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FT Simple Cub

Designed By: Josh Bixler
Drawing By: Dan Sponholz
Version: 1.1
Date: 2017.12.07

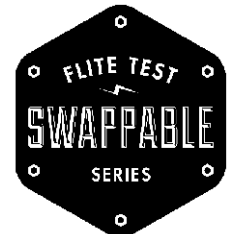


SPECIFICATIONS

DESCRIPTION		IMPERIAL	METRIC
LENGTH		30.5 in	775 mm
CENTER OF GRAVITY	CG	1.75 in	45 mm
WING SPAN		38 in	965 mm
WING AREA		302 in ²	19.5 dm ²
DRY WEIGHT		14.4 oz	408 g
ALL UP WEIGHT	AUW	17.25 oz	489 g
WING LOADING	WL	8.23 oz/ft ²	25.1 g/dm ²
WING CUBIC LOADING	WCL	5.7	

RECOMMENDED SETTINGS

	THROW	EXPO
AILERON	12°	30%
ELEVATOR	12°	30%
RUDDER	12°	30%



Build Skill Level :



Pilot Skill Level :





FT Simple Cub: Sheet & Tile Key

1	2	3	4	17	18	19	20
5	6	7	8	21	22	23	24

25	26	27	28	41	42	43	44
29	30	31	32	45	46	47	48

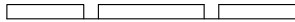
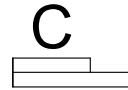
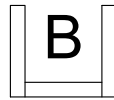
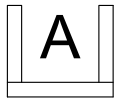
49	50	51	52	65	66	67	68
53	54	55	56	69	70	71	72



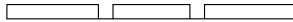
DRAWING KEY



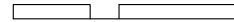
FOLD TYPES



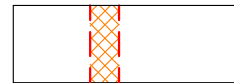
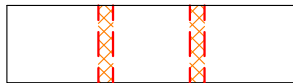
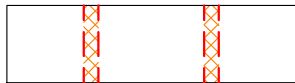
A - FOLD (ABOVE)



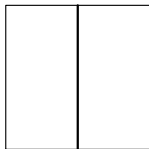
B - FOLD (BESIDE)



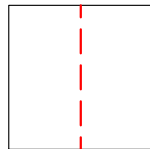
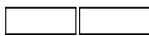
C - FOLD (COVER)



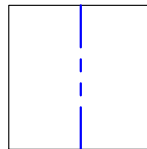
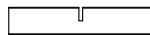
LINE TYPE/COLOR



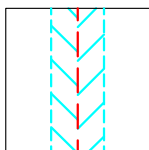
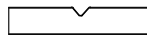
CUT



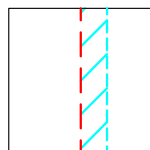
50% SCORE



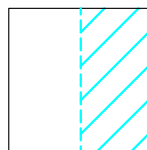
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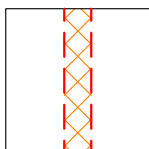
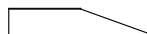
45° DOUBLE BEVEL



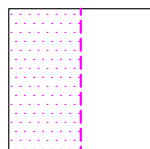
45° SINGLE BEVEL



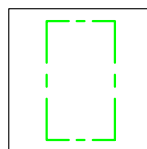
EDGE BEVEL



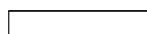
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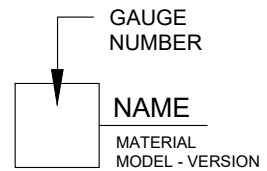
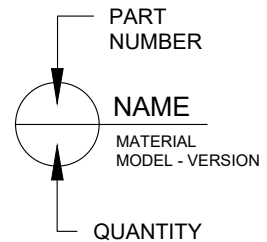
REMOVE PAPER



REFERENCE/
OPTIONAL



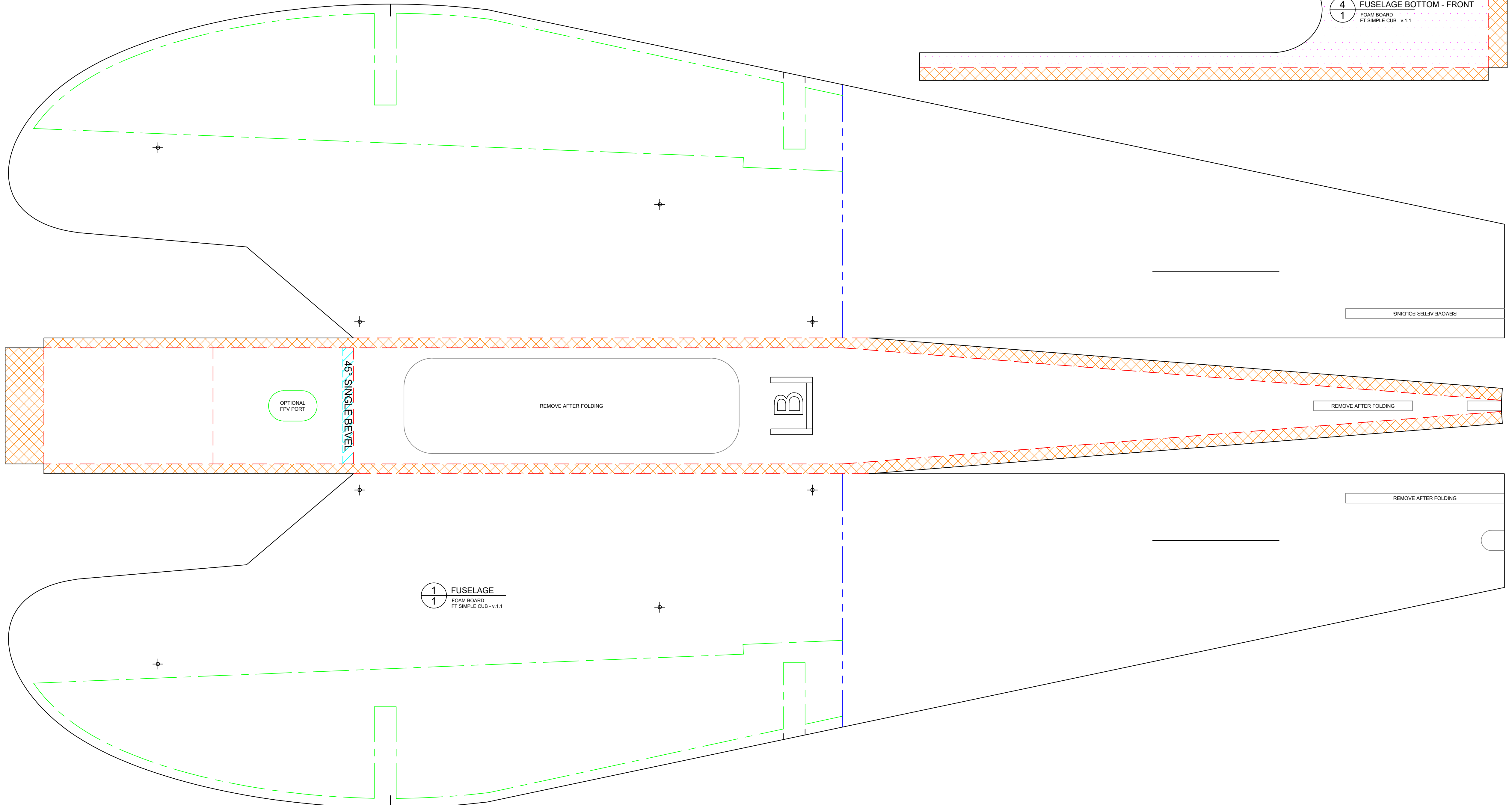
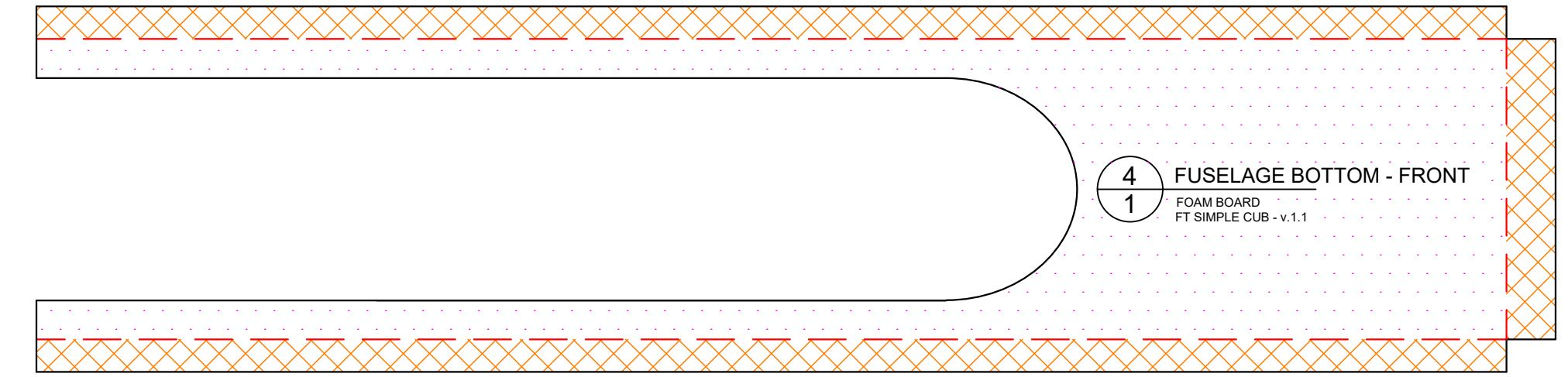
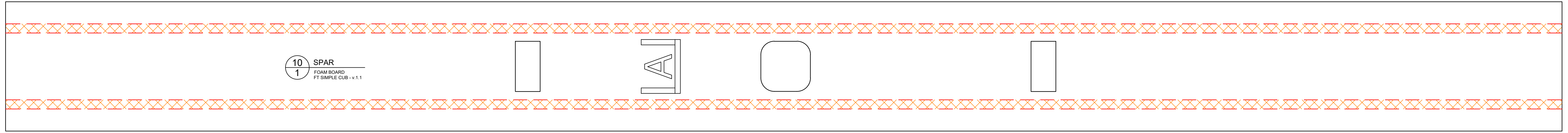
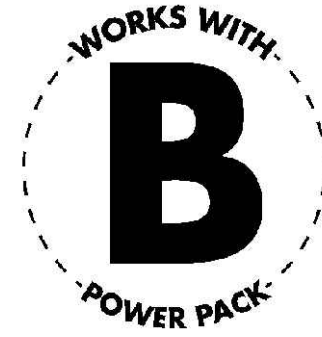
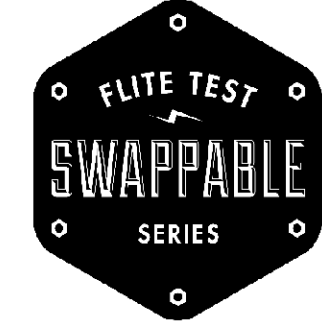
SYMBOLS



CENTER OF GRAVITY (CG)

