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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

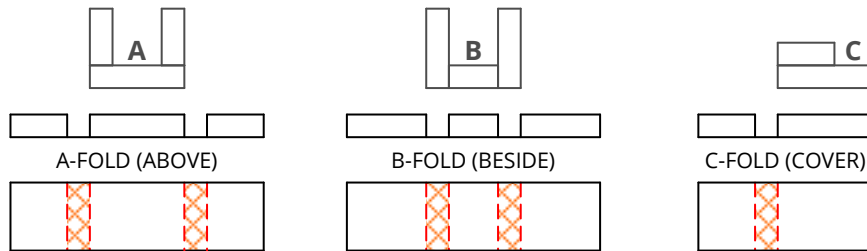
MOTOR:	2 x 2300 kv (1806 or 2204)
PROPELLER:	2 x 5x4.5 3 blade prop



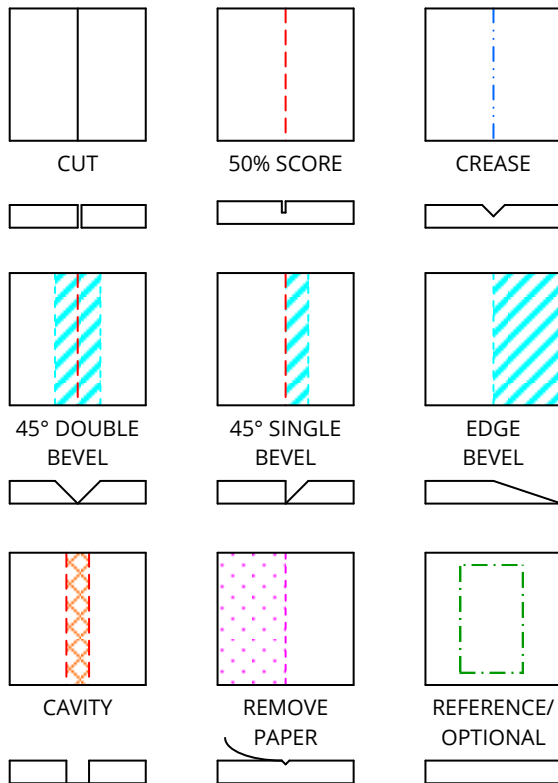
DRAWING KEY

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

FOLD TYPES

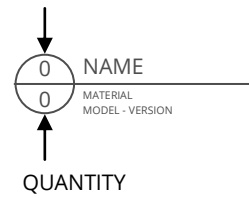


LINE TYPE/COLOR



SYMBOLS

PART NUMBER



 DOWEL HOLE

 CENTER OF GRAVITY (CG)

AP Kwak-Kwak - PARTS LIST

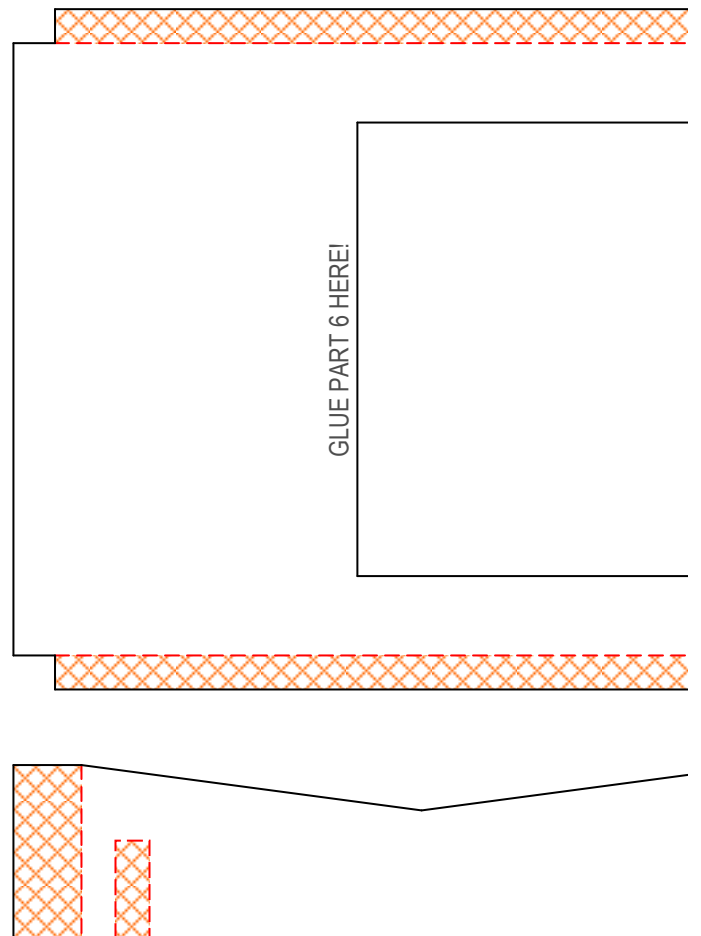
PART NR.	DESCRIPTION	QUANTITY	MATERIAL	SHEET
01	VERTICAL SPACER	1	FOAM BOARD	1
02	BATTERY/ELECTRONICS TRAY	1	FOAM BOARD	1
03	RIGHT SIDE WALL	1	FOAM BOARD	1
04	LEFT SIDE WALL	1	FOAM BOARD	1
05	FRONT SHEETING	1	FOAM BOARD	1
06	HATCH SUPPORT	1	FOAM BOARD	1
07	REAR BOTTOM SHEETING	1	FOAM BOARD	1
08	REAR 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

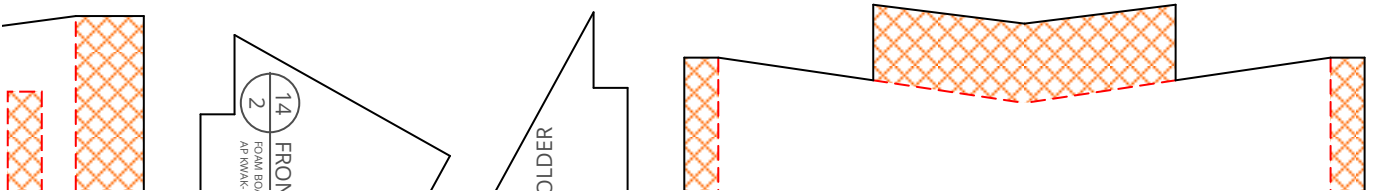
... the fast Mighty Mini Duck

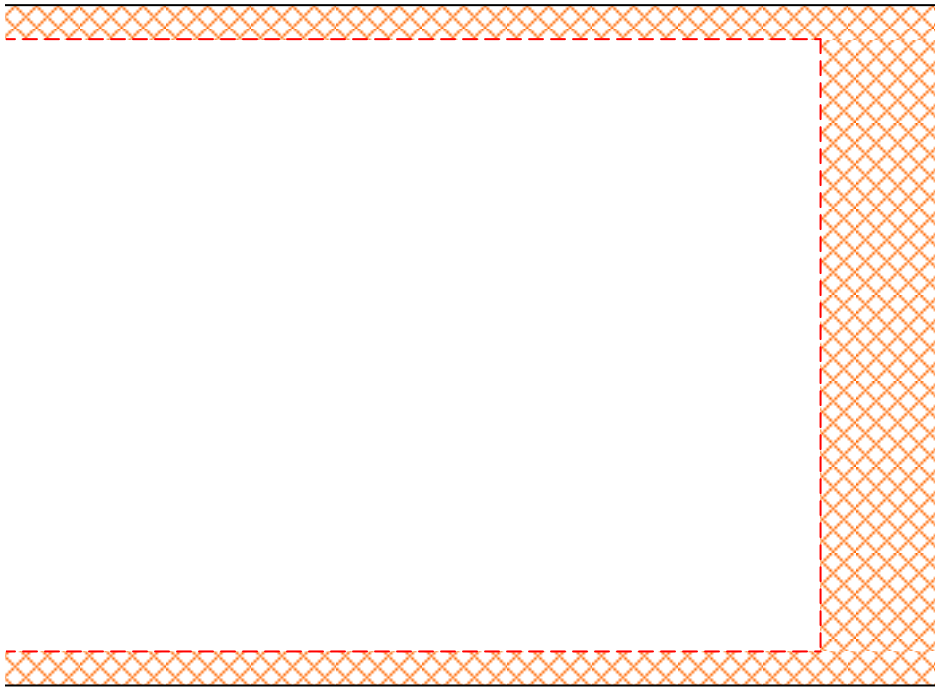
Drawing by: Tony Roehling



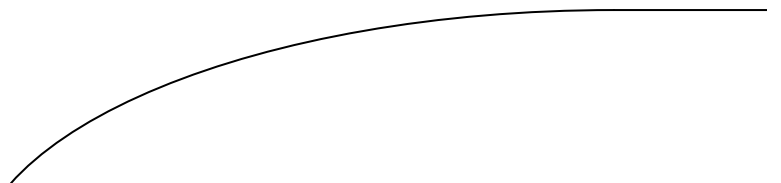
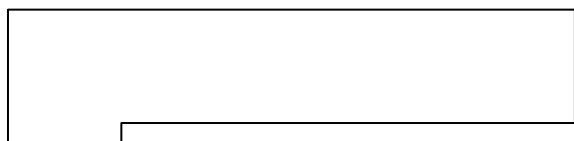


