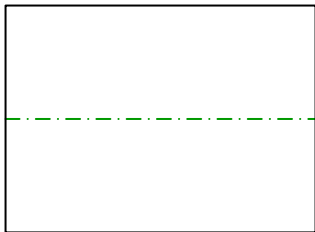
BETA

Fan - Version 0.2 (2018-03-23)



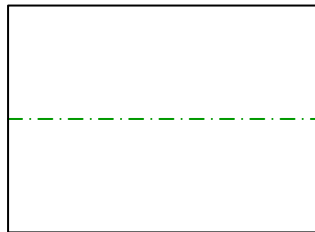


in
cm



2
2

 CANOPY MOUNT SUPPORT
FOAM BOARD
AP EAZY DUCTED FAN - V0.2



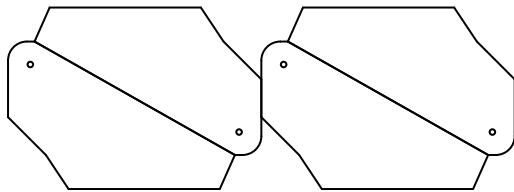
2
2

 CANOPY MOUNT SUPPORT
FOAM BOARD
AP EAZY DUCTED FAN - V0.2

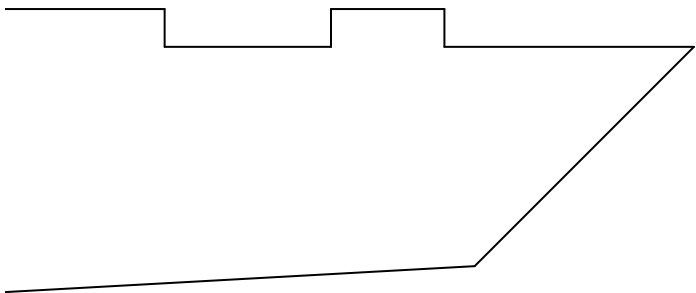


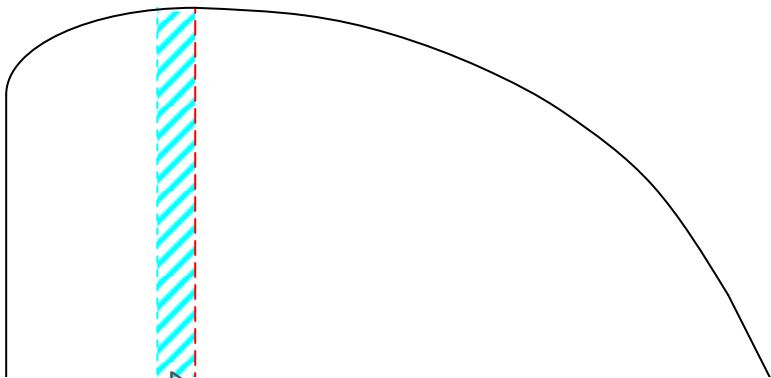
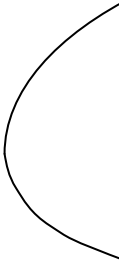
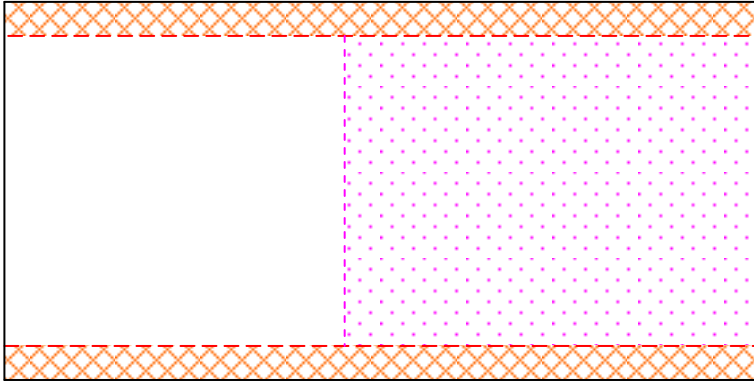
8
1

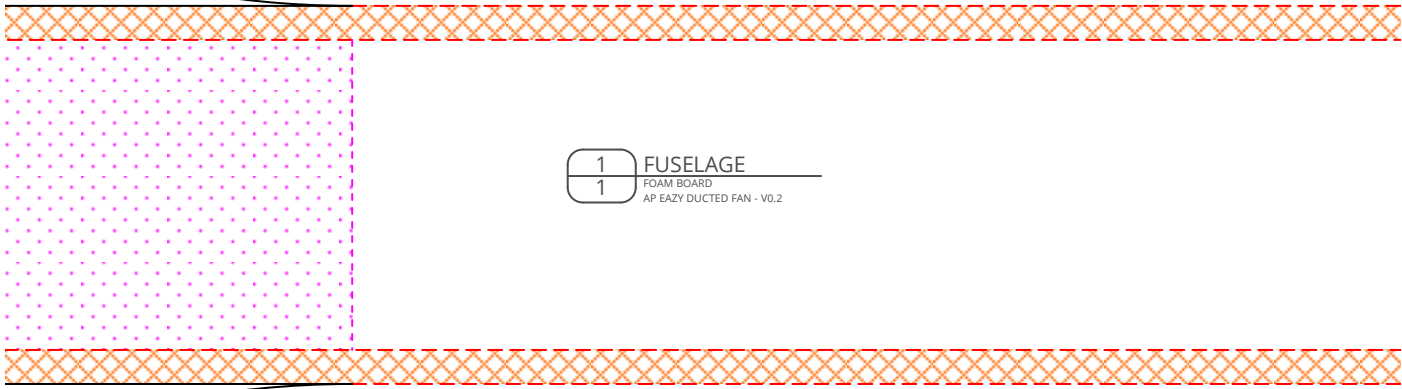
 CANOPY MOUNT PIN
BBQ SKEWER
AP EAZY DUCTED FAN - V0.2



