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AP Kwak

... the Mighty Mini Foam Board Mod of the Jupiter Duck

Version 1.0 (2017-01-28)

Drawing by: Tony Roehling

Special thanks to Thomas Buchwald for the Depron Jupiter Duck Design



SPECS

WINGSPAN: 650 mm | 25.59 in
CG: 50 mm | 1.97 in
LENGTH: 590 mm | 23.23 in
DRY WEIGHT: 180 g | 6.35 oz
ALL UP WEIGHT: 315 g | 11.11 oz WITH 3S 850 mAh
EXPO: 35 %
CHANNELS: 3 (THR | ELV | RUD)

ELECTRONICS

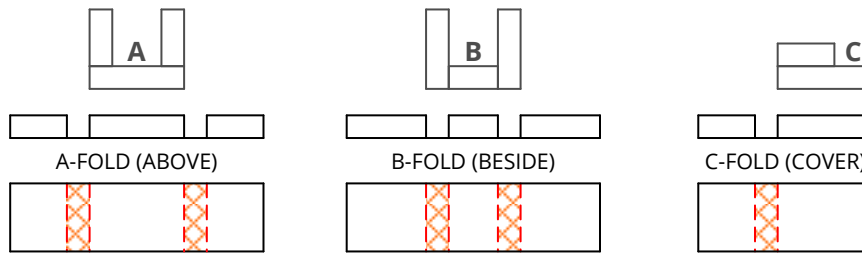
MOTOR: 1 x 2300 kv (2204 or 1806)
PROPELLER: 1 x 6x4
ESC: 1 x 12 A
SERVOS: 2 x 5 g
BATTERY: 850 mAh 3S



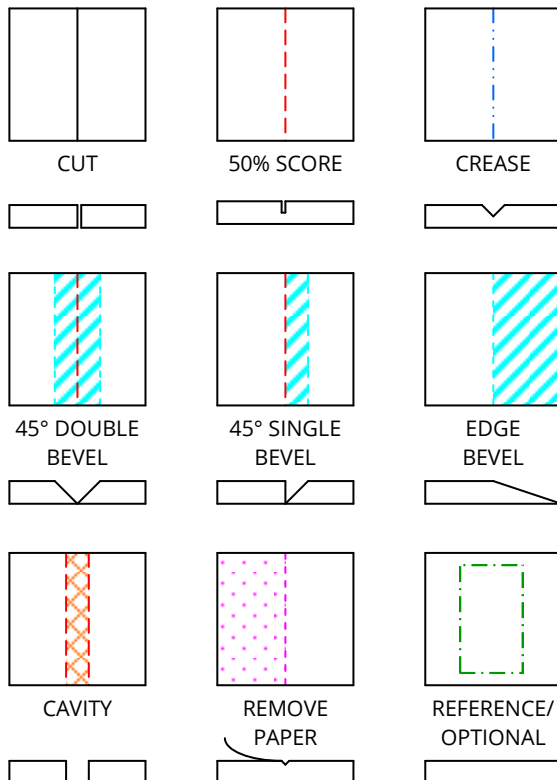
DRAWING KEY

based on the Flite Test Drawing Key, which was created by Dan Sponholz

FOLD TYPES

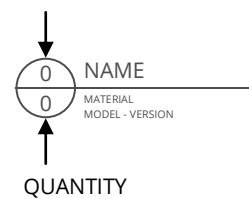


LINE TYPE/COLOR



SYMBOLS

PART NUMBER




DOWEL
HOLE


CENTER
OF
GRAVITY
(CG)

AP Kwak - PARTS LIST

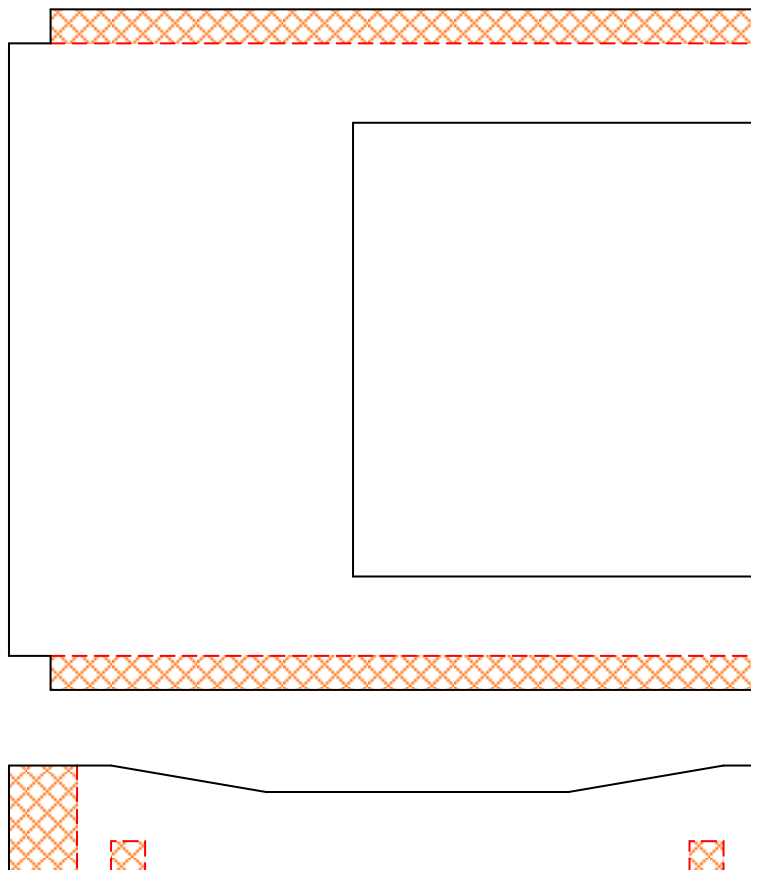
PART NR.	DESCRIPTION	QUANTITY	MATERIAL	SHEET
01	VERTICAL SPACER	1	FOAM BOARD	1
02	BATTERY/ELECTRONICS TRAY	1	FOAM BOARD	1
03	RIGHT SIDE WALL	1	FOAM BOARD	1
04	LEFT SIDE WALL	1	FOAM BOARD	1
05	FRONT SHEETING	1	FOAM BOARD	1
06	HATCH SUPPORT	1	FOAM BOARD	1
07	REAR BOTTOM SHEETING	1	FOAM BOARD	1
08	REAR TOP SHEETING	1	FOAM BOARD	1
09	HORIZONTAL STABILIZER	1	FOAM BOARD	1
10	VERTICAL STABILIZER	1	FOAM BOARD	1
11	HORIZONTAL STABILIZER SUPPORT	2	BBQ SKEWER	1
12	CONTROL HORN (ELEVATOR & RUDDER)	2	PLASTIC CARD	1
13	FRONT WINDSHIELD	1	FOAM BOARD	1
14	FRONT WINDSHIELD HOLDER	2	FOAM BOARD	1
15	FRONT WINDSHIELD PIN	1	BBQ SKEWER	1
16	REAR WINDSHIELD	1	FOAM BOARD	1
17	WING	1	FOAM BOARD	2
18	WING SPAR	1	FOAM BOARD	2
19	POWER POD NACELLE	1	FOAM BOARD	2
20	POWER POD PIN	2	BBQ SKEWER	2
21	PONTOON	2	FOAM BOARD	2
22	RIGHT PONTOON PYLON	1	FOAM BOARD	2
23	LEFT PONTOON PYLON	1	FOAM BOARD	2
24	PONTOON PYLON SUPPORT	2	BBQ SKEWER	2
25	MINI POWER POD	1	FOAM BOARD	1
26	FIREWALL	1	PLYWOOD max. 5mm	1
27	THROW GAGE	1	FOAM BOARD	1
	OTHER MATERIALS			
	STEEL WIRE (Ø 1mm) FOR THE LINKAGE RODS			
	VELCRO TO MOUNT THE BATTERY, ESC, ...			

Build the Kwak in the order of the part numbers!