05 FRONT SHEETING
1
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1





07 REAR BOTTOM S
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

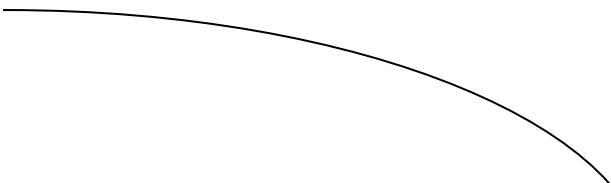
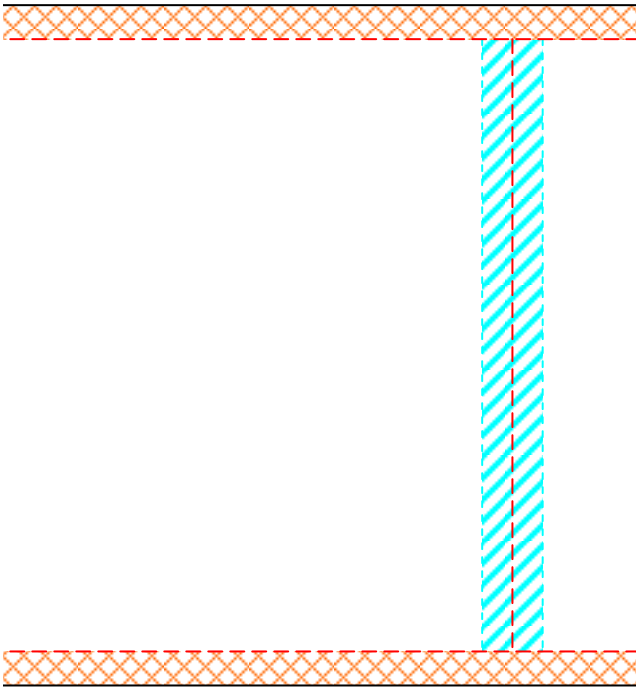


in
cm



HEETING



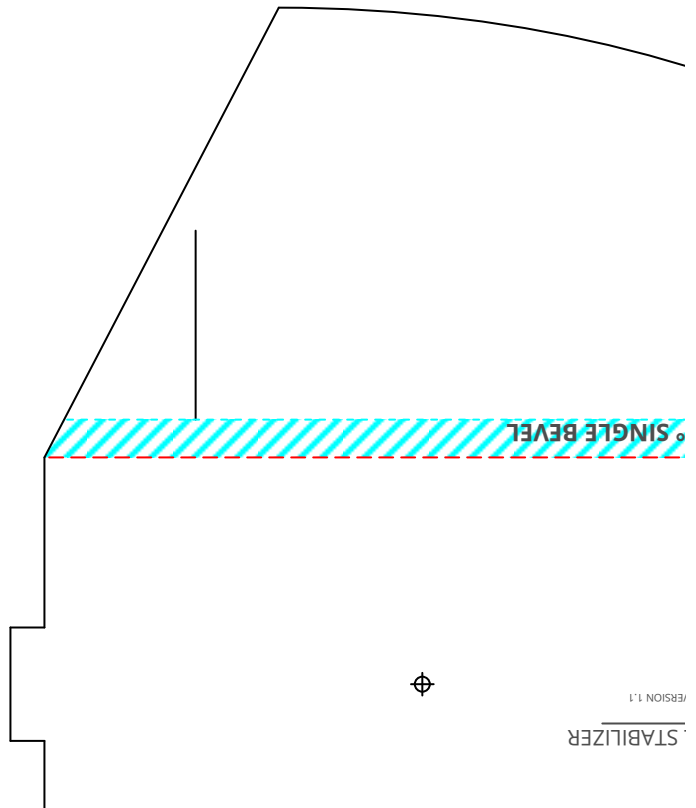
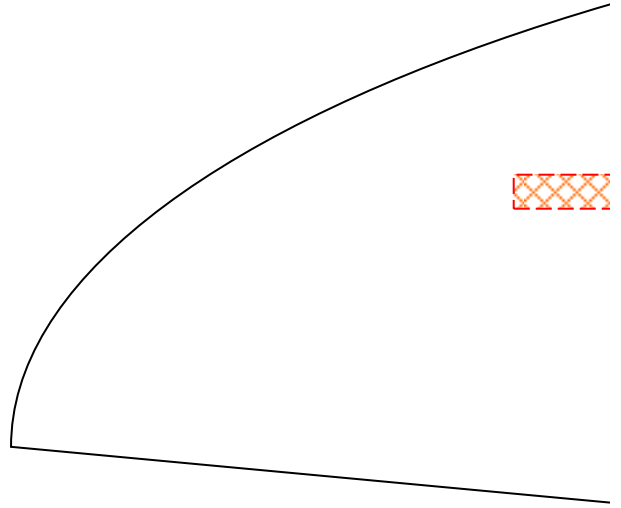


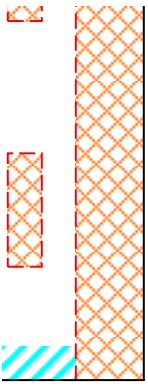


13 FRONT WINDSHIELD
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

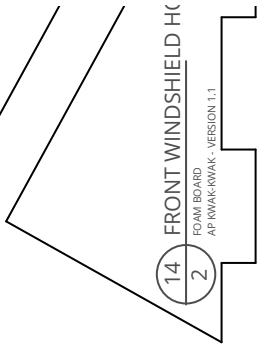


15 FRONT WINDSHIELD PIN
1 BBQ SKEWER
AP KWAK-KWAK - VERSION 1.1

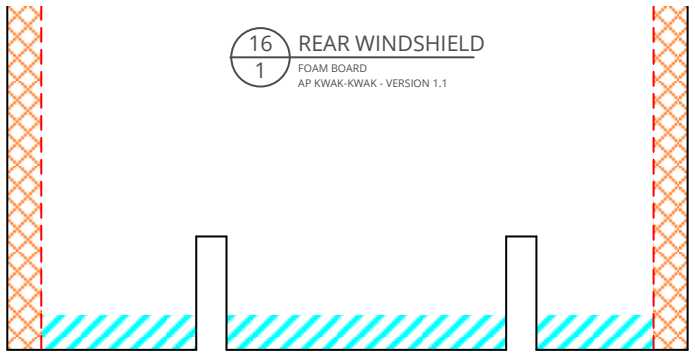




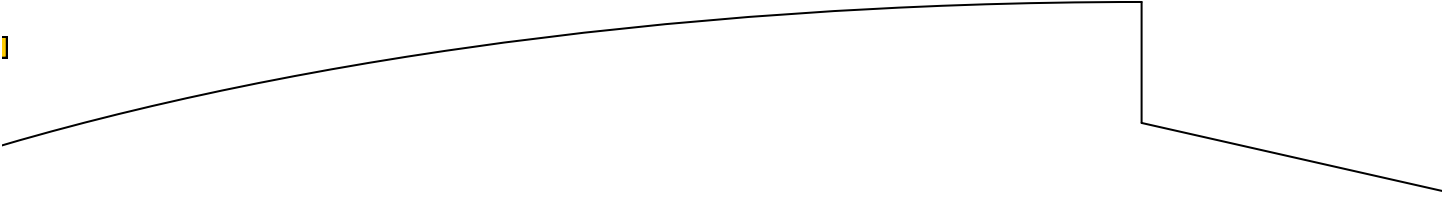
JT WINDSHIELD HOLDER
APD
KWAK - VERSION 1.1



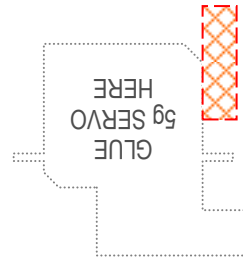
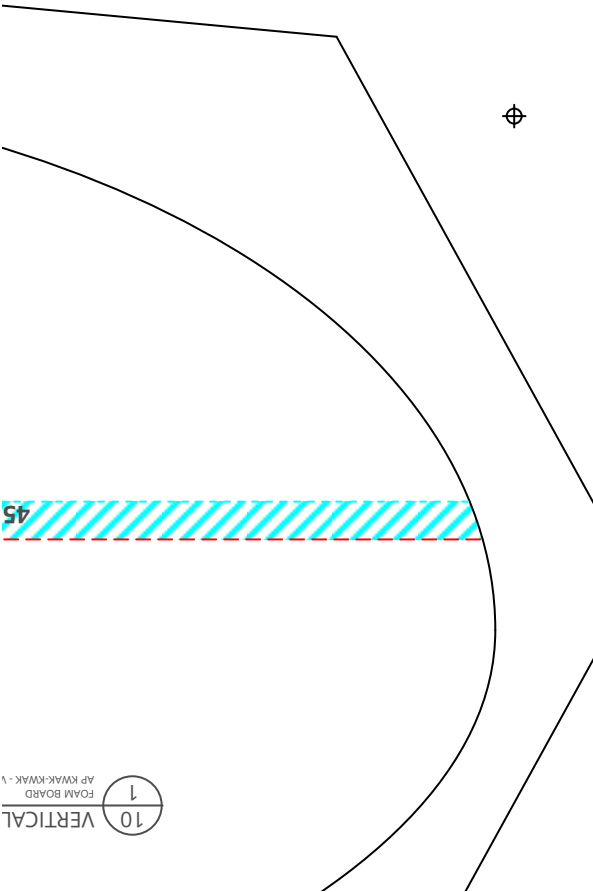
14 FRONT WINDSHIELD HC
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