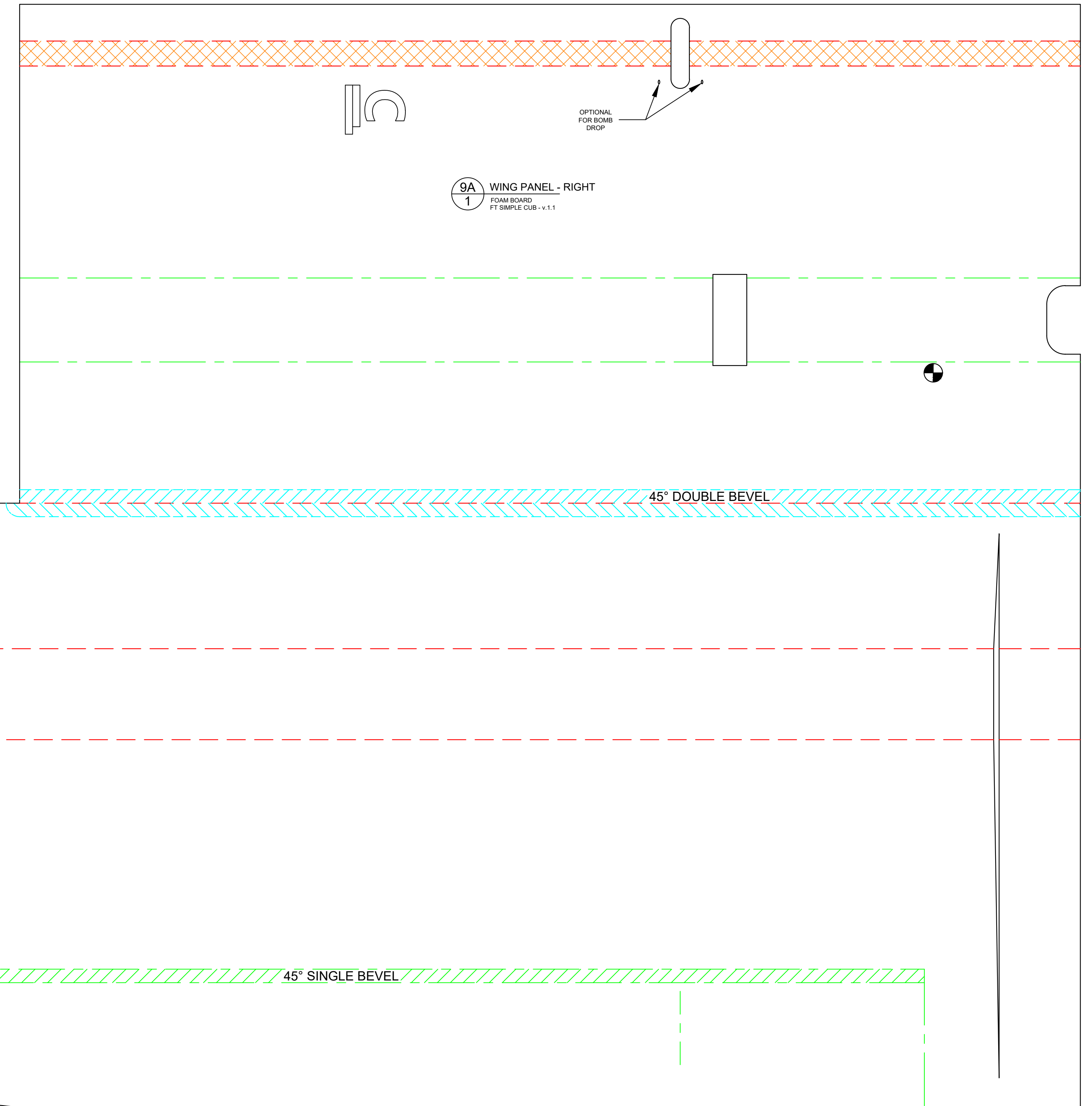
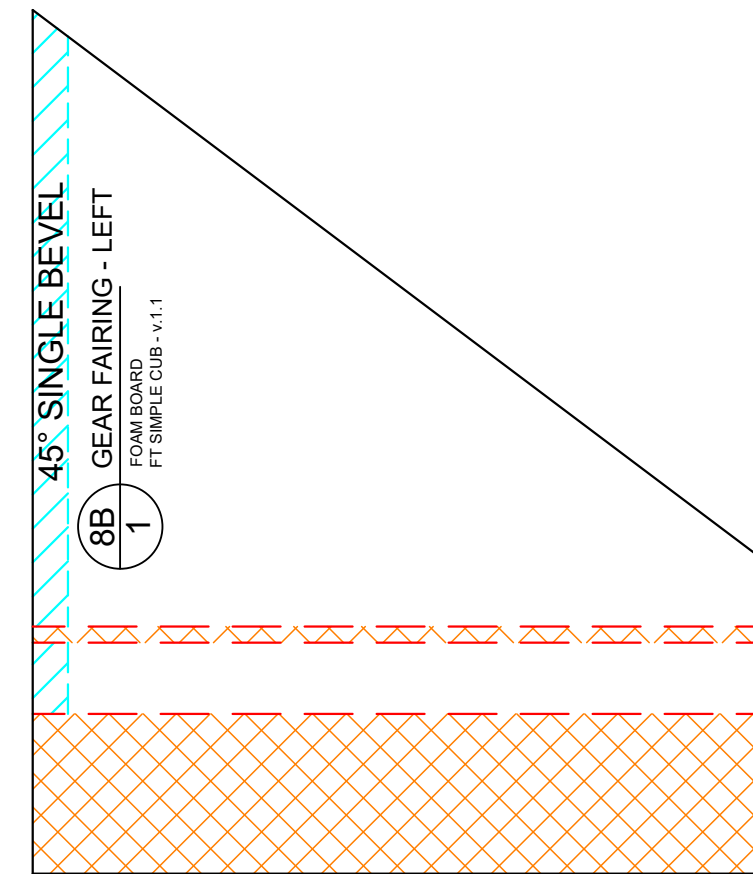
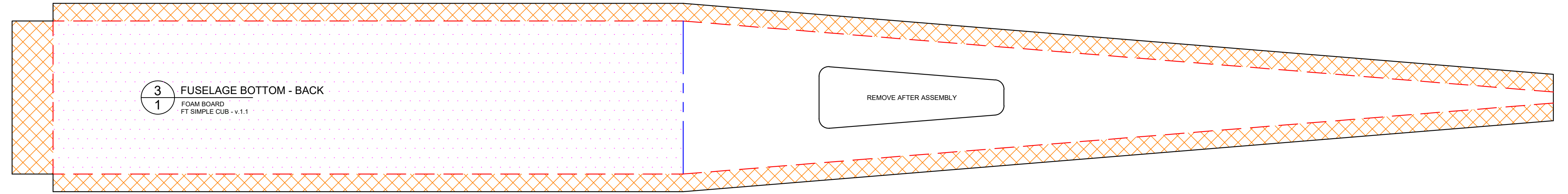
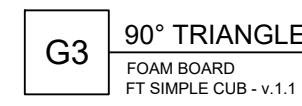
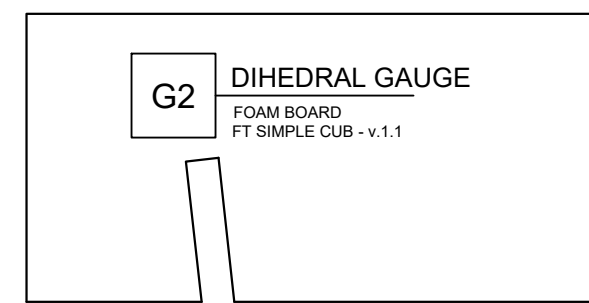
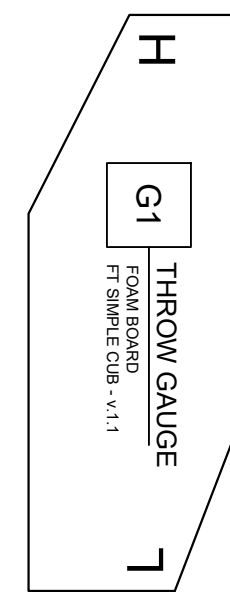
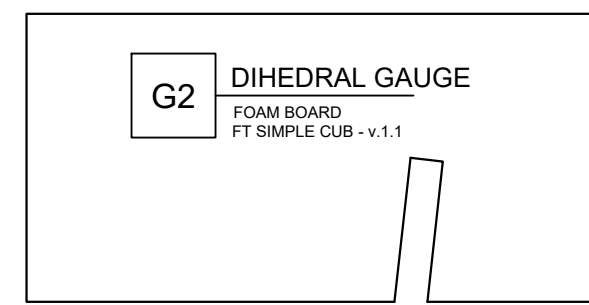
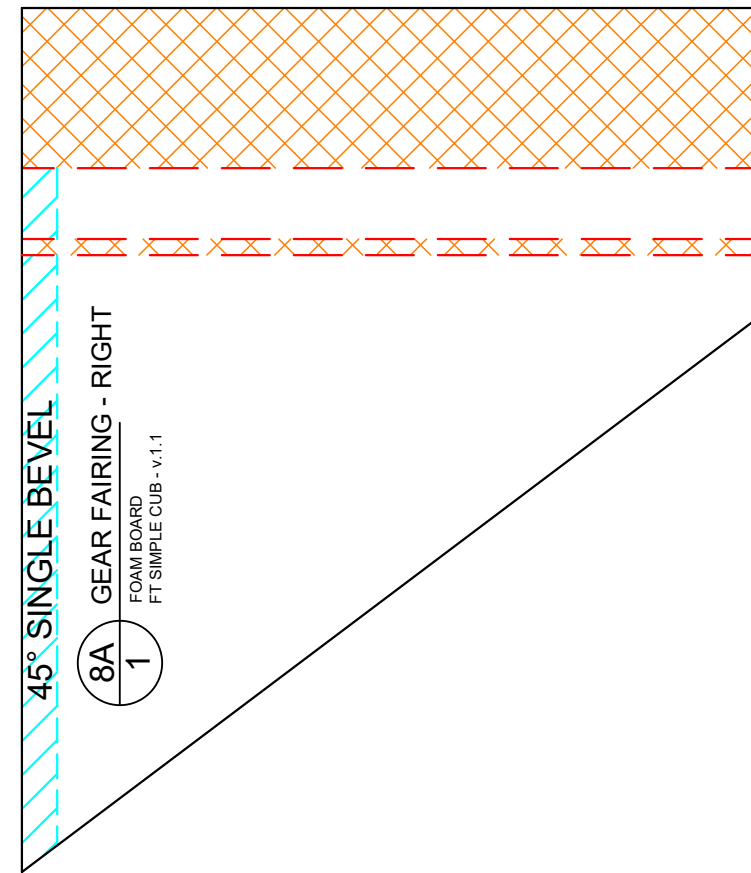
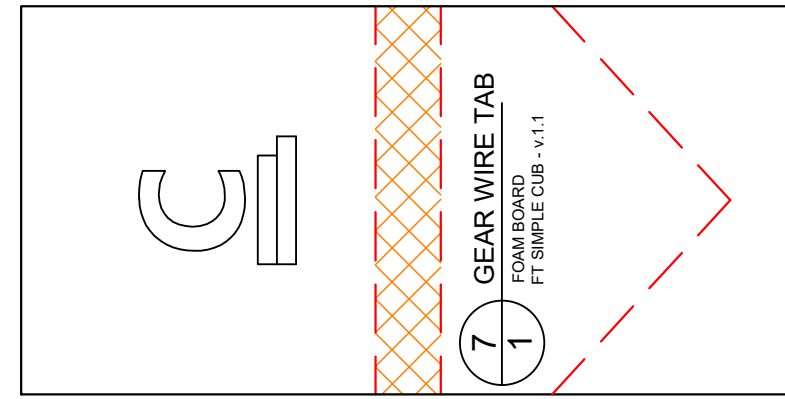
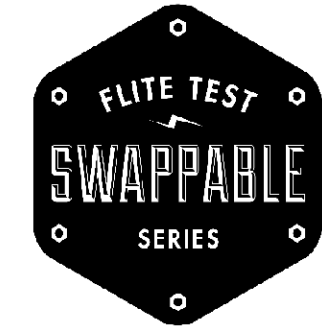
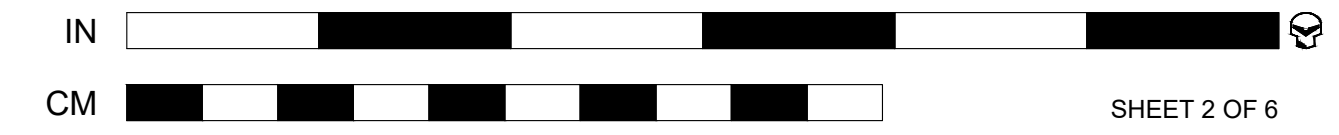
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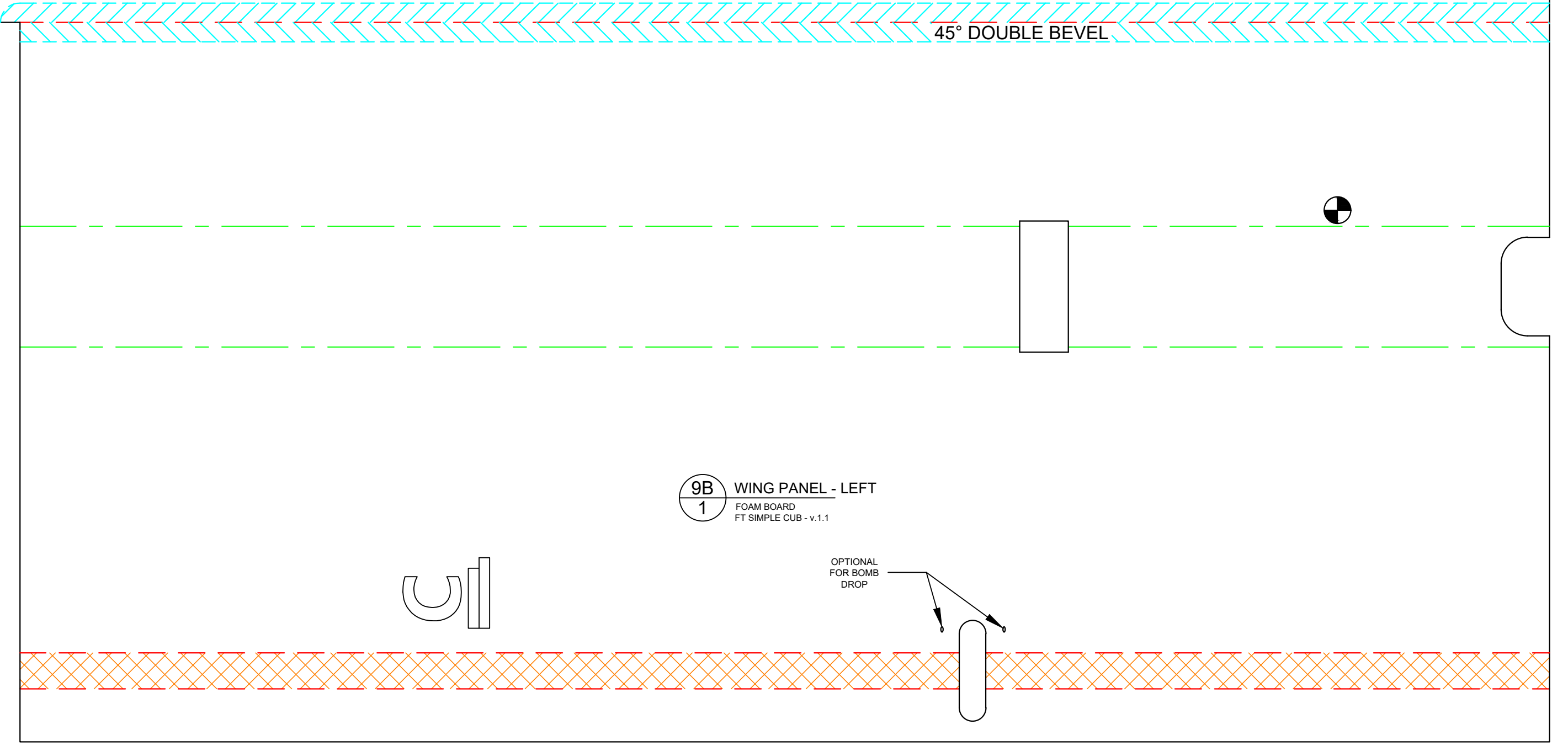
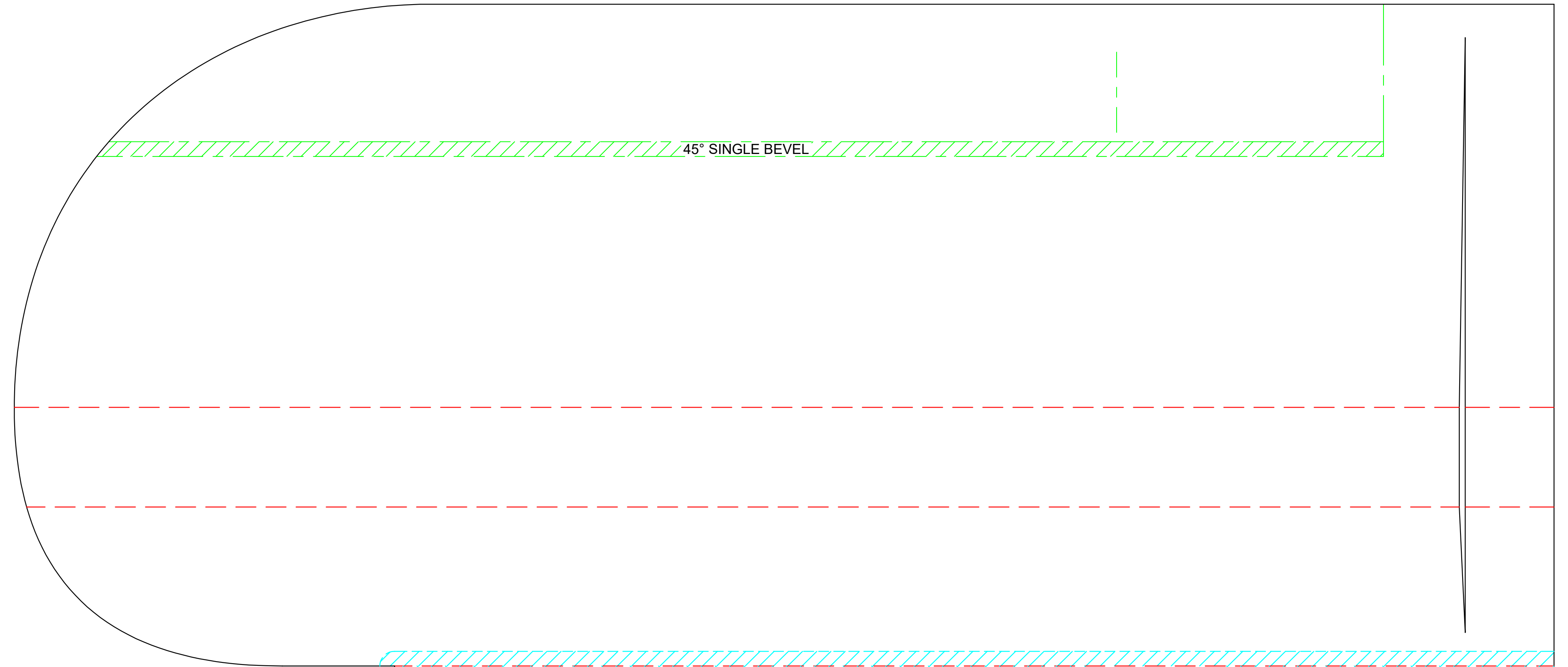
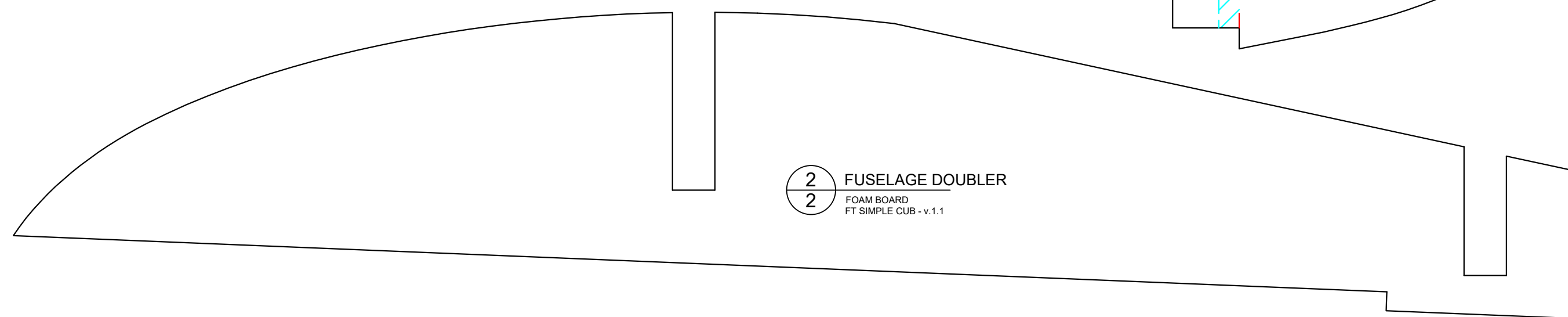
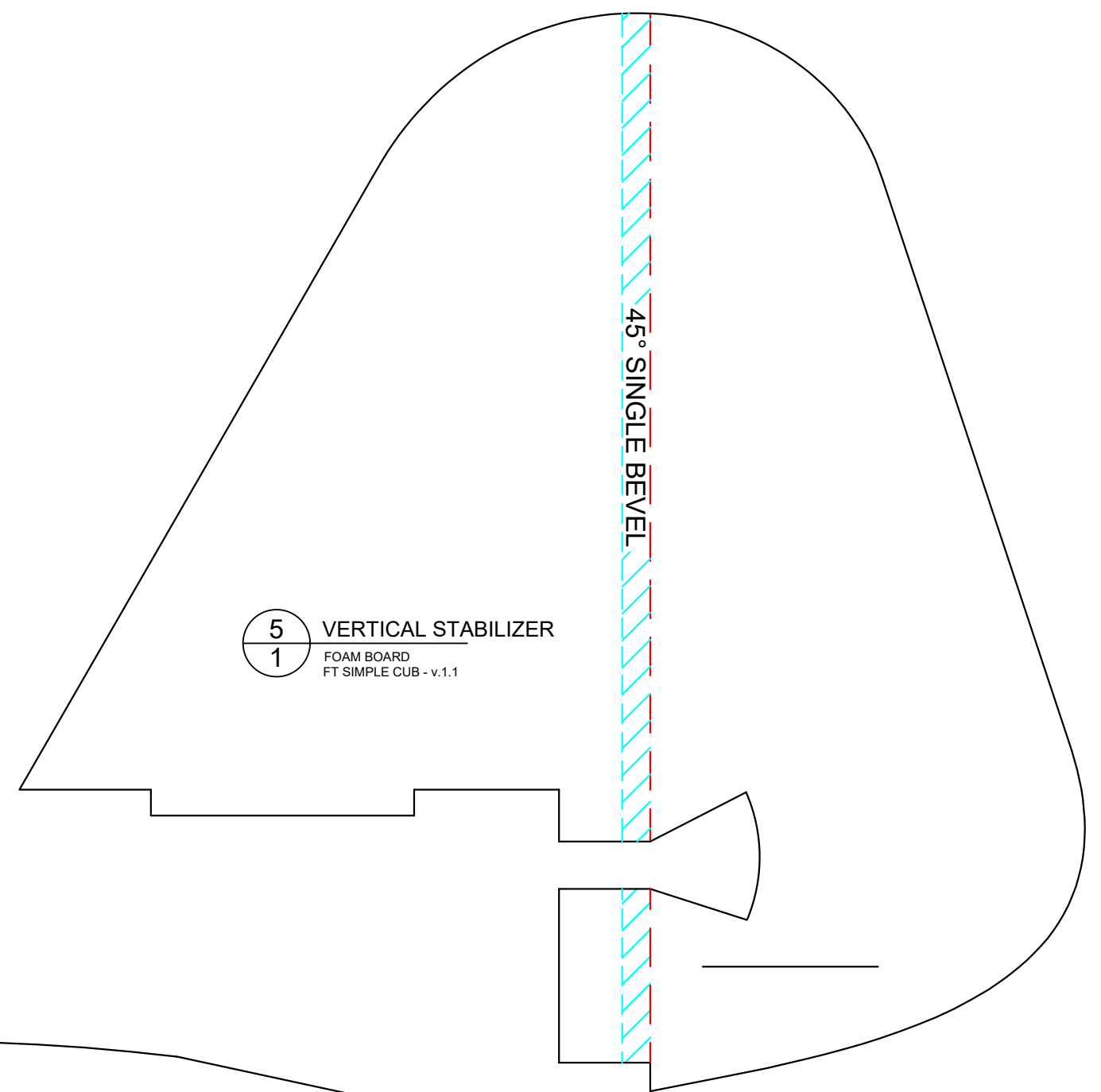
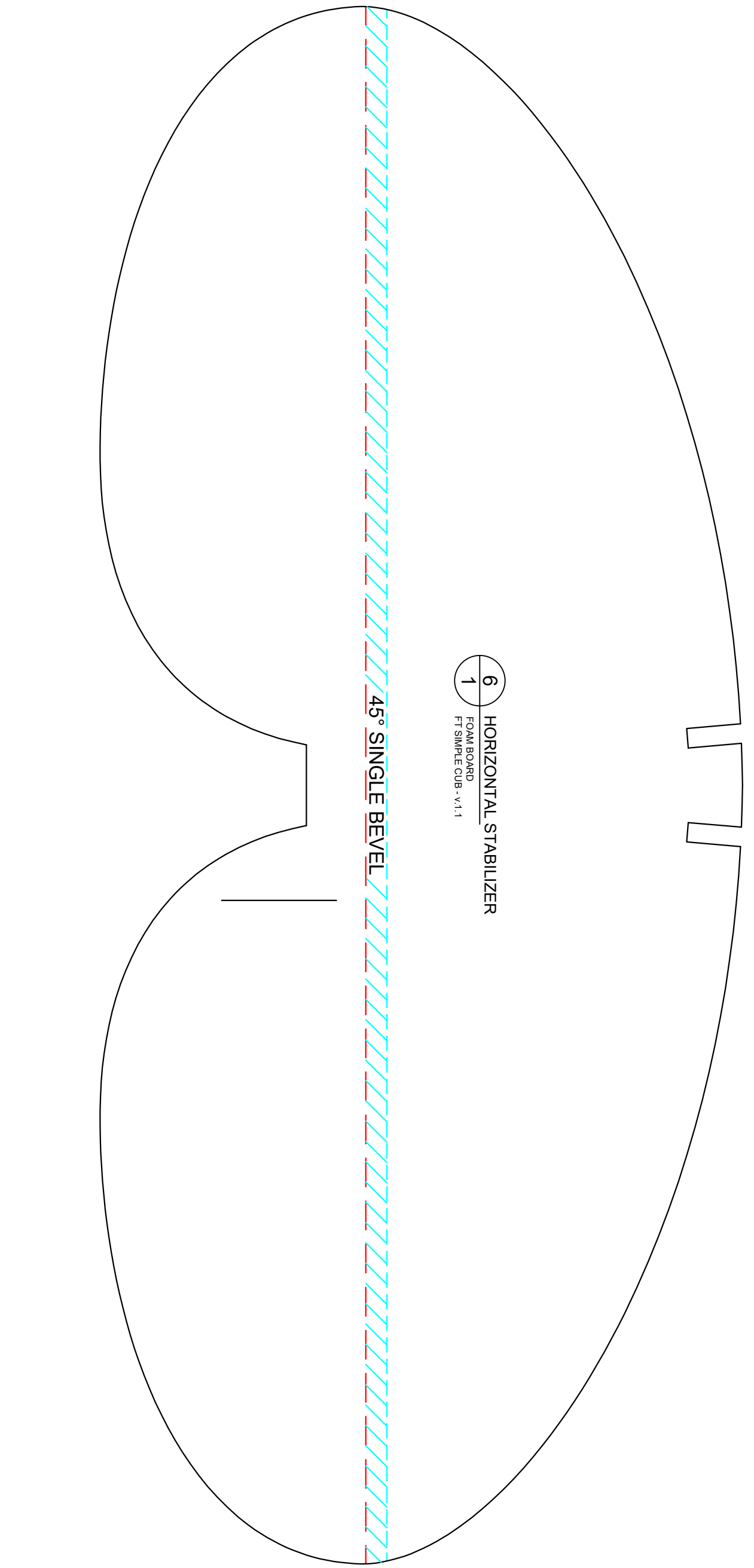
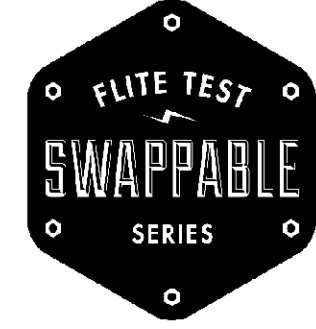
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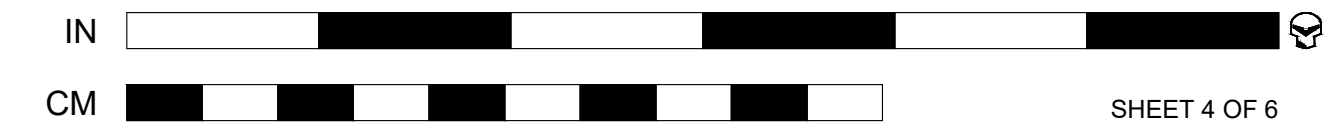
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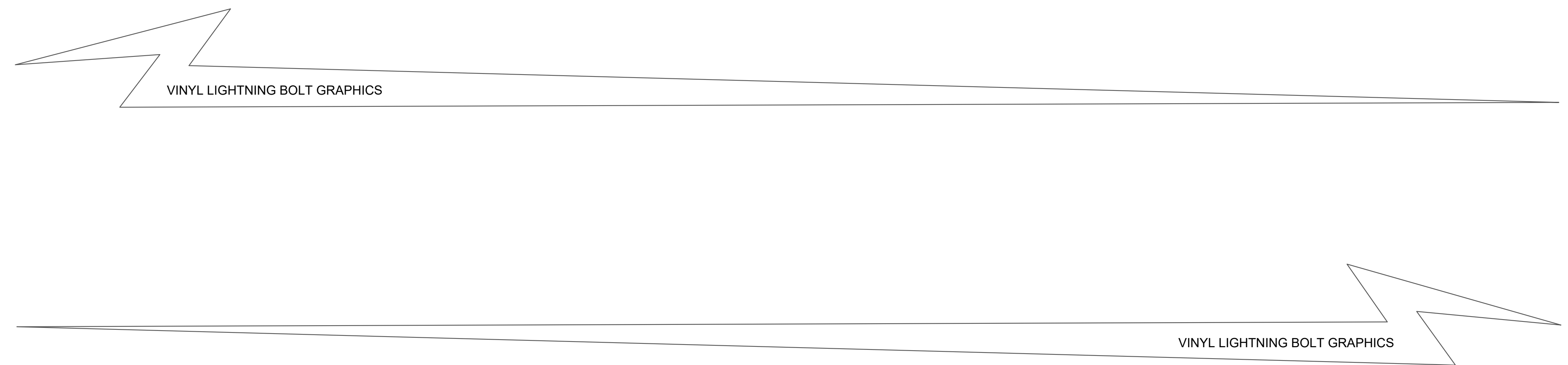
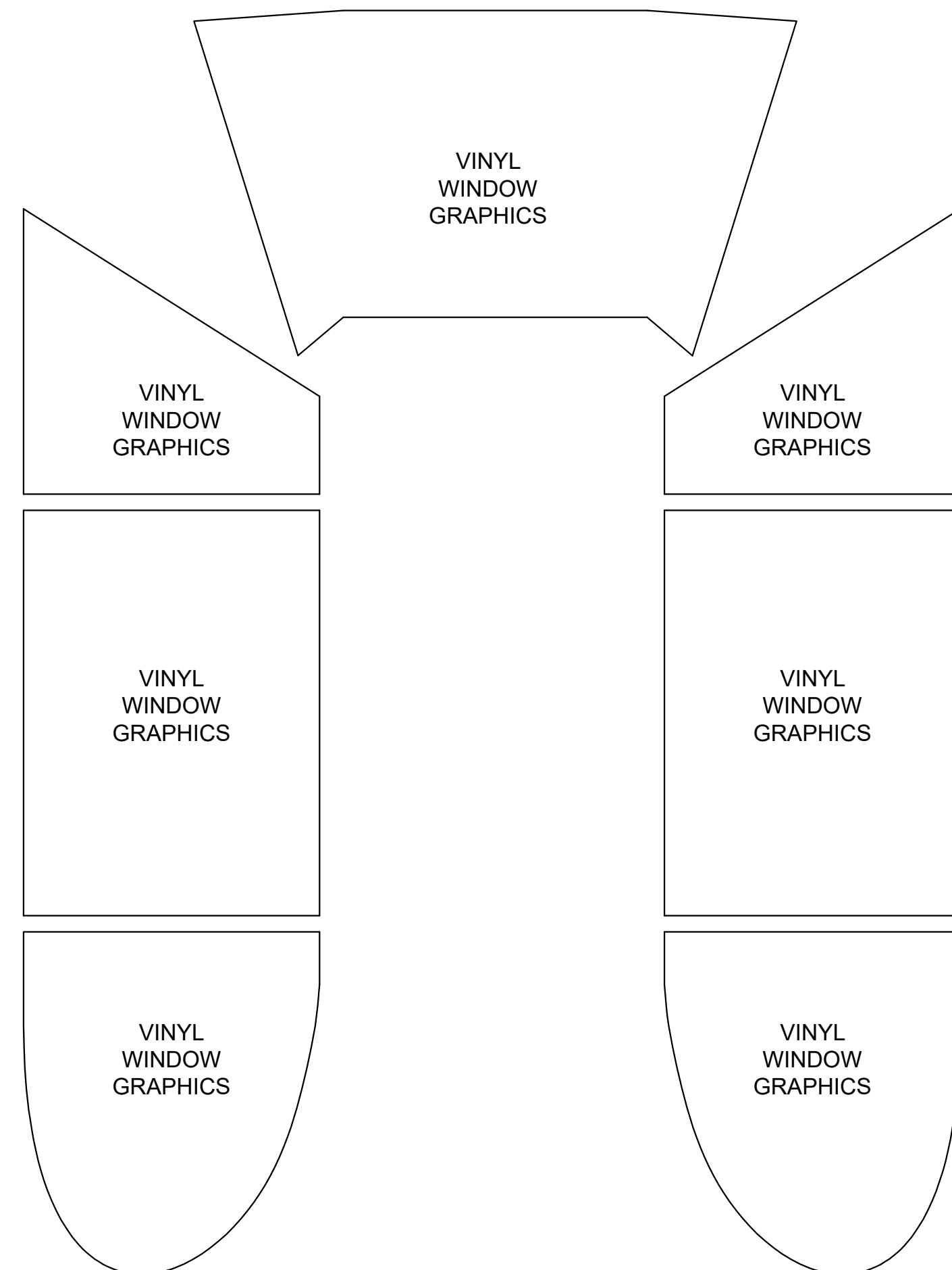
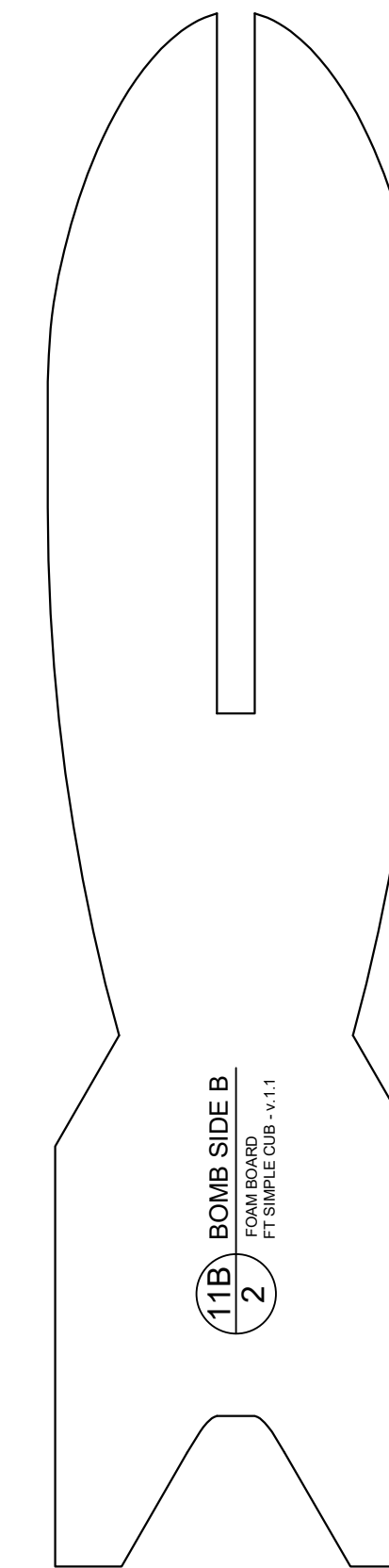
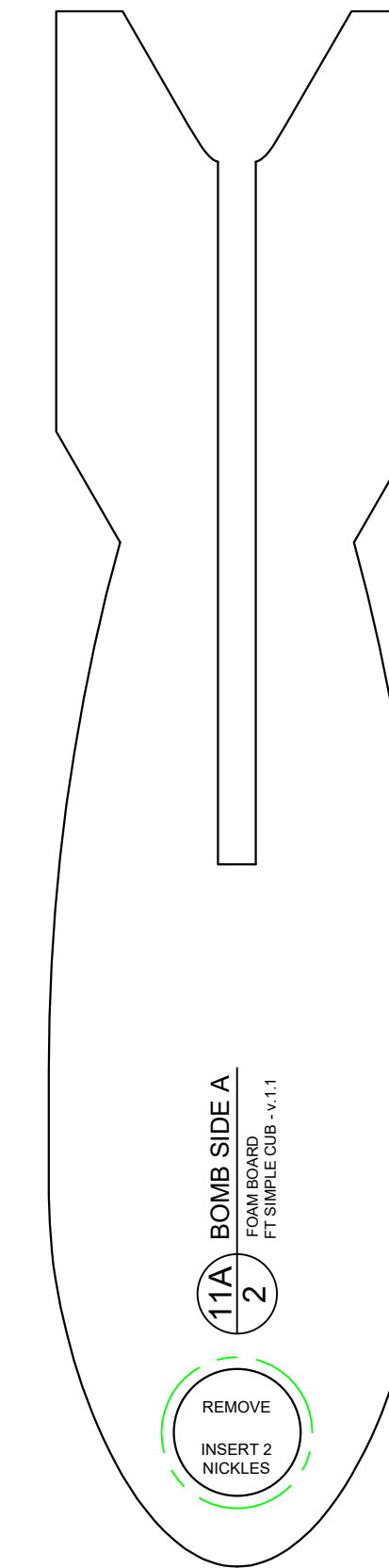
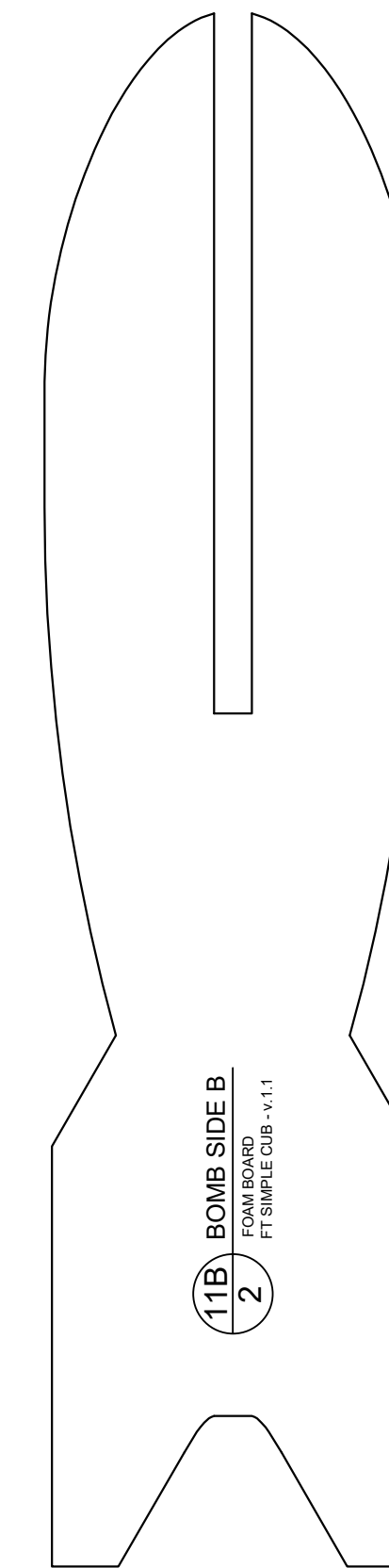
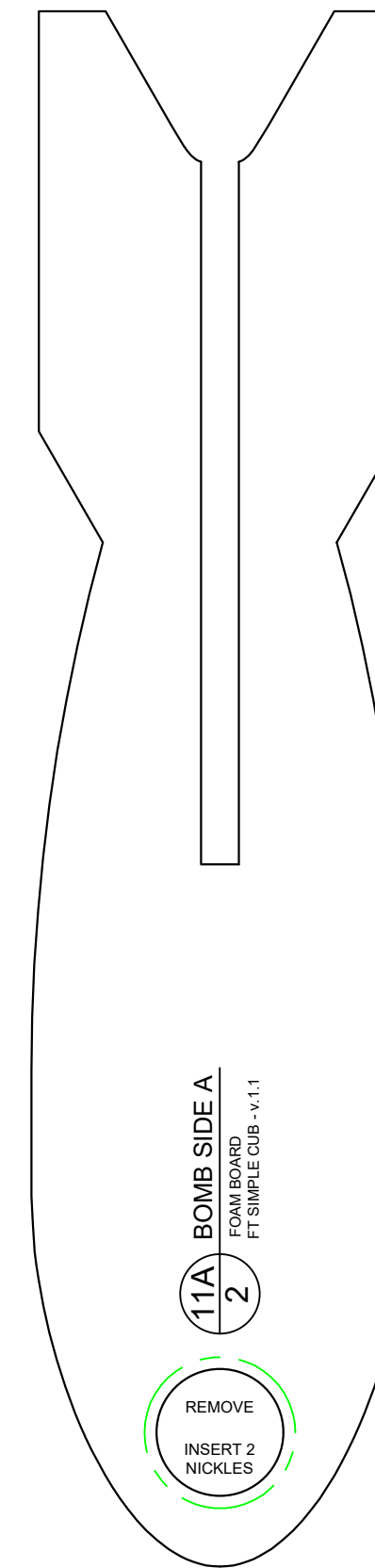
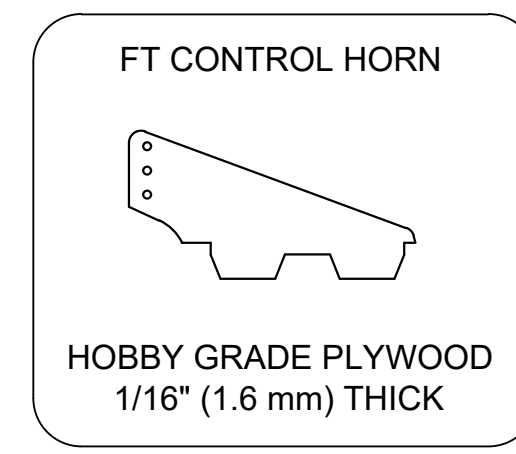
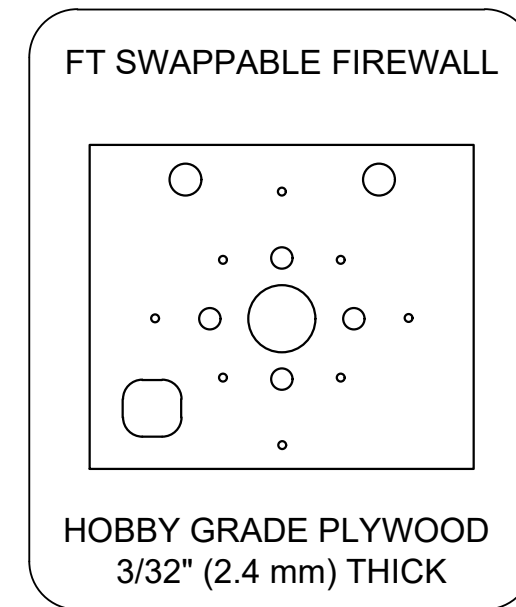
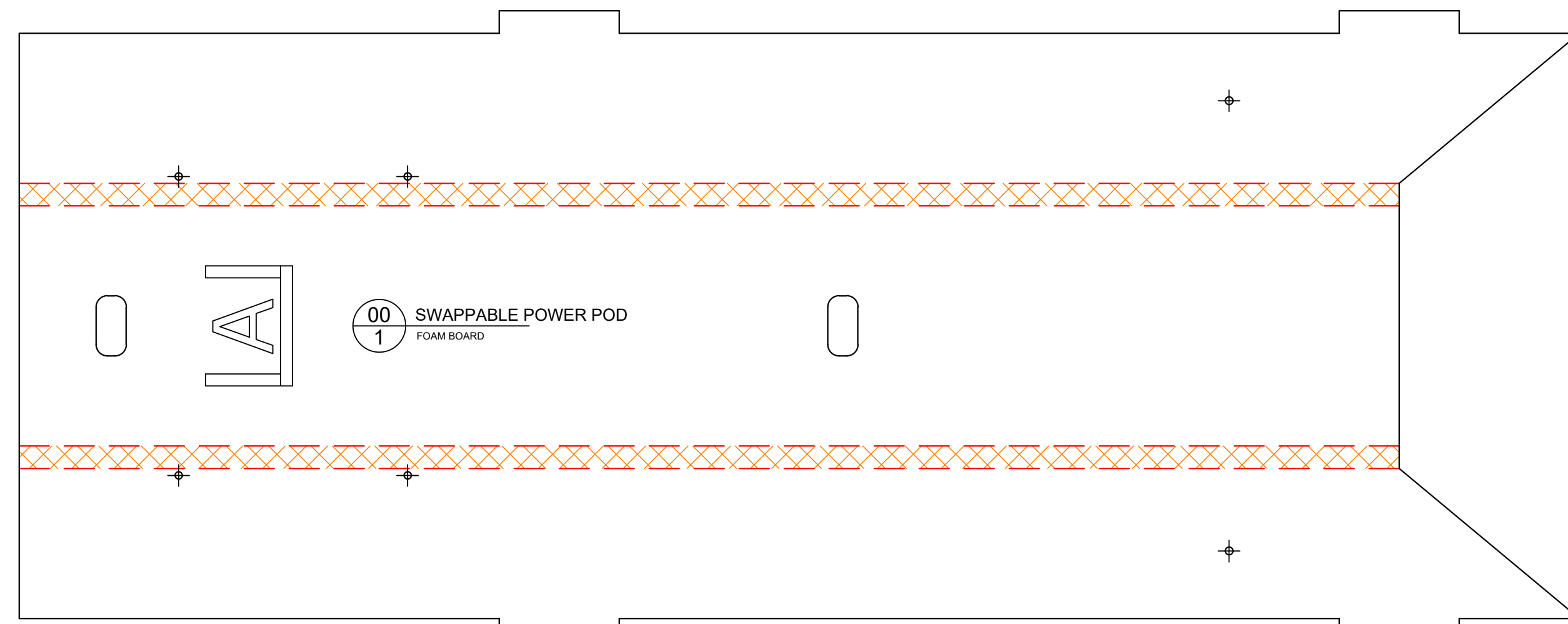
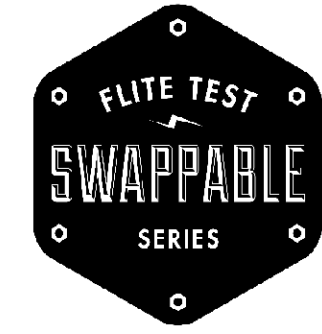