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05 FRONT SHEETING
1 FOAM BOARD
AP KWAK - VERSION 1.0





07 REAR BOTTOM
1 FOAM BOARD
AP KWAK - VERSION 1.0



in

cm

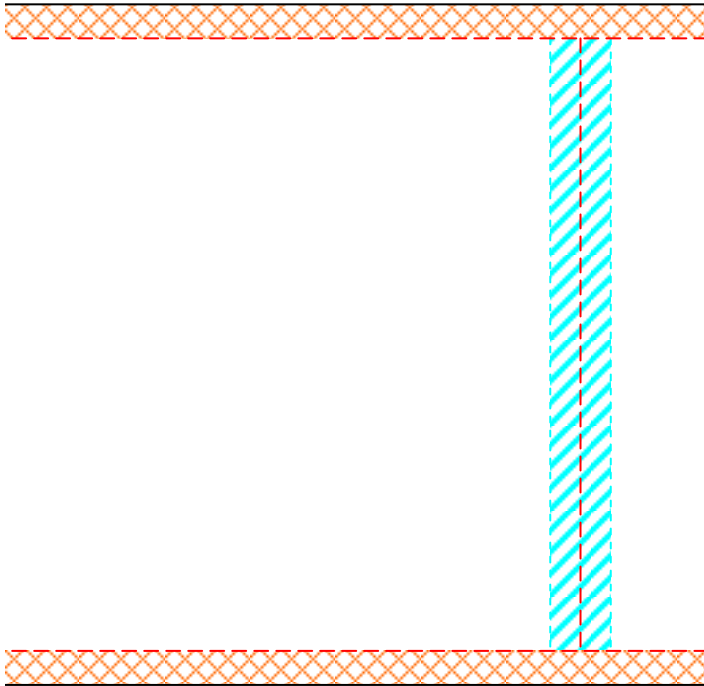


1 SHEETING



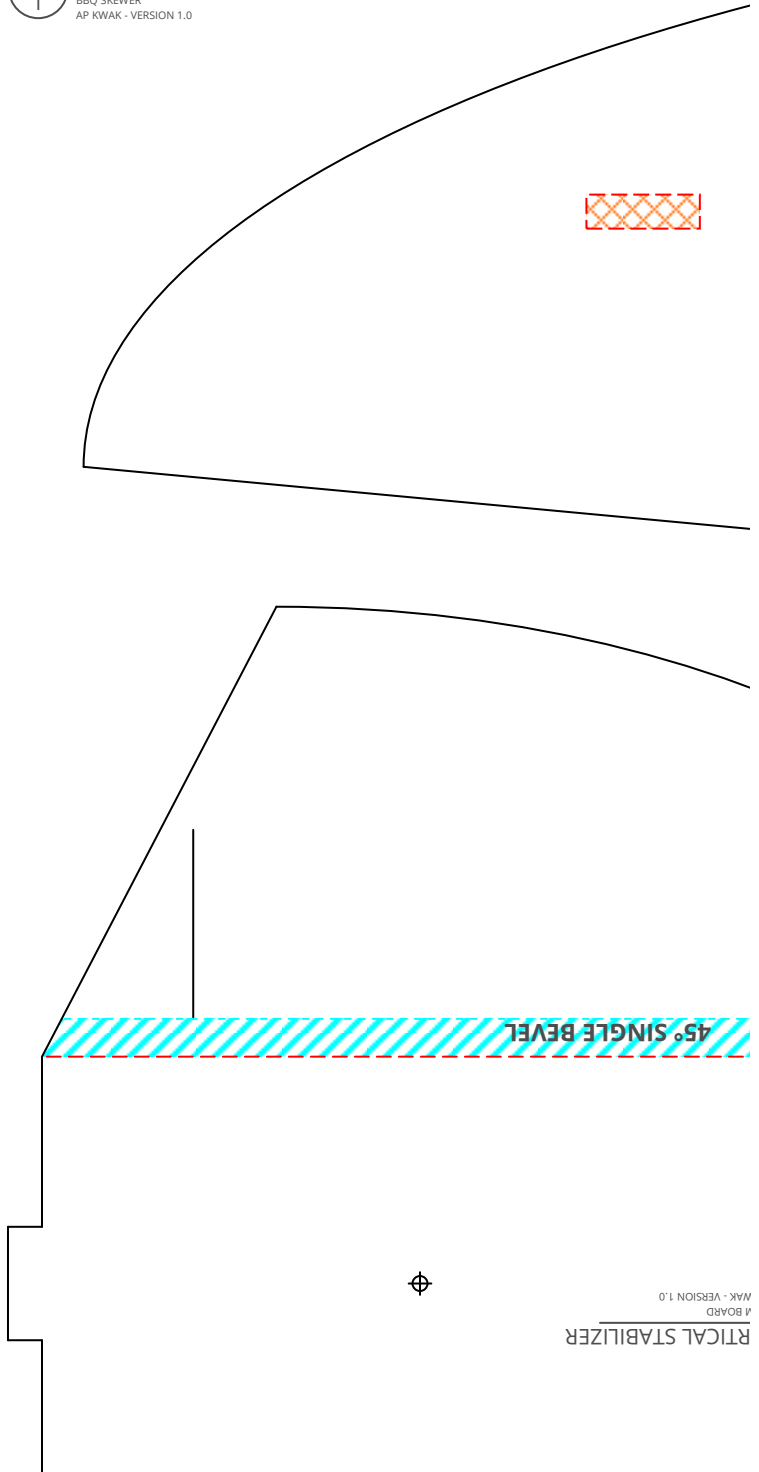


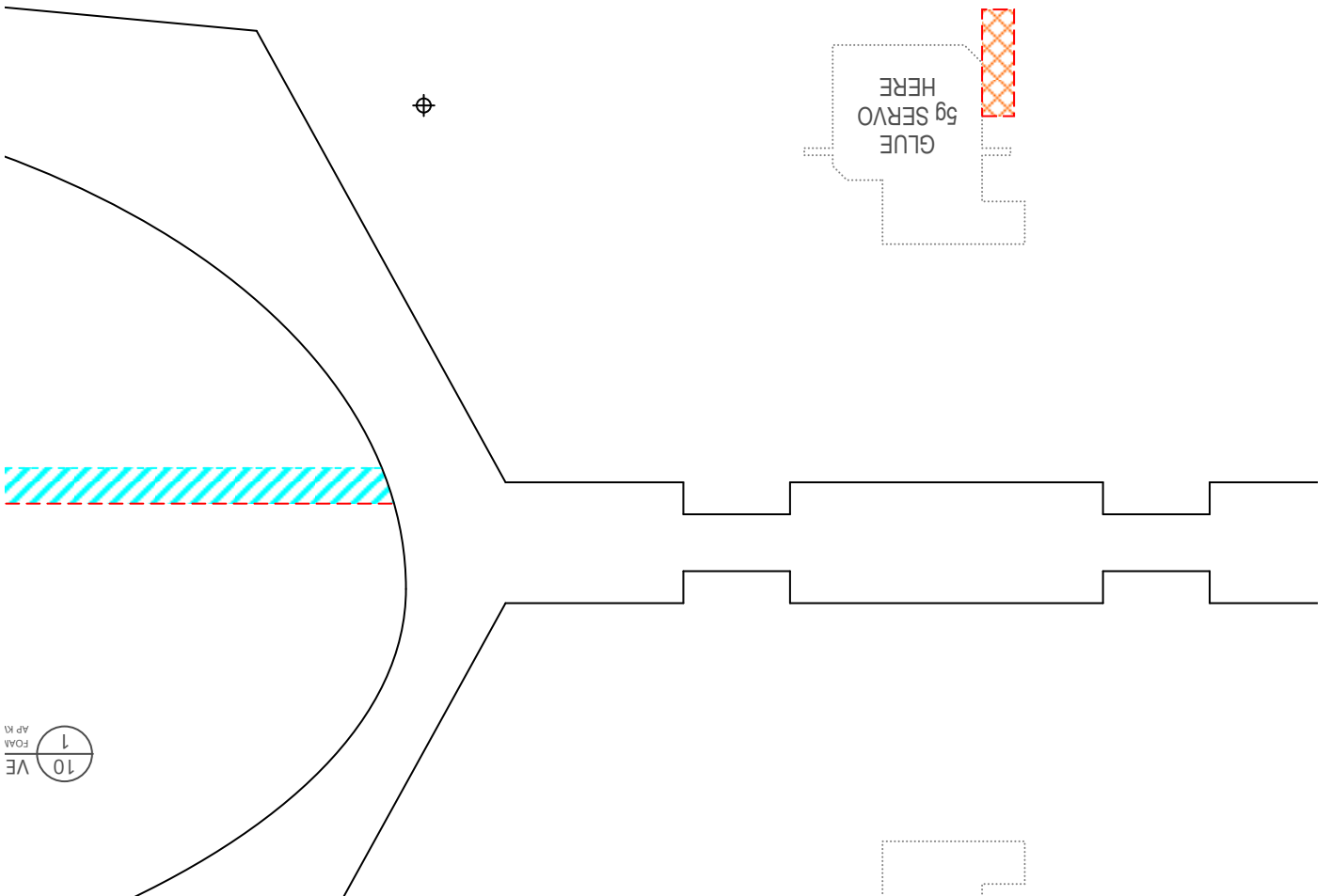
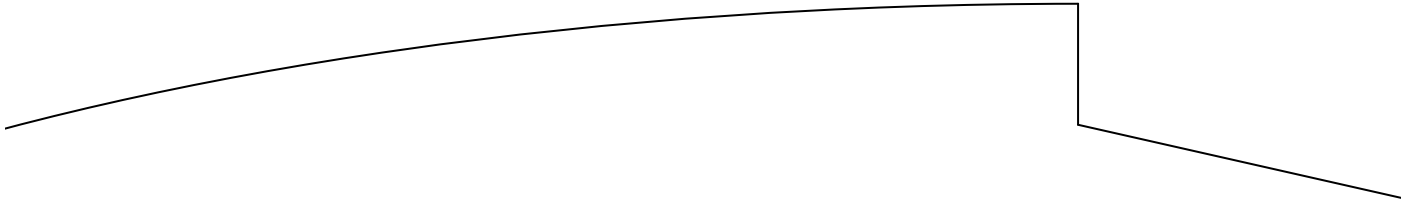
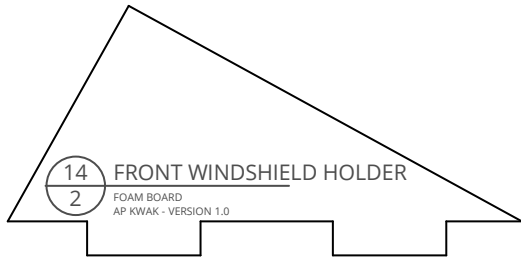
SHEET 1 OF 2