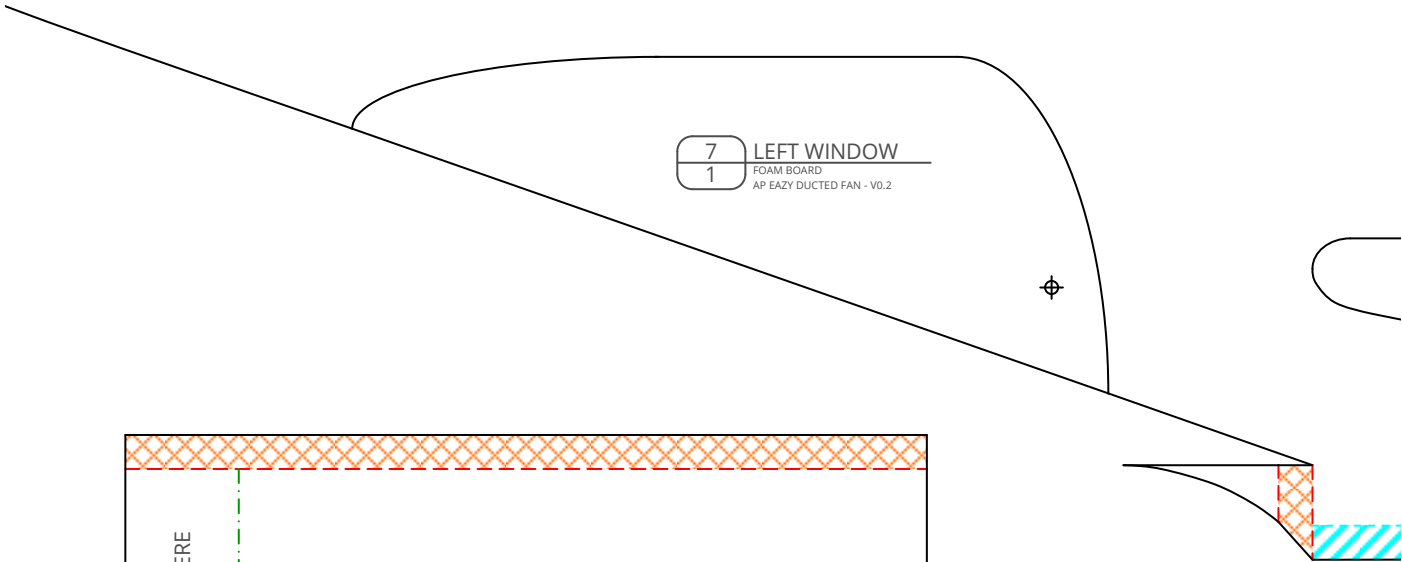
15 CONTROL HORN
4 PLASTIC CARD
AP EAZY DUCTED FAN - V0.2