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SHEET 4 OF 6

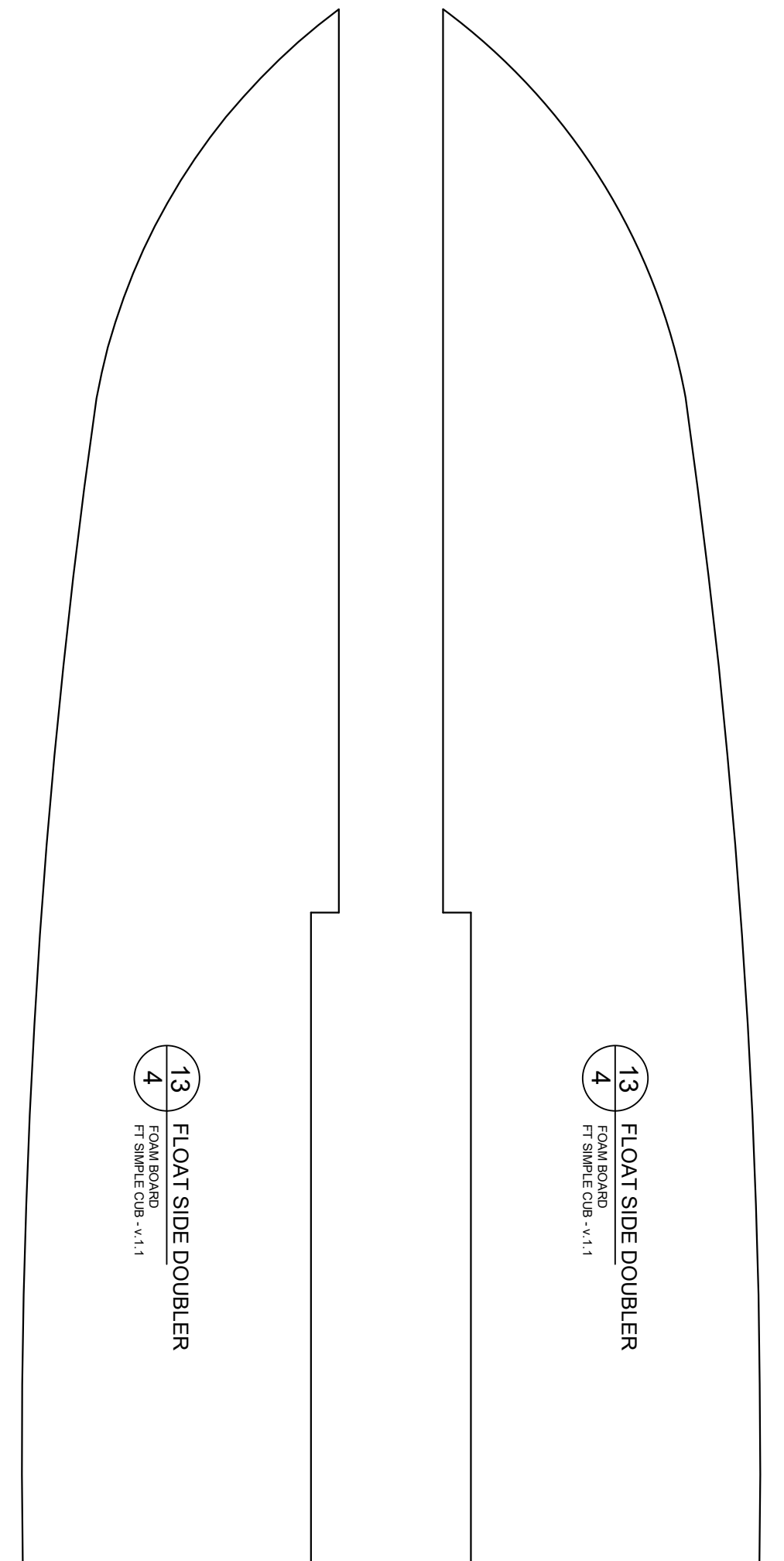
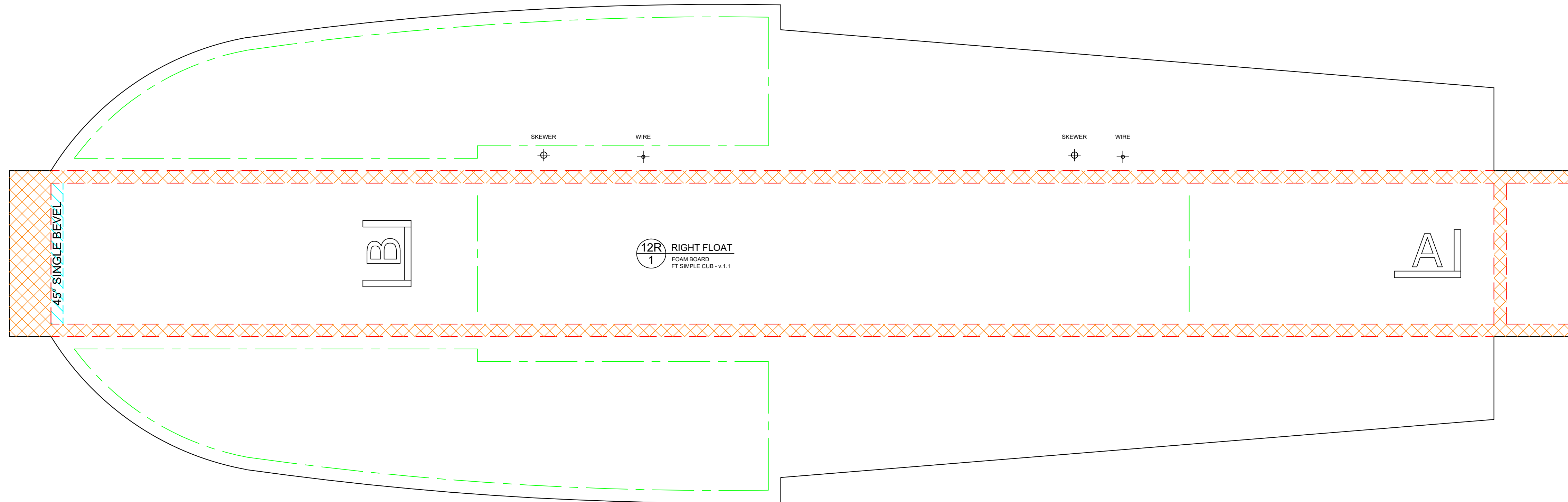
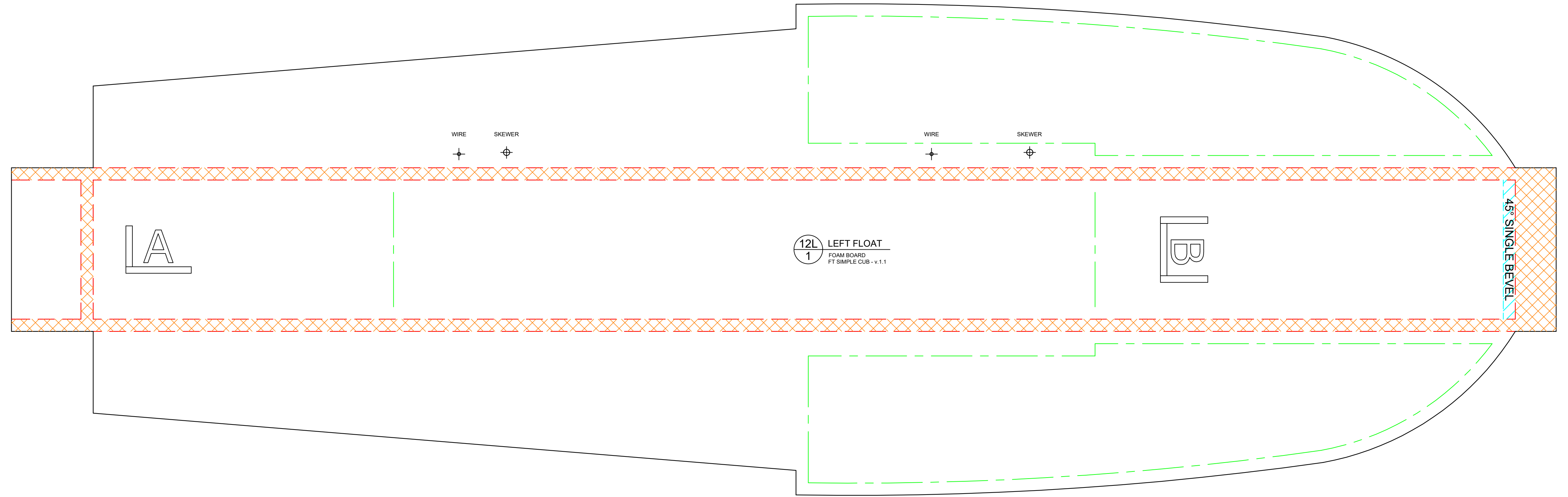
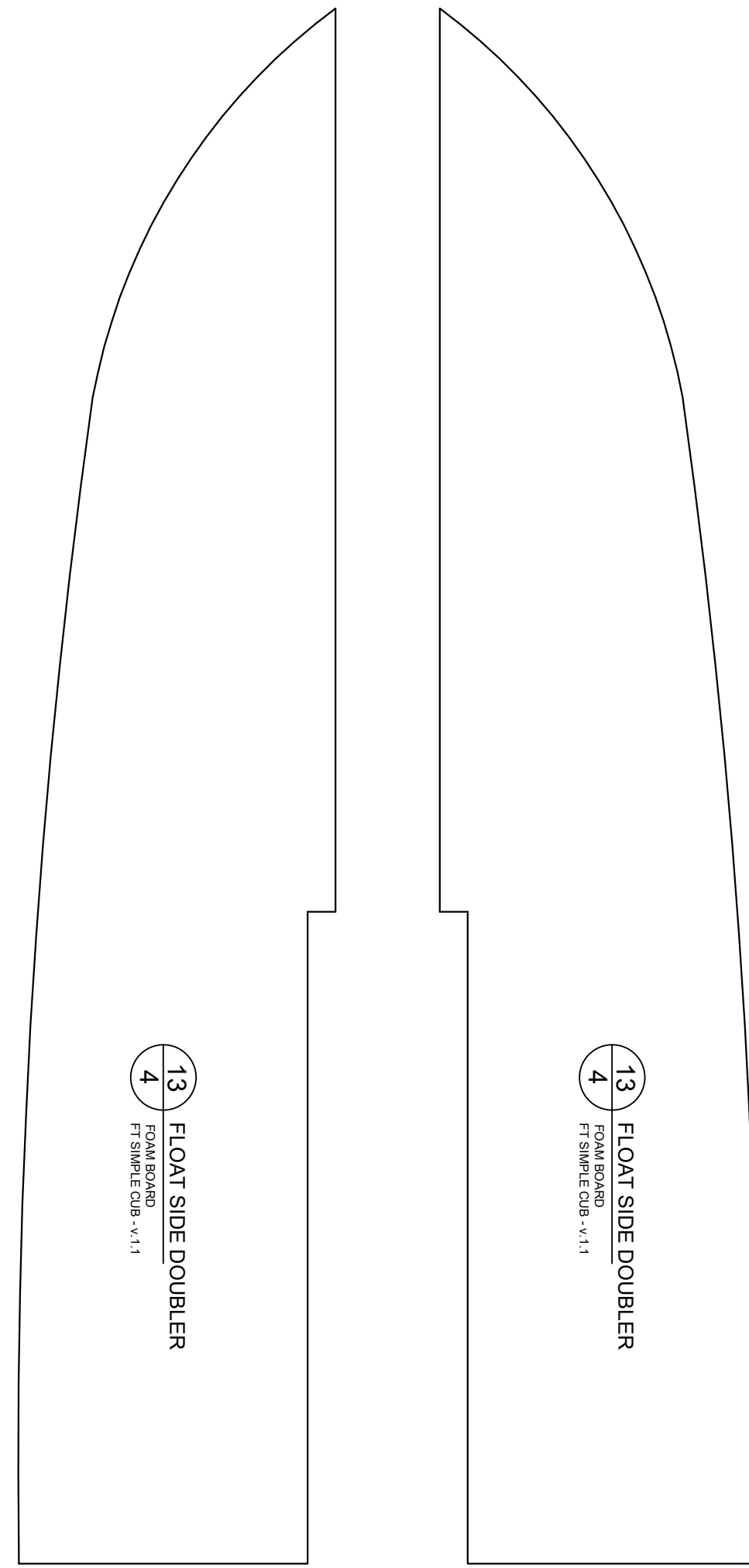
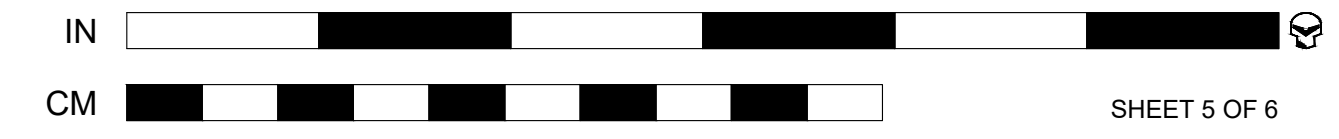
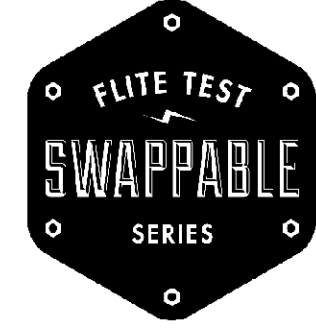