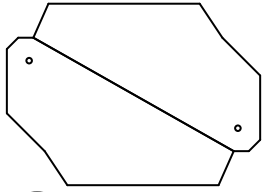




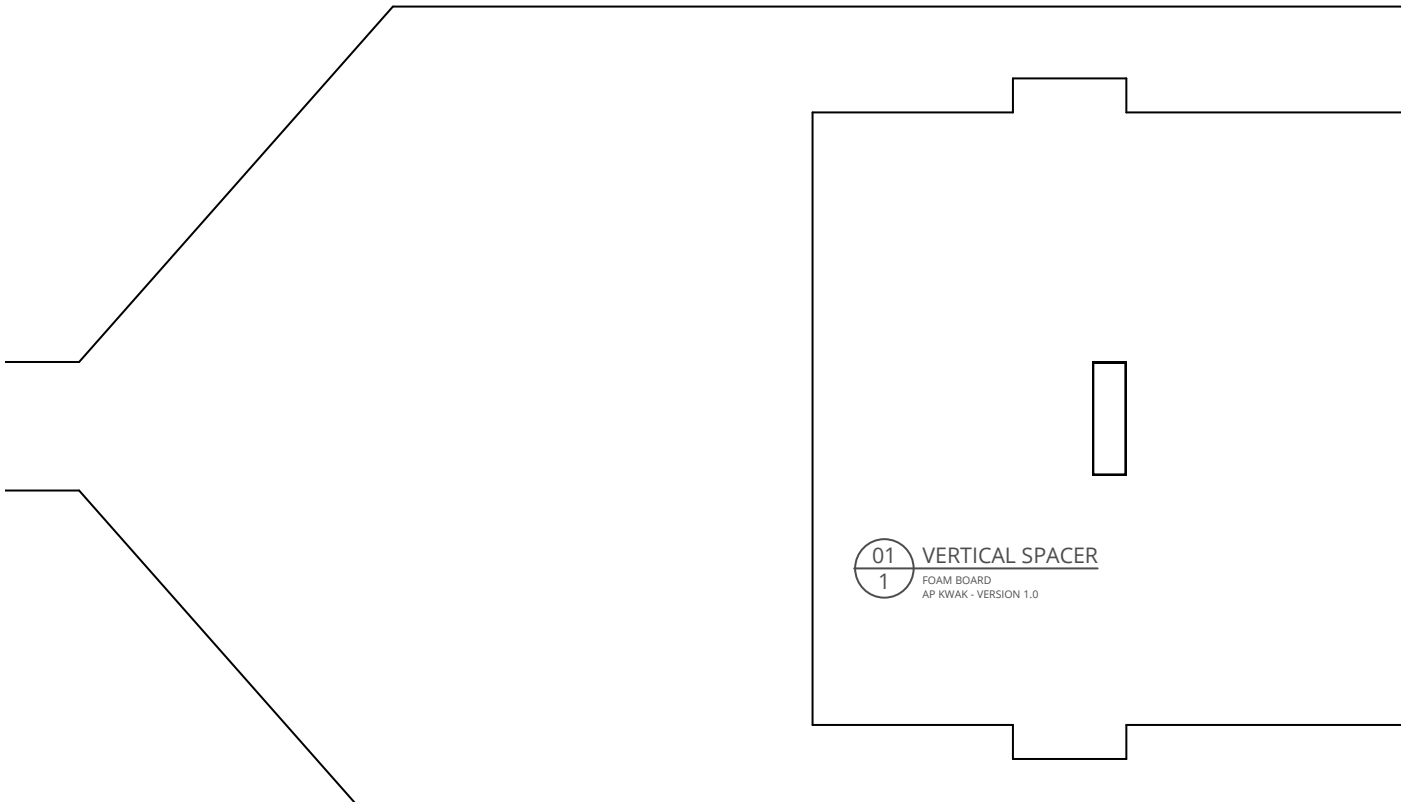
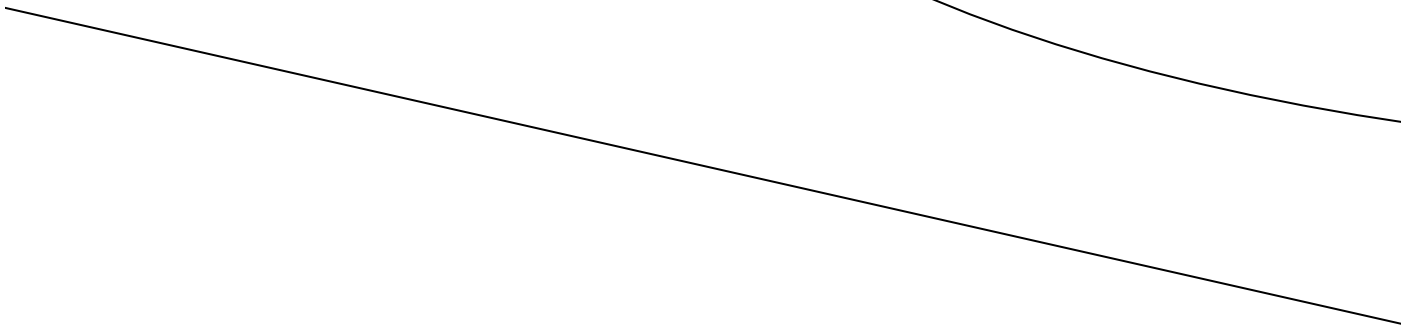
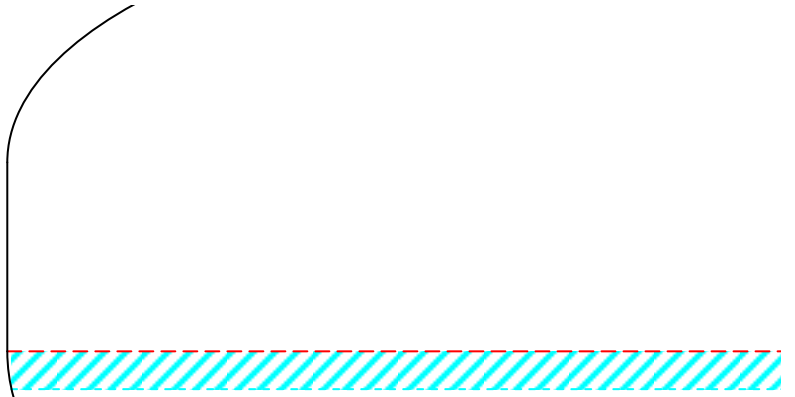
15 FRONT WINDSHIELD PIN
BBQ SKEWER
AP KWAK - VERSION 1.0



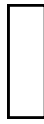




12 CONTROL HORN
2 PLASTIC CARD
AP KWAK - VERSION 1.0



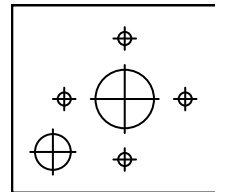
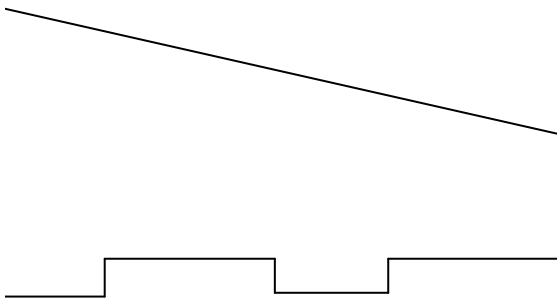
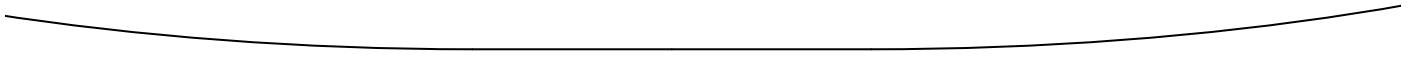
01 VERTICAL SPACER
1 FOAM BOARD
AP KWAK - VERSION 1.0



