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AP Kwak-Kwak

... the fast Mighty Mini Duck

Version 1.1 (2017-04-04)

Drawing by: Tony Roehling

The Kwak-Kwak is based on the Depron Jupiter Duck by Thomas Buchwald.



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: 350 g | 12.35 oz WITH 3S 850 mAh
EXPO: 35 %
CHANNELS: 3 (THR | ELV | RUD)

ELECTRONICS

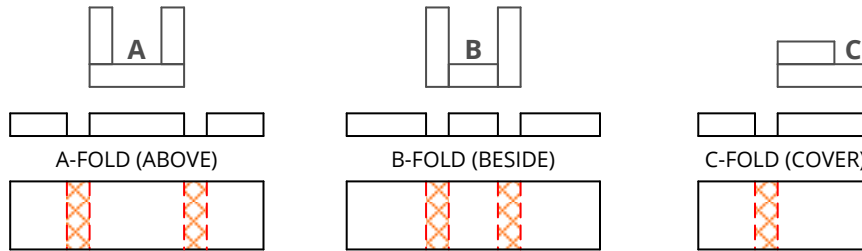
MOTOR: 2 x 2300 kv (1806 or 2204)
PROPELLER: 2 x 5x4.5 3 blade prop



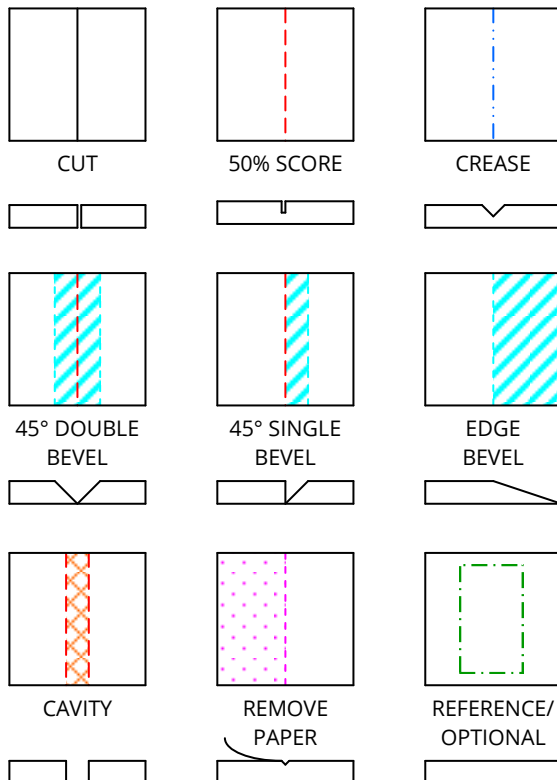
DRAWING KEY

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

FOLD TYPES

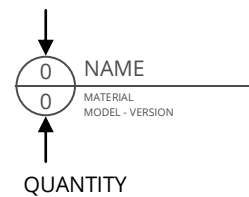


LINE TYPE/COLOR



SYMBOLS

PART NUMBER




DOWEL
HOLE


CENTER
OF
GRAVITY
(CG)

AP Kwak-Kwak - PARTS LIST

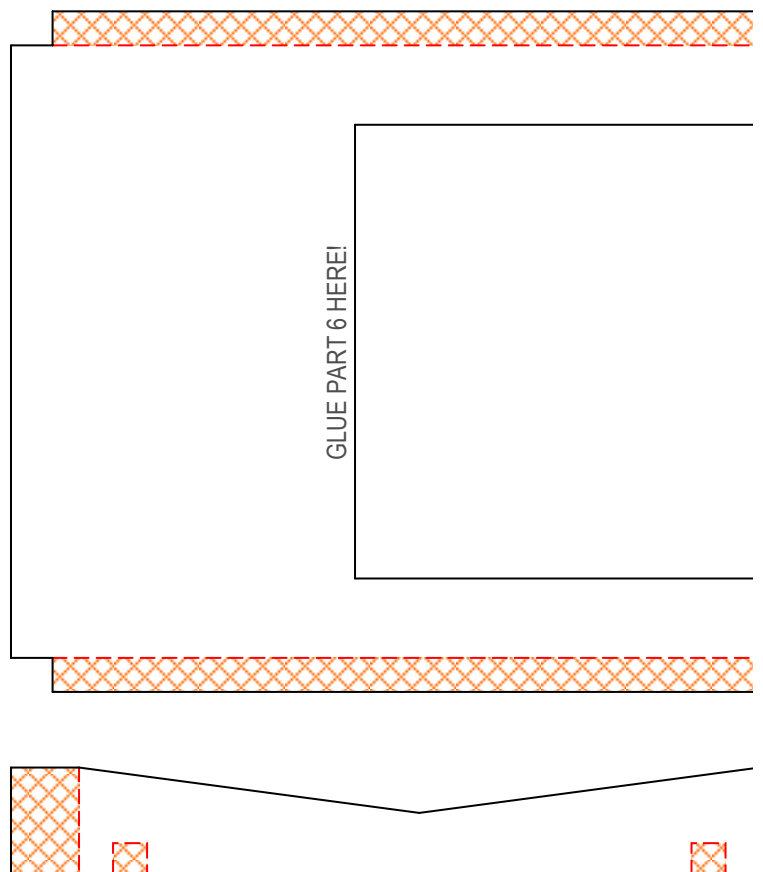
PART NR.	DESCRIPTION	QUANTITY	MATERIAL	SHEET
01	VERTICAL SPACER	1	FOAM BOARD	1
02	BATTERY/ELECTRONICS TRAY	1	FOAM BOARD	1
03	RIGHT SIDE WALL	1	FOAM BOARD	1
04	LEFT SIDE WALL	1	FOAM BOARD	1
05	FRONT SHEETING	1	FOAM BOARD	1
06	HATCH SUPPORT	1	FOAM BOARD	1
07	REAR BOTTOM SHEETING	1	FOAM BOARD	1
08	REAR 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	2	FOAM BOARD	2
19	POWER POD NACELLE	2	FOAM BOARD	2
20	POWER POD PIN	4	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	SIDE PONTOON PYLON SUPPORT	2	BBQ SKEWER	2
25	REAR PONTOON PYLON SUPPORT	2	BBQ SKEWER	2
26	MINI POWER POD	2	FOAM BOARD	1
27	FIREWALL	2	PLYWOOD max. 5mm	1
G1	DIEHEDRAL GAUGE	1	FOAM BOARD	2
G2	THROW GAUGE	1	FOAM BOARD	1
	OTHER MATERIALS			
	STEEL WIRE (Ø 1mm) FOR THE LINKAGE RODS			
	VELCRO TO MOUNT THE BATTERY, ESC, ...			

Build the Kwak-Kwak in the order of the part numbers!