Template Version 4.0.1

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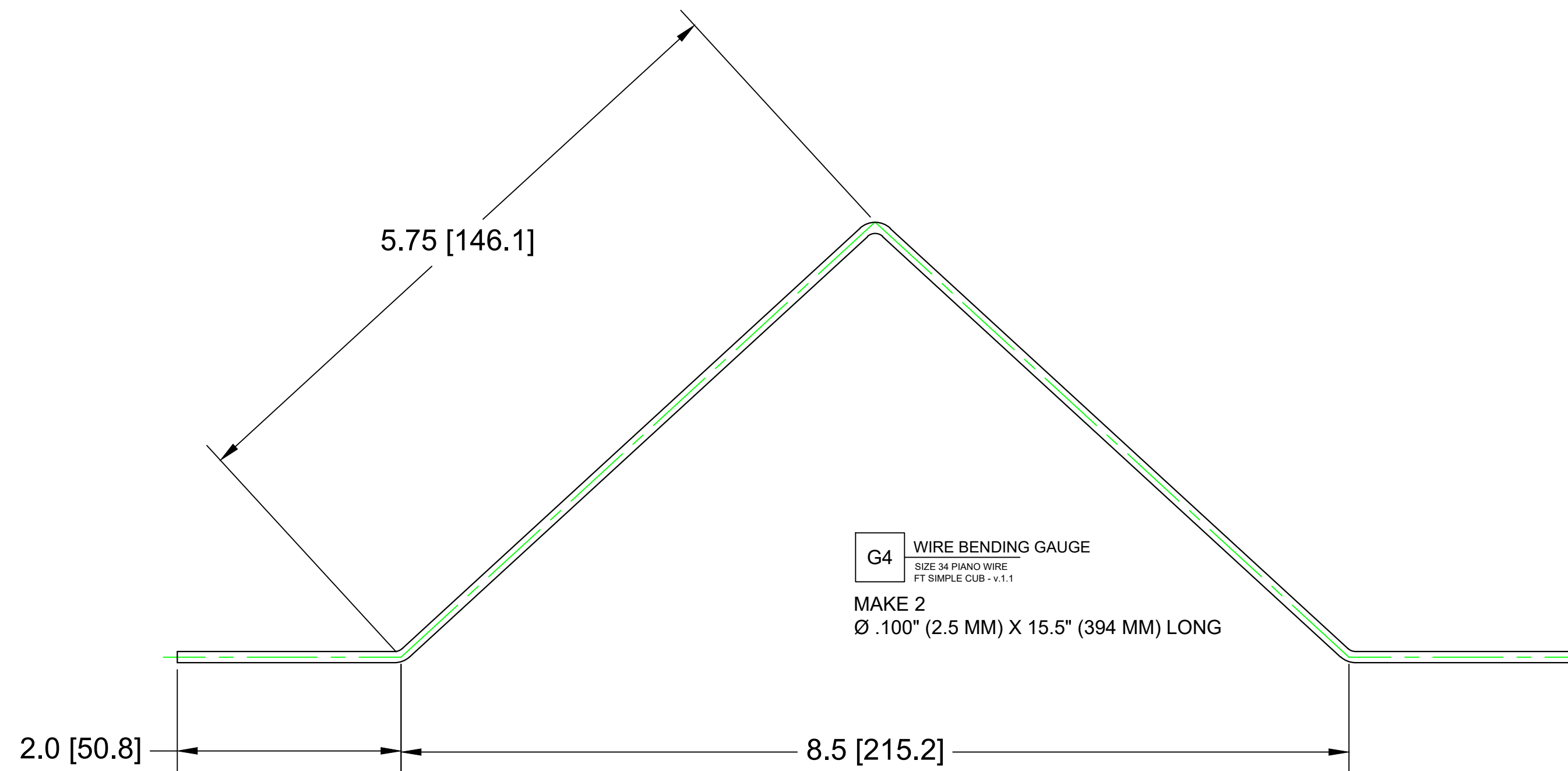
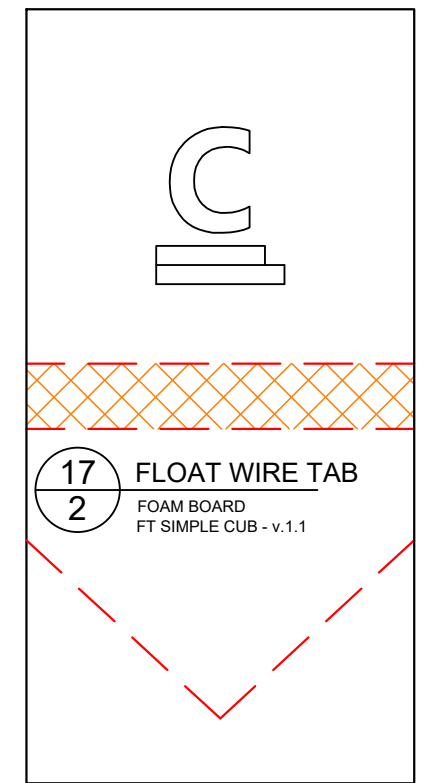
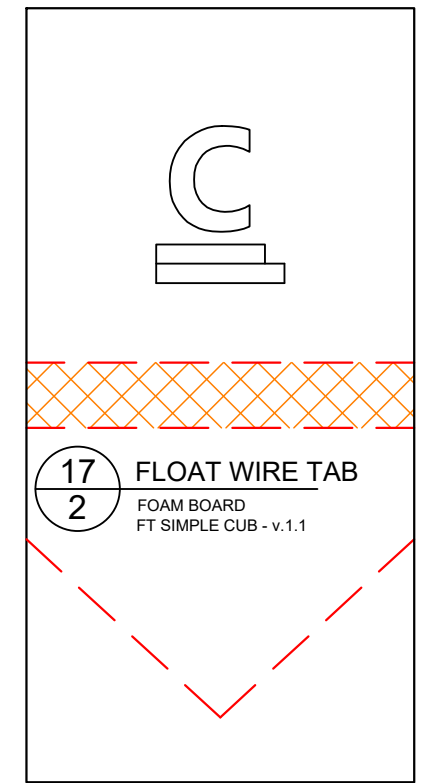
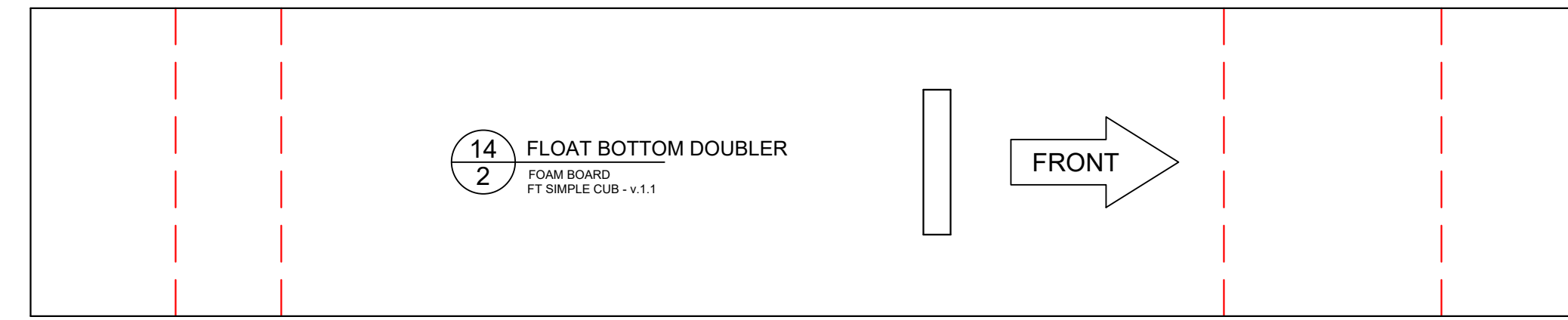
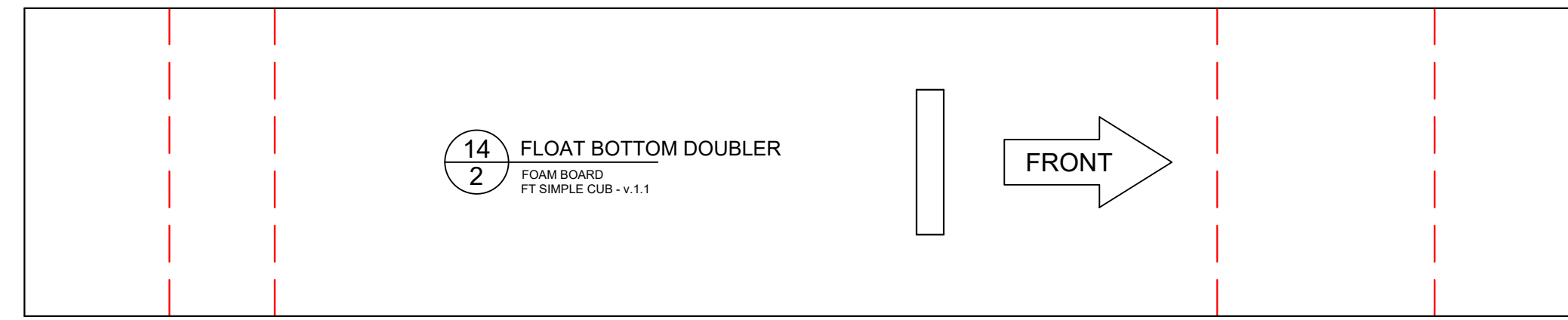
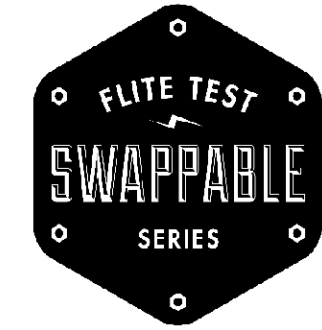
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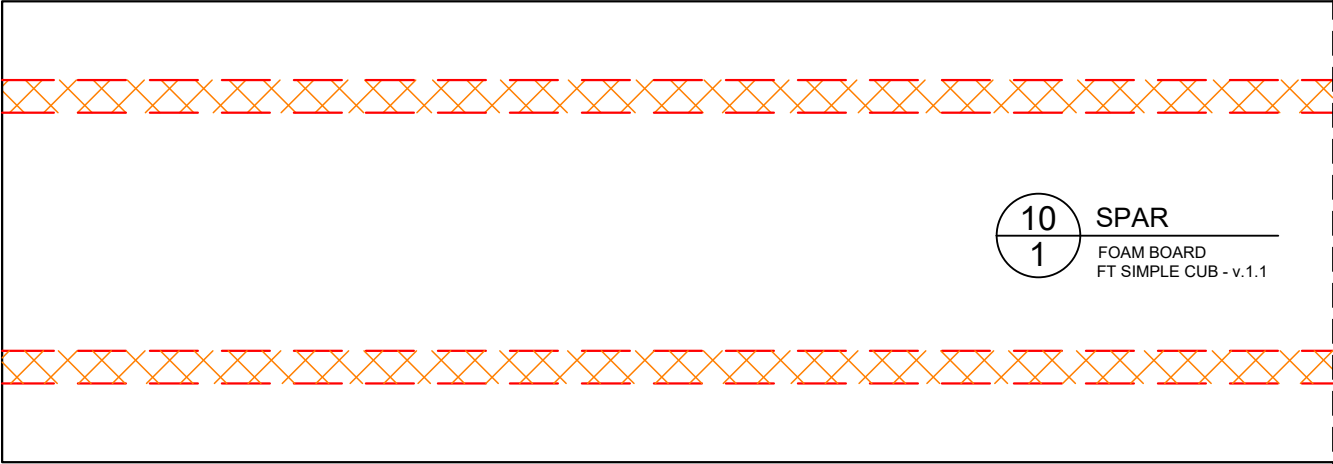
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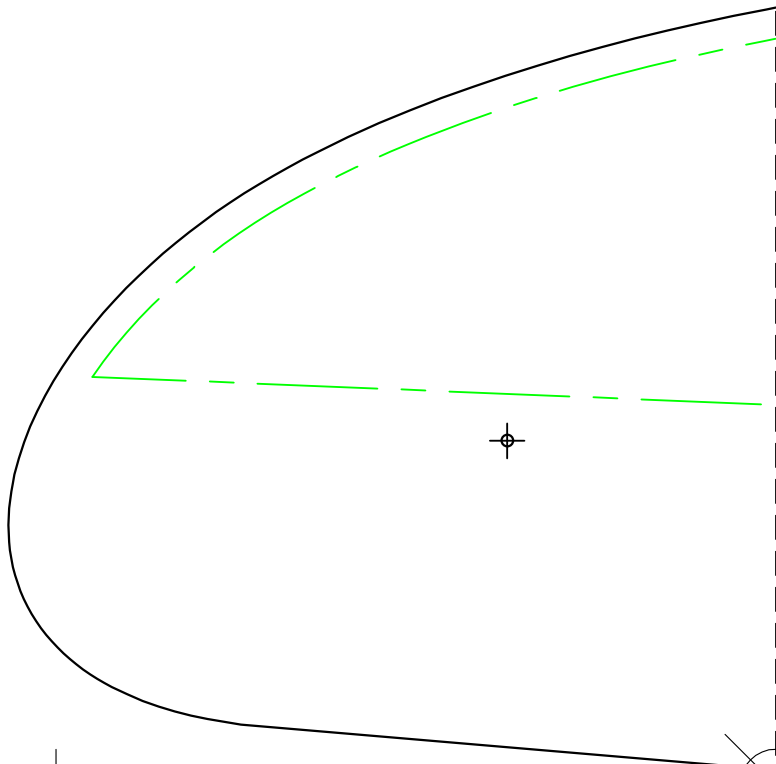




IN
CM

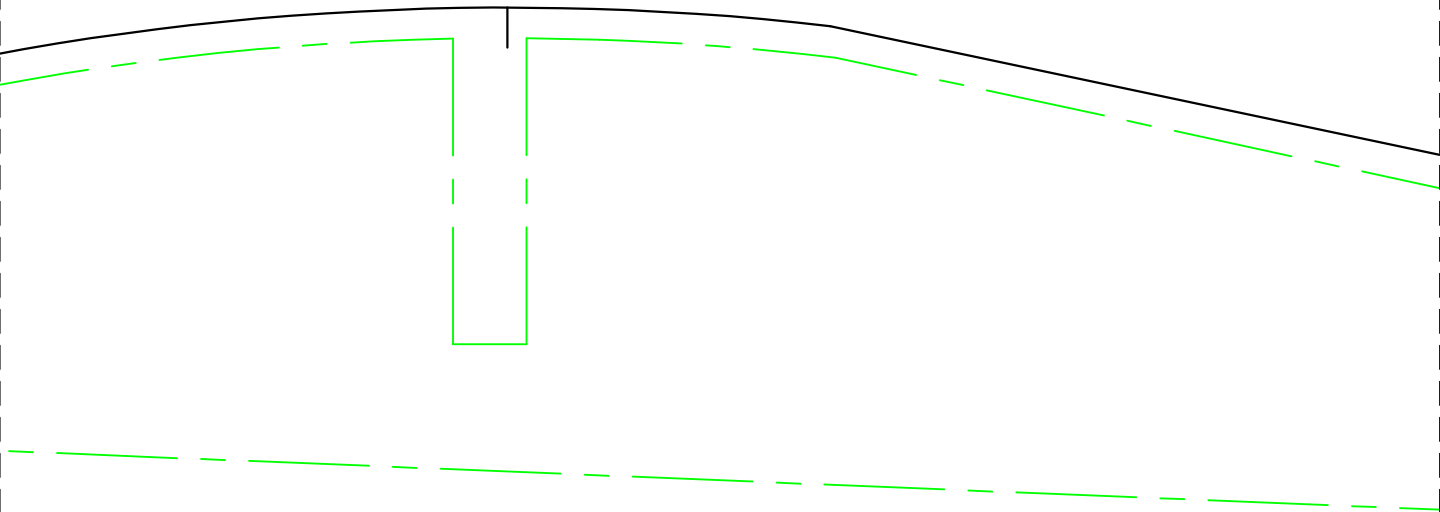
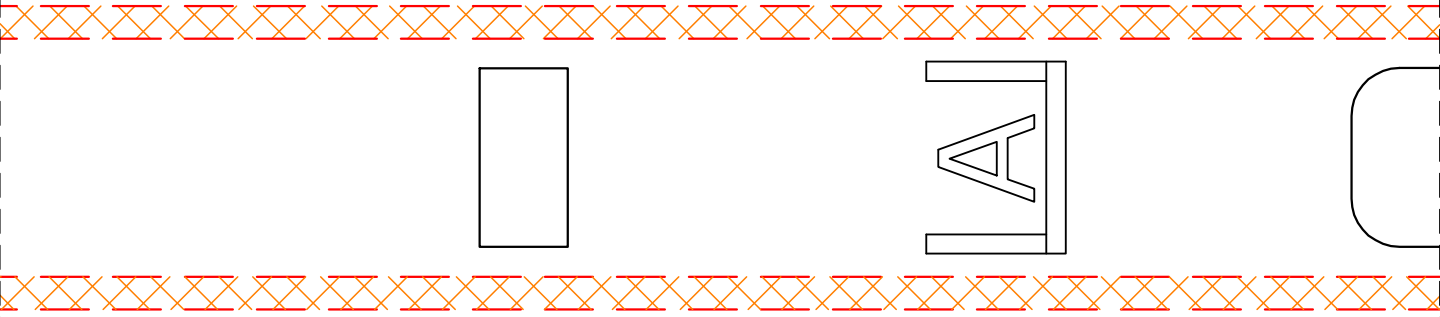