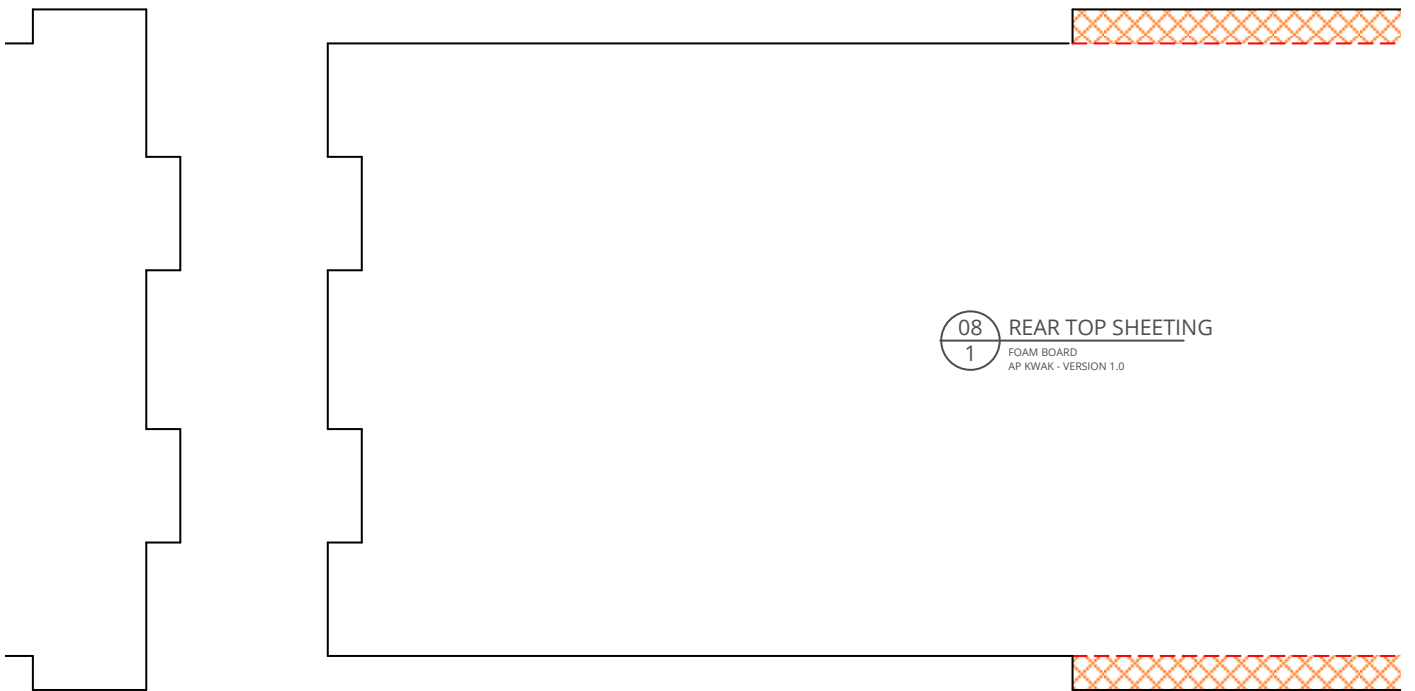
09 HORIZONTAL STABILIZATION
1 FOAM BOARD
AP KWAK - VERSION 1.0



45° SINGLE BEVEL



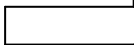
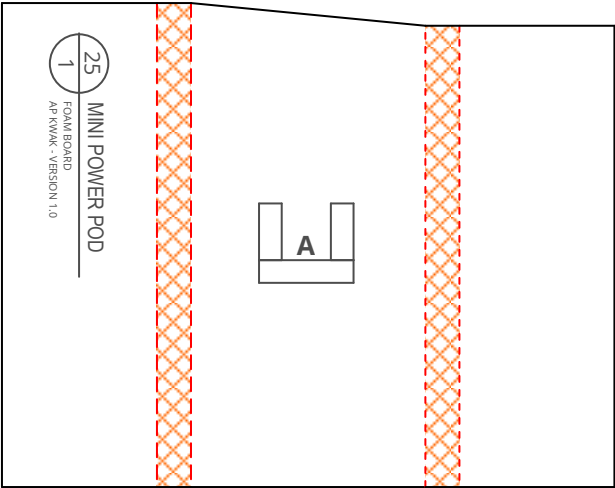
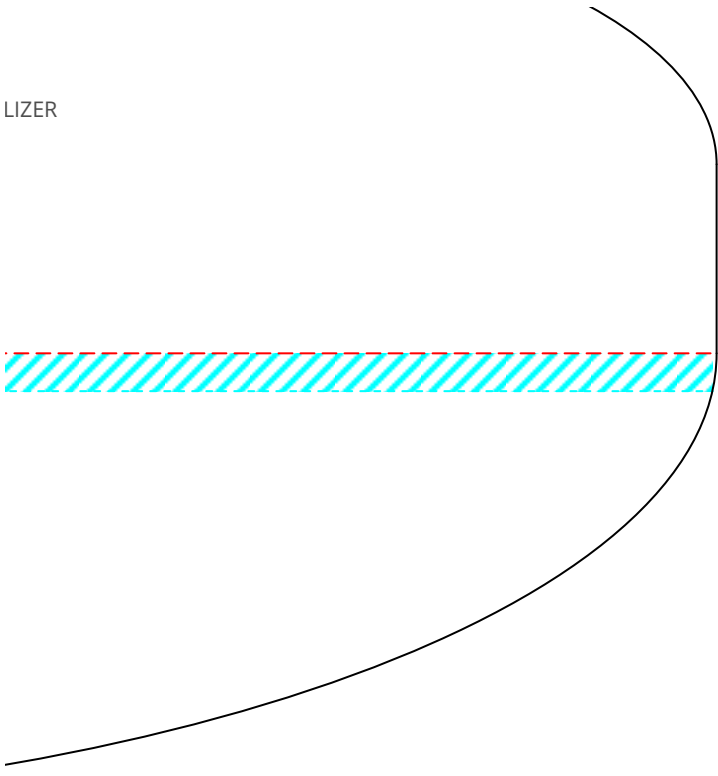
26 FIREWALL
1 PLYWOOD max. 5mm | 0.15
AP KWAK - VERSION 1.0

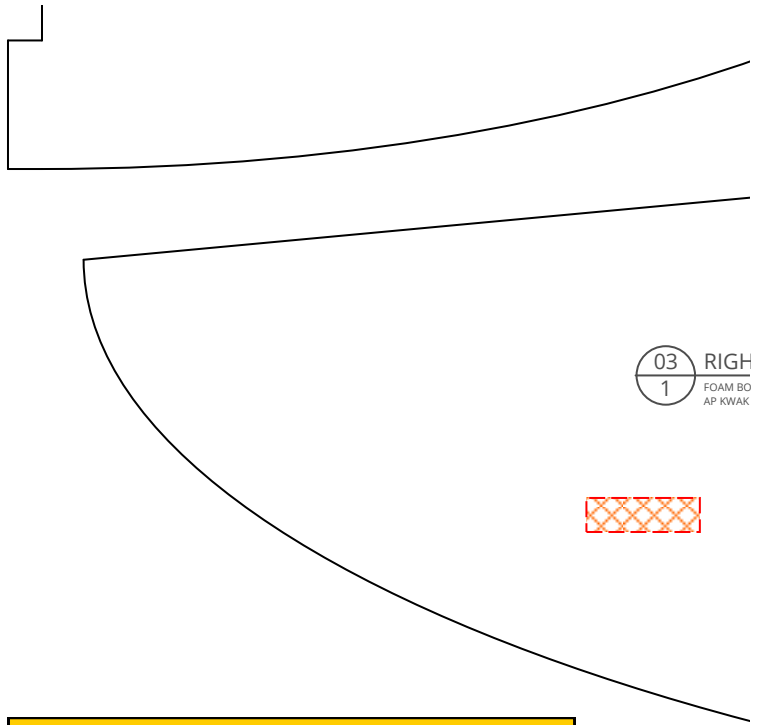


08 REAR TOP SHEETING
1 FOAM BOARD
AP KWAK - VERSION 1.0



LIZER





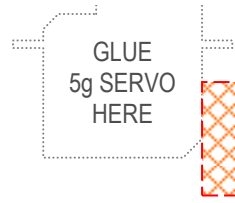
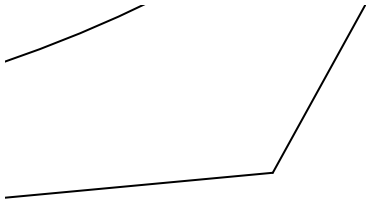
03 RIGH
1 FOAM BO
AP KWAK