AP Kwak-Kwak

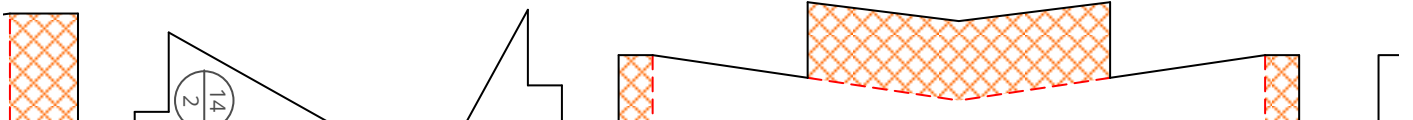
... the fast Mighty Mini Duck

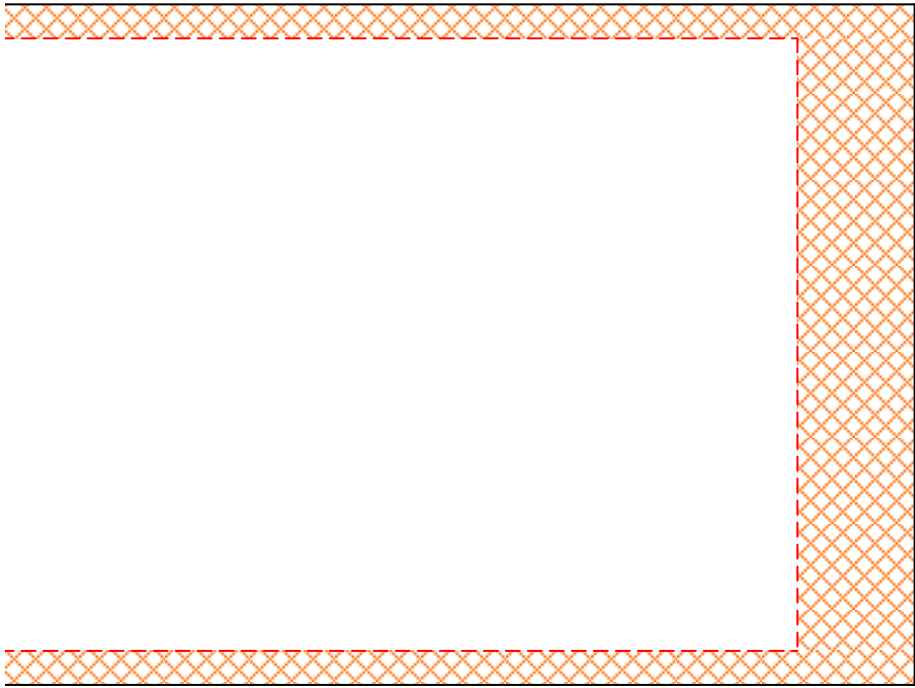
Drawing by: Tony Roehling





05 FRONT SHEETING
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1





07 REAR BOTTOM
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1

in
cm

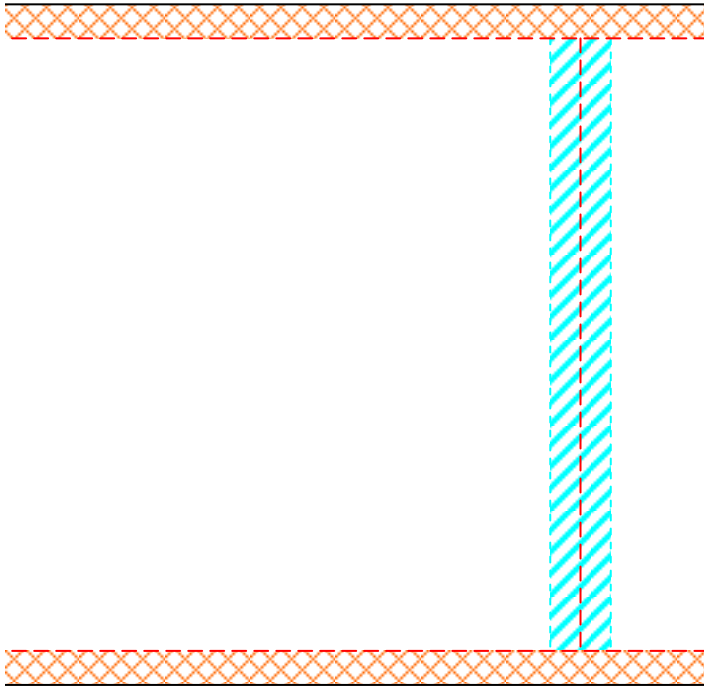
1 SHEETING

.1





SHEET 1 OF 2

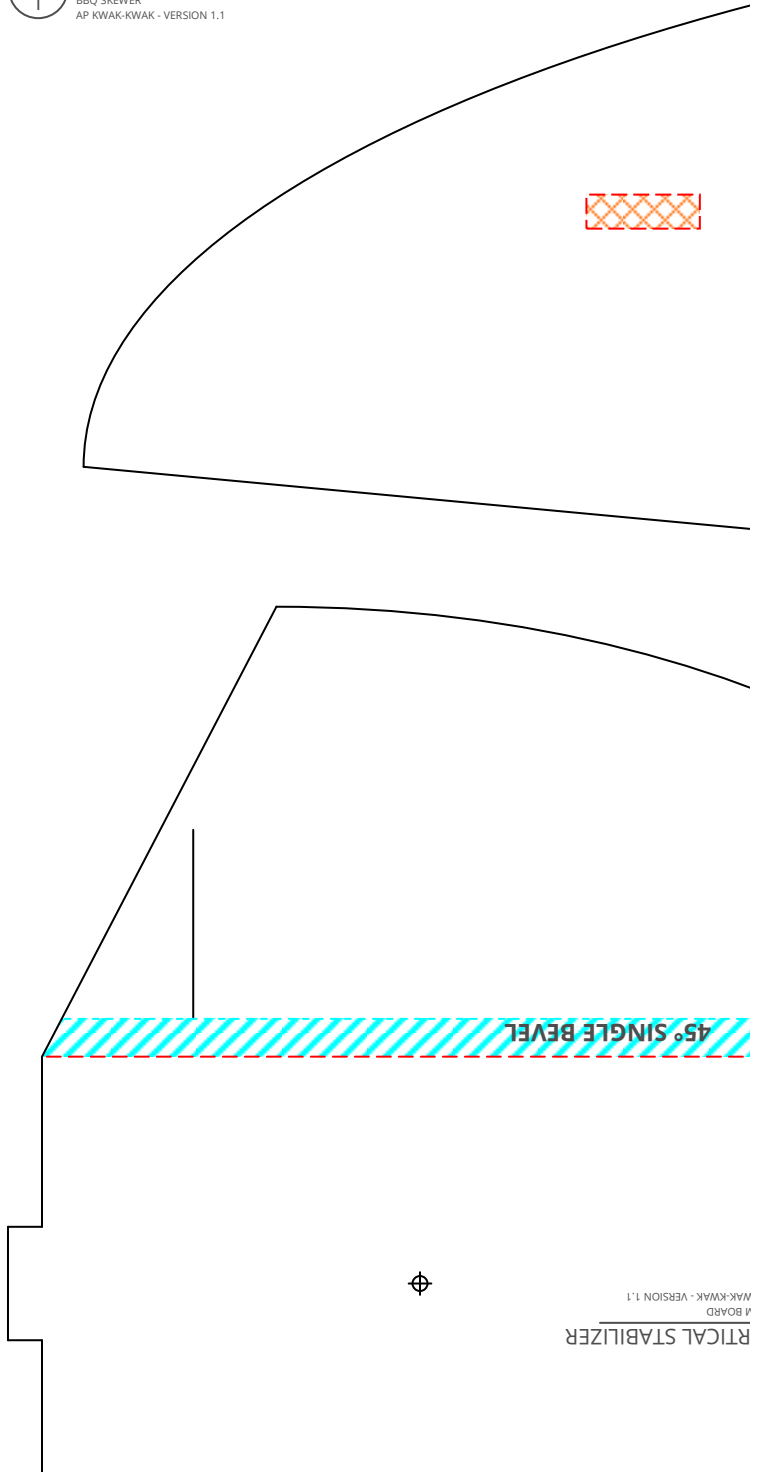




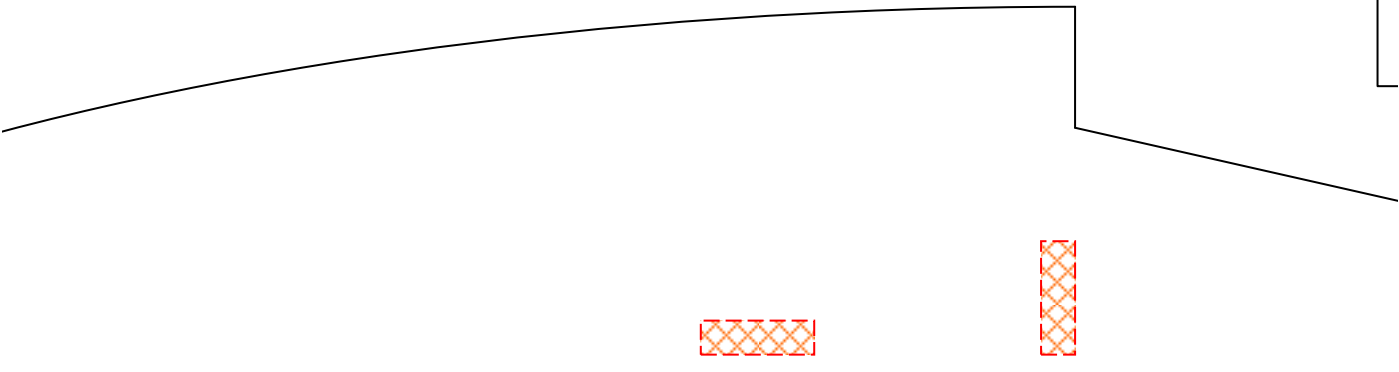
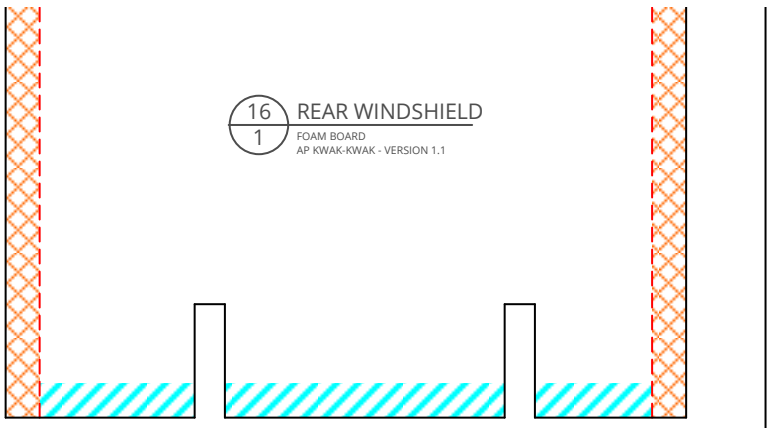
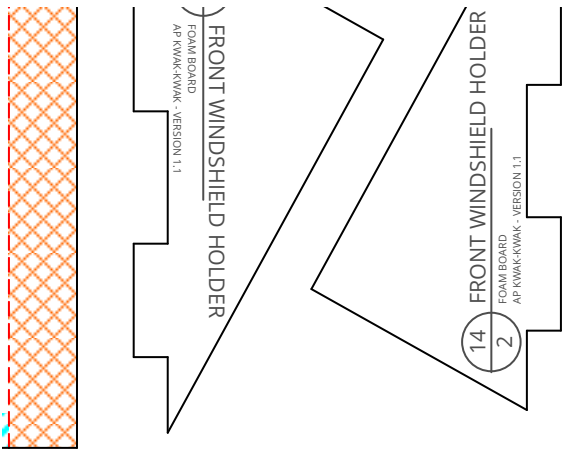
13 FRONT WINDSHIELD
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