10 SPAR
1 FOAM BOARD
FT SIMPLE CUB - v.1.1



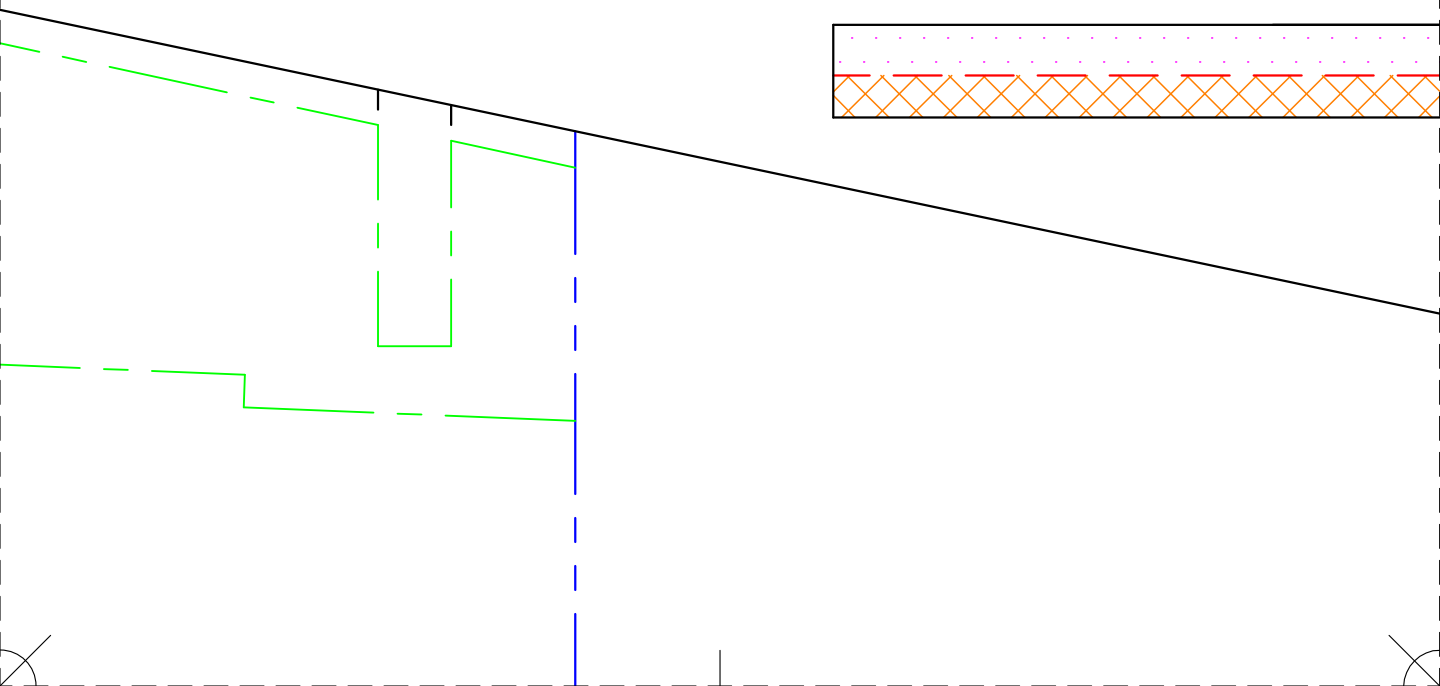
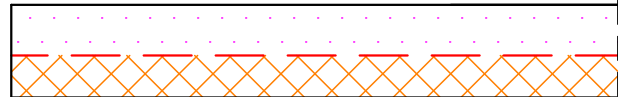
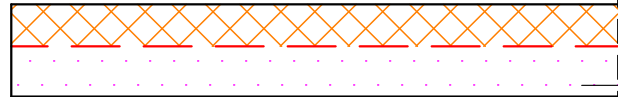
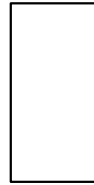


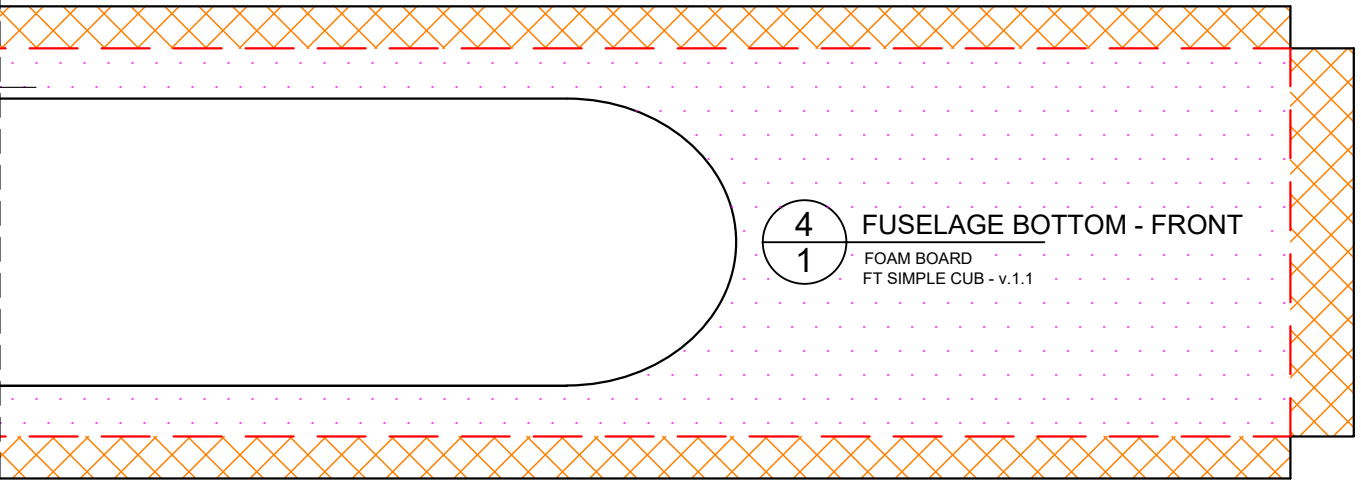
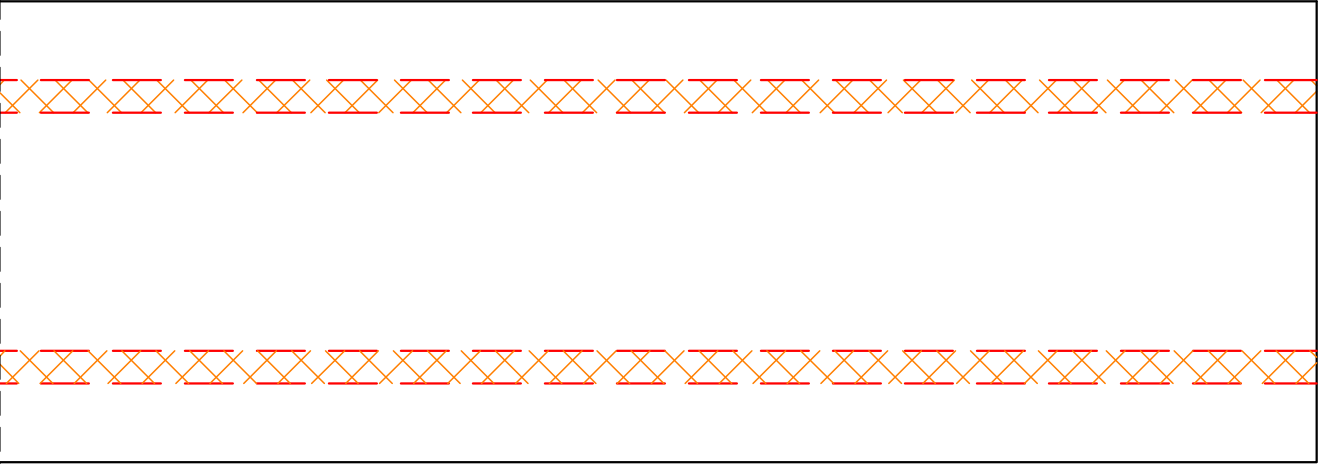
IN
CM





IN
CM

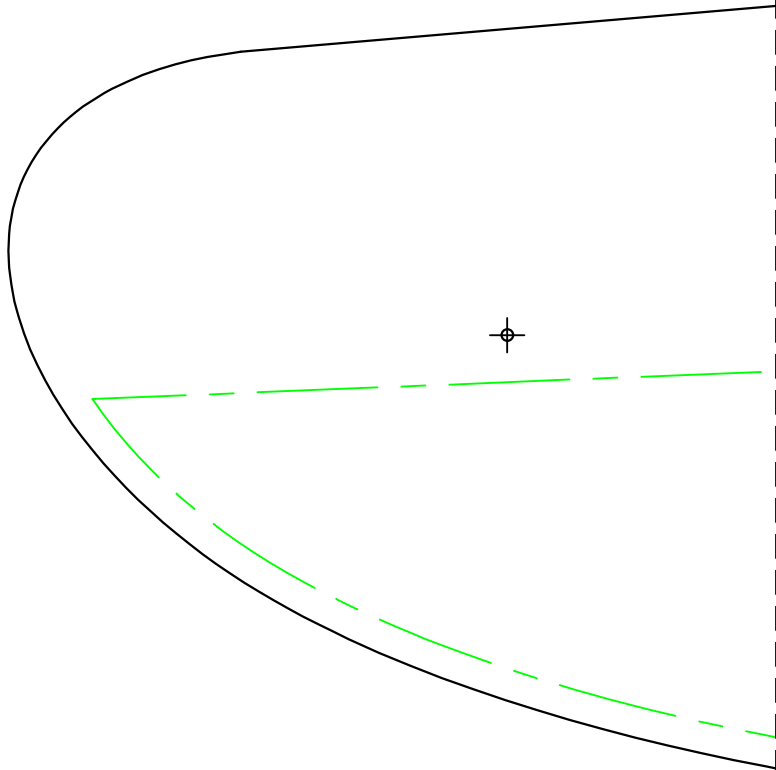
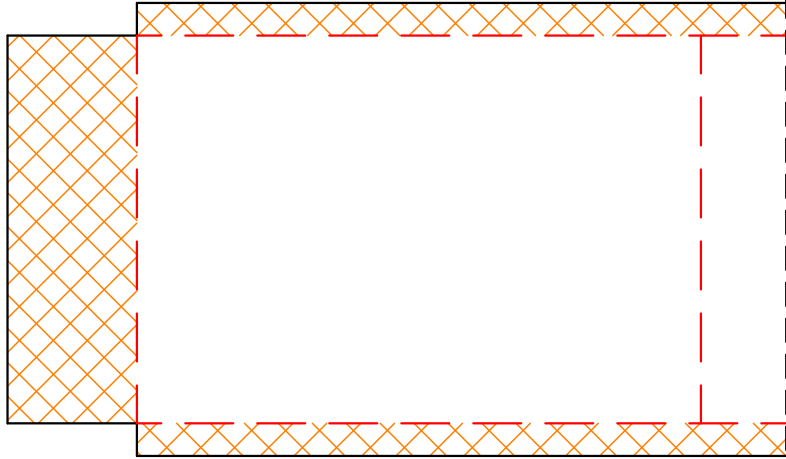


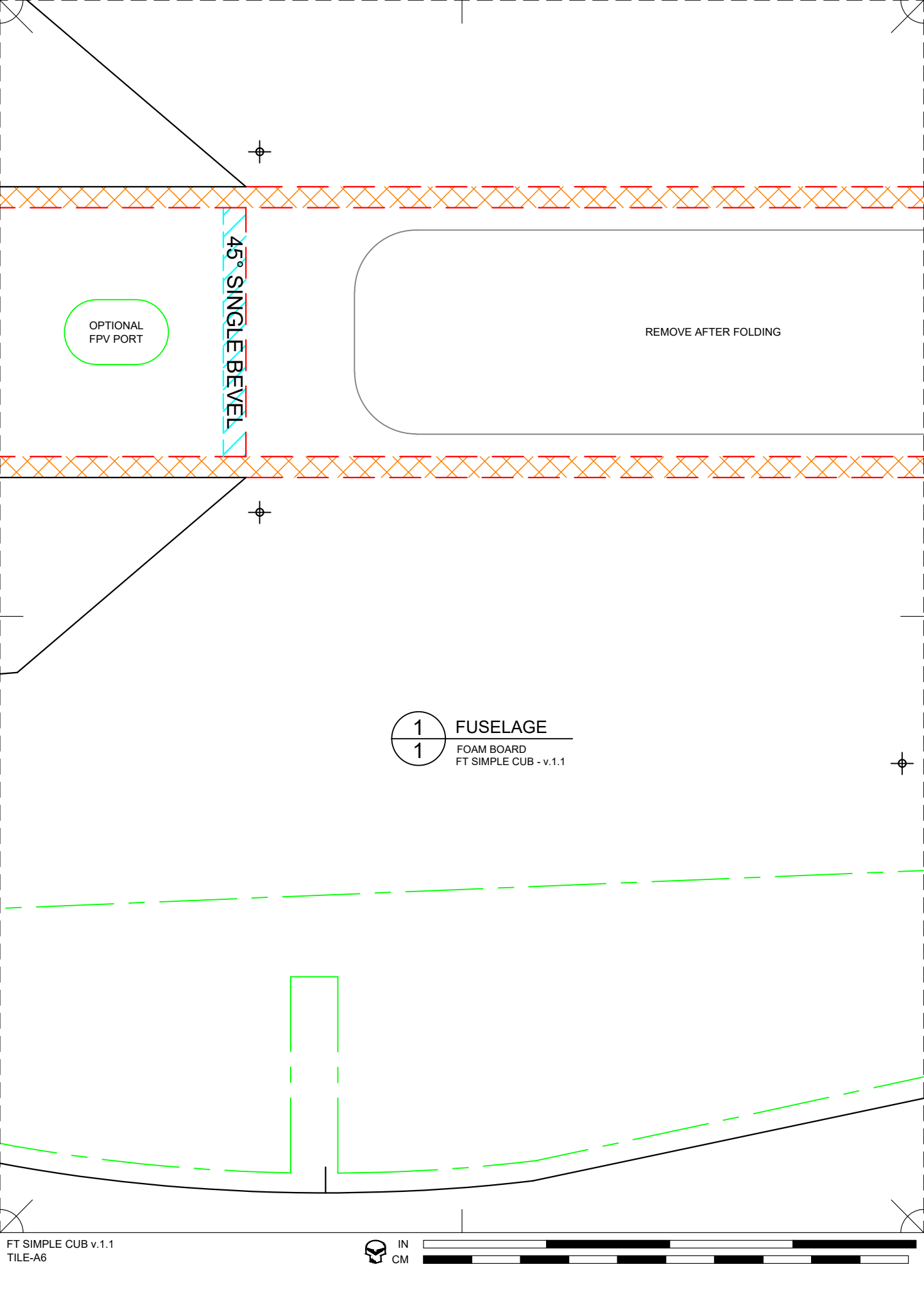


4
1

FUSELAGE BOTTOM - FRONT

FOAM BOARD
FT SIMPLE CUB - v.1.1





OPTIONAL
FPV PORT

45° SINGLE BEVEL

REMOVE AFTER FOLDING

1
1

FUSELAGE

FOAM BOARD
FT SIMPLE CUB - v.1.1

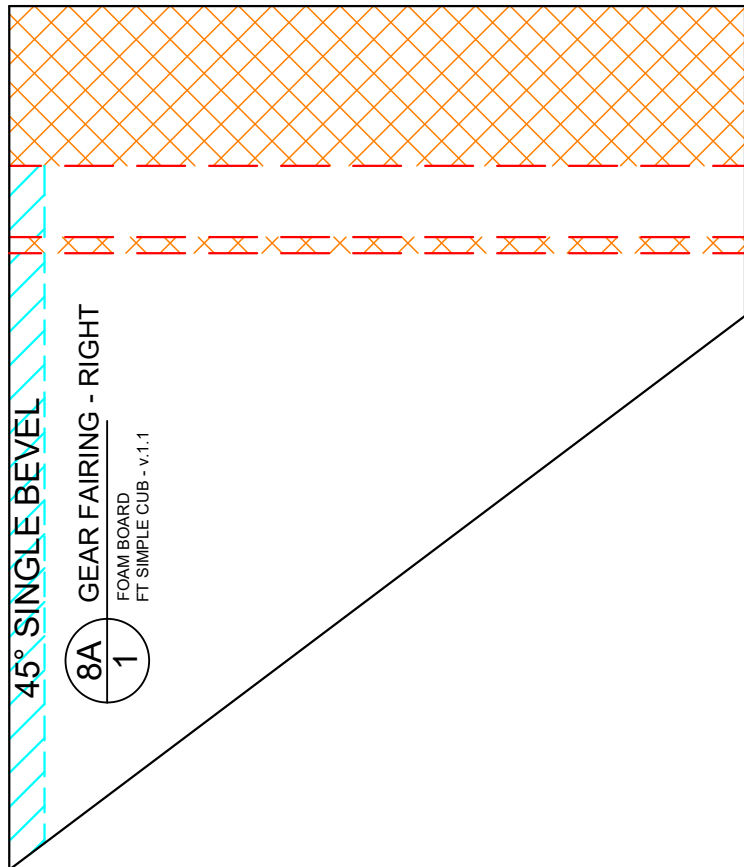
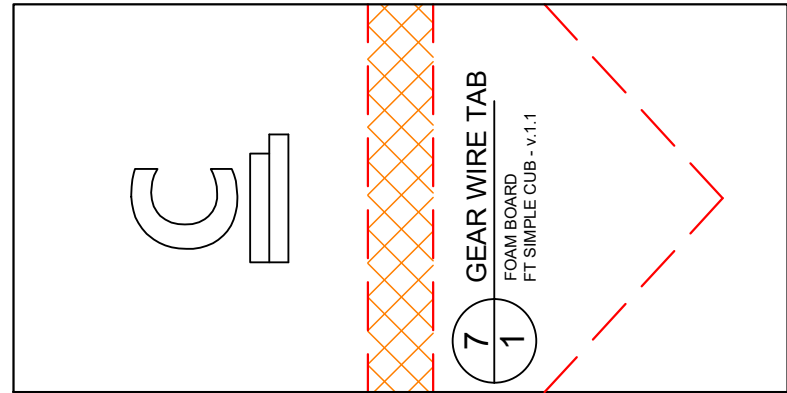