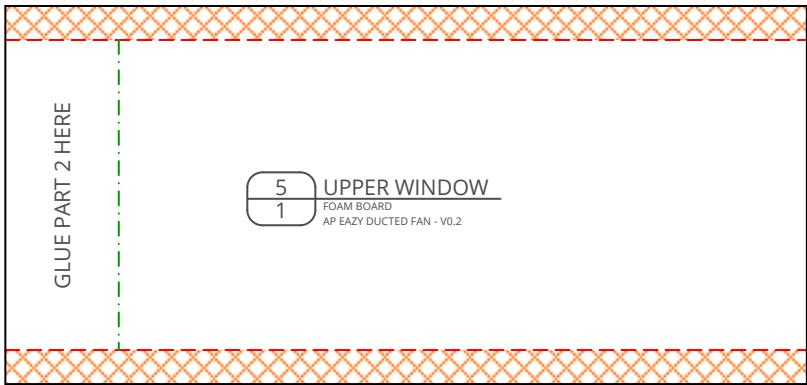




1 FUSELAGE
FOAM BOARD
1 AP EAZY DUCTED FAN - V0.2

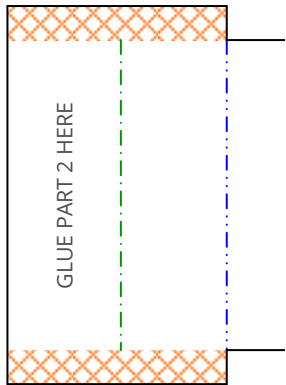


7 LEFT WINDOW
FOAM BOARD
1 AP EAZY DUCTED FAN - V0.2

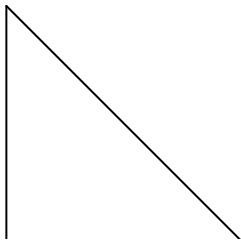


5 UPPER WINDOW
FOAM BOARD
1 AP EAZY DUCTED FAN - V0.2

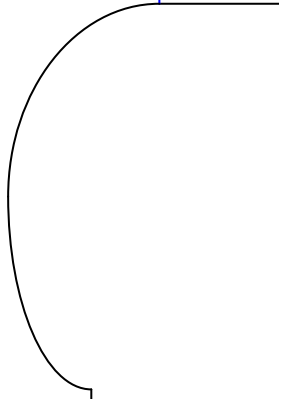
GLUE PART 2 HERE



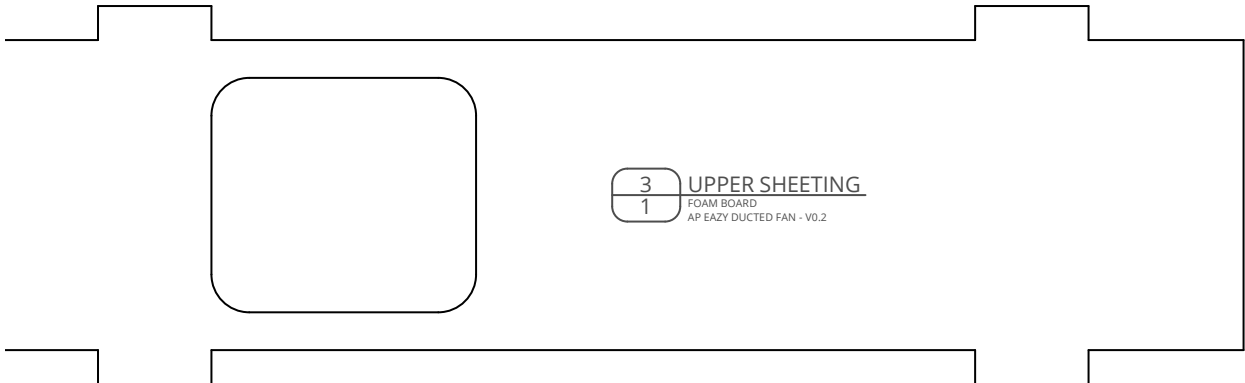
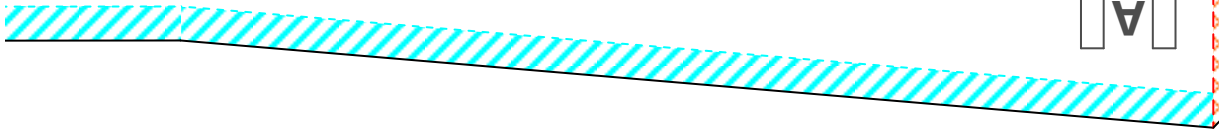
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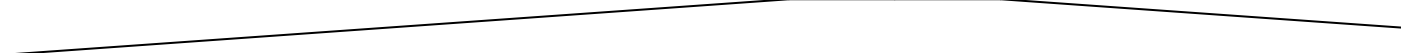
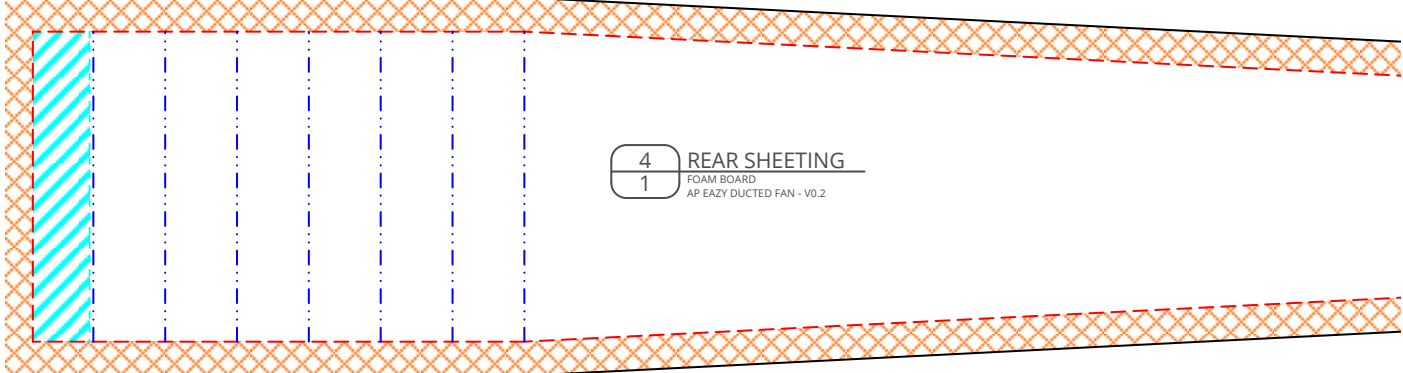
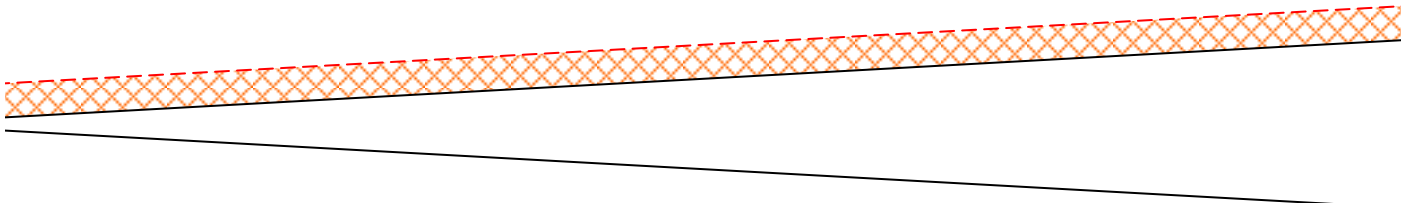
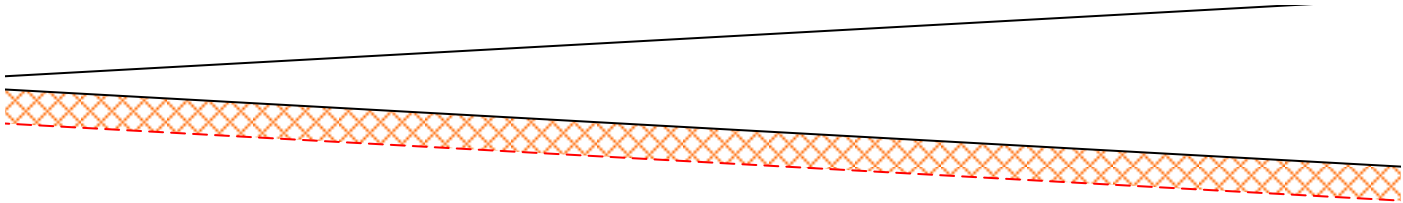
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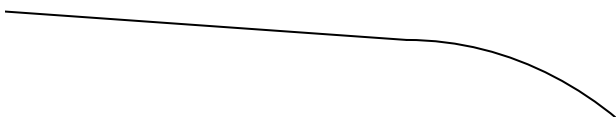
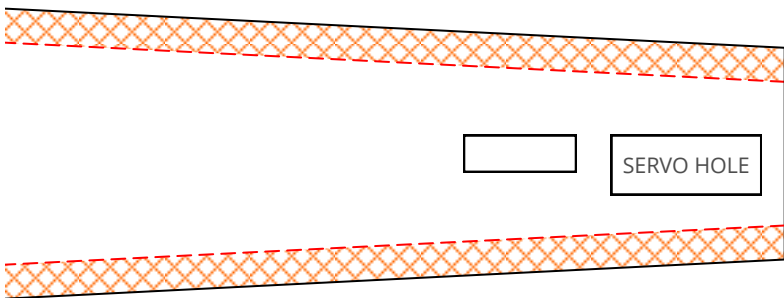
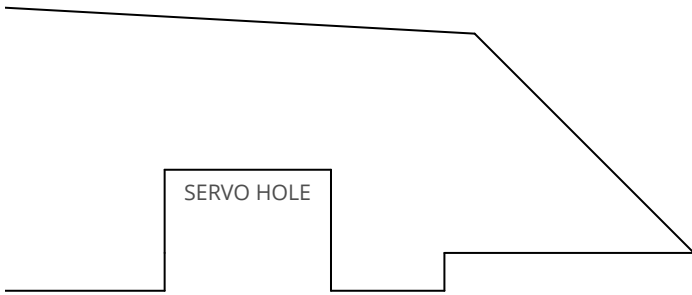
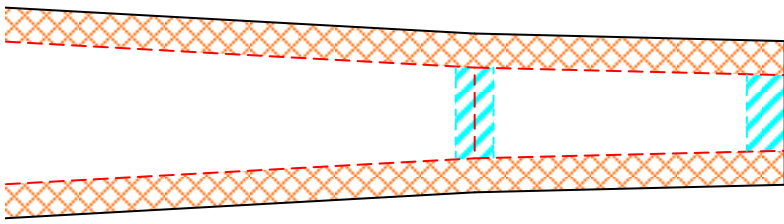