15 FRONT WINDSHIELD PIN
1 BBQ SKEWER
AP KWAK-KWAK - VERSION 1.1

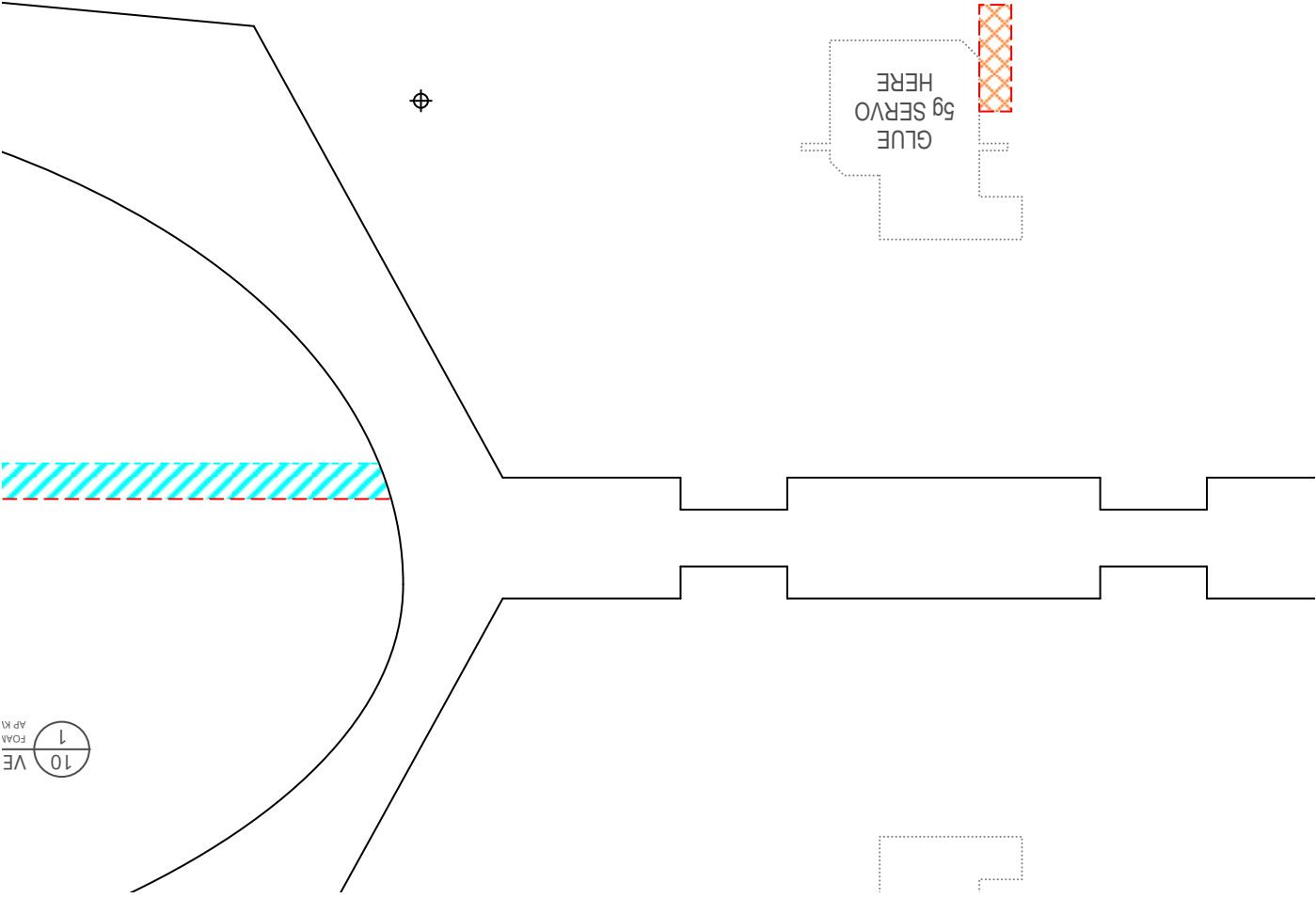


RTICAL STABILIZER
1 BOARD
AP KWAK-KWAK - VERSION 1.1

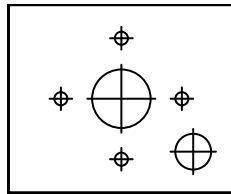


04
1

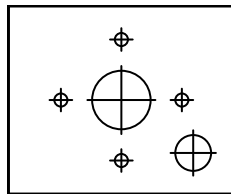
LEFT SIDE WALL
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



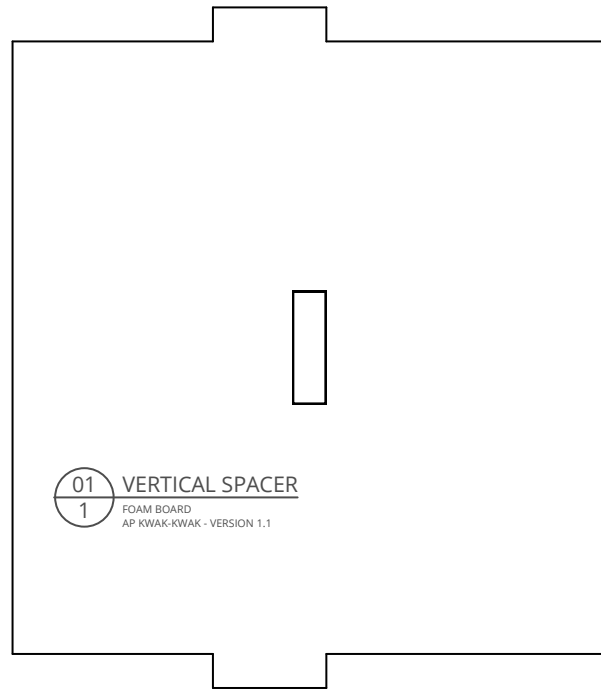
06 HATCH SUPPORT
1
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



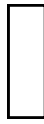
27 FIREWALL
2
PLYWOOD max. 5mm | 0.19in
AP KWAK-KWAK - VERSION 1.1



27 FIREWALL
2
PLYWOOD max. 5mm | 0.19in
AP KWAK-KWAK - VERSION 1.1



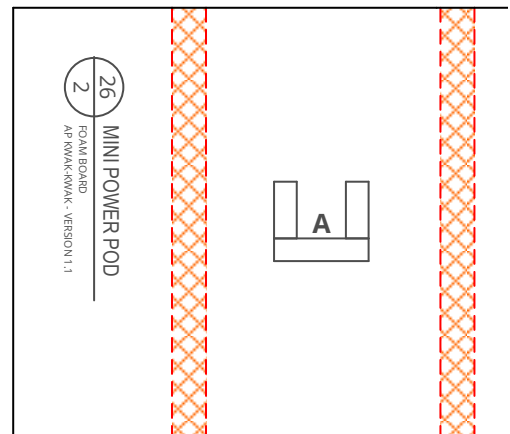
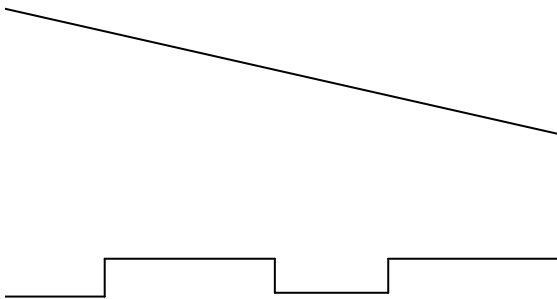
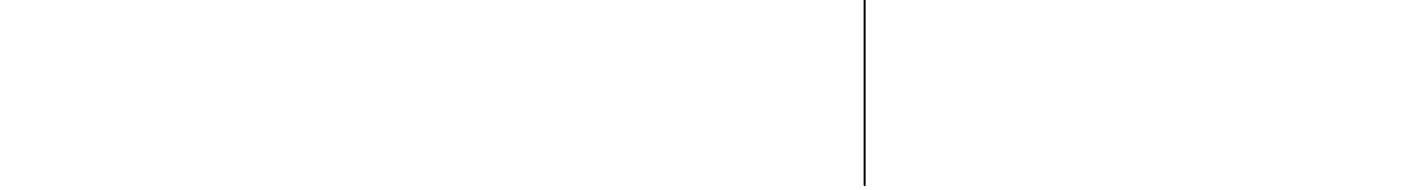
01 VERTICAL SPACER
1
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



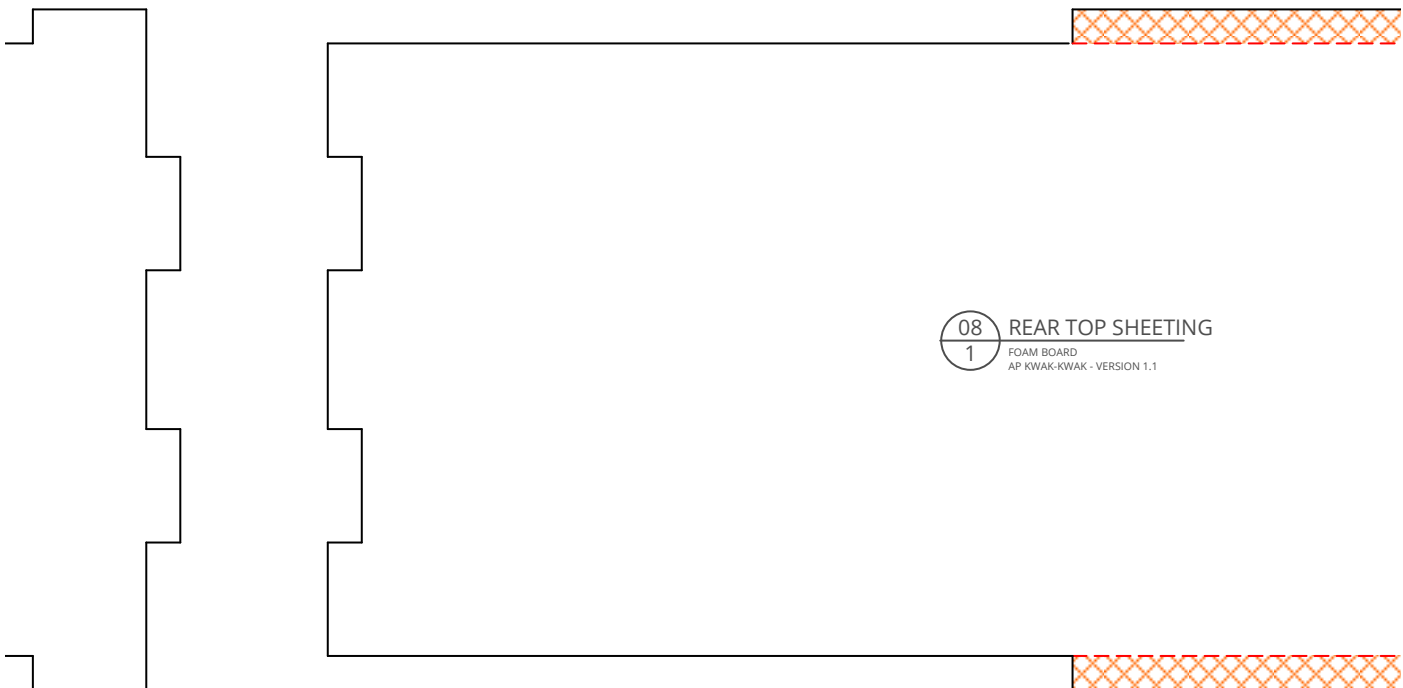
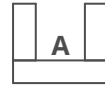
09 HORIZONTAL STABILIZER
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