16 REAR WINDSHIELD
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



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



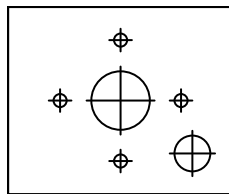
45

10 VERTICAL
FOAM BOARD
AP KWAK-KWAK -

06 HATCH SUPPORT

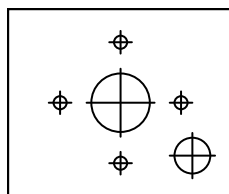
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

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





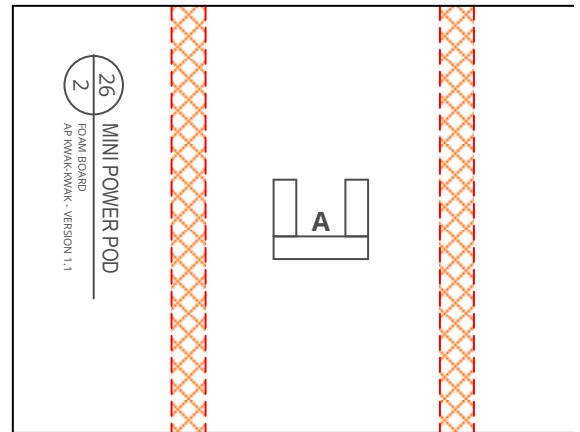
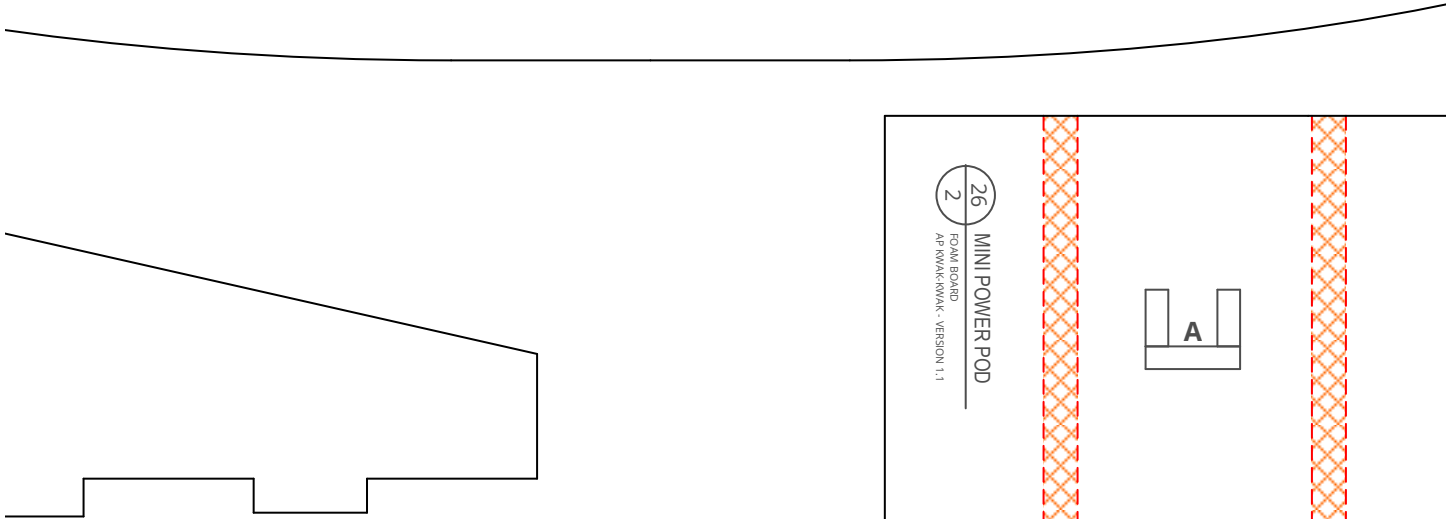
09
1

HORIZONTAL STABILIZER

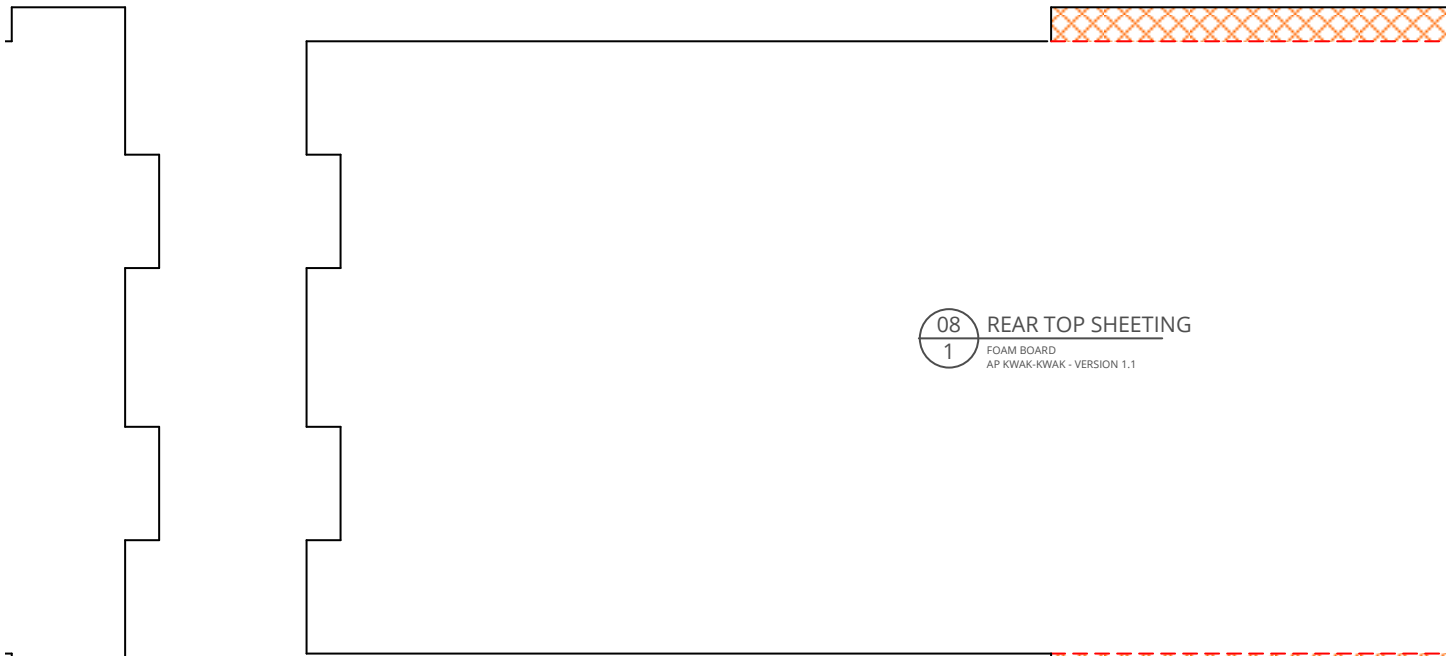
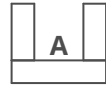
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