A



3 UPPER SHEETING
1 FOAM BOARD
AP EAZY DUCTED FAN - V0.2





15° SINGLE BEVEL

10 VERTICAL STABILIZER
1 FOAM BOARD
AP EAZY DUCTED FAN - V0.2

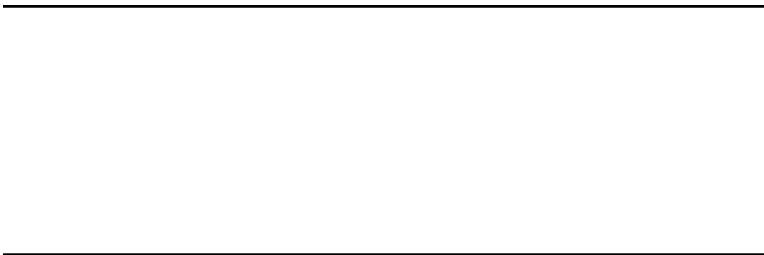
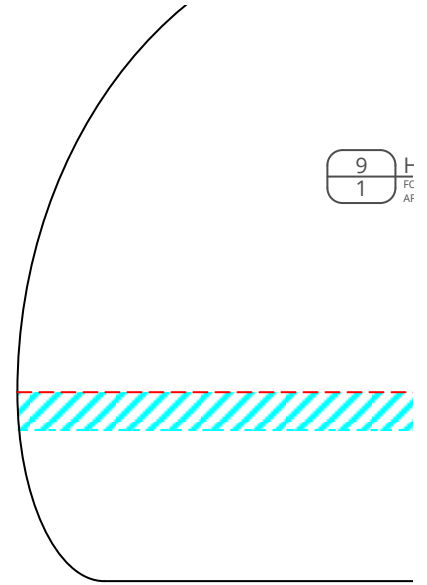
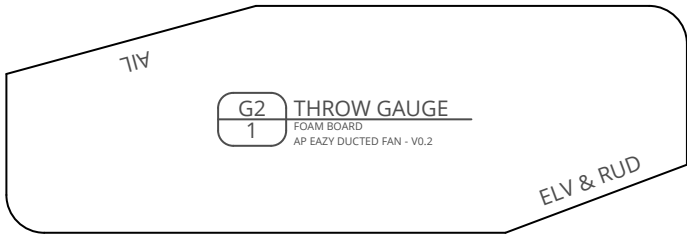
SER
SPA