11 HORIZONTAL STABILIZER SUPPORT
2 BBQ SKEWER
AP KWAK - VERSION 1.0

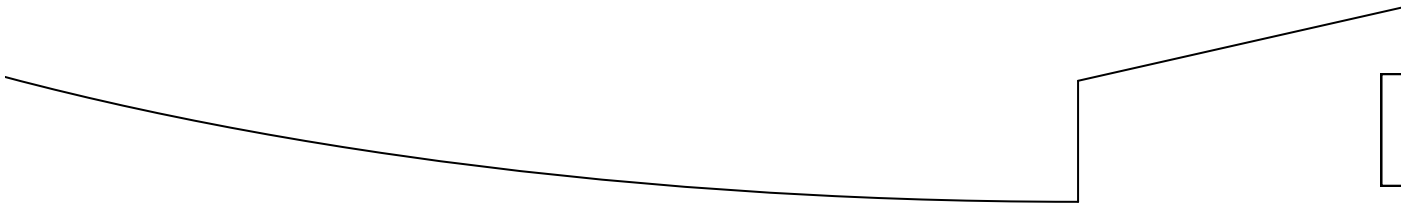


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IT SIDE WALL

ARD
- VERSION 1.0

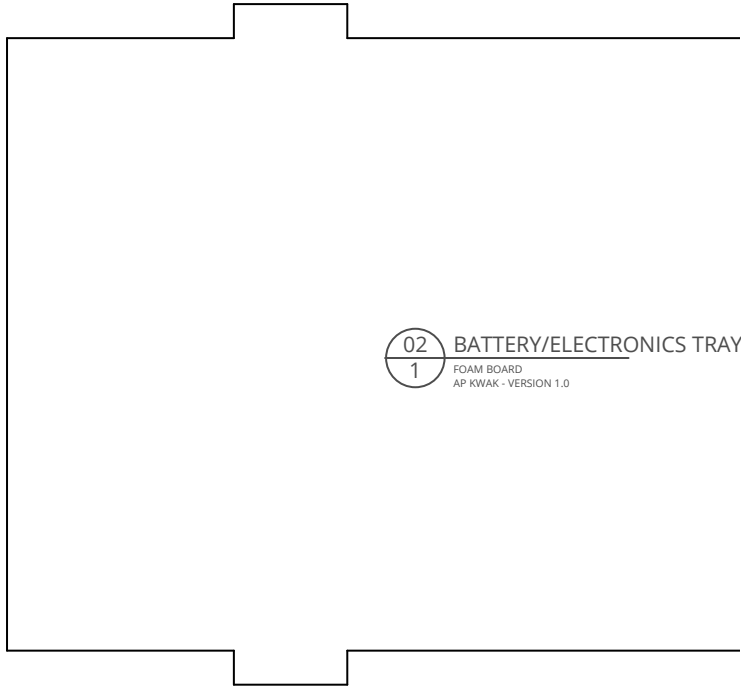
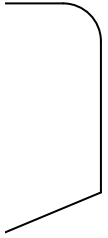
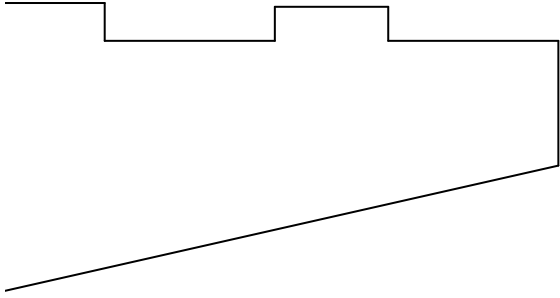


06 HATCH SUPPORT
1 FOAM BOARD
AP KWAK - VERSION 1.0

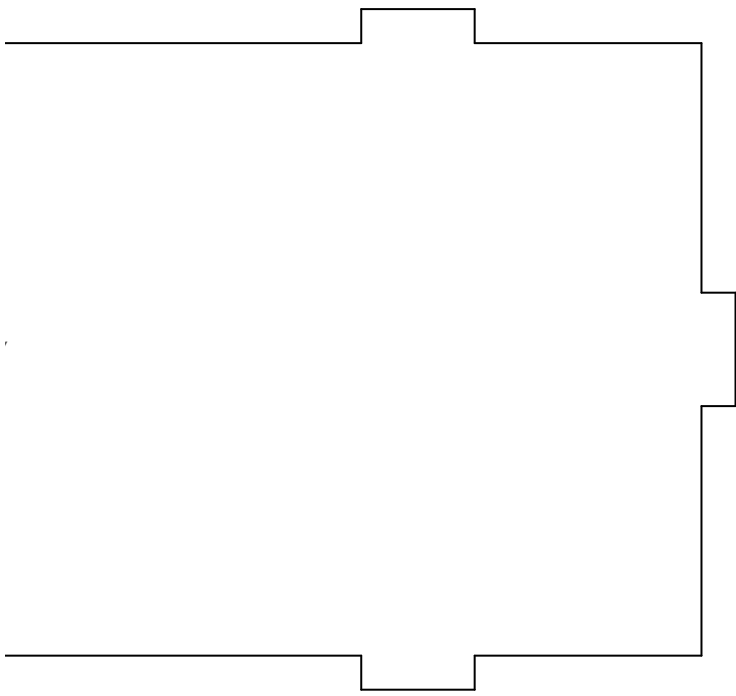
27 THROW GAGE
1 FOAM BOARD
AP KWAK - VERSION 1.0