45° SINGLE BEVEL

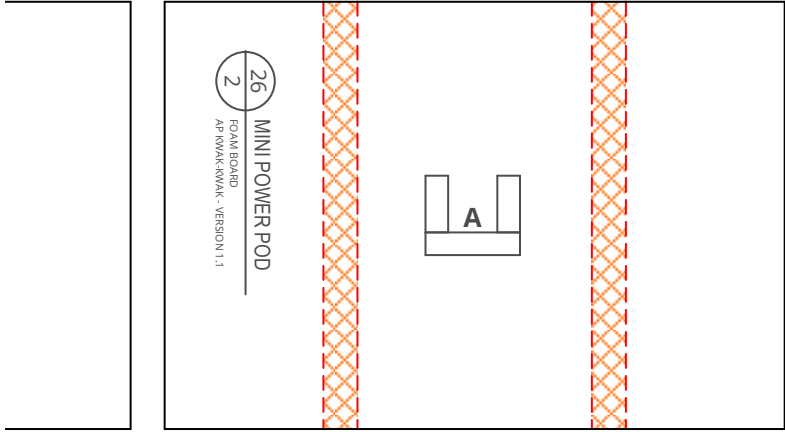
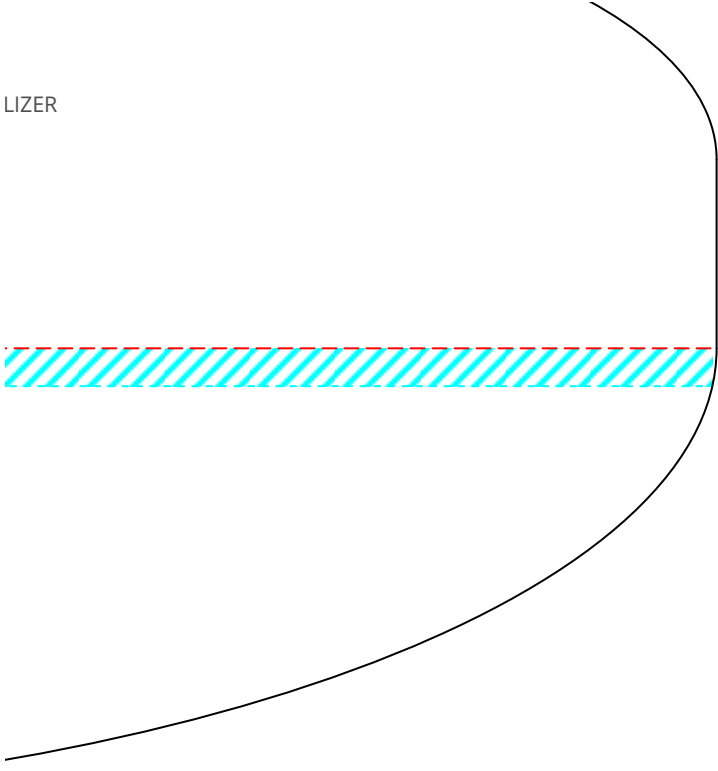


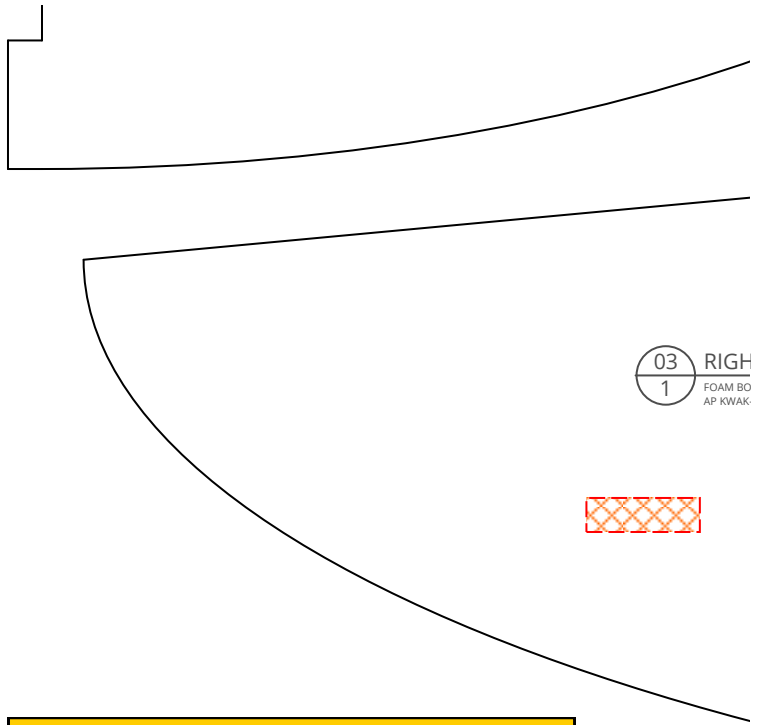
26 MINI POWER POD
2 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



08 REAR TOP SHEETING
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

LIZER



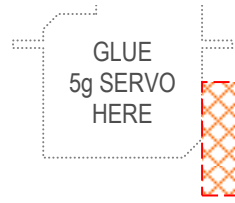
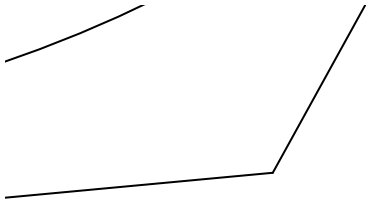


03 RIGH
1 FOAM BO
AP KWAK



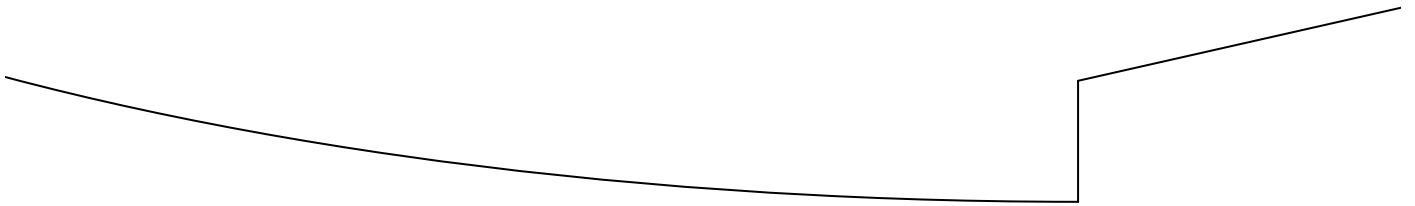
11 HORIZONTAL STABILIZER SUPPORT
2 BBQ SKEWER
AP KWAK-KWAK - VERSION 1.1

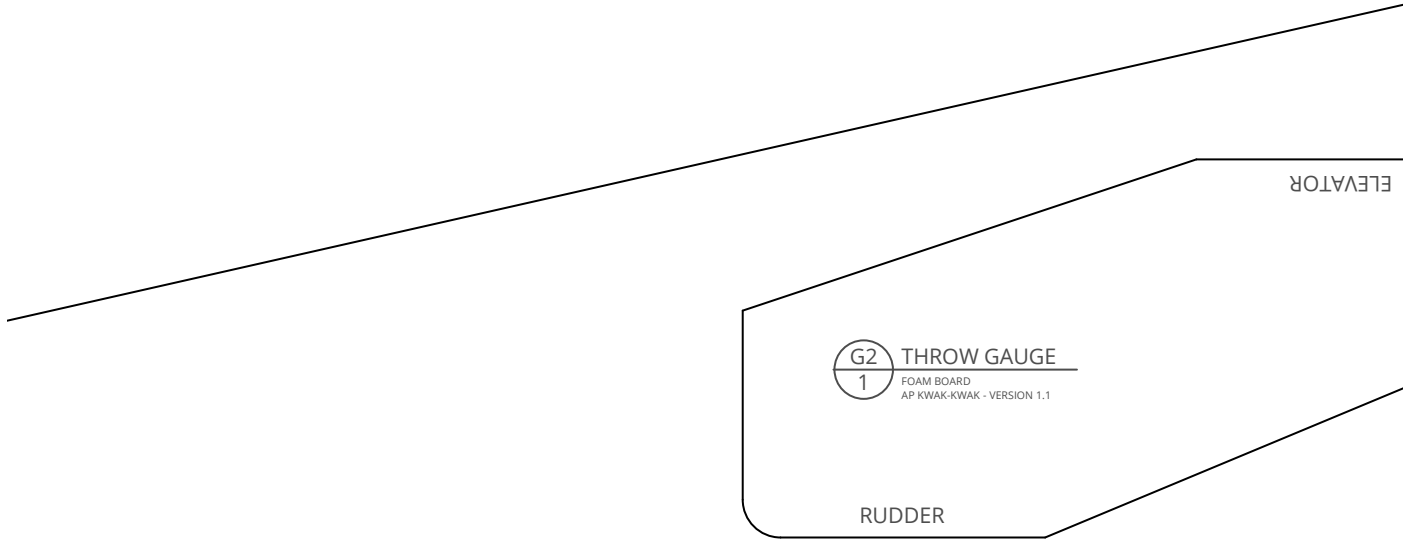




IT SIDE WALL

ARD
KWAK - VERSION 1.1





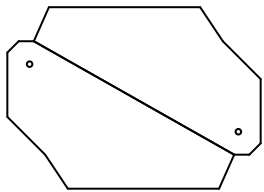
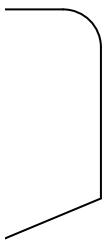
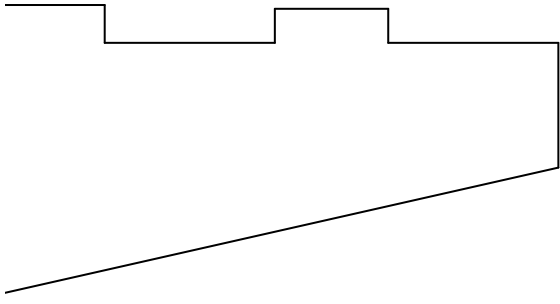
G2
1