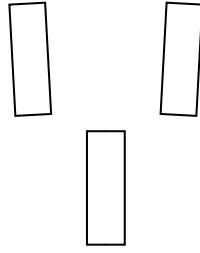


G1 90° TRIANGLE
1 FOAM BOARD
AP EAZY DUCTED FAN - V0.2

14 CENTER SPAR
1 FOAM BOARD
AP EAZY DUCTED FAN - V0.2



HORIZONTAL STABILIZER
JAM BOARD
EASY DUCTED FAN - V0.2



JTER SPAR
J BOARD
EZY DUCTED FAN - V0.2



13 O
2 FOR
AP E



UTER SPAR
M BOARD
FAZY DUCTED FAN - V0.2

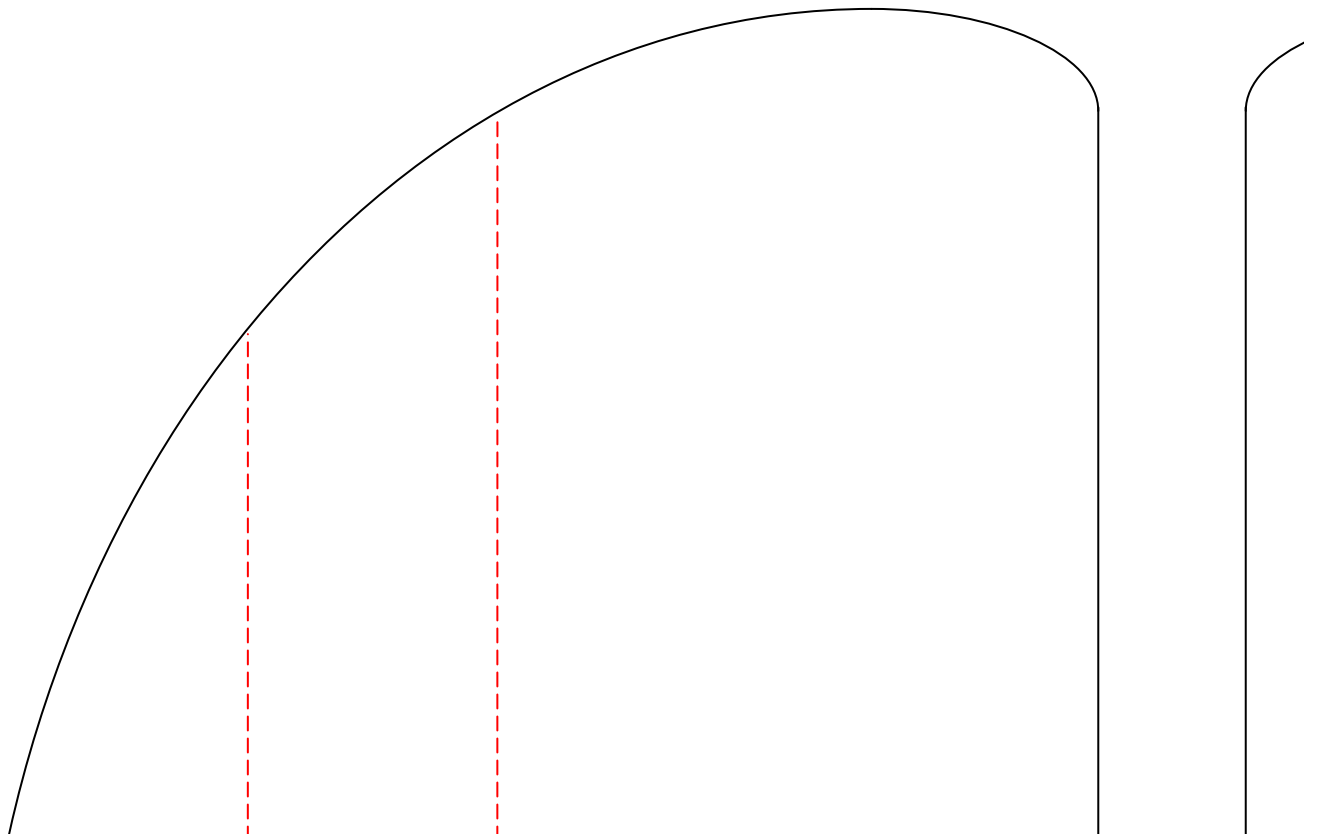
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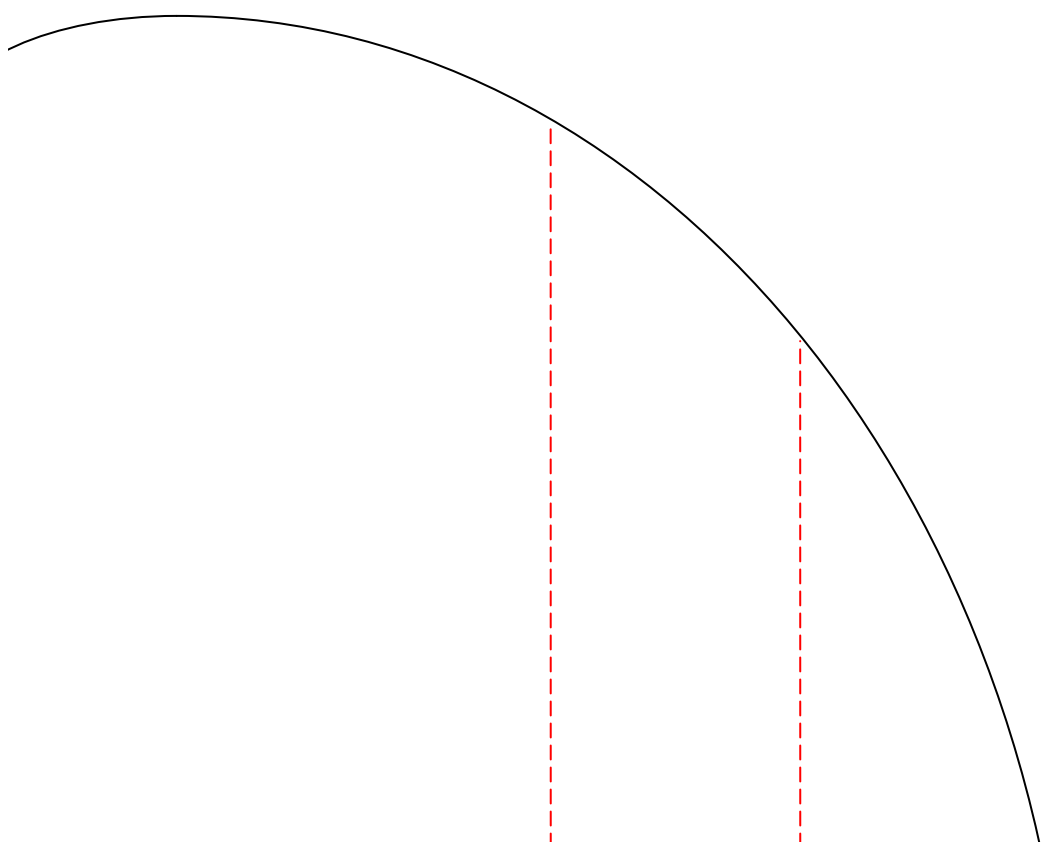
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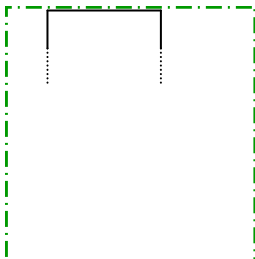
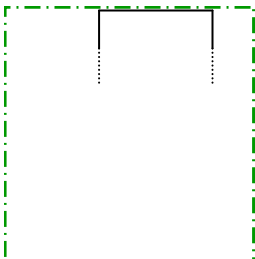
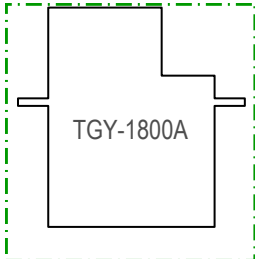
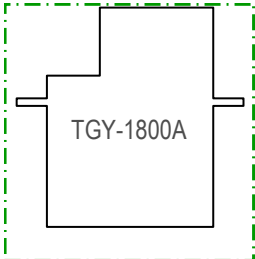
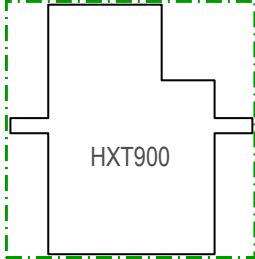
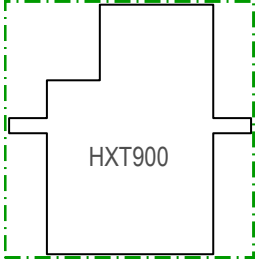