45° SINGLE BEVEL

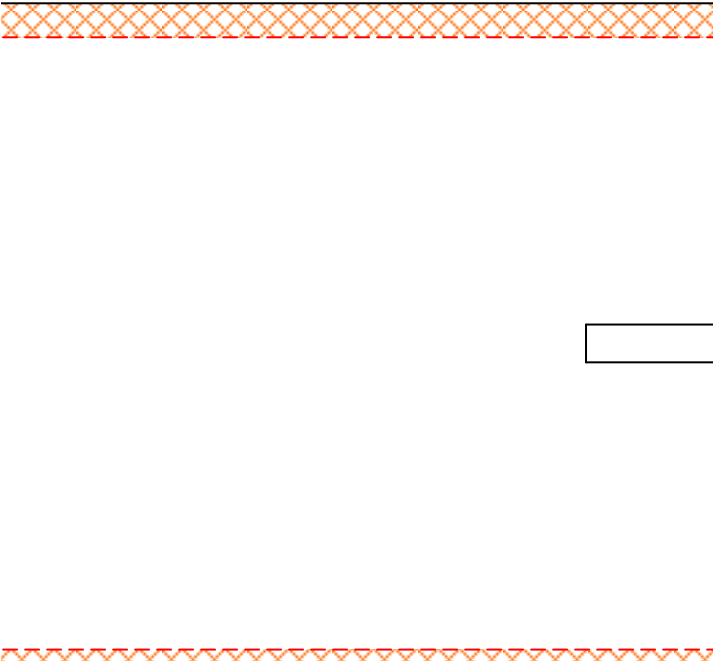
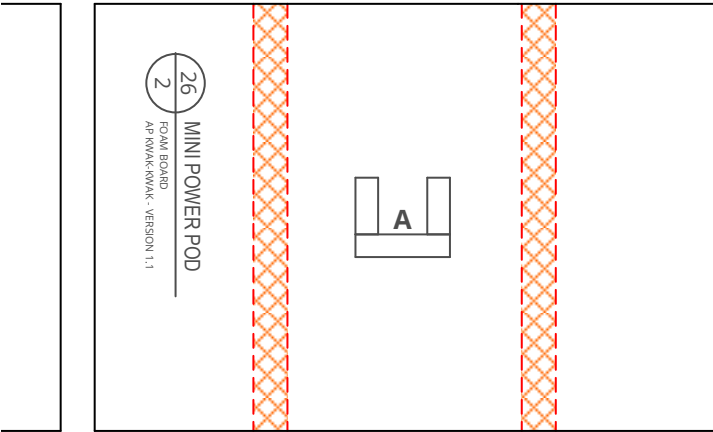
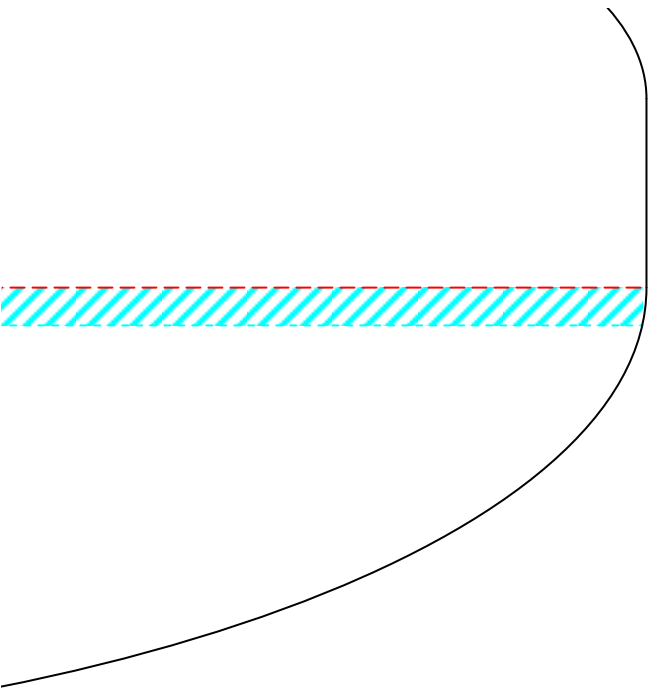


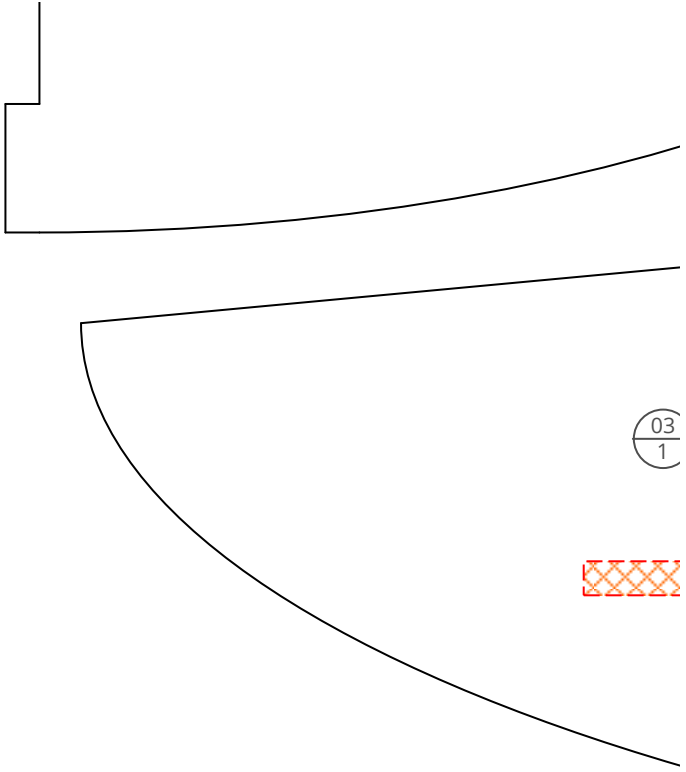
26
2
MINI POWER POD
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



08
1
REAR TOP SHEETING

FOAM BOARD
AP KWAK-KWAK - VERSION 1.1





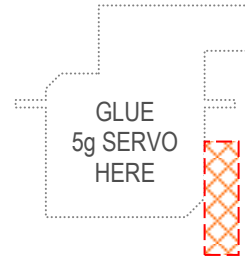
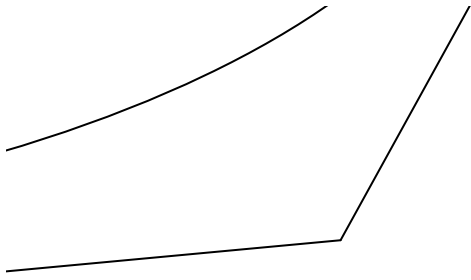
03
1



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

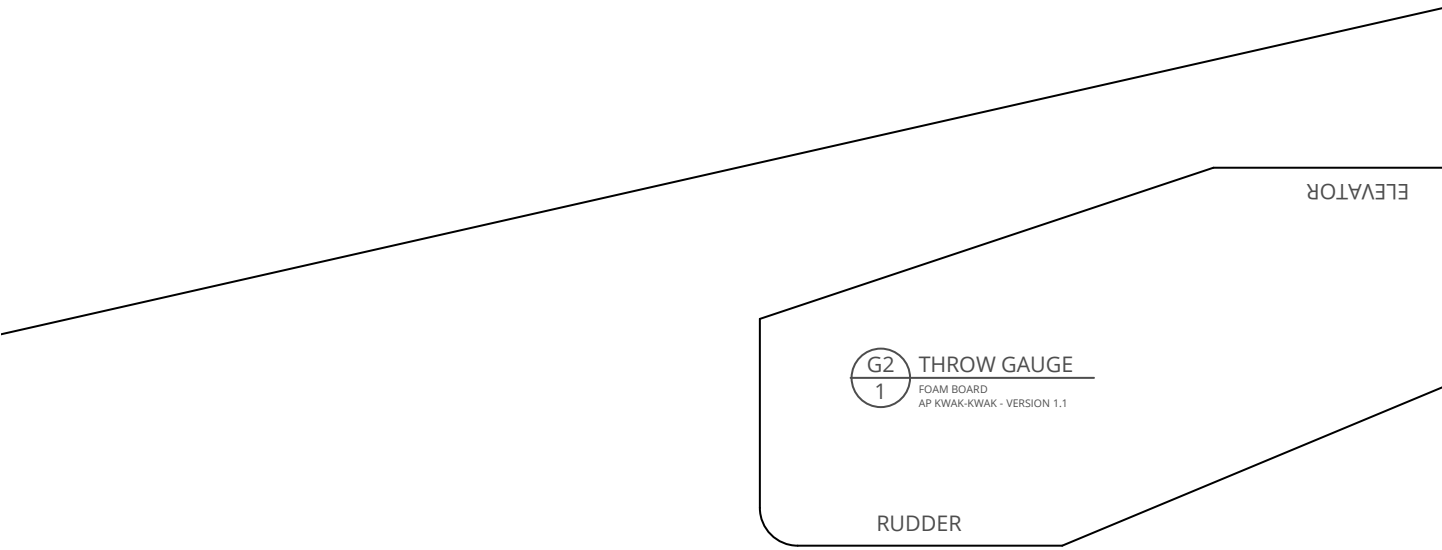


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RIGHT SIDE WALL
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



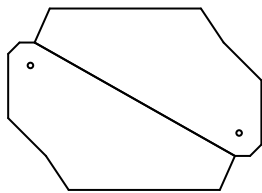
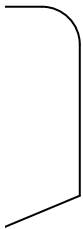
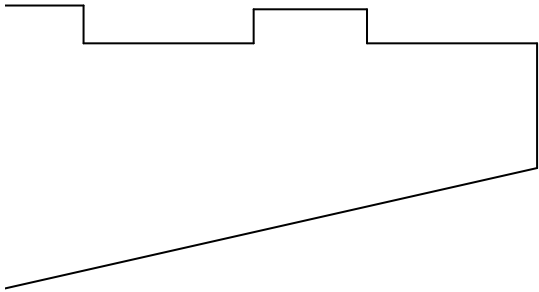