ELEVATOR

RUDDER



02 BATTERY/ELECTRONICS TRAY
1 FOAM BOARD
AP KWAK - VERSION 1.0

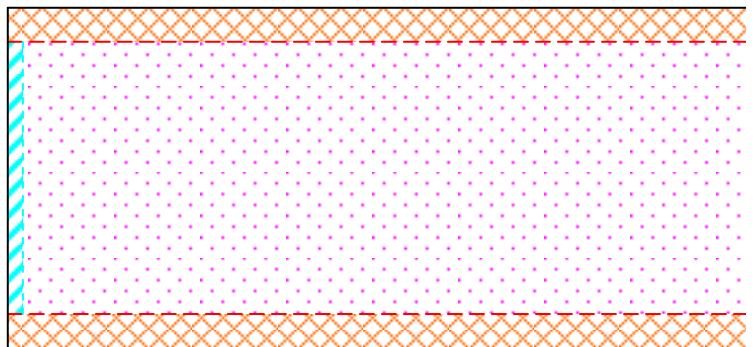


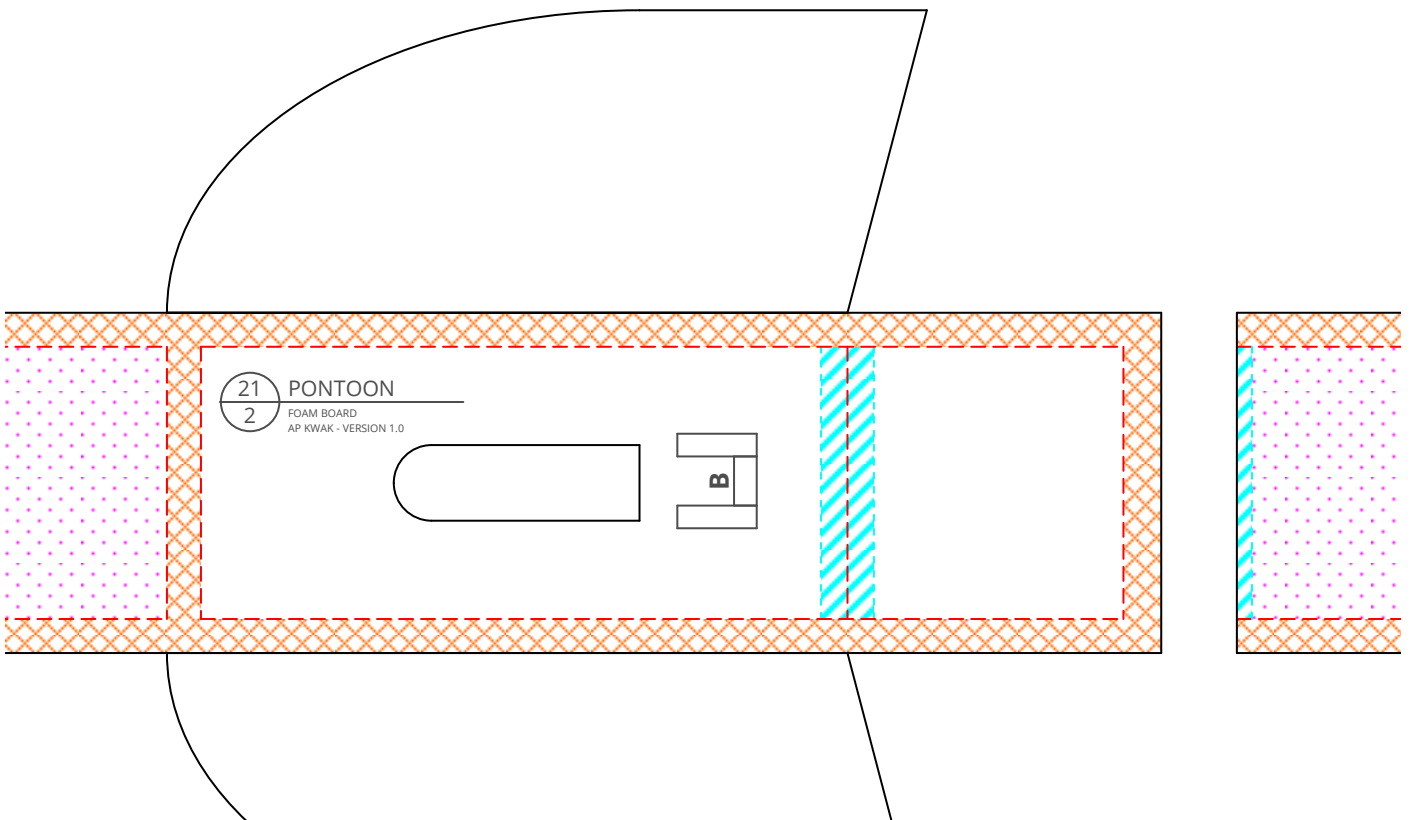
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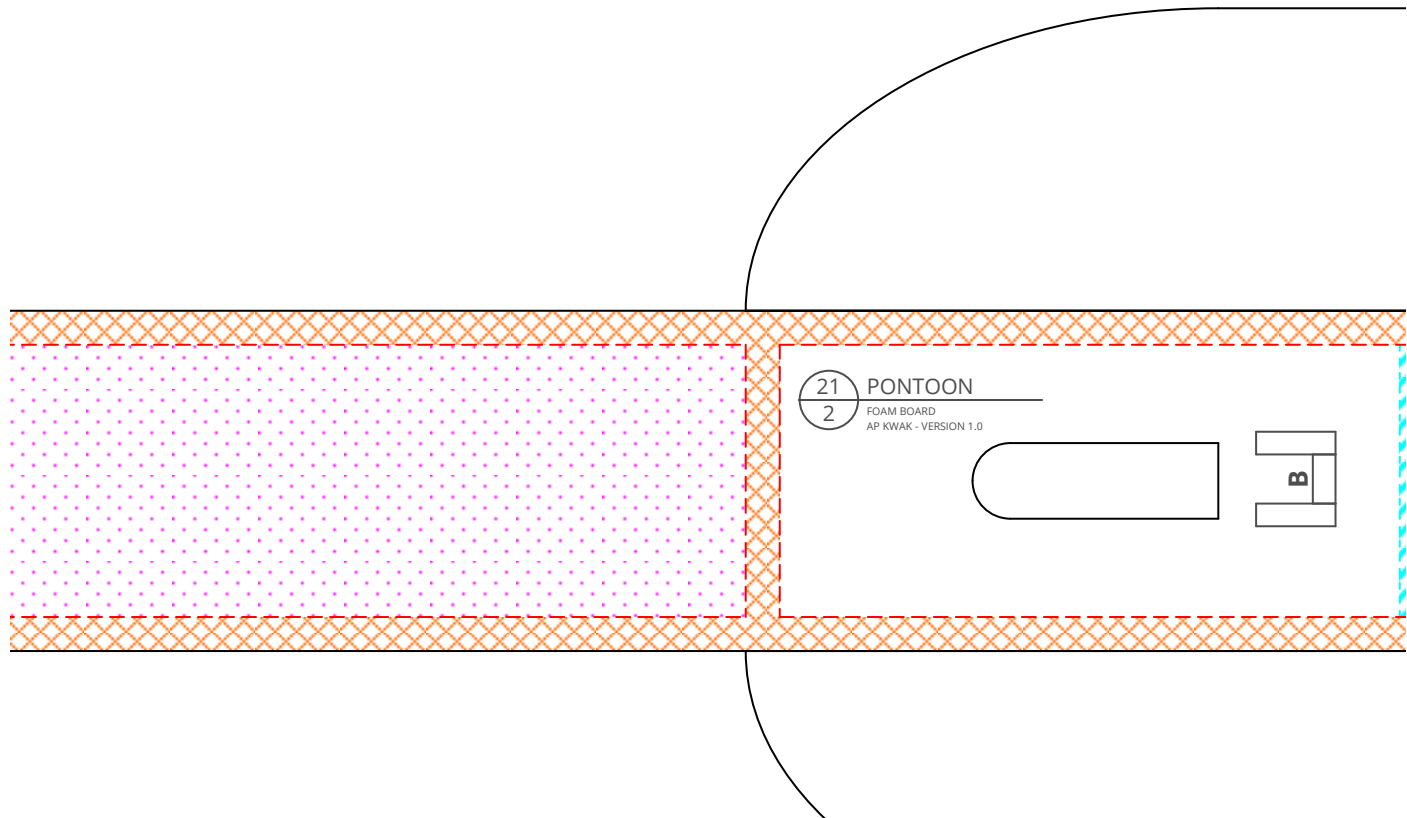
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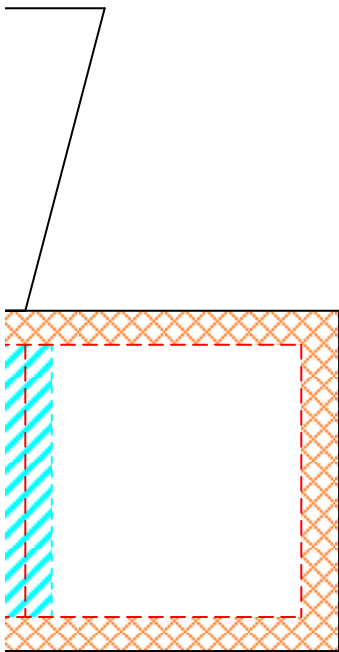
Drawing by: Tony Roehling