THROW GAUGE

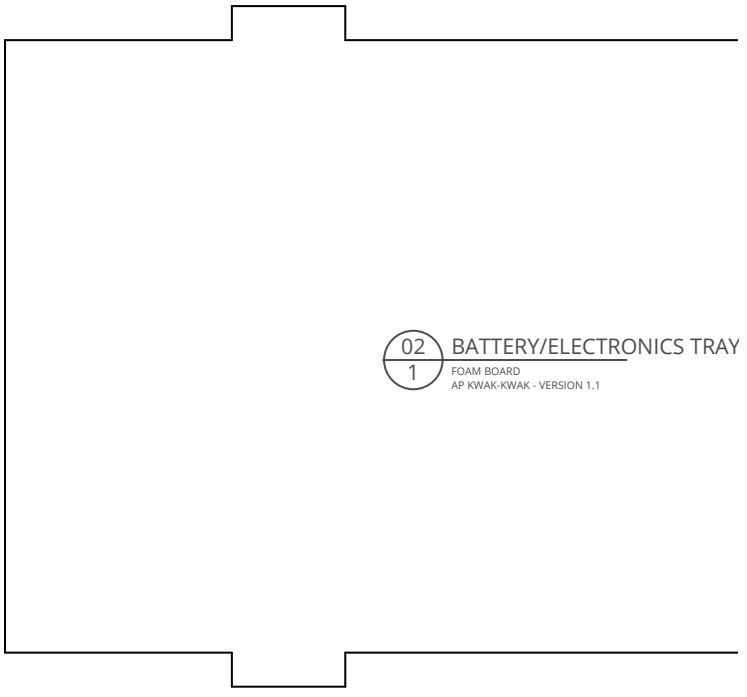
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

RUDDER

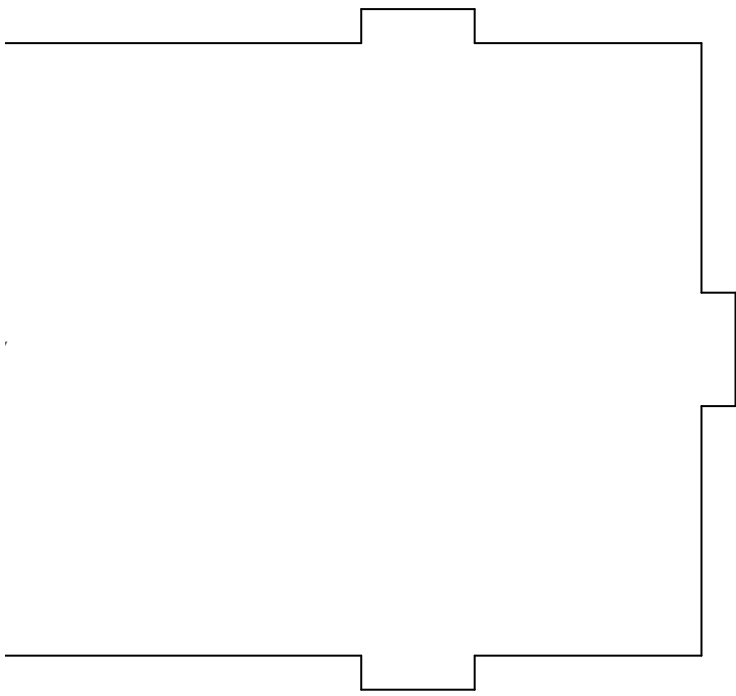
ELEVATOR



12 CONTROL HORN
2 PLASTIC CARD
AP KWAK-KWAK - VERSION 1.1



02 BATTERY/ELECTRONICS TRAY
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

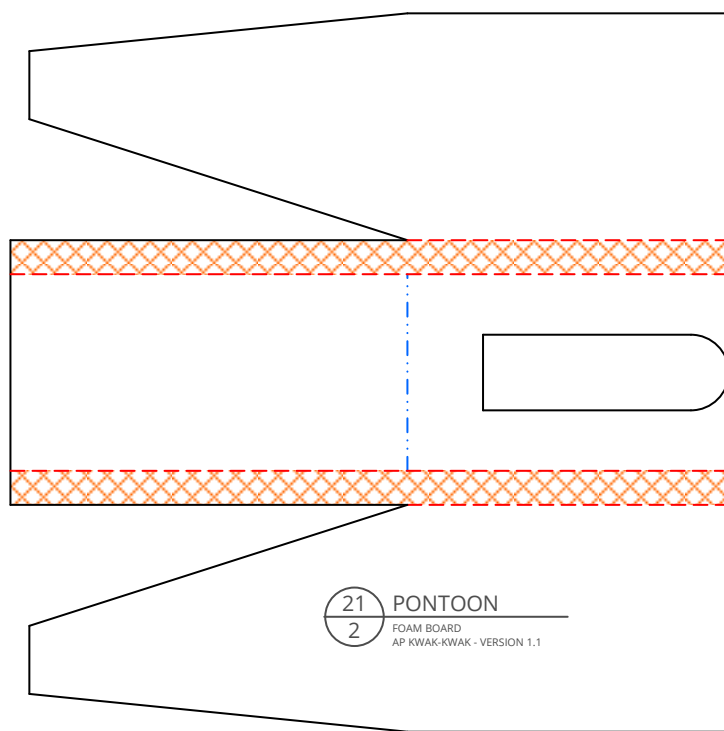


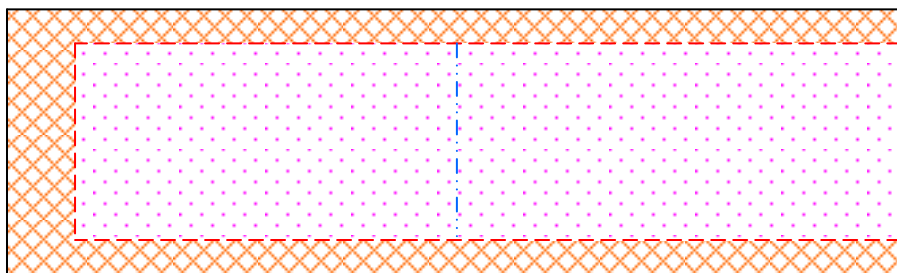
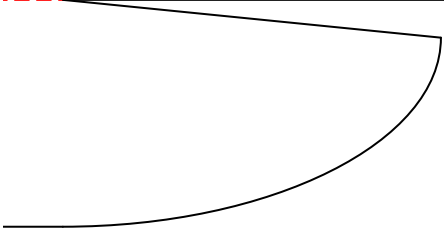
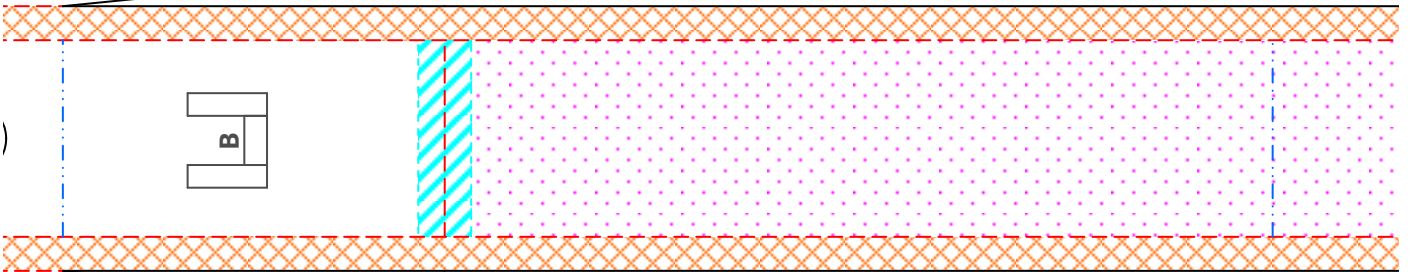
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AP Kwak-Kwak

... the fast Mighty Mini Duck

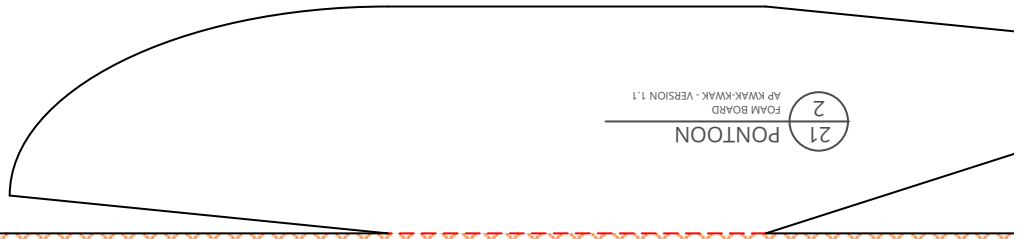
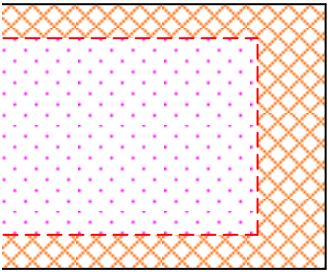
Drawing by: Tony Roehling