G2 THROW GAUGE
1 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

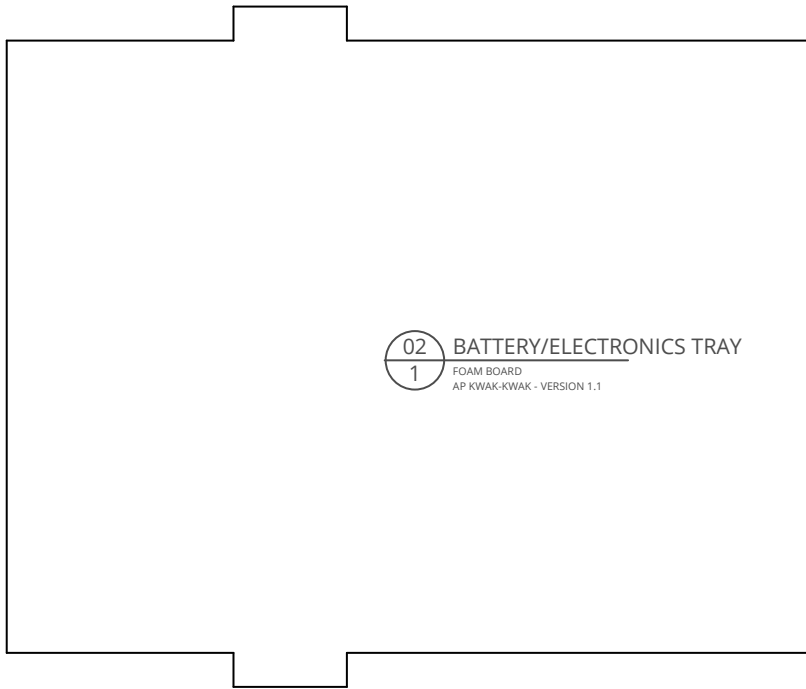
ELEVATOR

RUDDER

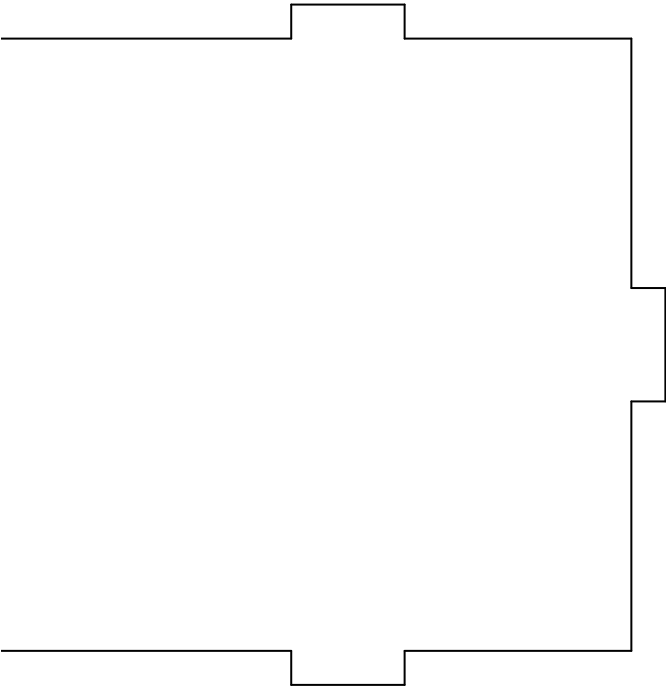




12 CONTROL HORN
2 PLASTIC CARD
AP KWAK-KWAK - VERSION 1.1



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

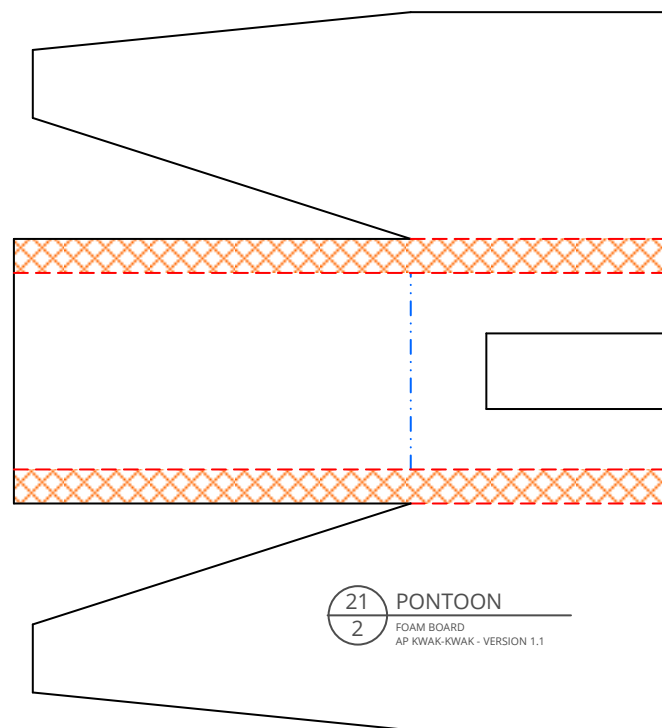


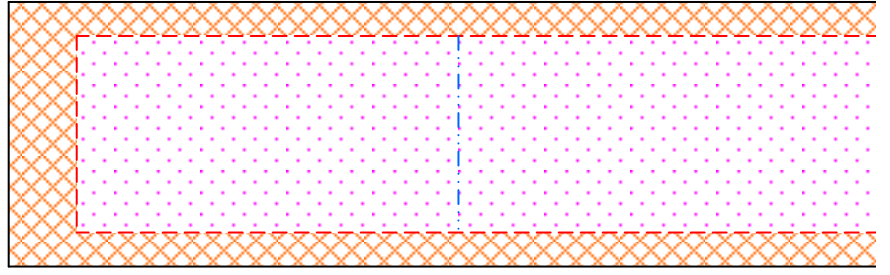
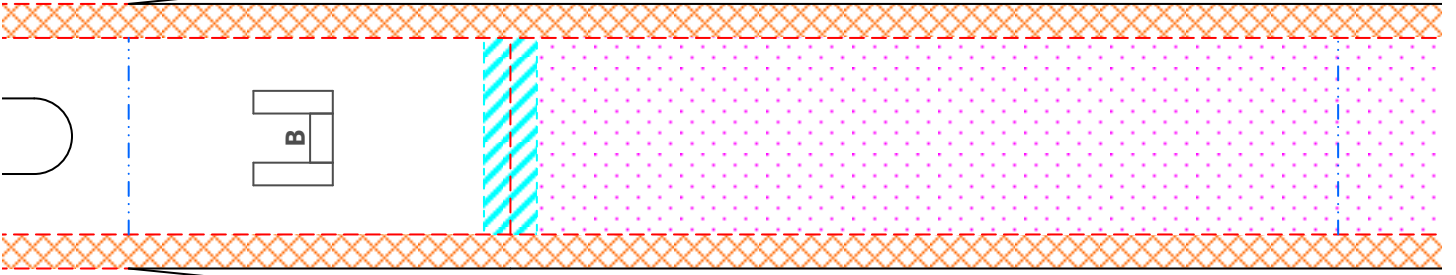
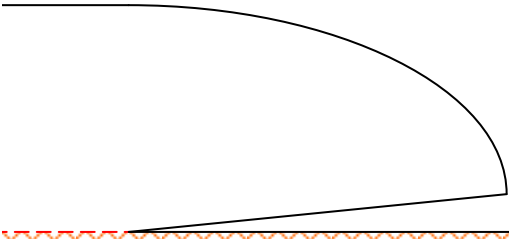
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AP Kwak-Kwak