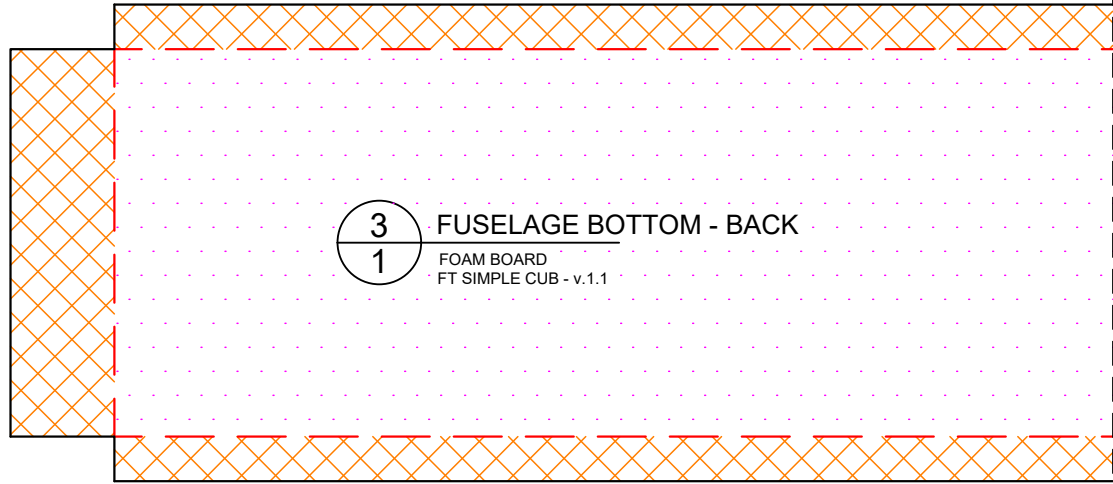
REMOVE AFTER FOLDING

REMOVE AFTER FOLDING

REMOVE AFTER FOLDING



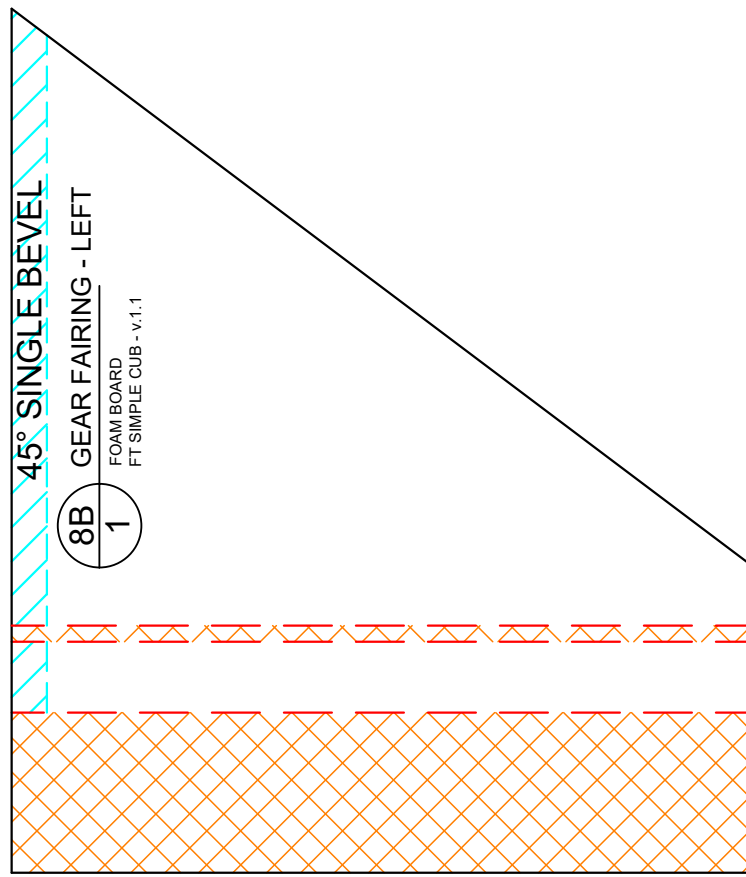




3
1

FUSELAGE BOTTOM - BACK

FOAM BOARD
FT SIMPLE CUB - v.1.1



45° SINGLE BEVEL

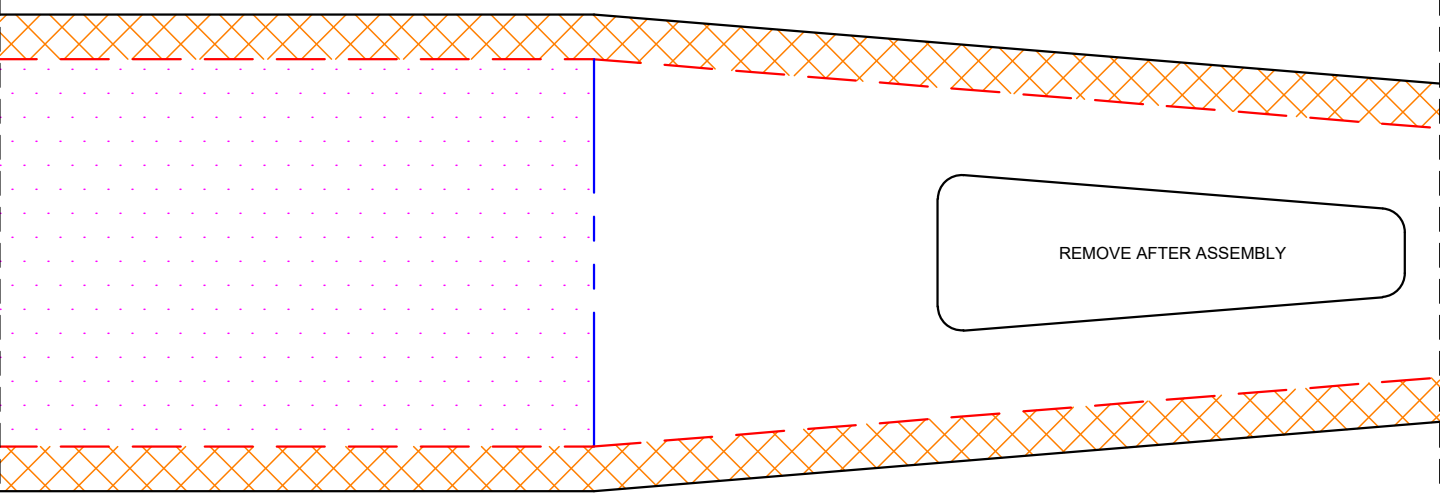
GEAR FAIRING - LEFT

FOAM BOARD
FT SIMPLE CUB - v.1.1

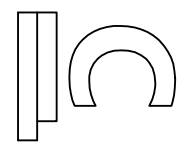
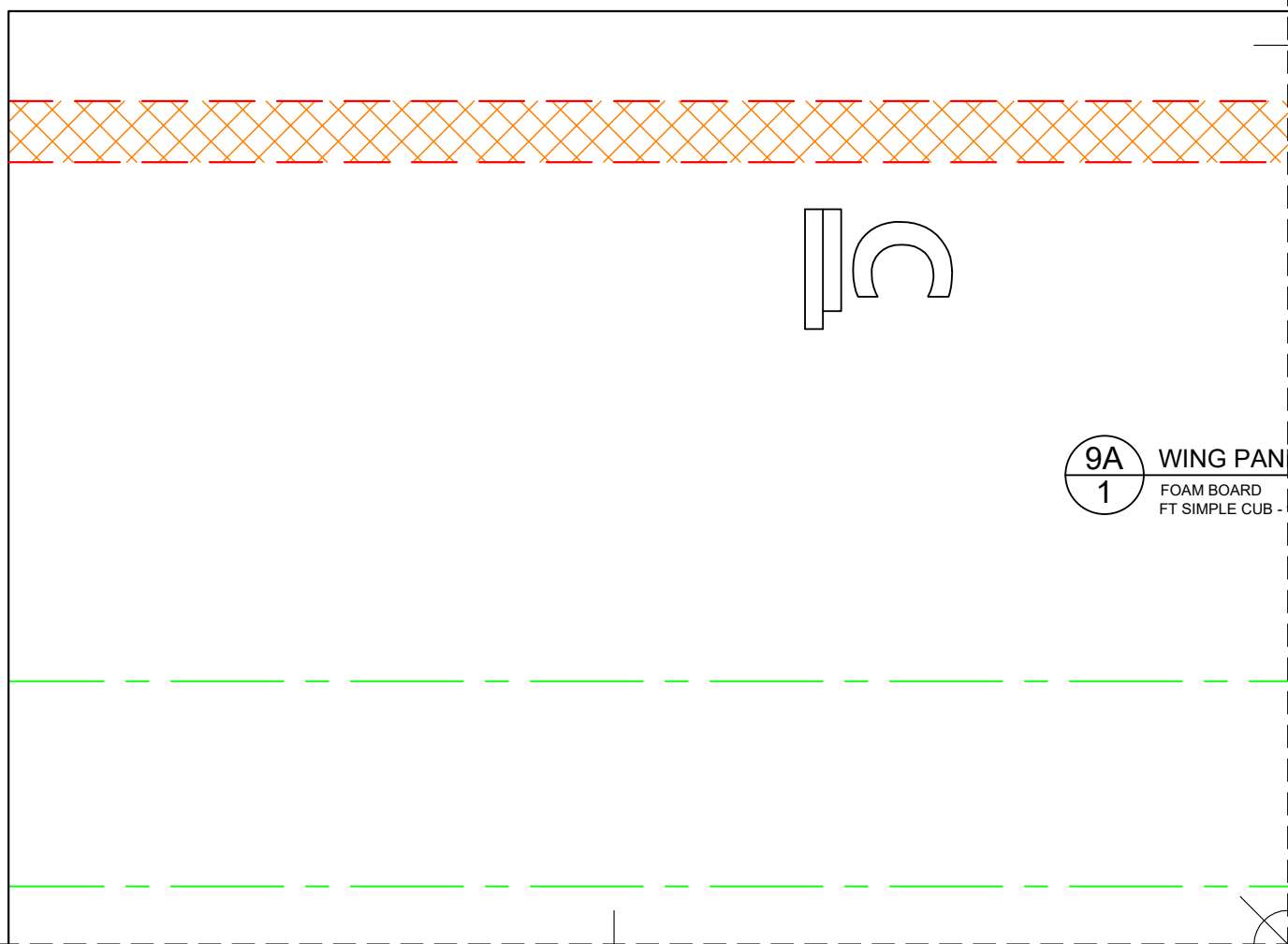
8B
1



IN
CM



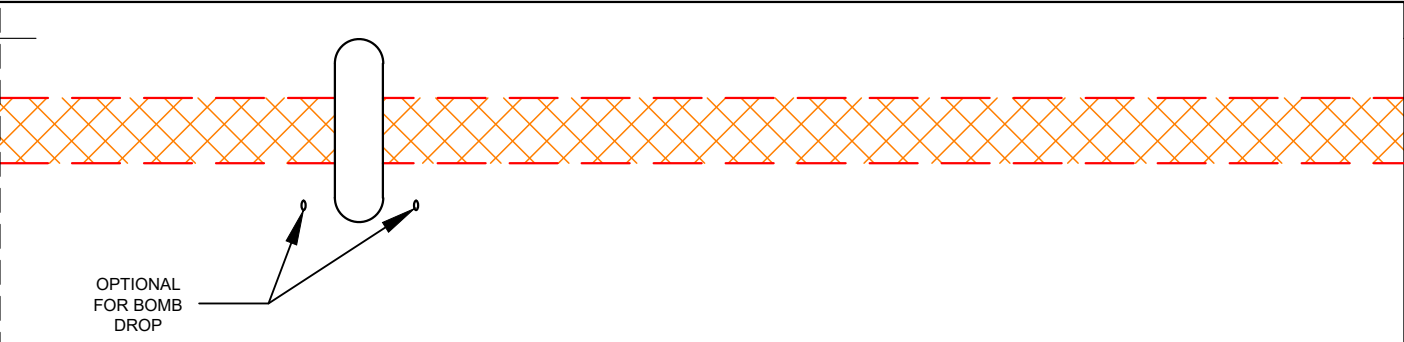
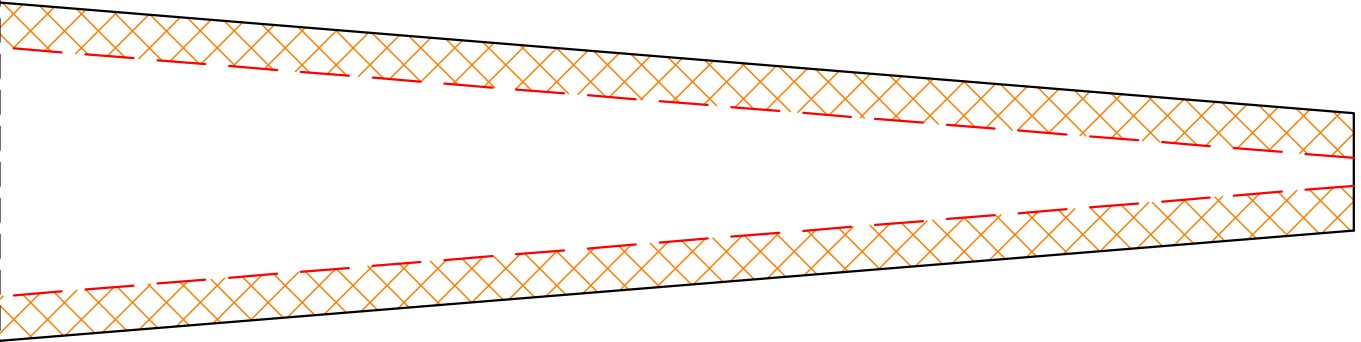
REMOVE AFTER ASSEMBLY



9A WING PAN
1 FOAM BOARD
FT SIMPLE CUB -

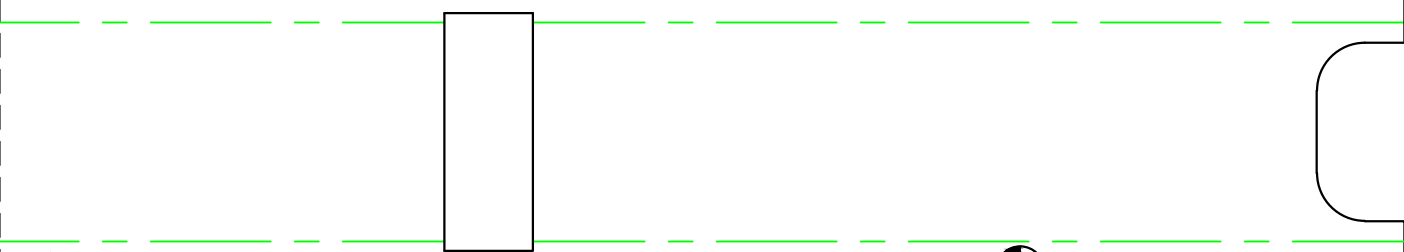


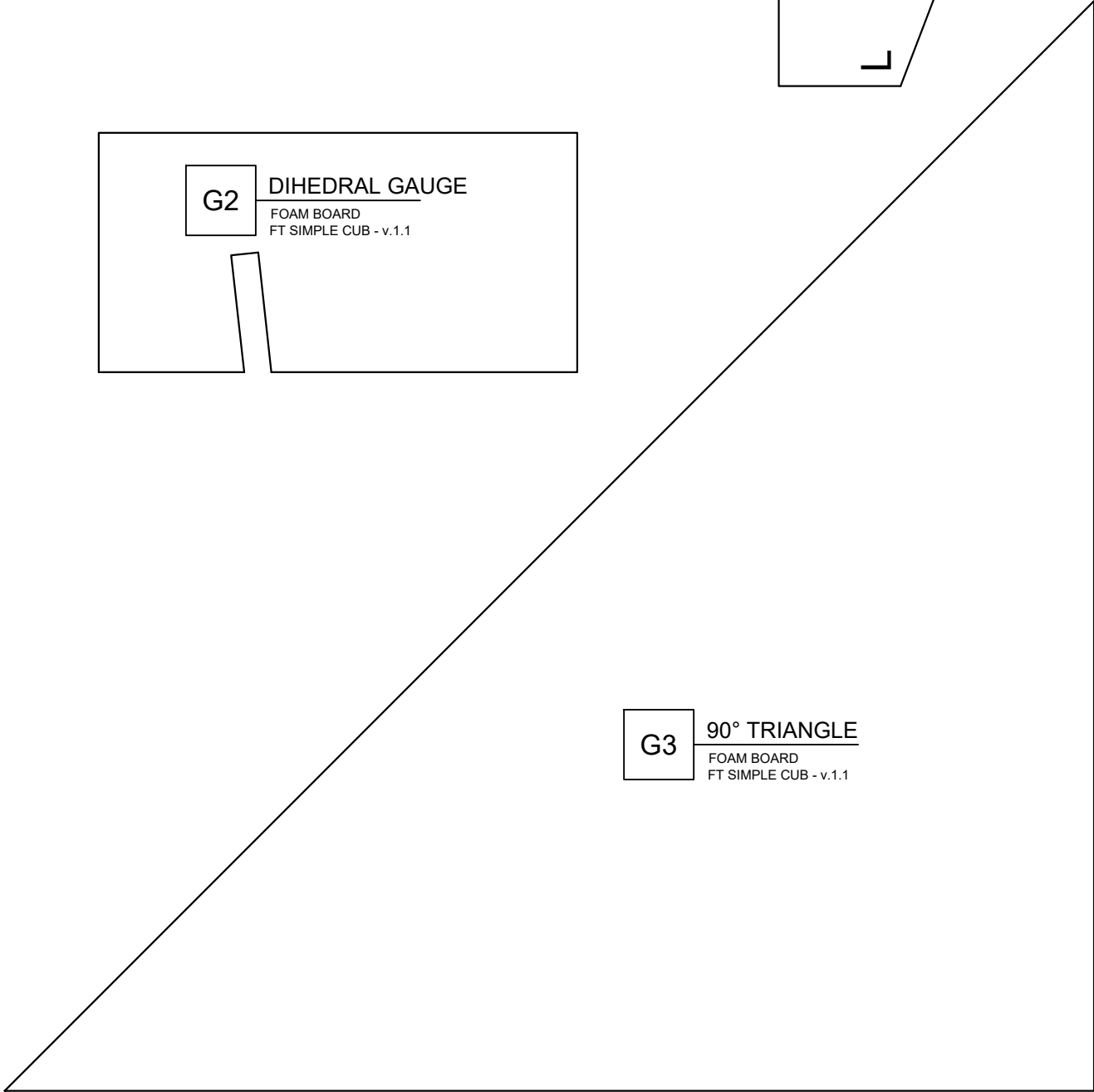
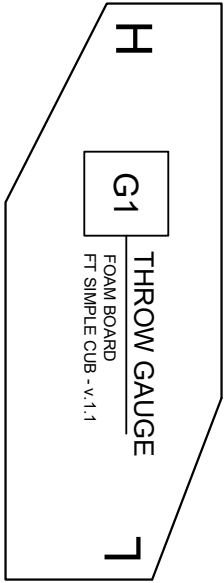
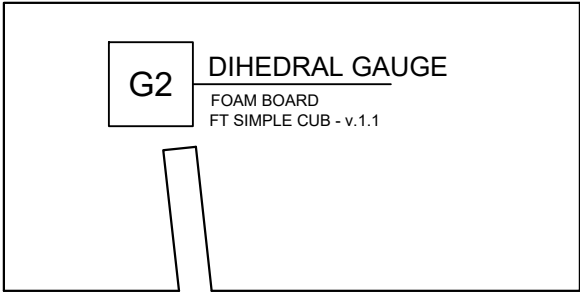
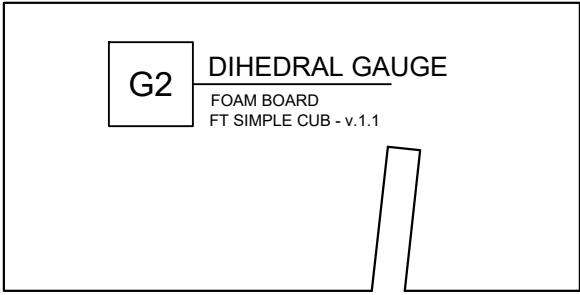
IN
CM



EL - RIGHT

v.1.1

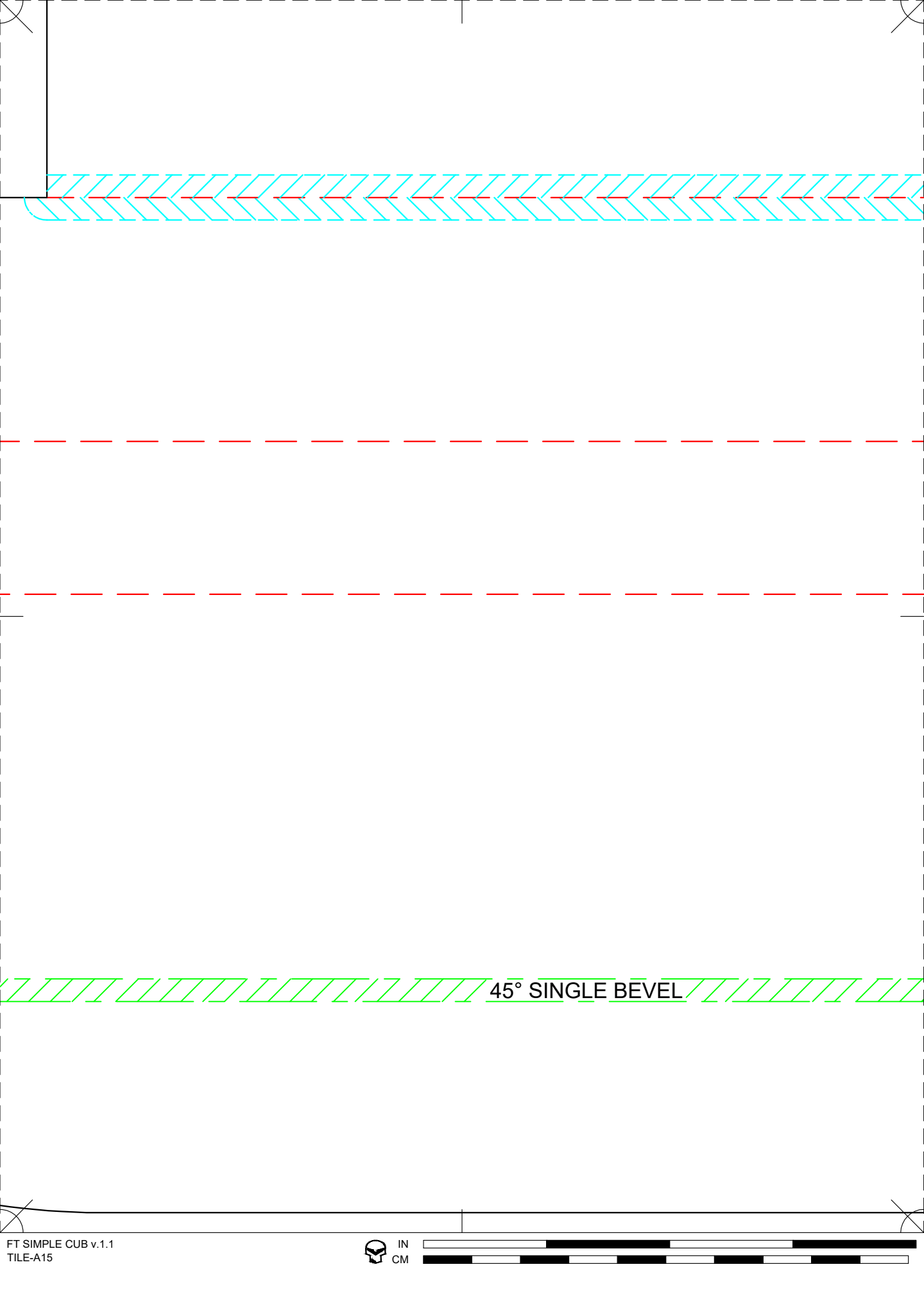






IN
CM





45° SINGLE BEVEL

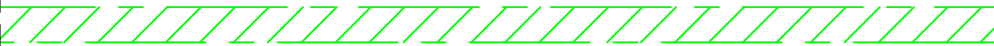
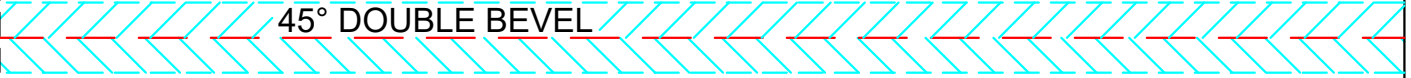