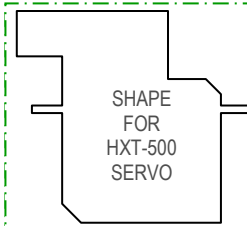
in
cm



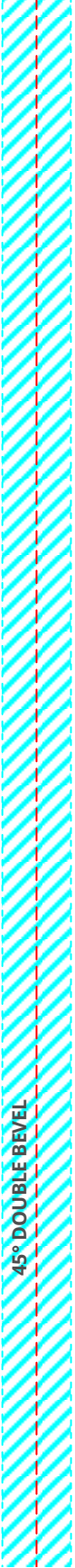
CHOOSE A SERVO SHAPE OR CREATE YOUR OWN!



GLUE PART 14 HERE

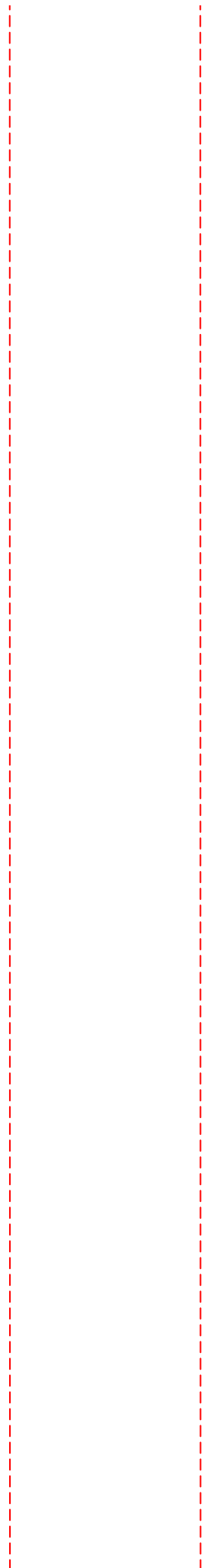
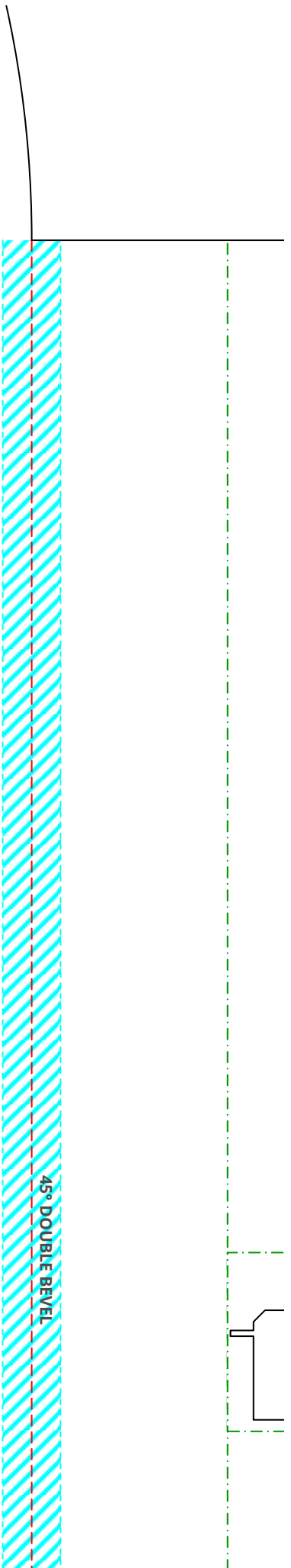
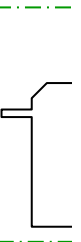