in 
cm 



24 PONTOON PYLON SUPPORT
2 FOAM BOARD
AP KWAK - VERSION 1.0



20 POWER POD PIN
2 BBQ SKEWER
AP KWAK - VERSION 1.0





SHEET 2 OF 2

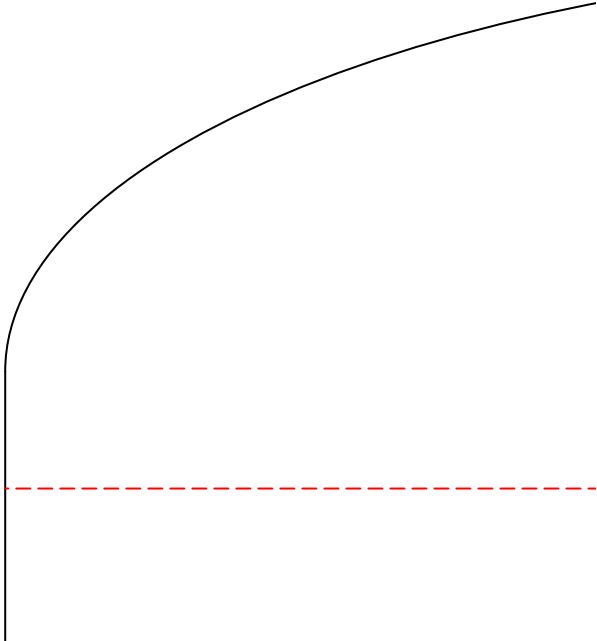


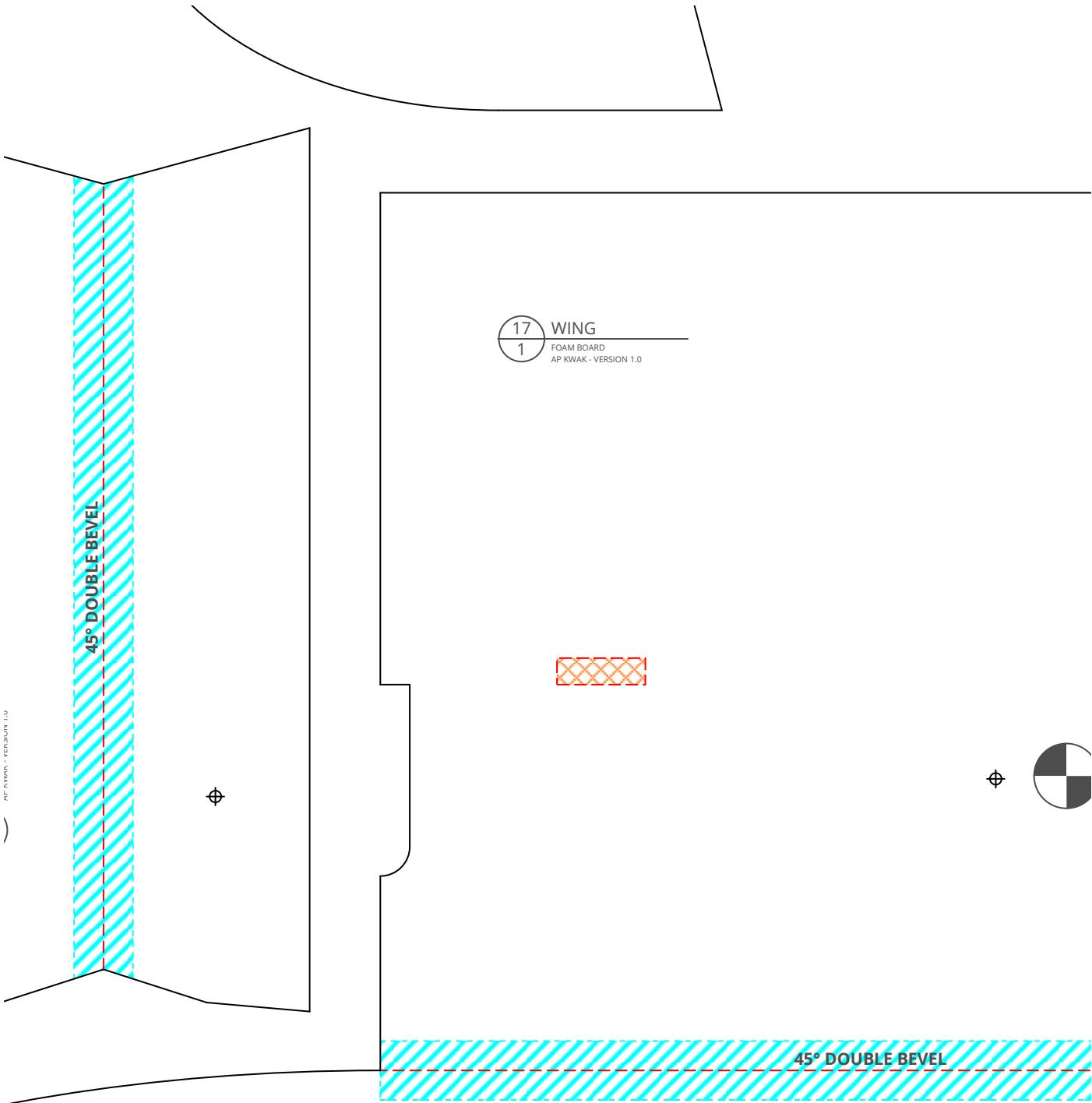


45° DOUBLE BEVEL

22 RIGHT PONTOON PYLON
FOAM BOARD
AP WAK - VERSION 1.0

23 LEFT PONTOON PYLON
FOAM BOARD
AP WAK - VERSION 1.0



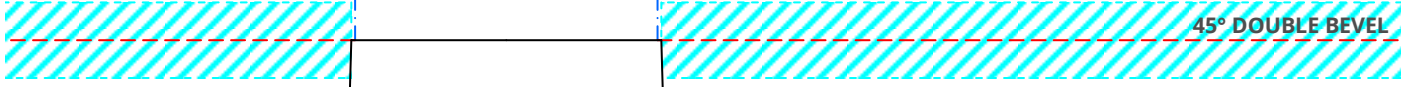
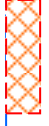
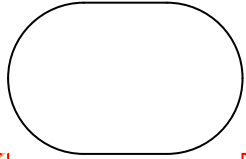
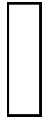
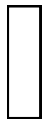
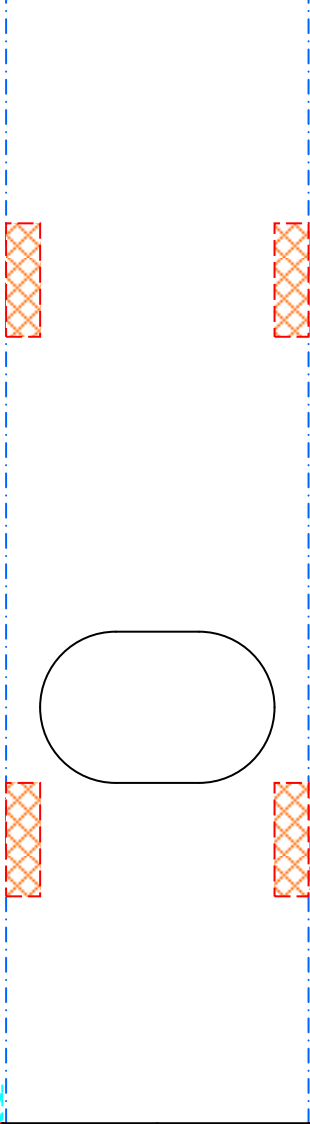


17 WING
1 FOAM BOARD
AP KWAK - VERSION 1.0

45° DOUBLE BEVEL

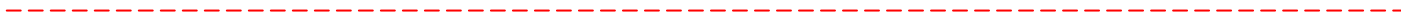
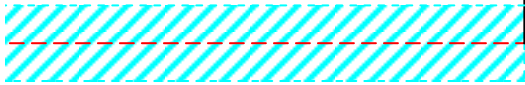
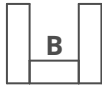
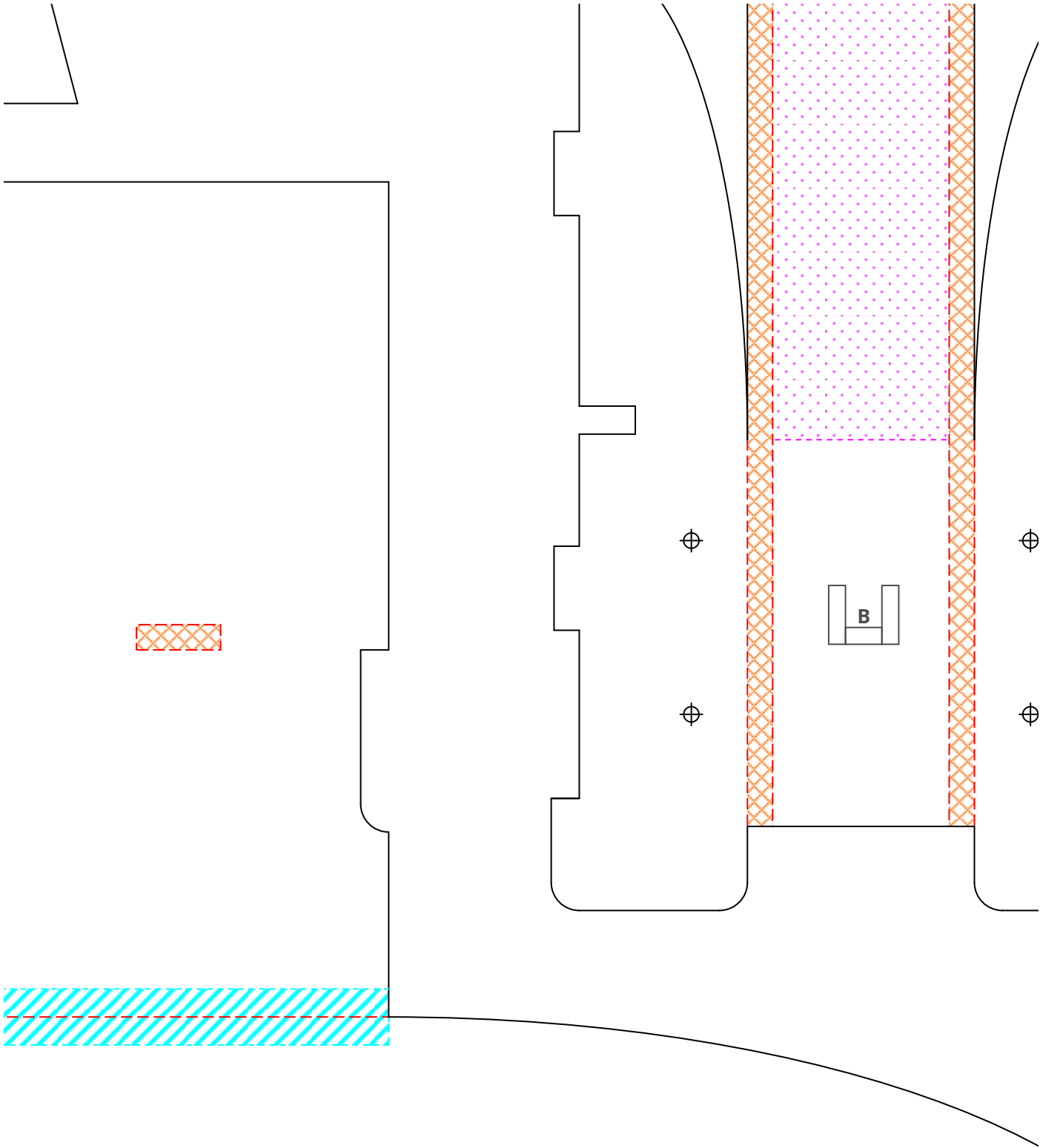
45° DOUBLE BEVEL

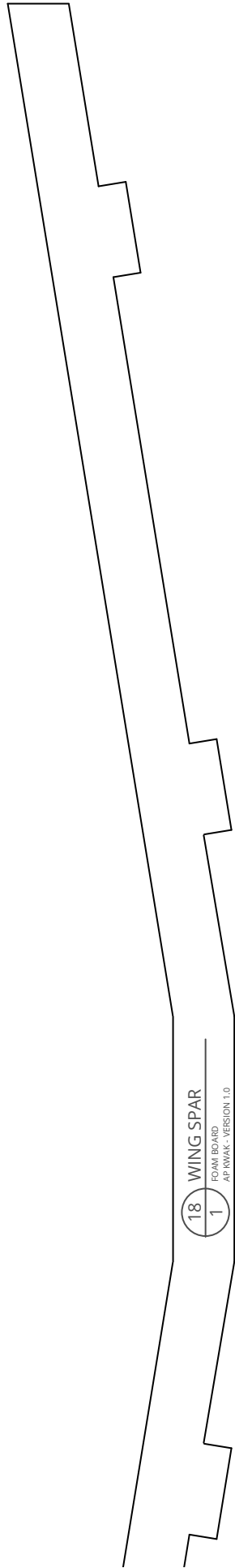
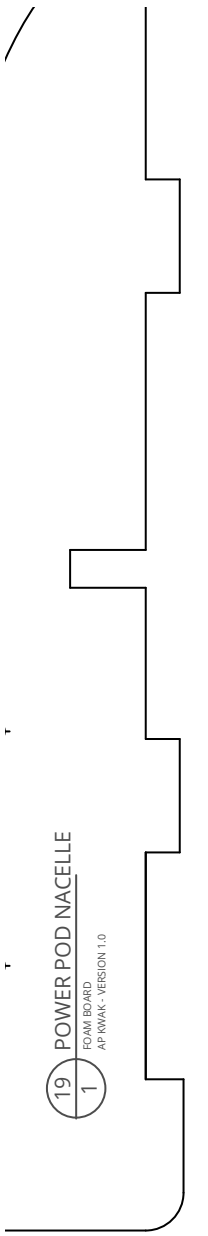