IN

CM

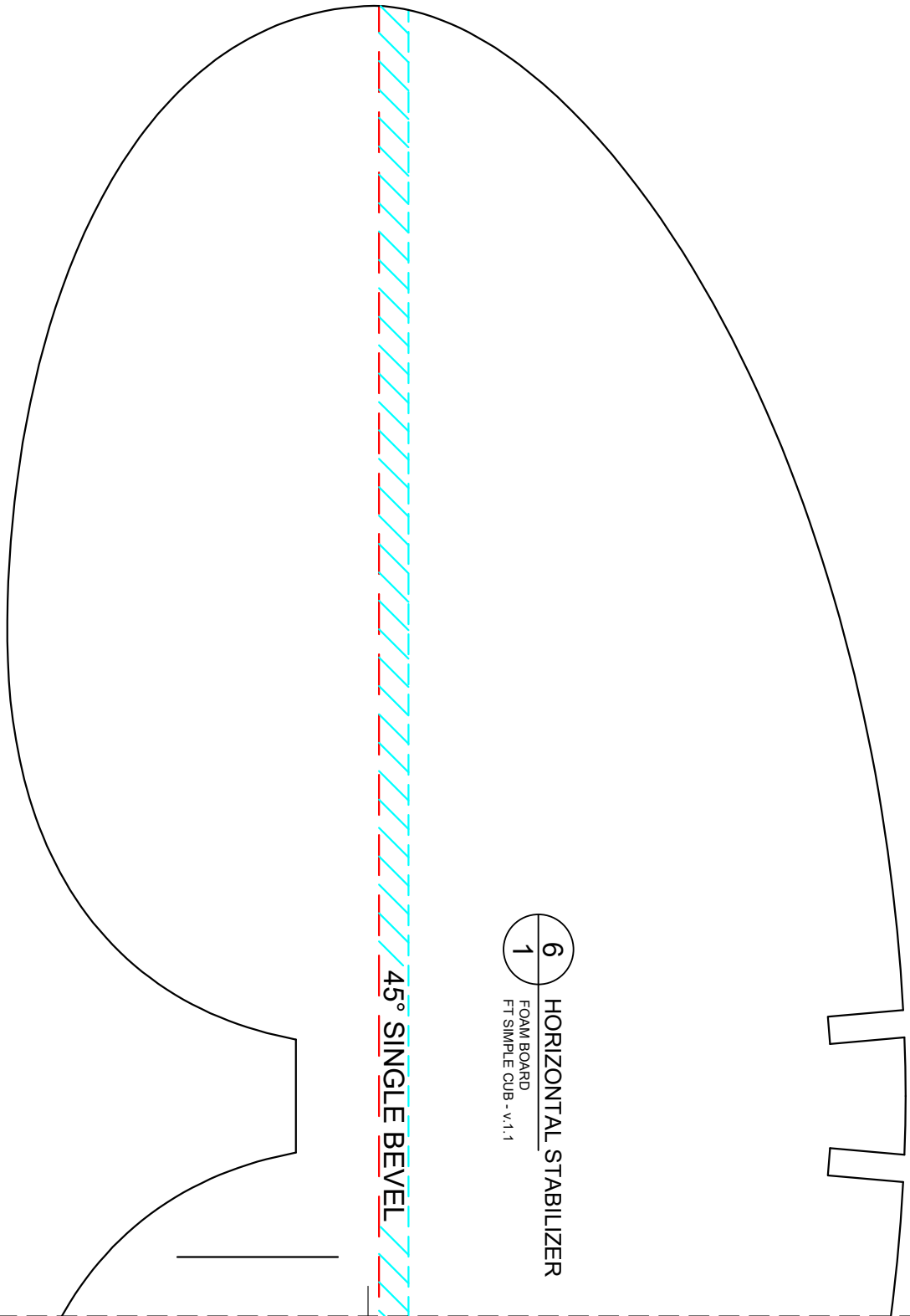


45° DOUBLE BEVEL





IN
CM



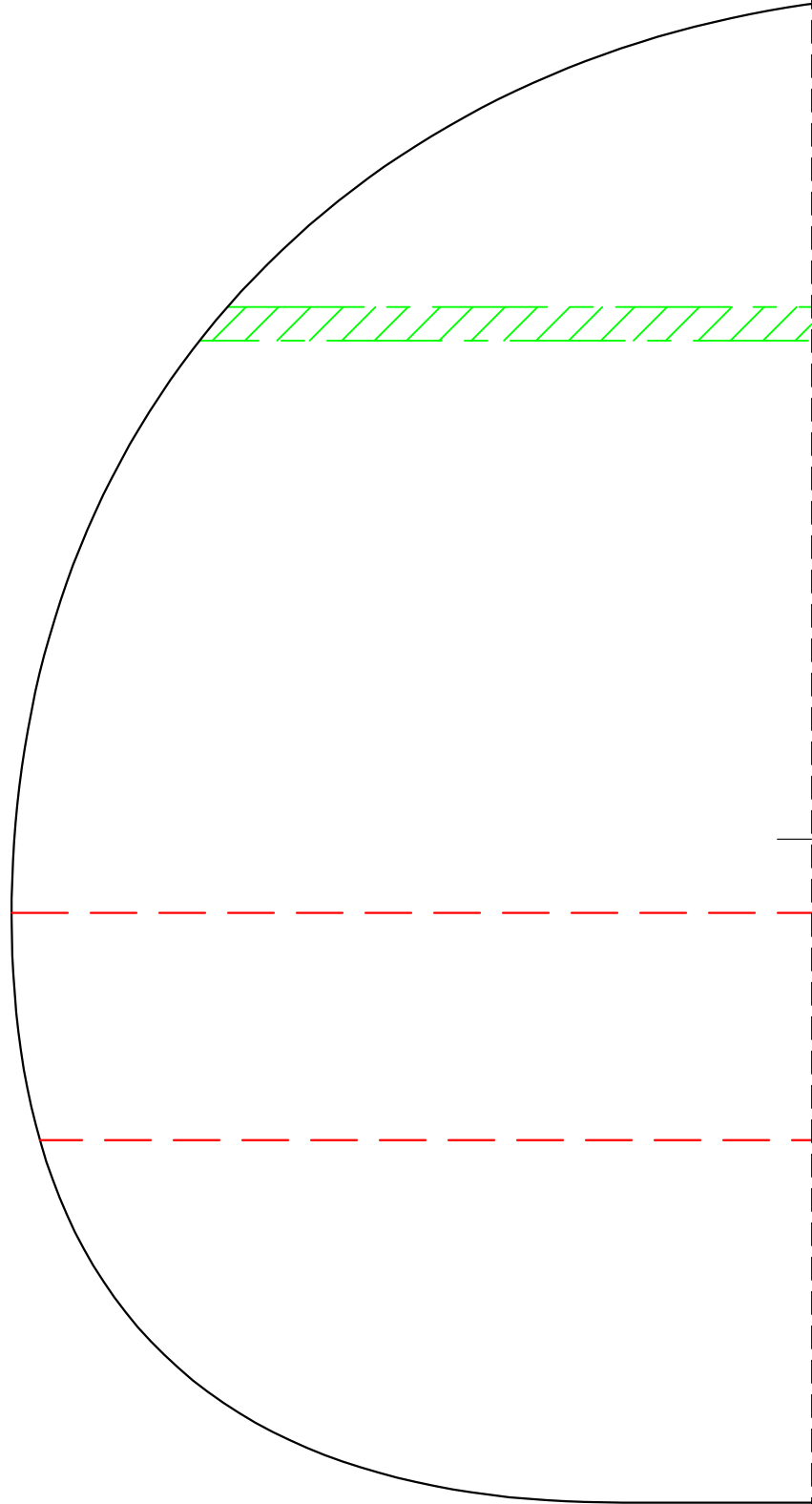
6
1

HORIZONTAL STABILIZER
FOAM BOARD
FT SIMPLE CUB - v.1.1

45° SINGLE BEVEL



IN
CM



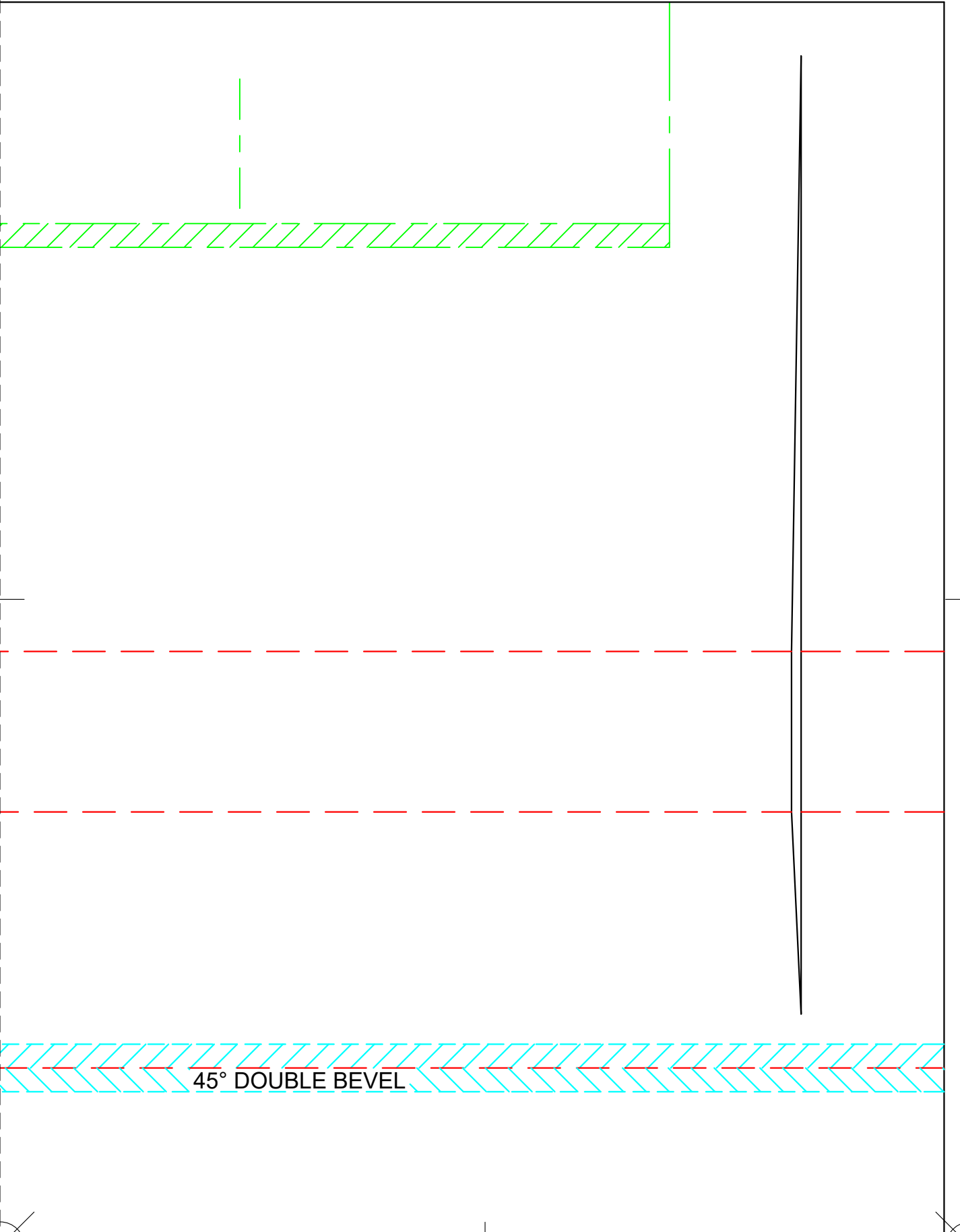


45° SINGLE BEVEL





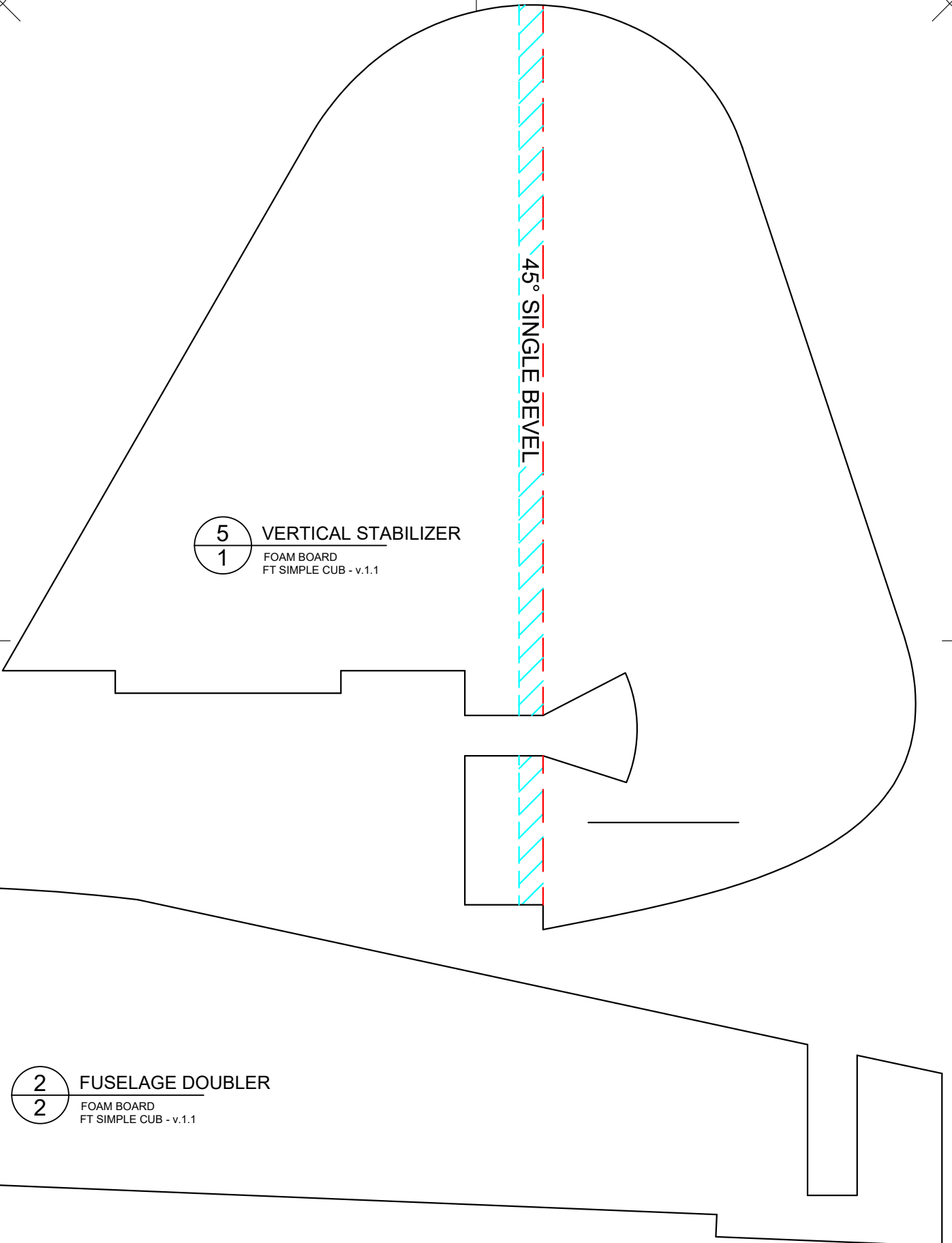
IN
CM





IN
CM





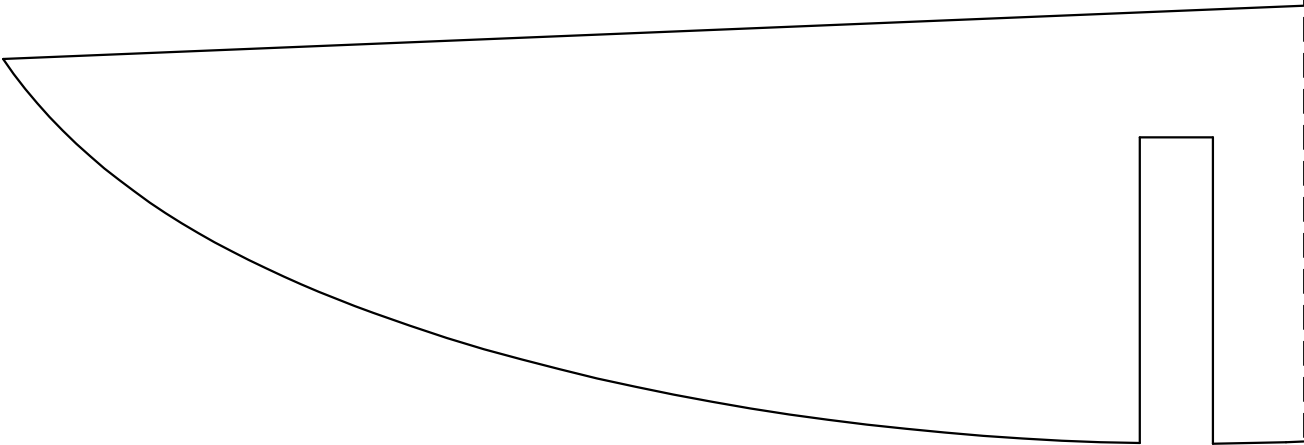
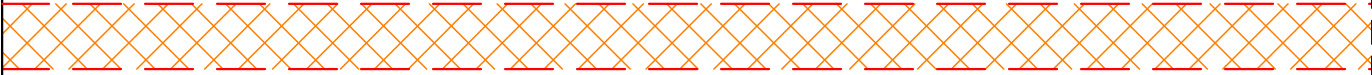
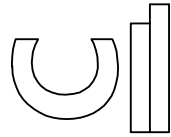
5 VERTICAL STABILIZER
1 FOAM BOARD
FT SIMPLE CUB - v.1.1

2 FUSELAGE DOUBLER
2 FOAM BOARD
FT SIMPLE CUB - v.1.1

45° SINGLE BEVEL



9B WING
1 FOAM BO
FT SIMPL

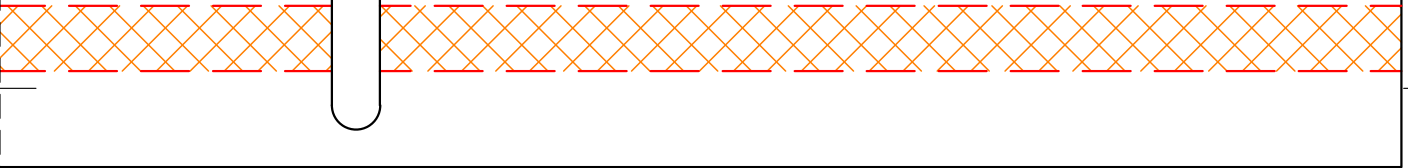
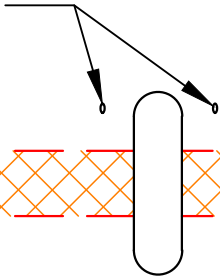




PANEL - LEFT

WARD
E CUB - v.1.1

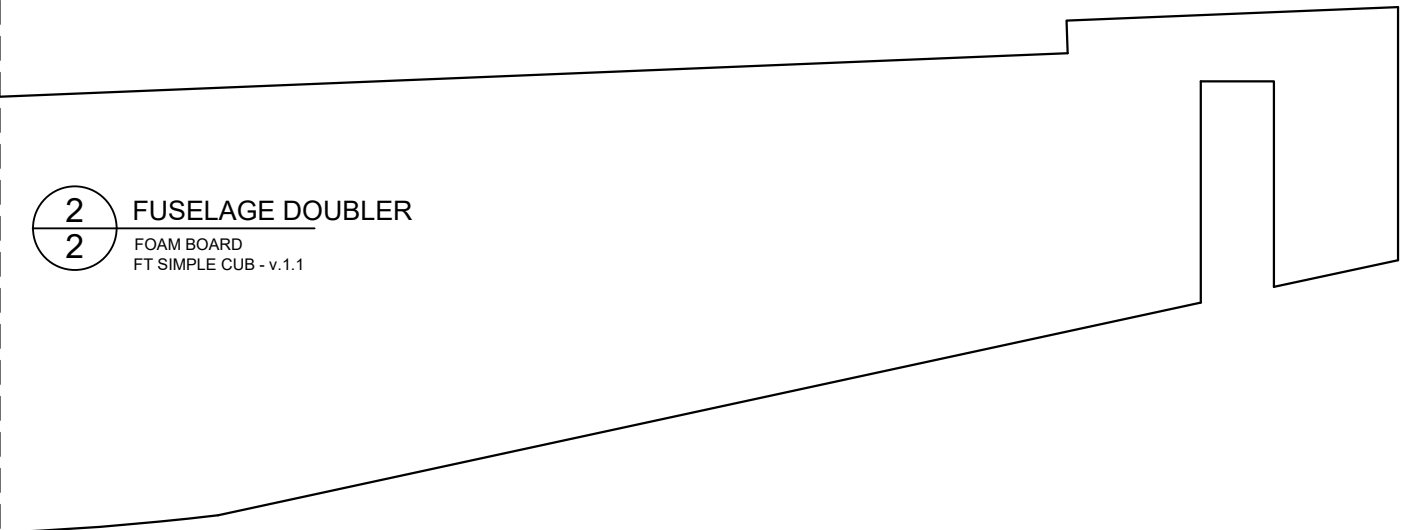
OPTIONAL
FOR BOMB
DROP



2
2

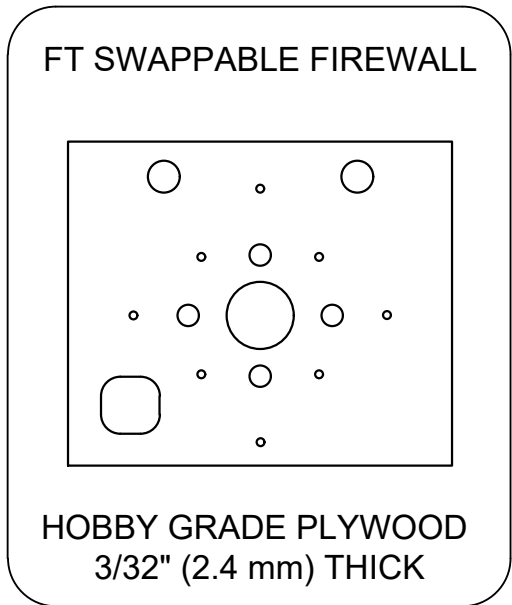
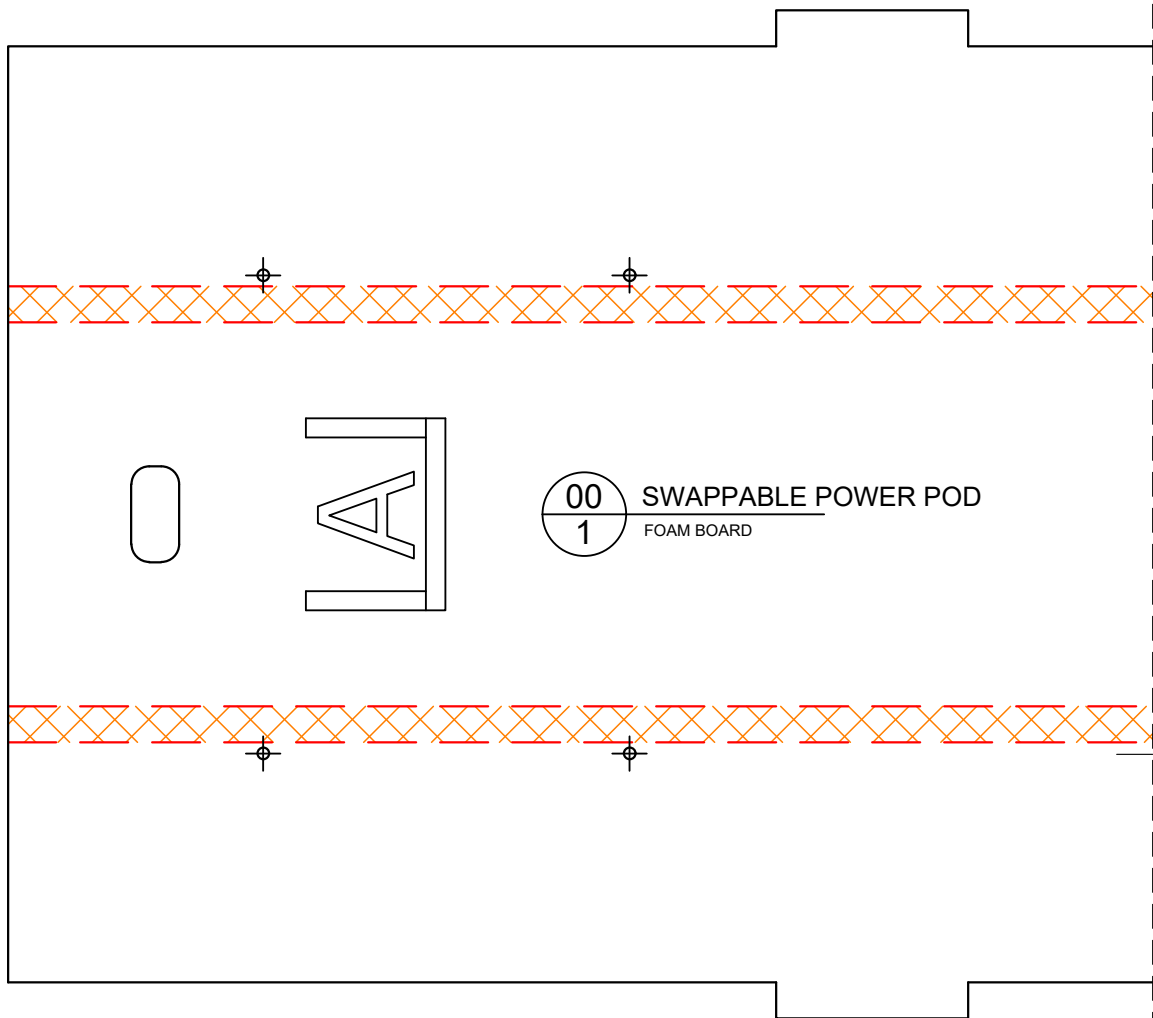
FUSELAGE DOUBLER