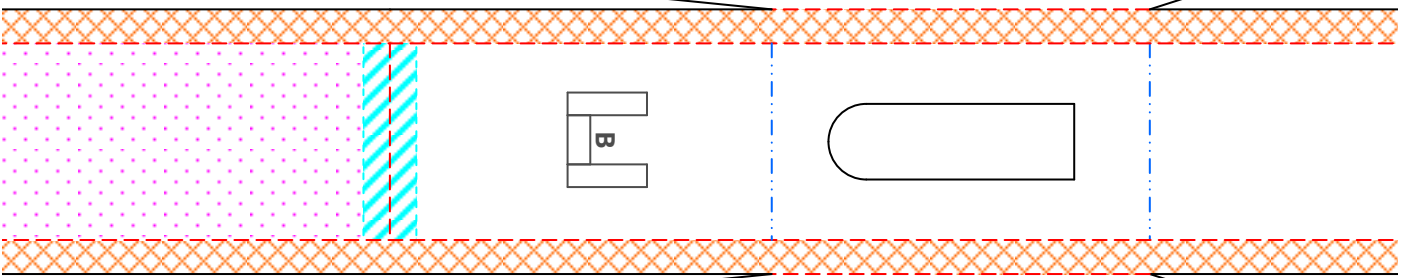




24
2
SIL
FOAM
AP KA



21
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1
PONTON



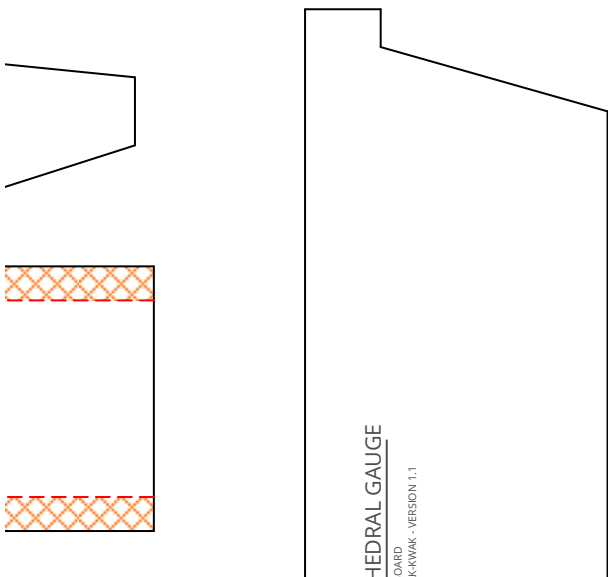
in
cm



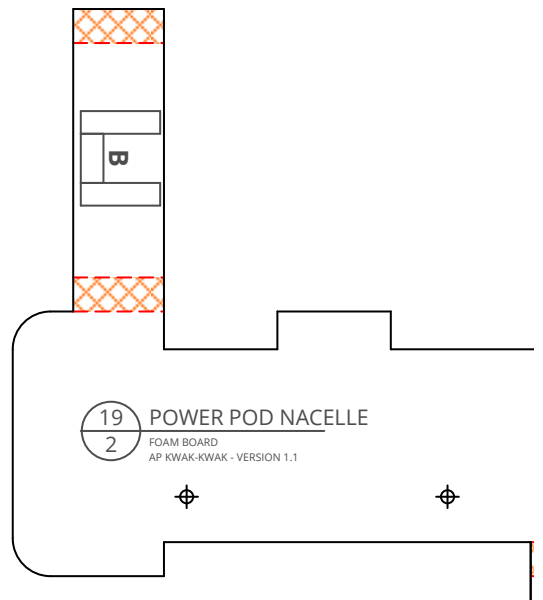
18 FRONT PONTOON PYLON SUPPORT
1 BOARD
KAW-KWAK - VERSION 1.1



19 REAR PONTOON PYLON SUPPORT
2 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



HEDRAL GAUGE
1 BOARD
K-KWAK - VERSION 1.1



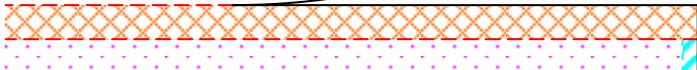
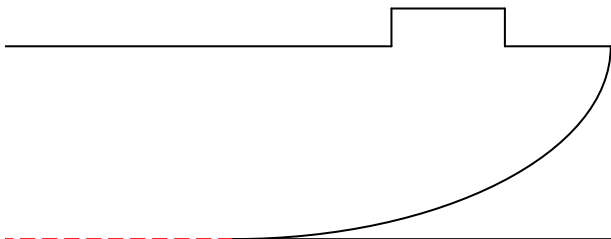
19 POWER POD NACELLE
2 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



SHEET 2 OF 2



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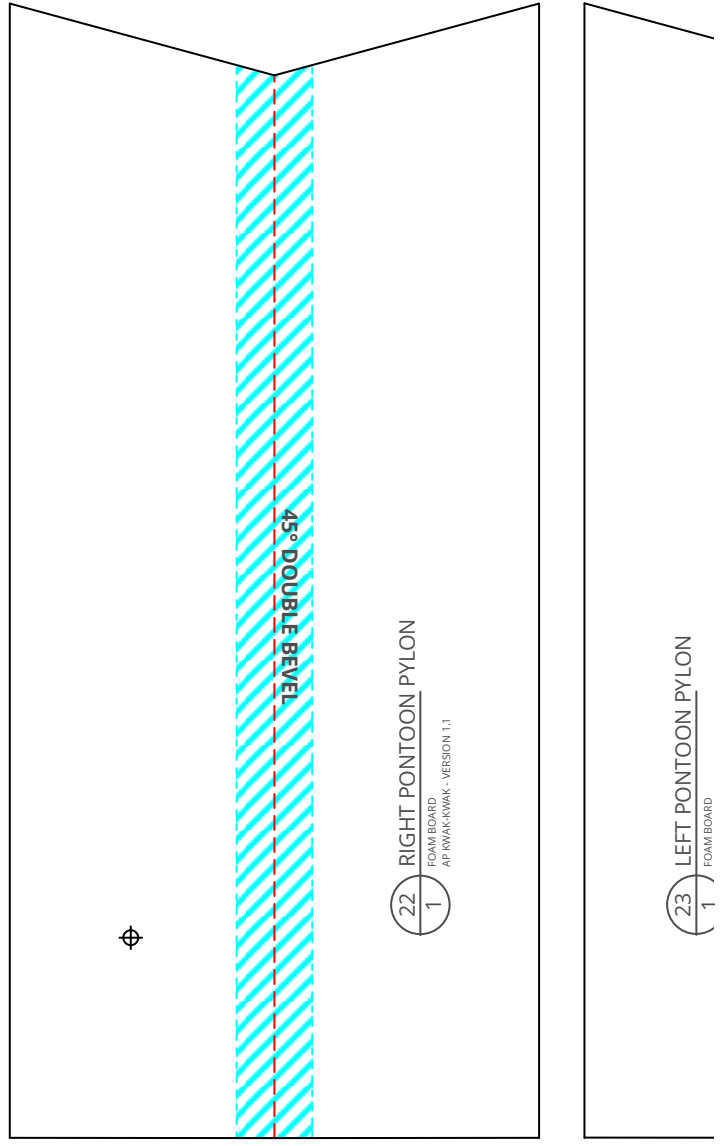


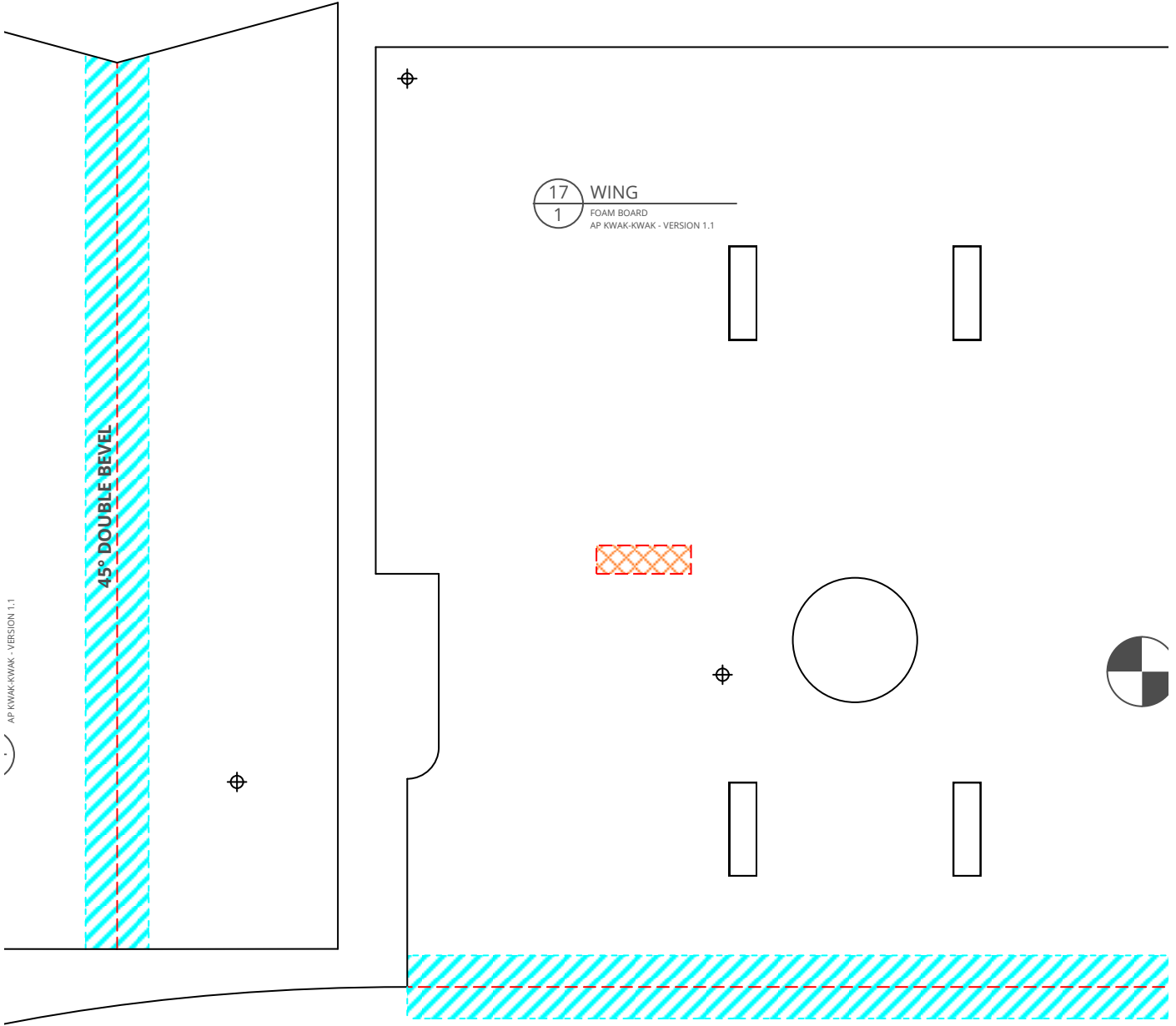
⌀

45° DOUBLE BEVEL

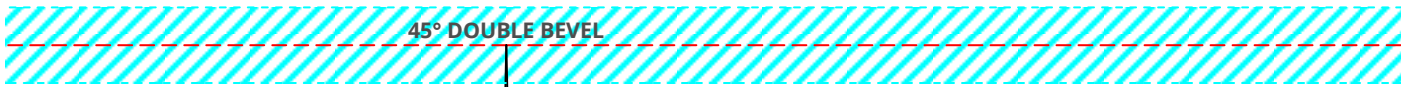
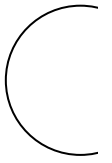
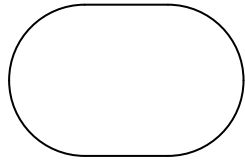
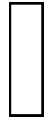
22 RIGHT PONTOON PYLON
FOAM BOARD
1
AP/MAK/KWAK - VERSION 1.1