45° DOUBLE BEVEL

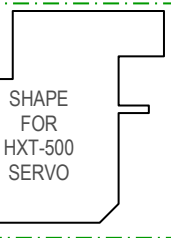


45° SINGLE BEVEL

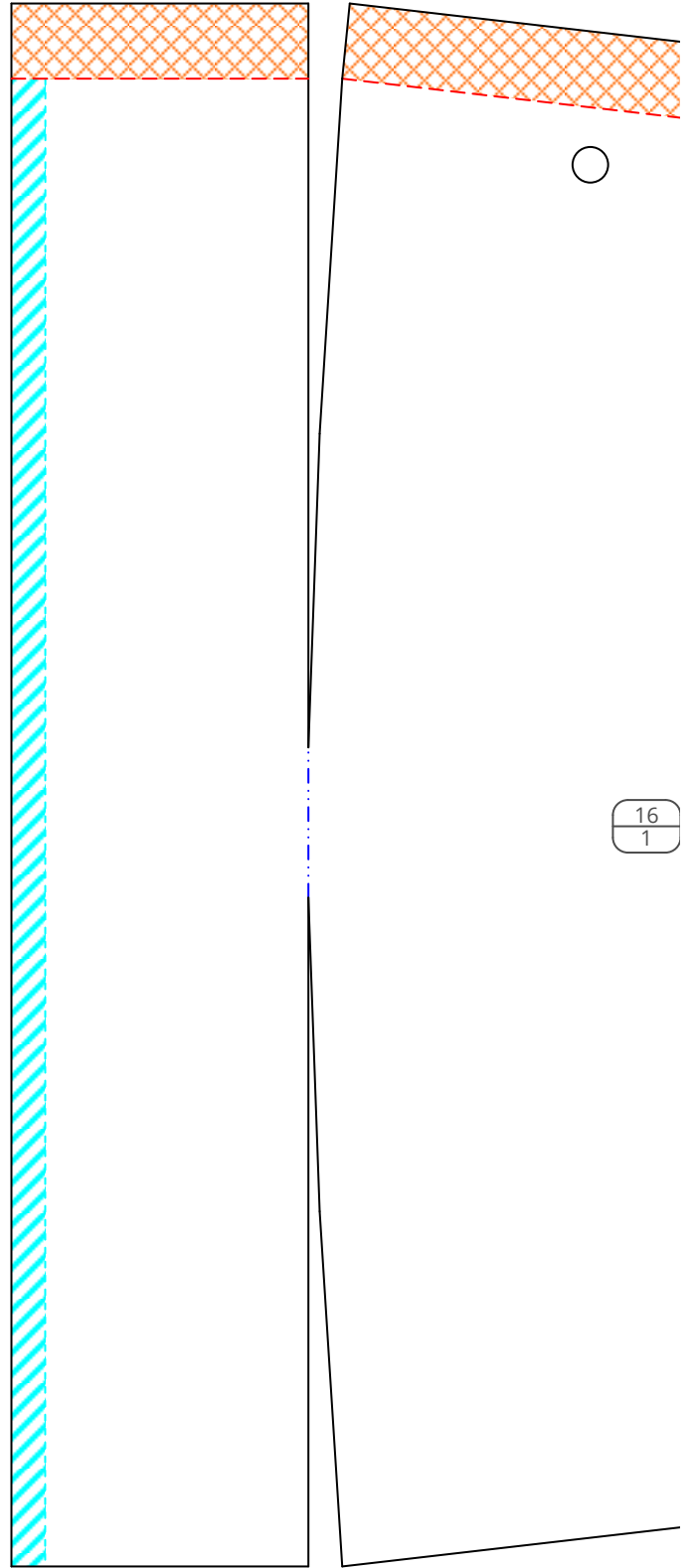


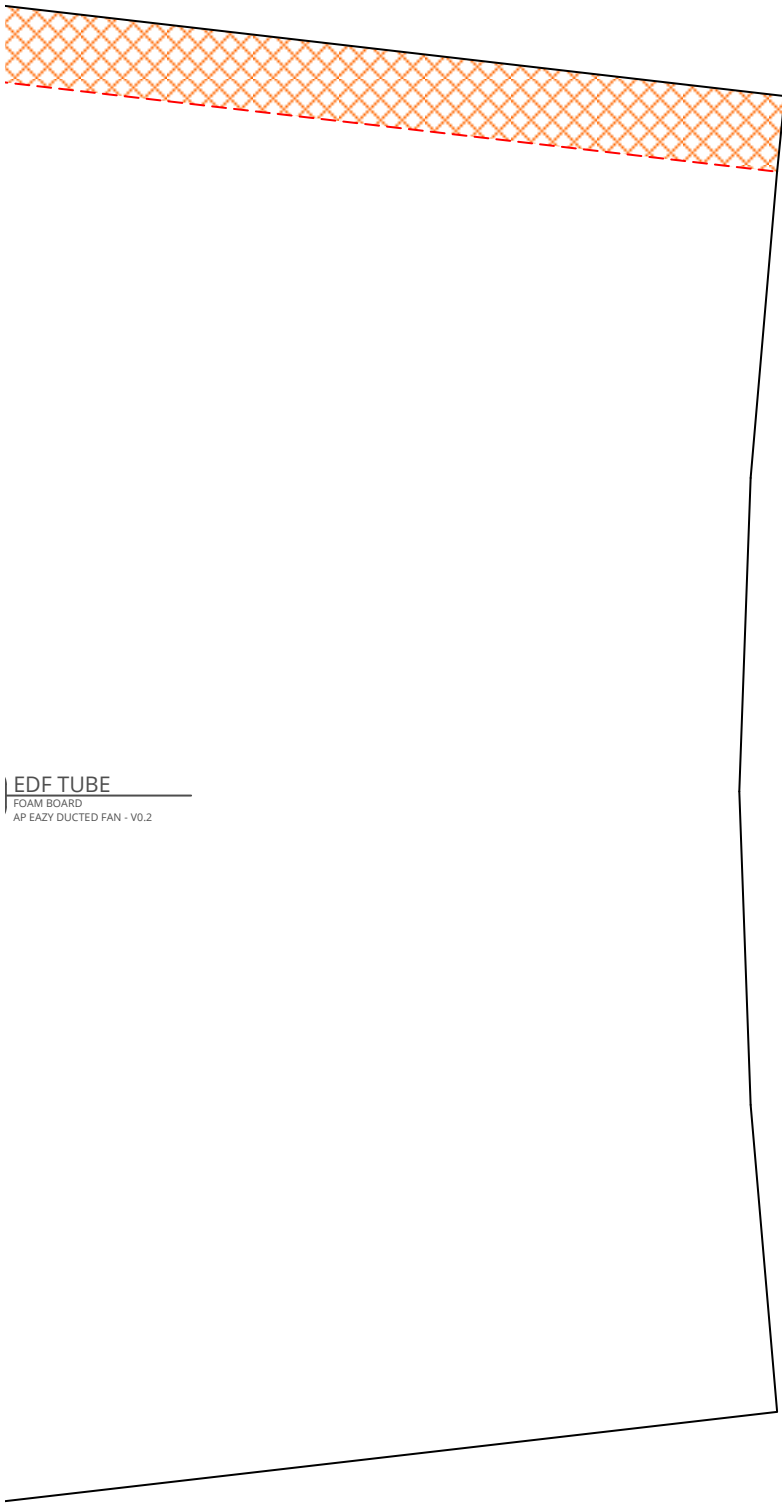


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SHAPE
FOR
HXT-500
SERVO





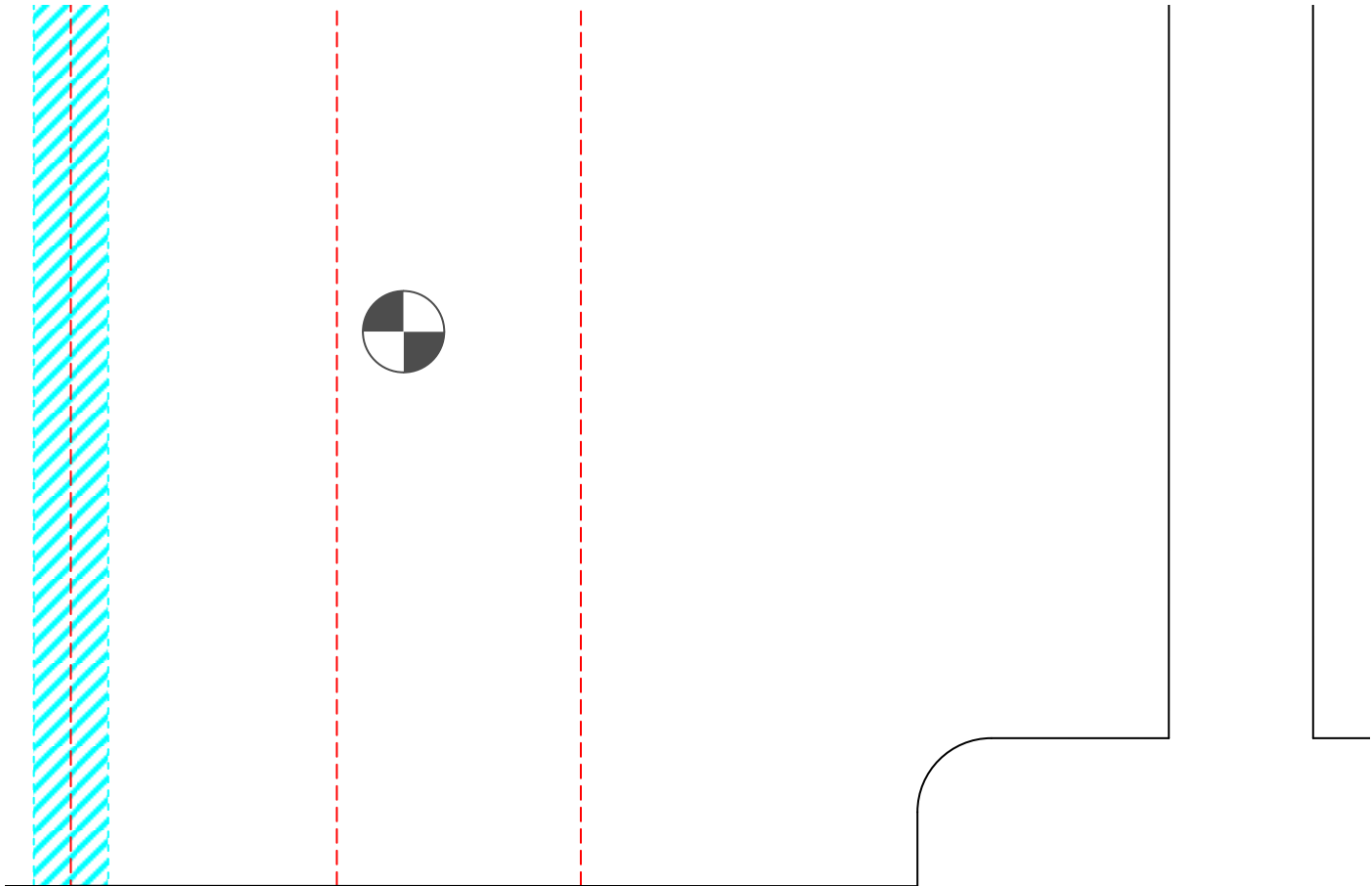
EDF TUBE
FOAM BOARD
AP EAZY DUCTED FAN - V0.2

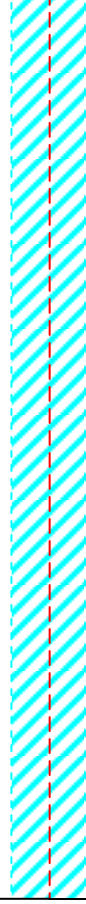
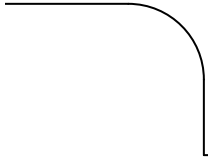
12 LEFT WING
1 FOAM BOARD
AP EAZY DUCTED FAN - V0.2

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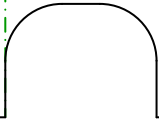
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GLUE PART 15 HERE

11
1 RIGHT WING
FOAM BOARD
AP EAZY DUCTED FAN - V0.2



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