... the fast Mighty Mini Duck

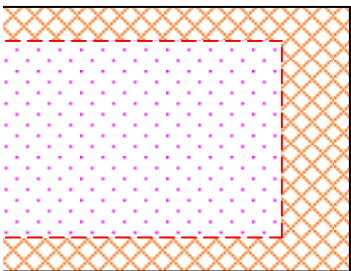
Drawing by: Tony Roehling



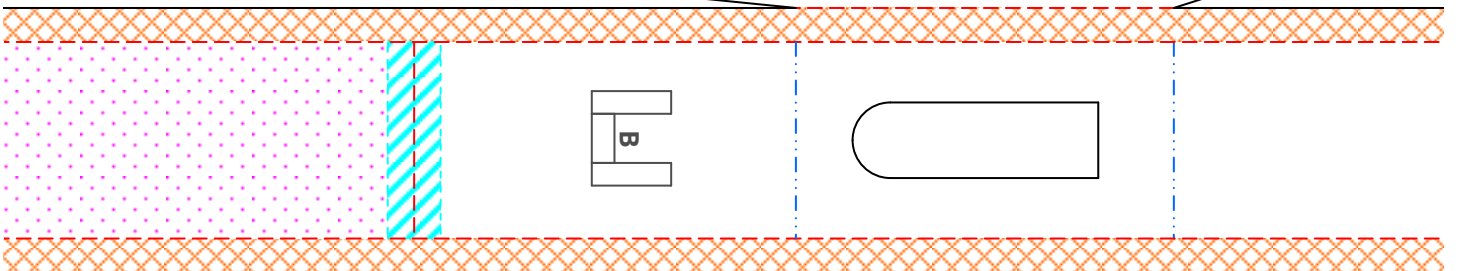




24 SIDE
2 FOAM BO
AP KWAK



21 PONTON
2 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



in 
cm 

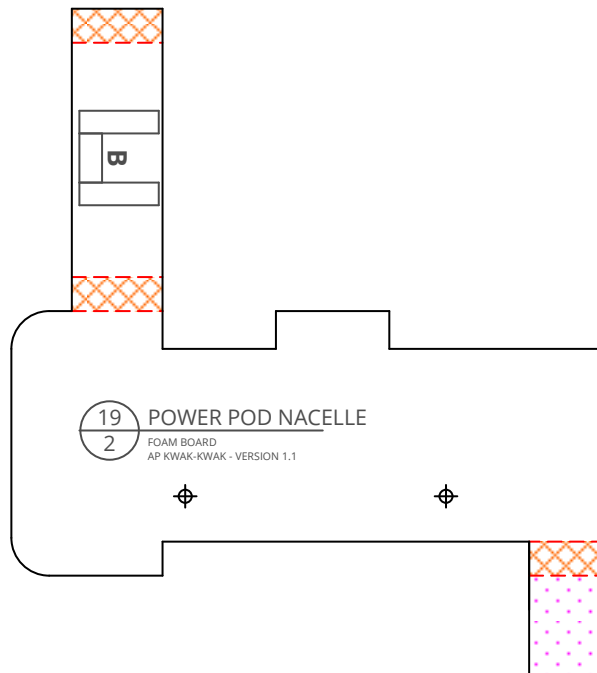
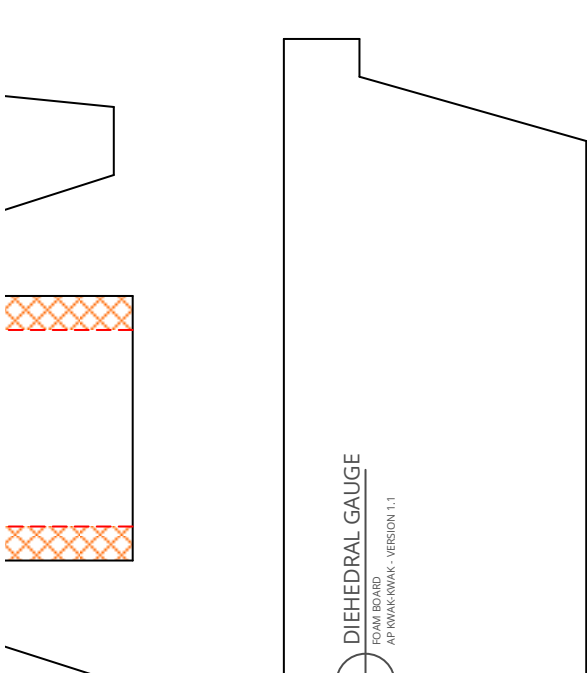


PONTOON PYLON SUPPORT

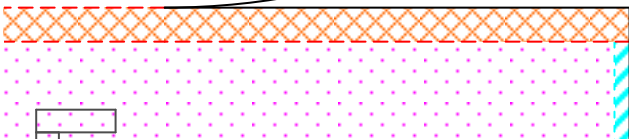
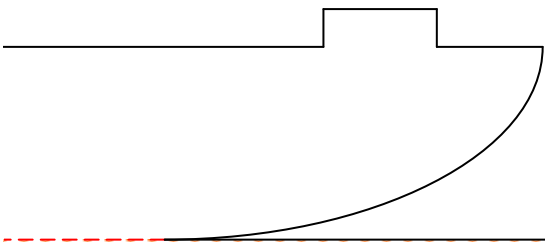
ARD
KWAK - VERSION 1.1

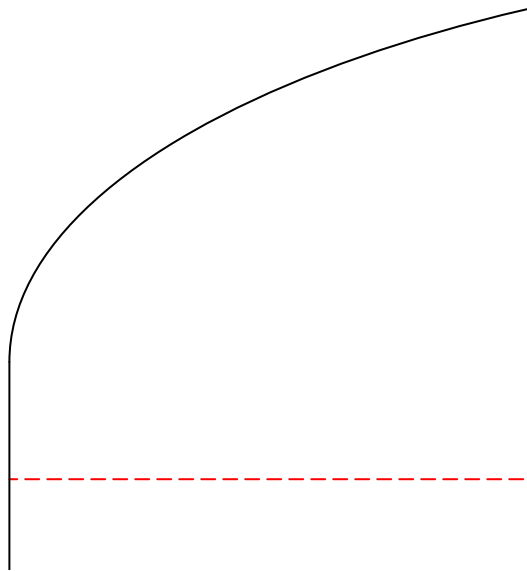
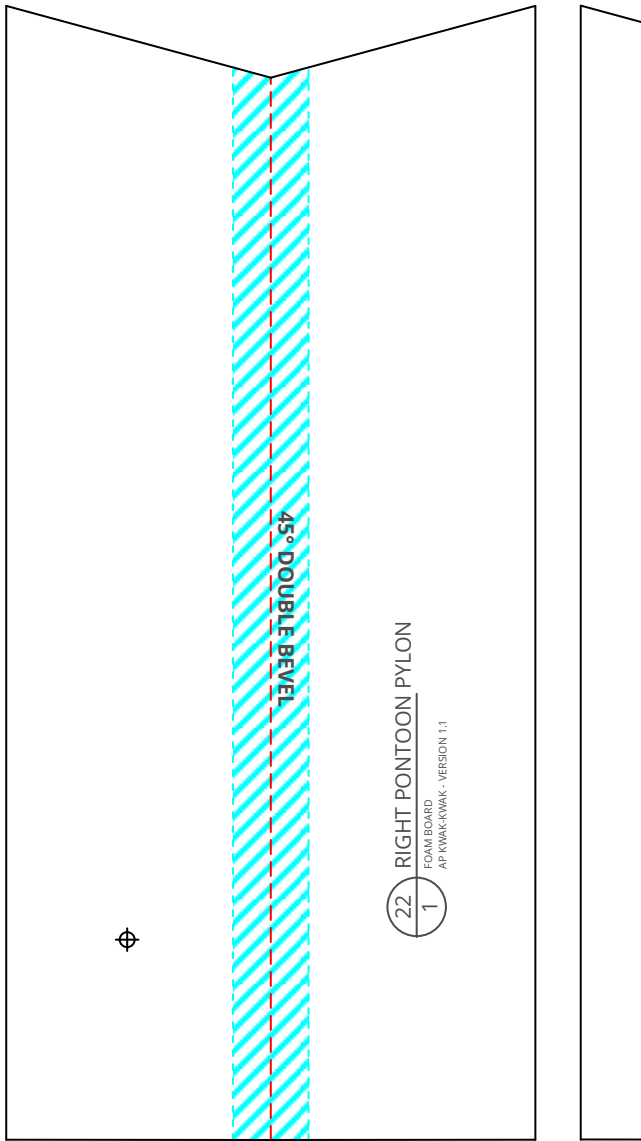