23 LEFT PONTOON PYLON
FOAM BOARD
1





17 WING
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

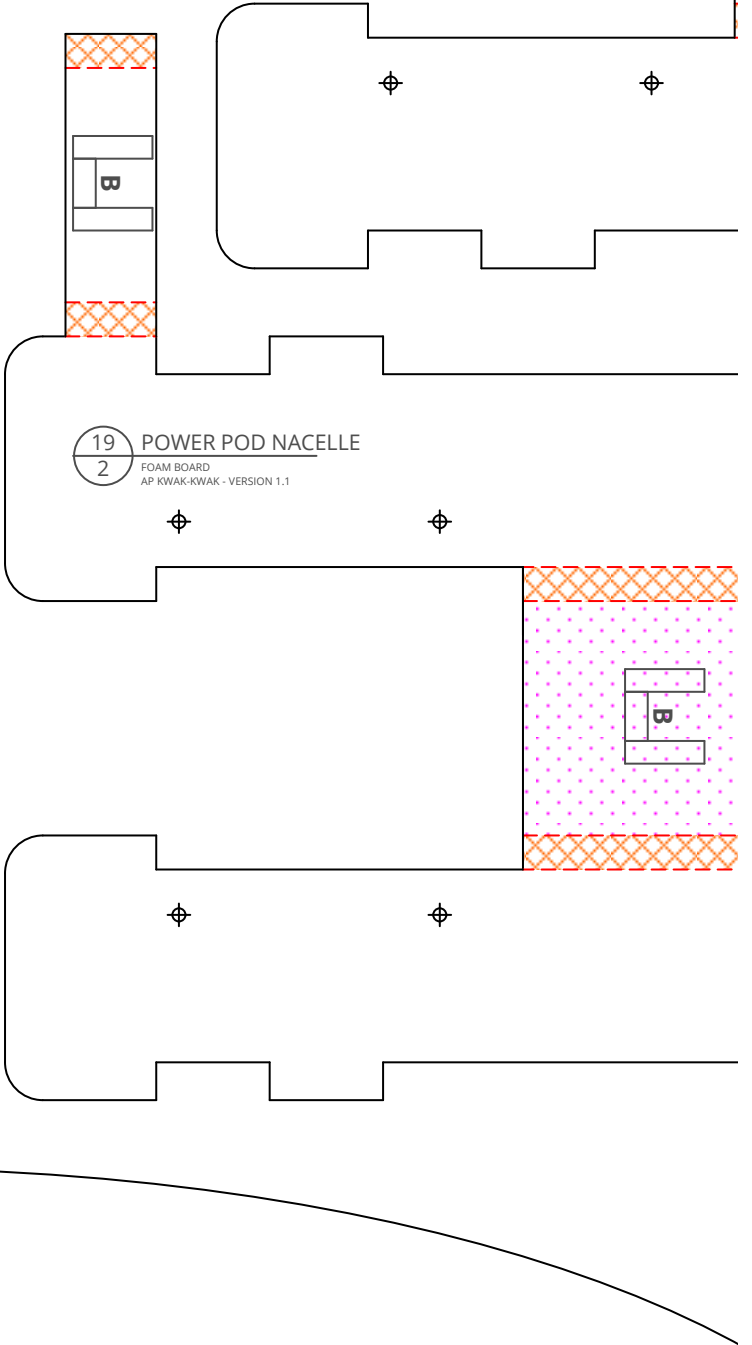
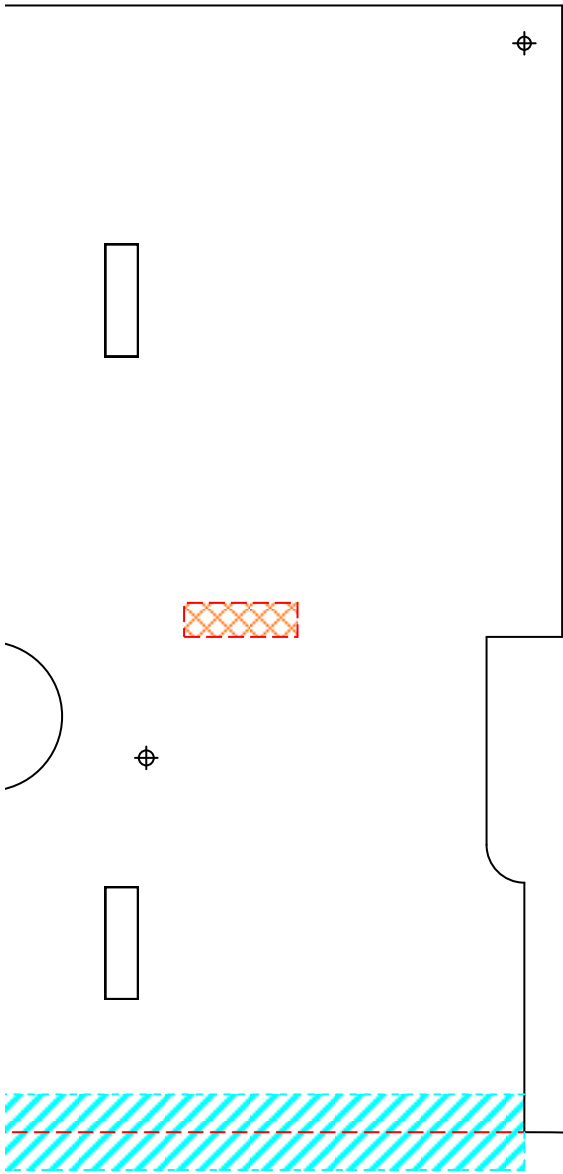
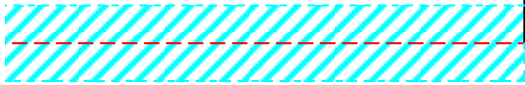
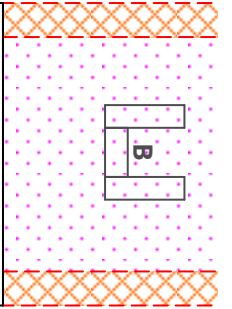
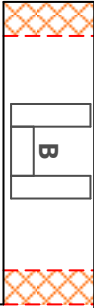


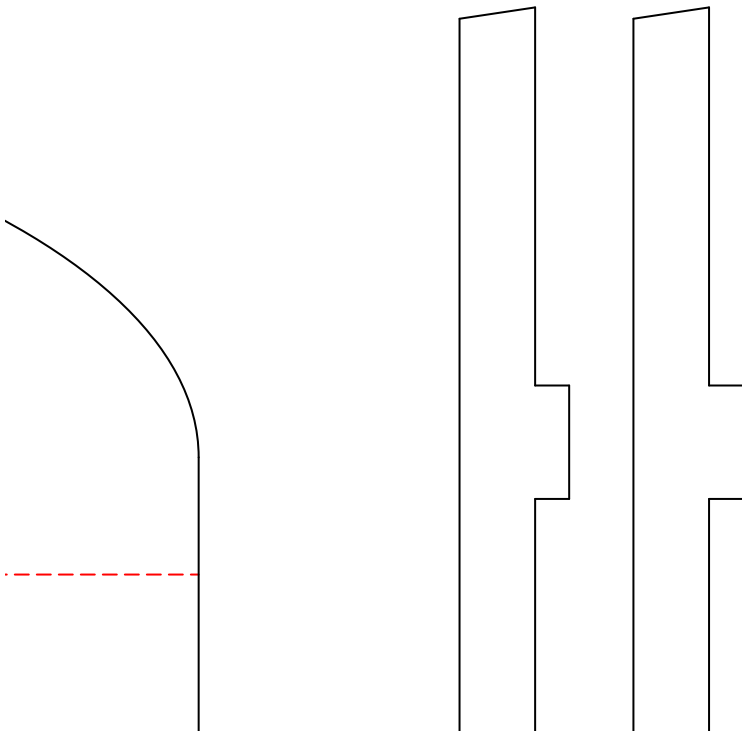
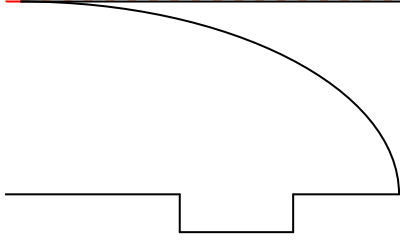
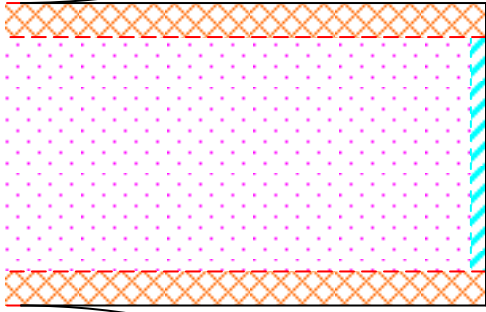
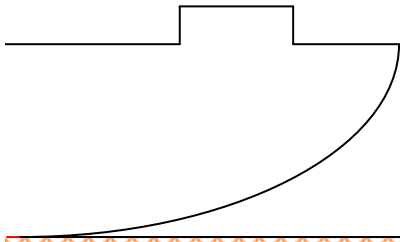
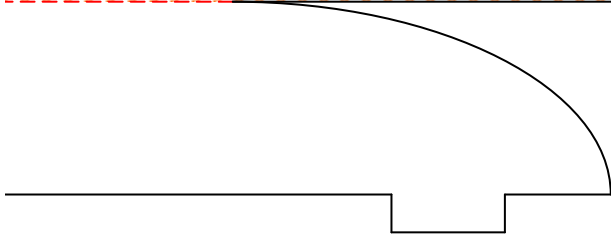
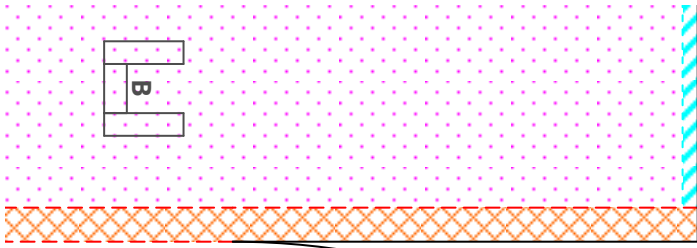
45° DOUBLE BEVEL