45° DOUBLE BEVEL

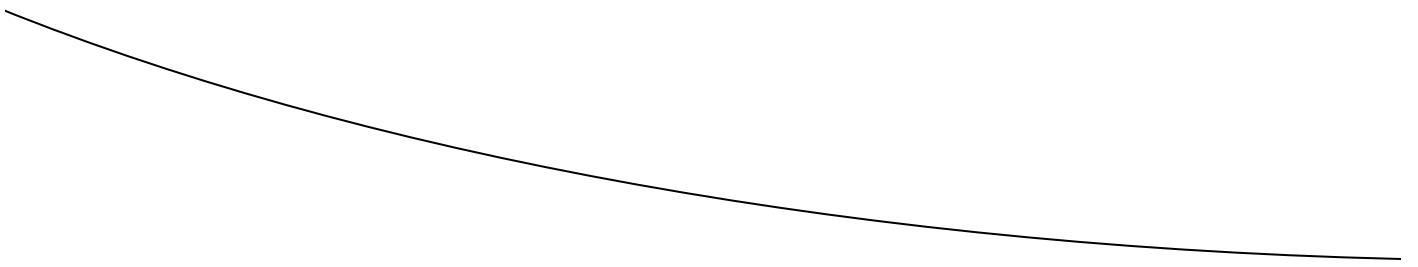


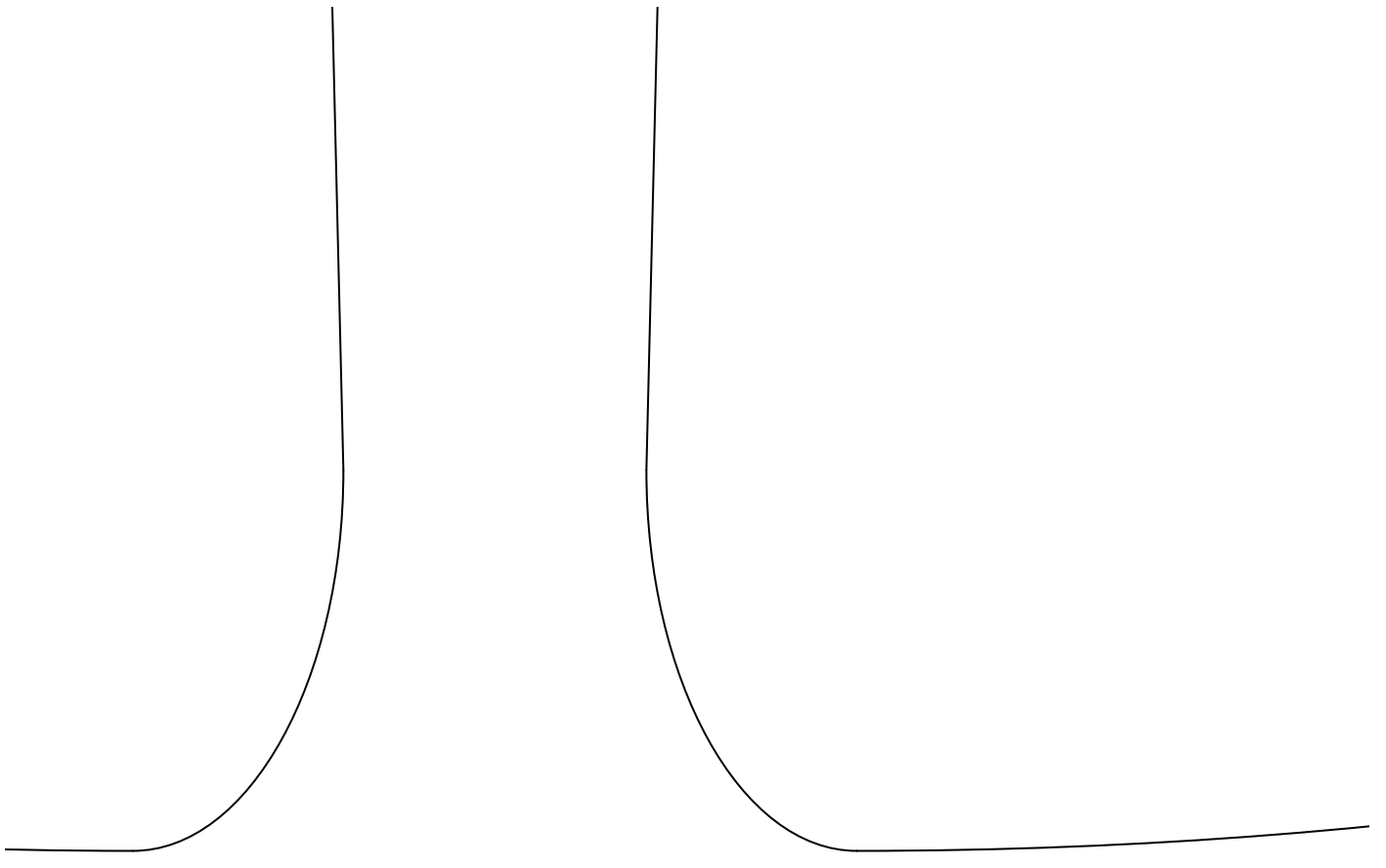


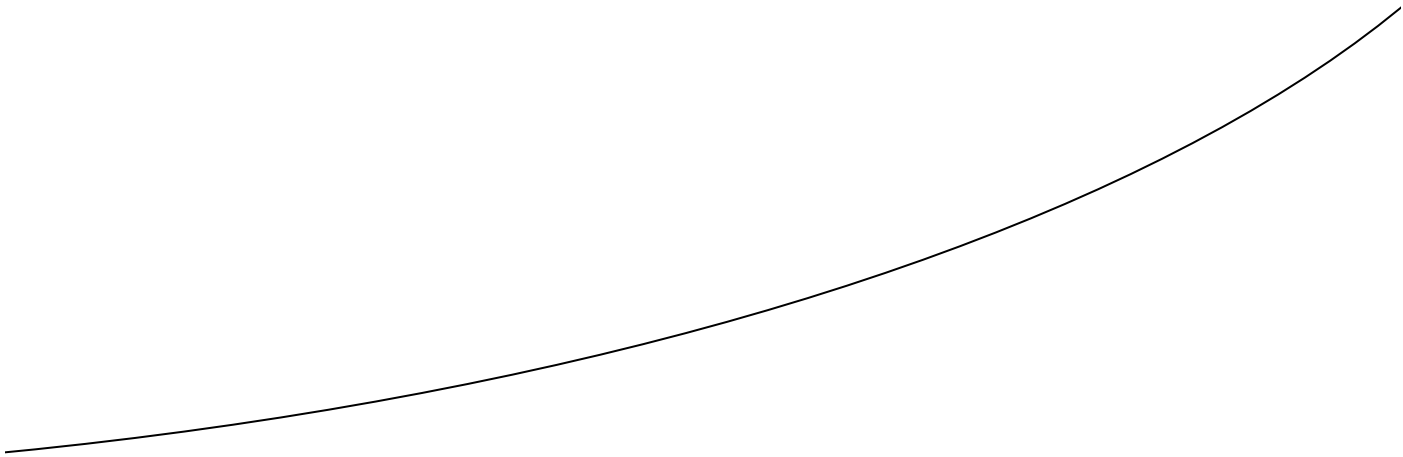




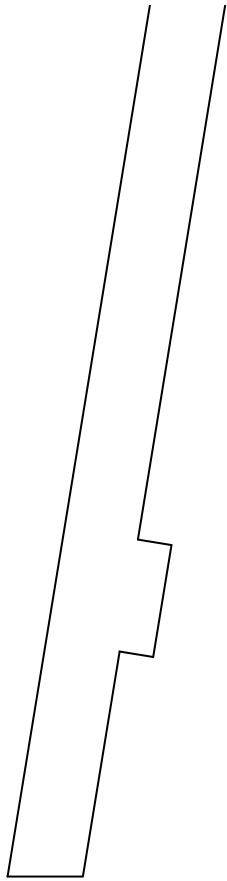
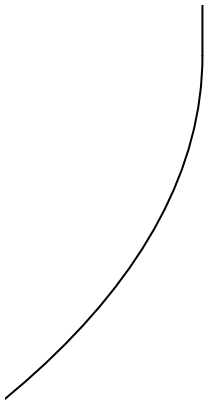
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