25 REAR PONTOON PYLON SUPPORT
2 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1



SHEET 2 OF 2

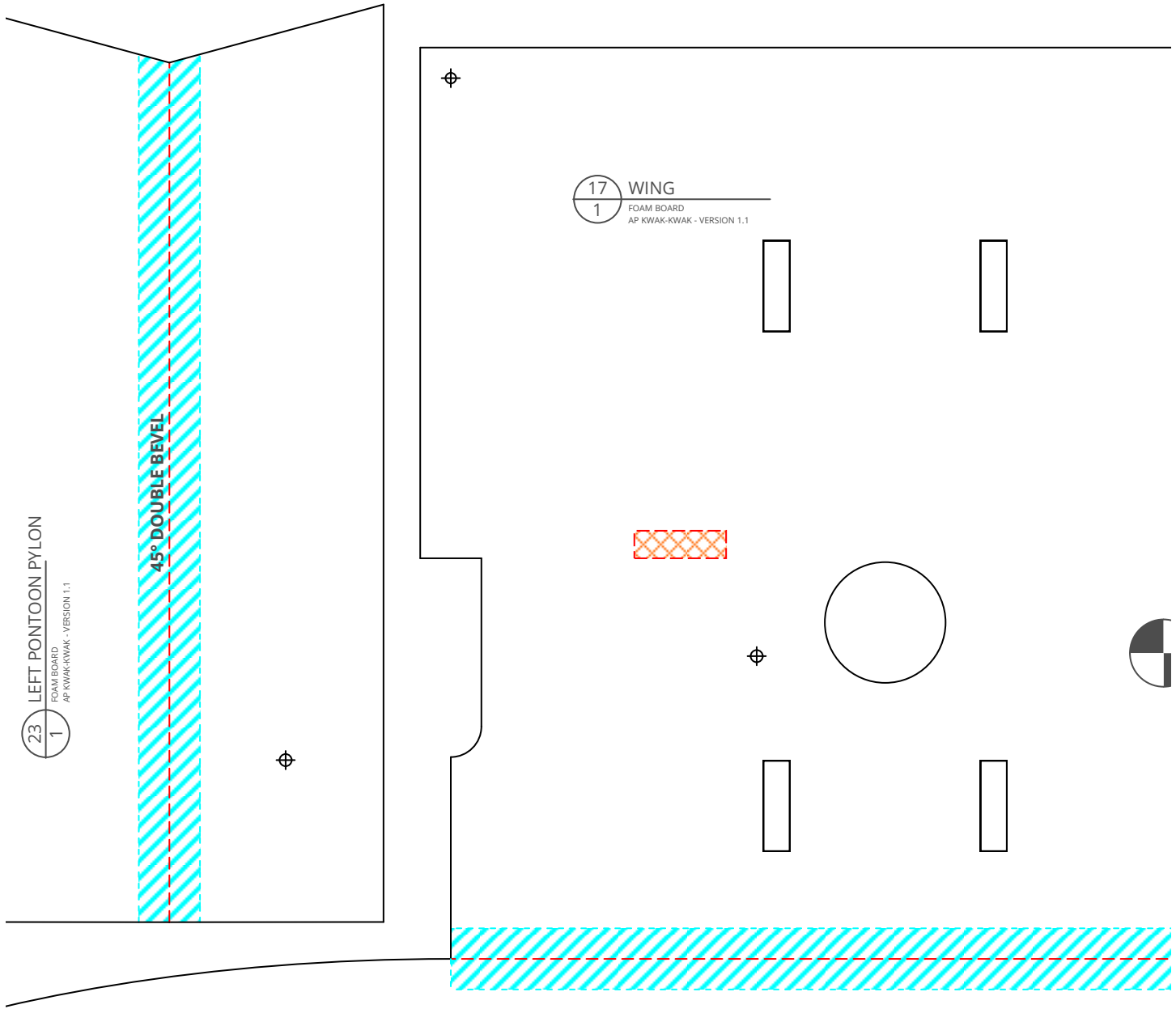


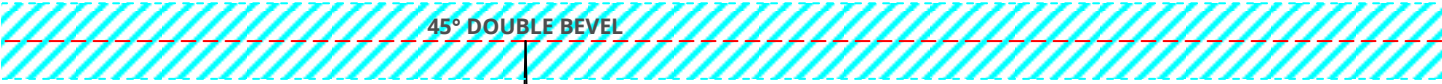
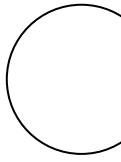
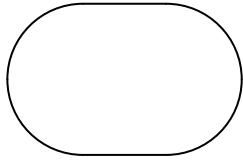


23 LEFT PONTOON PYLON
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

45° DOUBLE BEVEL

17 WING
FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

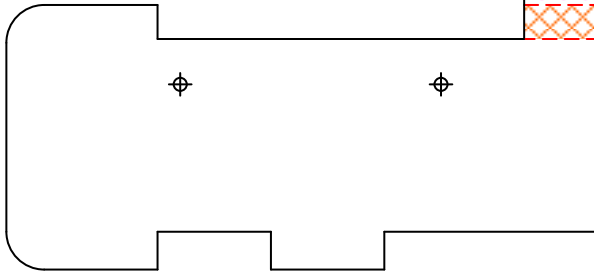
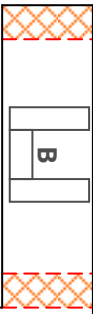
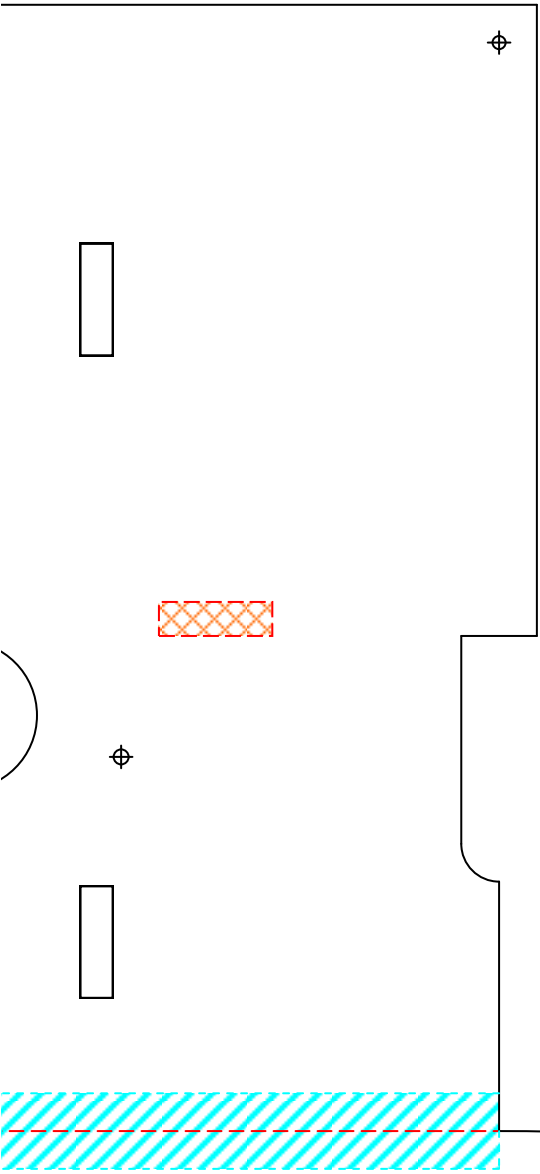
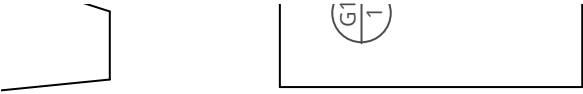




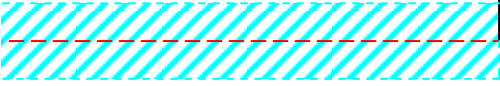
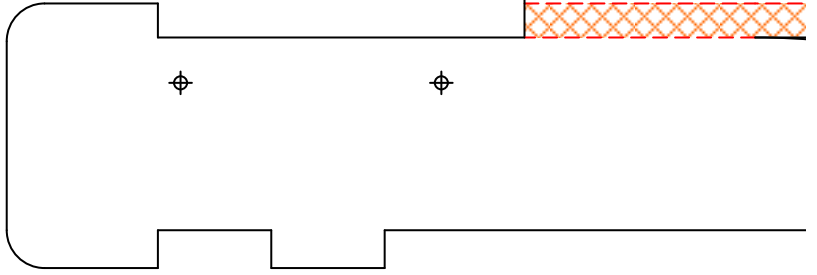
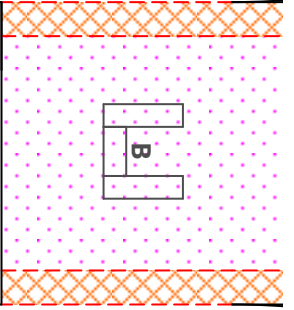
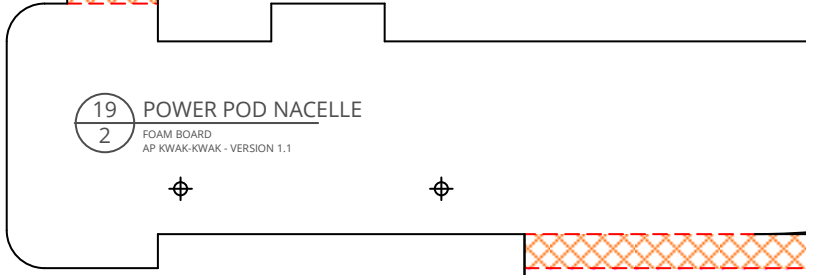
45° DOUBLE BEVEL

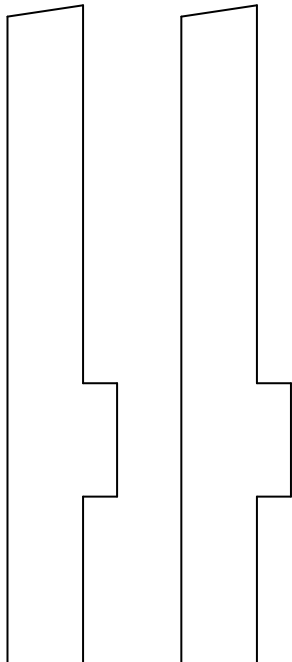
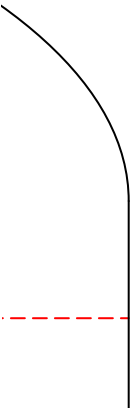
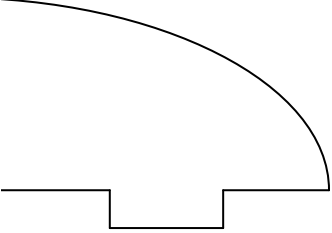
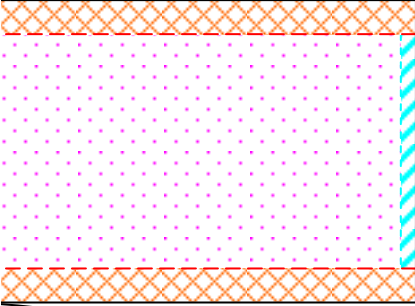
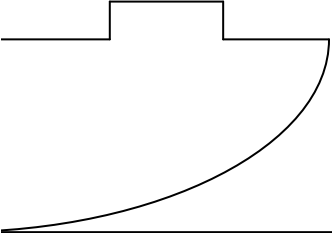
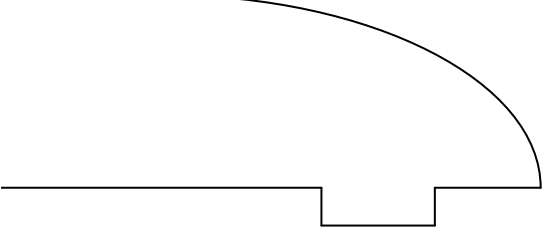
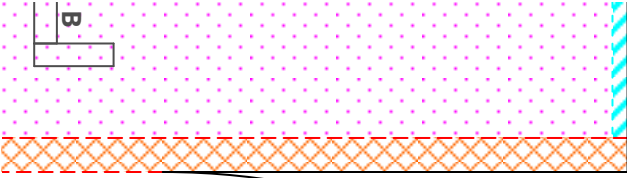