G1 DIEI
1 FOAME
AP KWAK

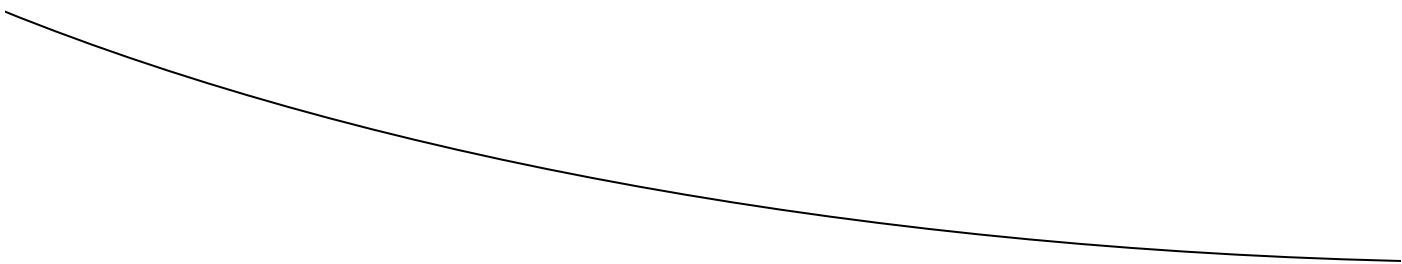
19 POWER POD NACELLE
2 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

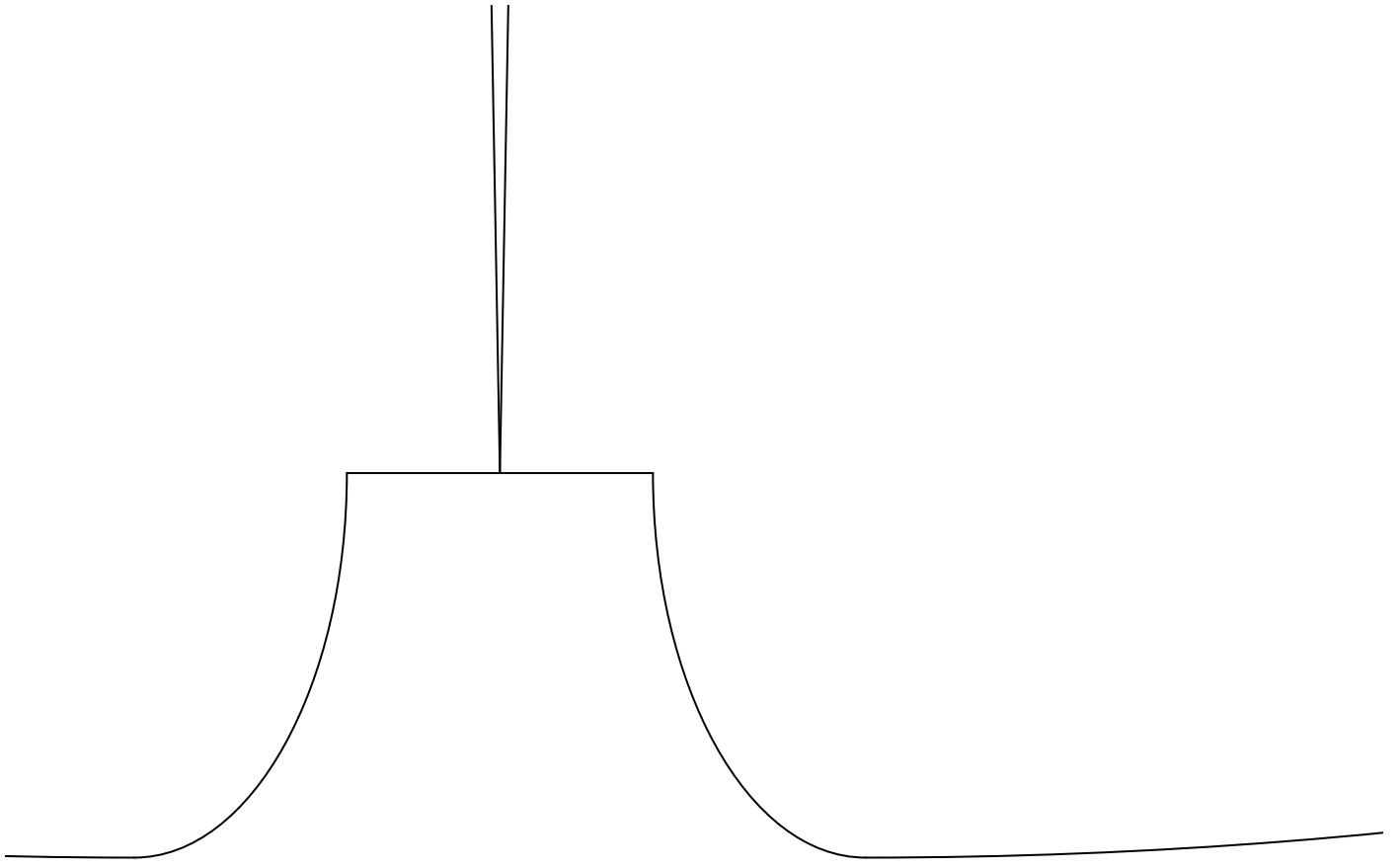


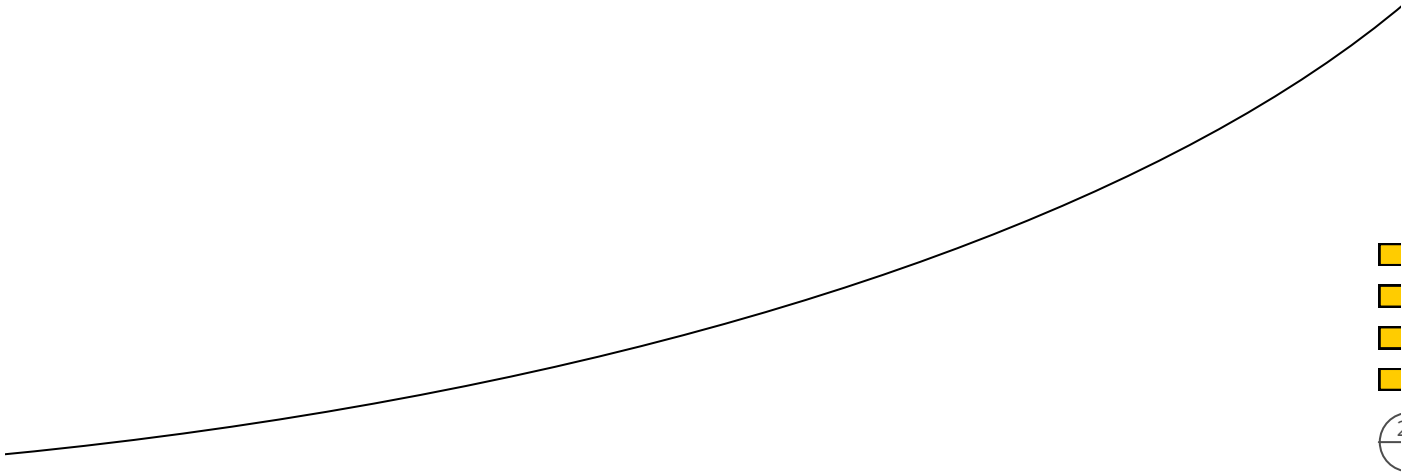


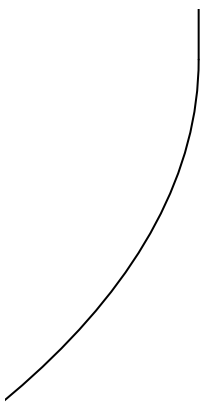


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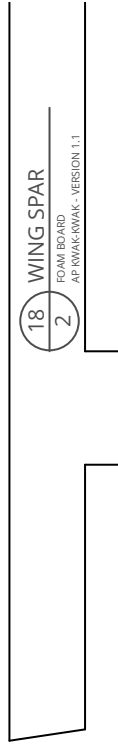
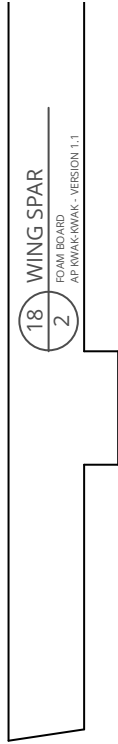








20 POWER POD PIN
4 BBQ SKEWER
AP KWAK-KWAK - VERSION 1.1



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