G1



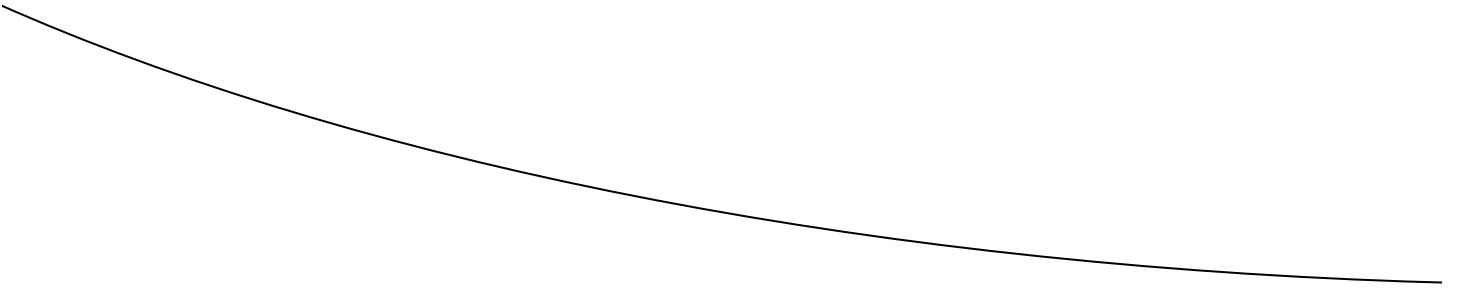
19 POWER POD NACELLE
2 FOAM BOARD
AP KWAK-KWAK - VERSION 1.1

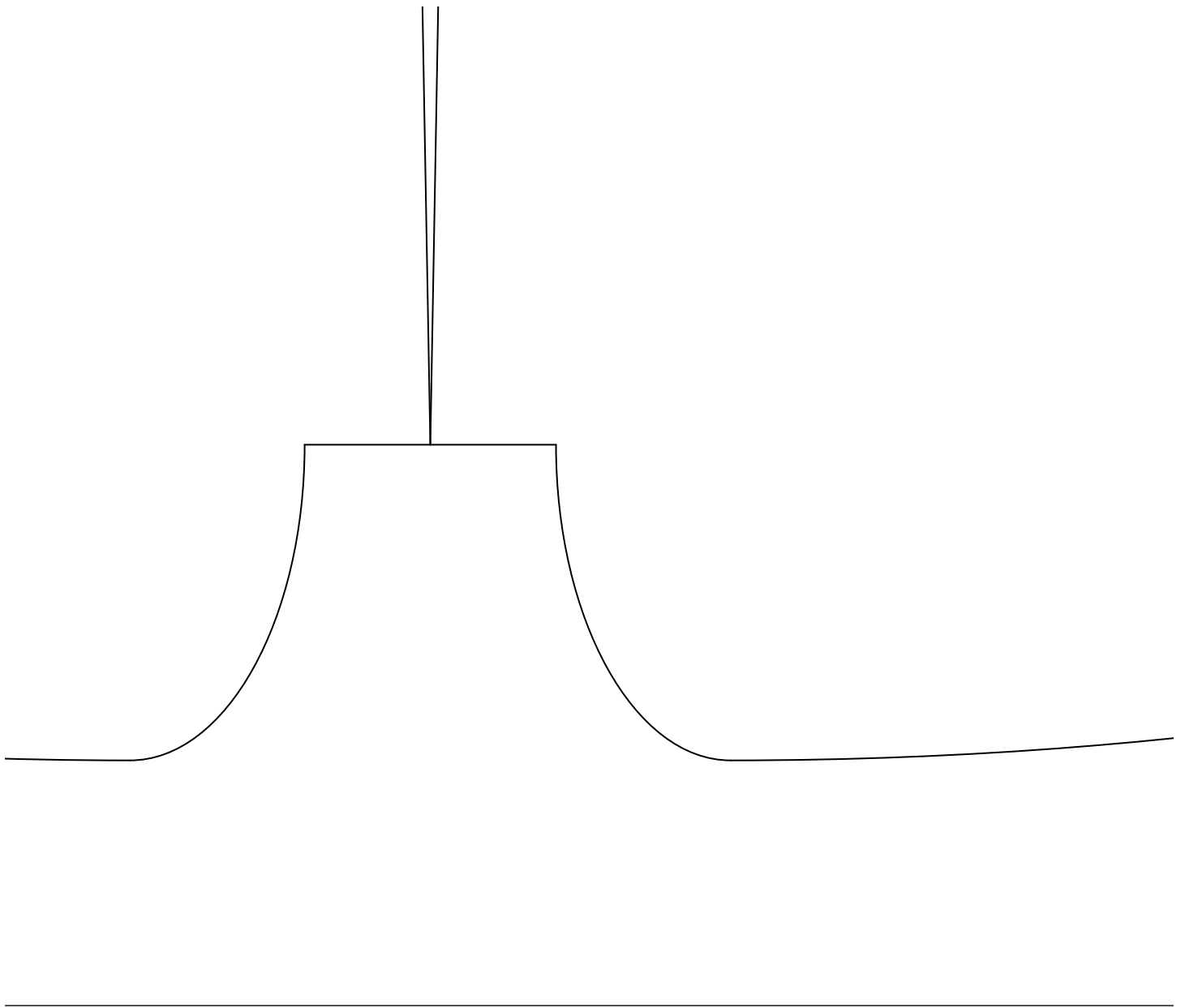


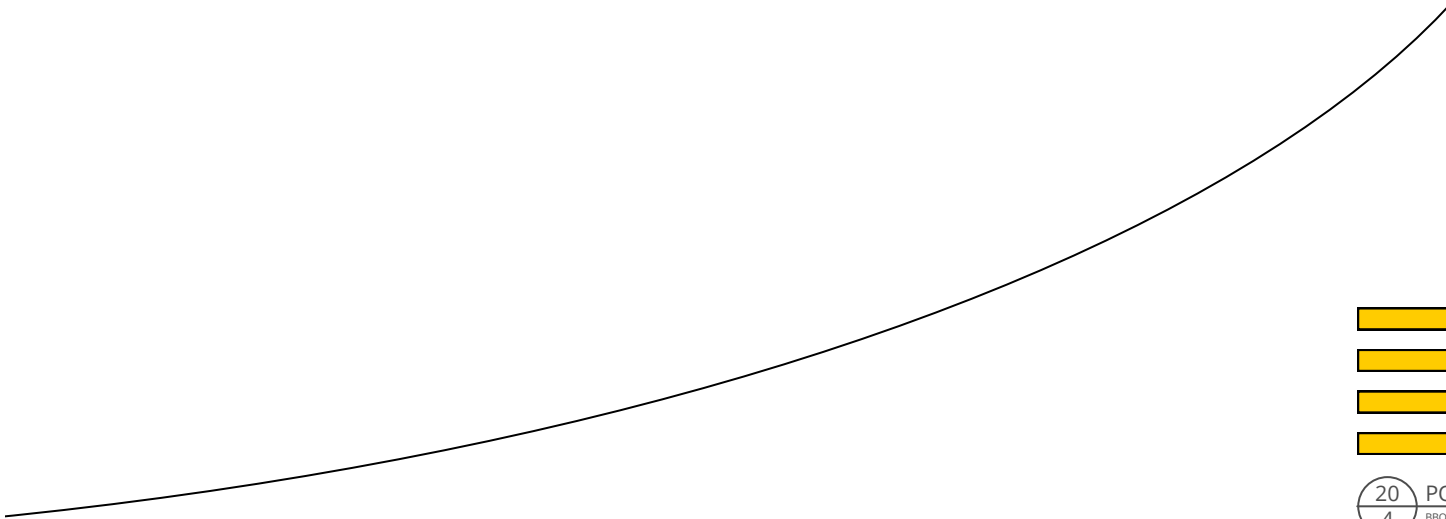




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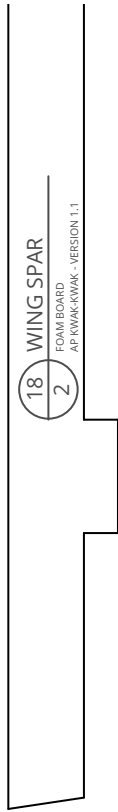
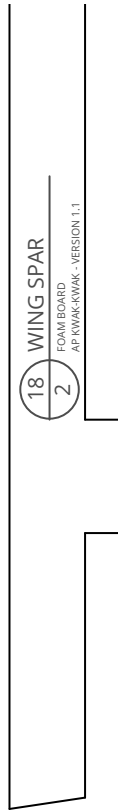




20 PC
4 BBQ
AP K



POWDER POD PIN
SKEWER
WAK-KWAK - VERSION 1.1



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