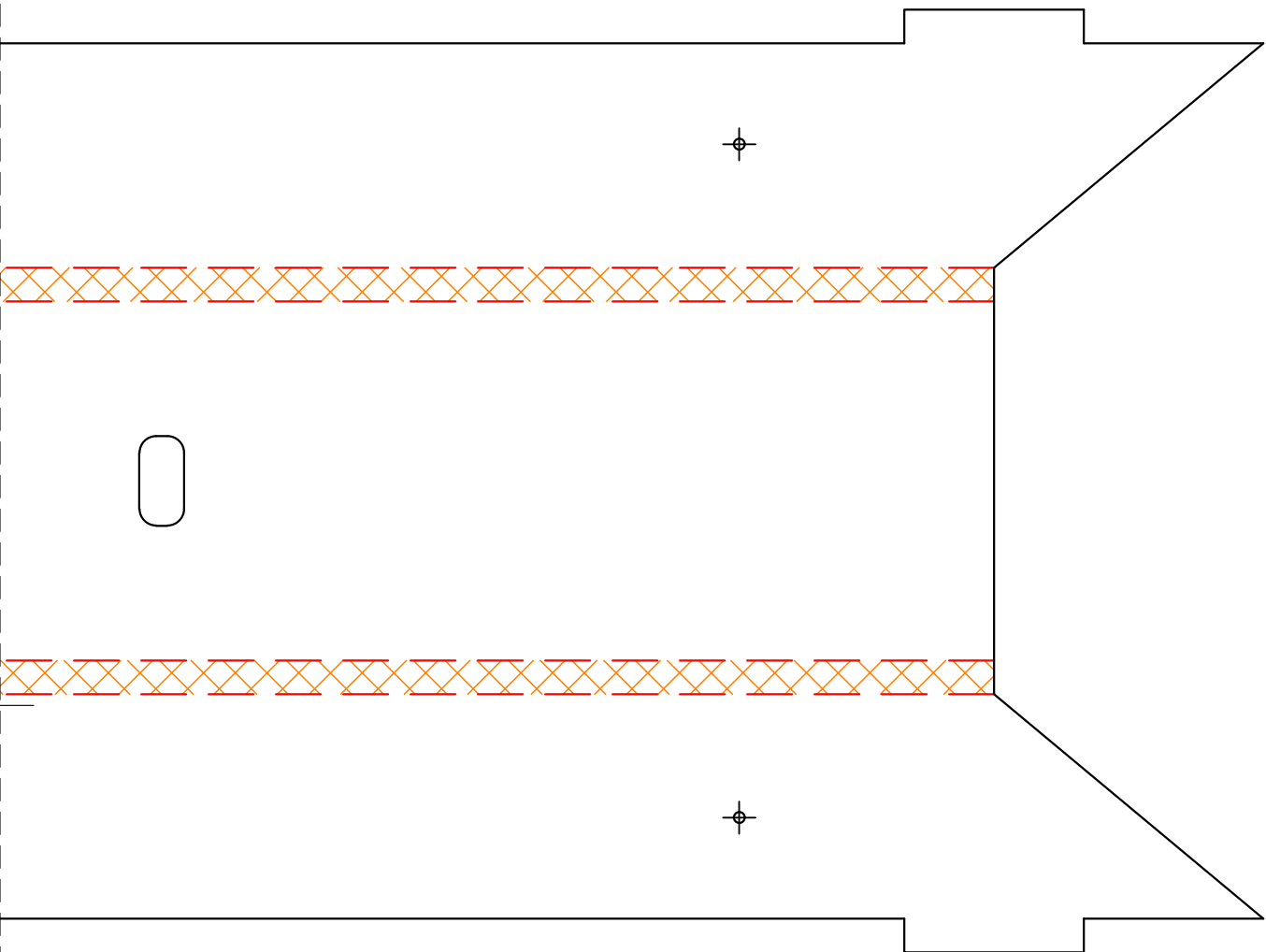
FOAM BOARD
FT SIMPLE CUB - v.1.1



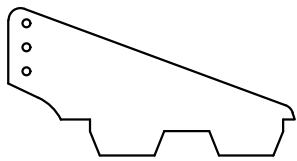
IN
CM



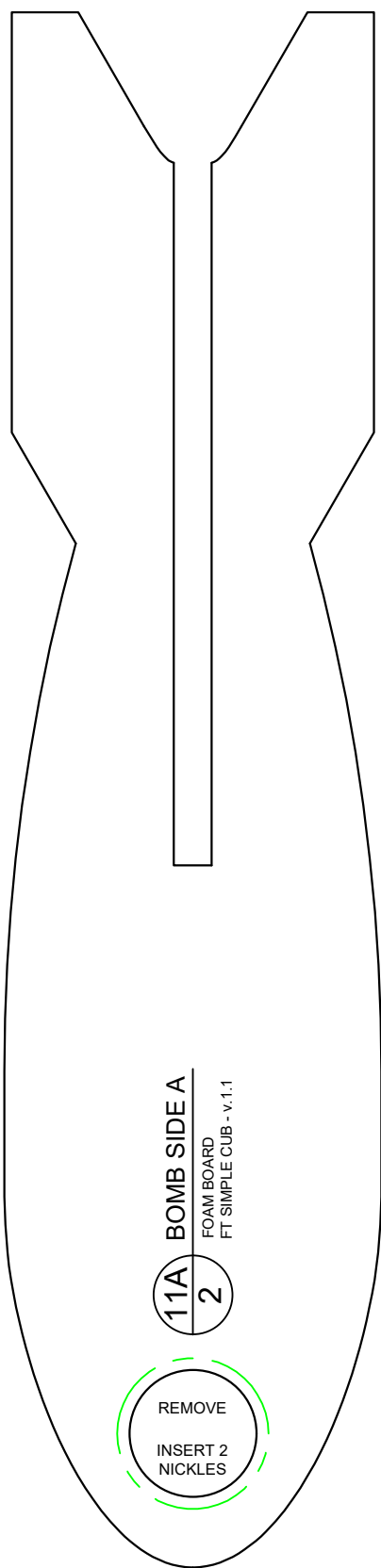




FT CONTROL HORN

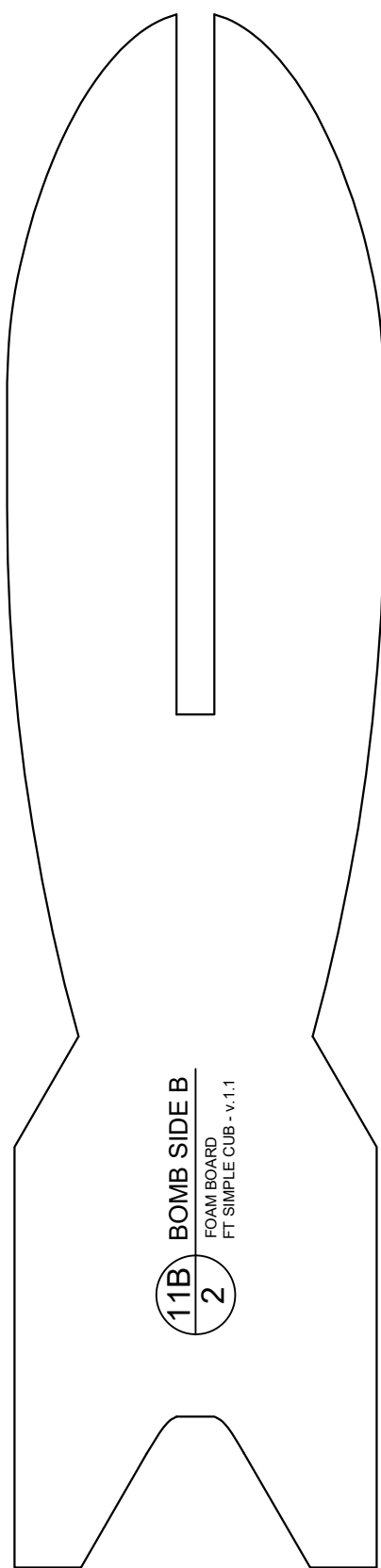


**HOBBY GRADE PLYWOOD
1/16" (1.6 mm) THICK**

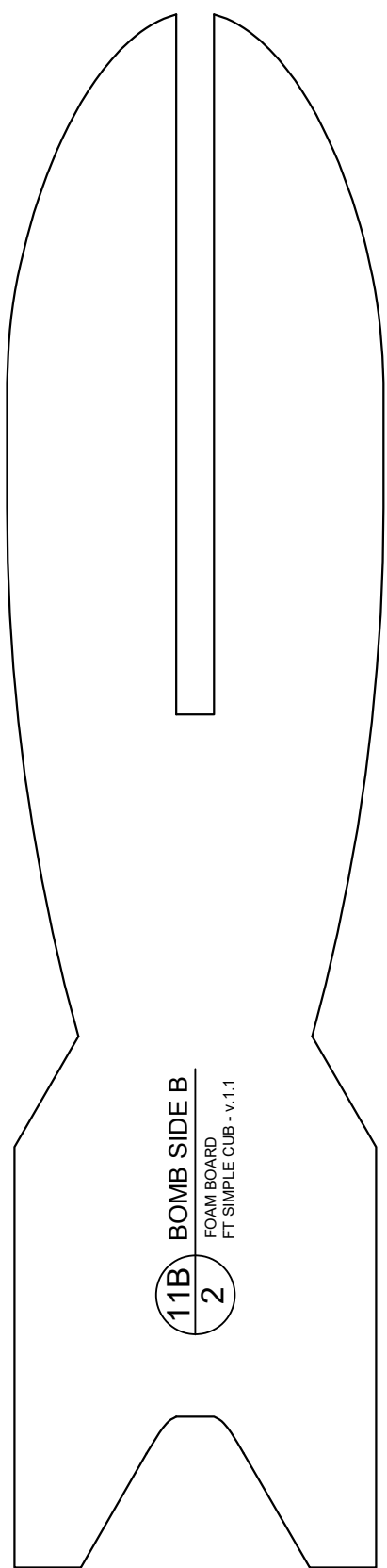
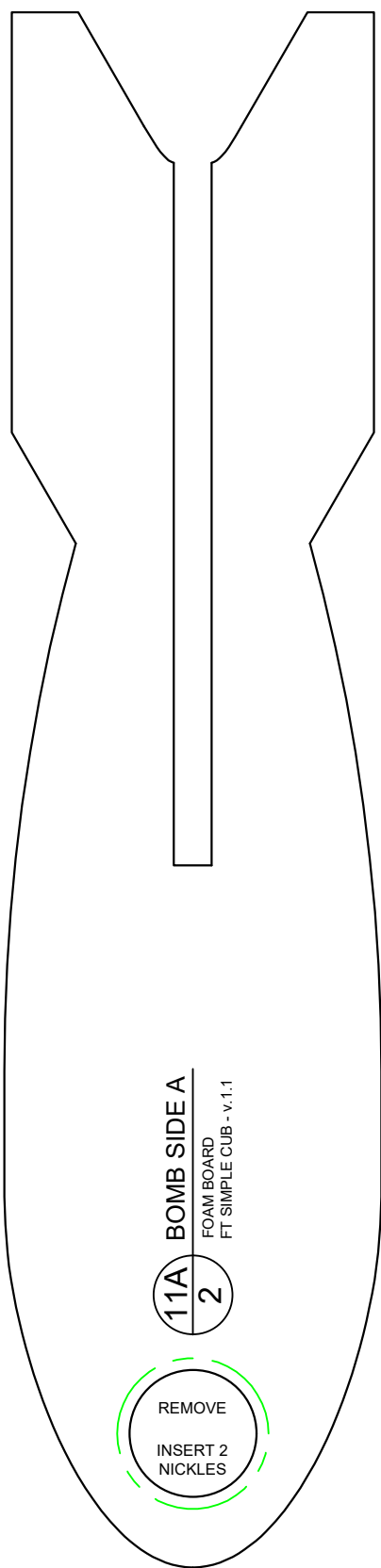


11A BOMB SIDE A
FOAM BOARD
FT SIMPLE CUB - v.1.1
2

REMOVE
INSERT 2
NICKLES



11B BOMB SIDE B
FOAM BOARD
FT SIMPLE CUB - v.1.1
2



VINYL
WINDOW
GRAPHICS

VINYL
WINDOW
GRAPHICS

VINYL
WINDOW
GRAPHICS

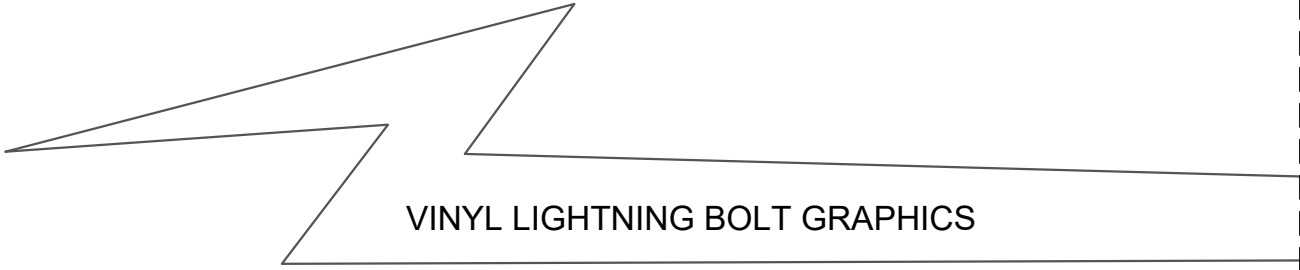
VINYL
WINDOW
GRAPHICS

VINYL
WINDOW
GRAPHICS

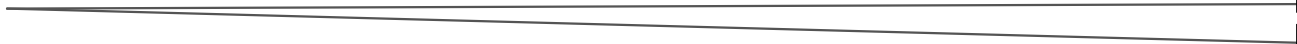
VINYL
WINDOW
GRAPHICS

VINYL
WINDOW
GRAPHICS

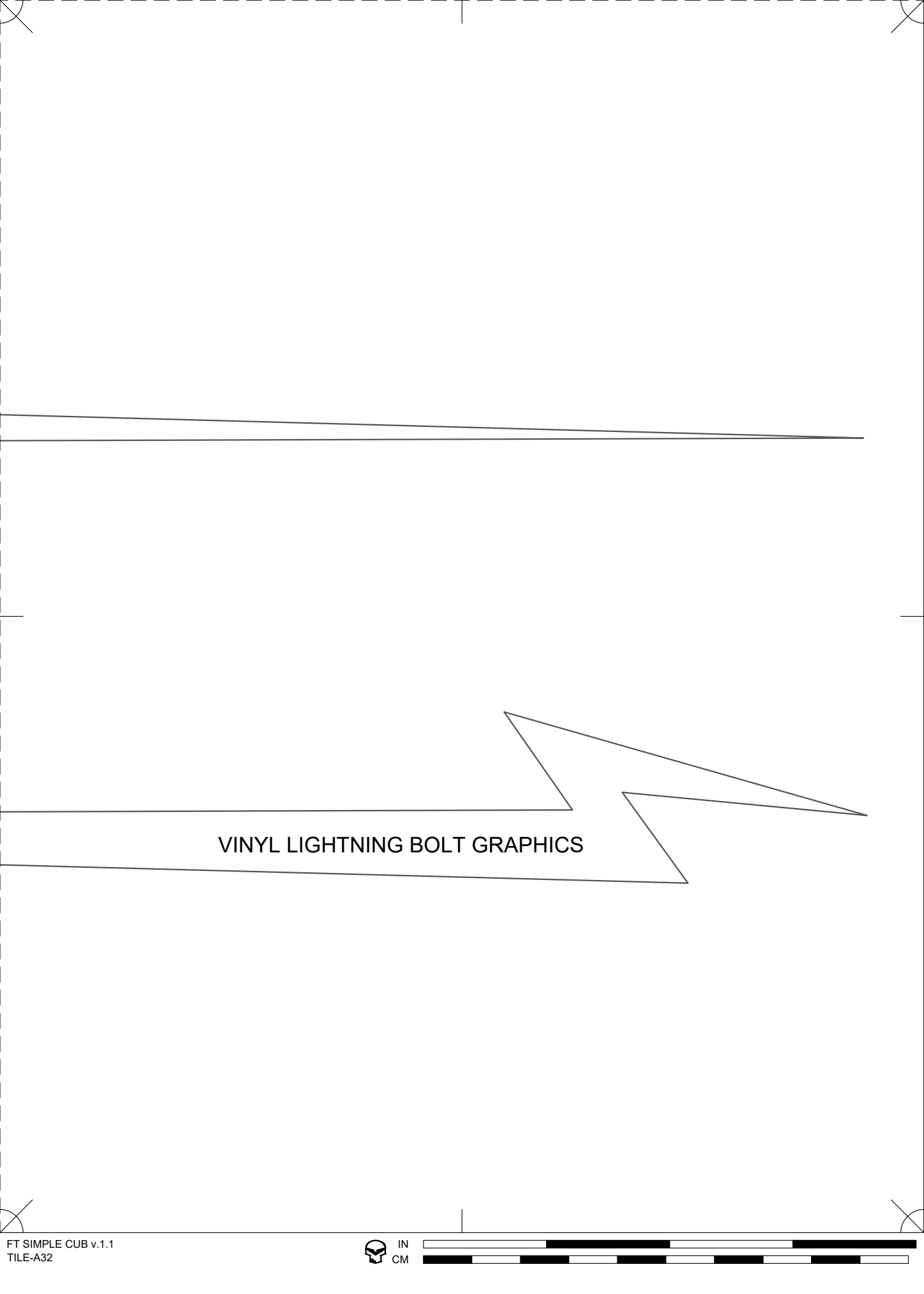




VINYL LIGHTNING BOLT GRAPHICS

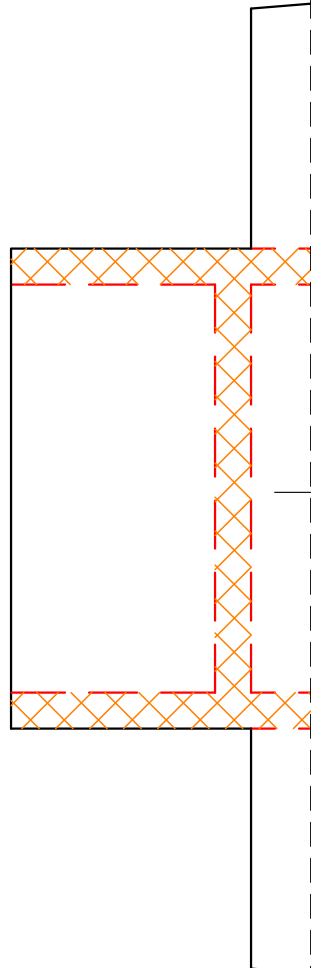






VINYL LIGHTNING BOLT GRAPHICS





13
4

FLOAT SIDE DOUBLER
FOAM BOARD
FT SIMPLE CUB - v.1.1

13
4

FLOAT SIDE DOUBLER
FOAM BOARD
FT SIMPLE CUB - v.1.1

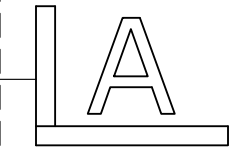


IN
CM



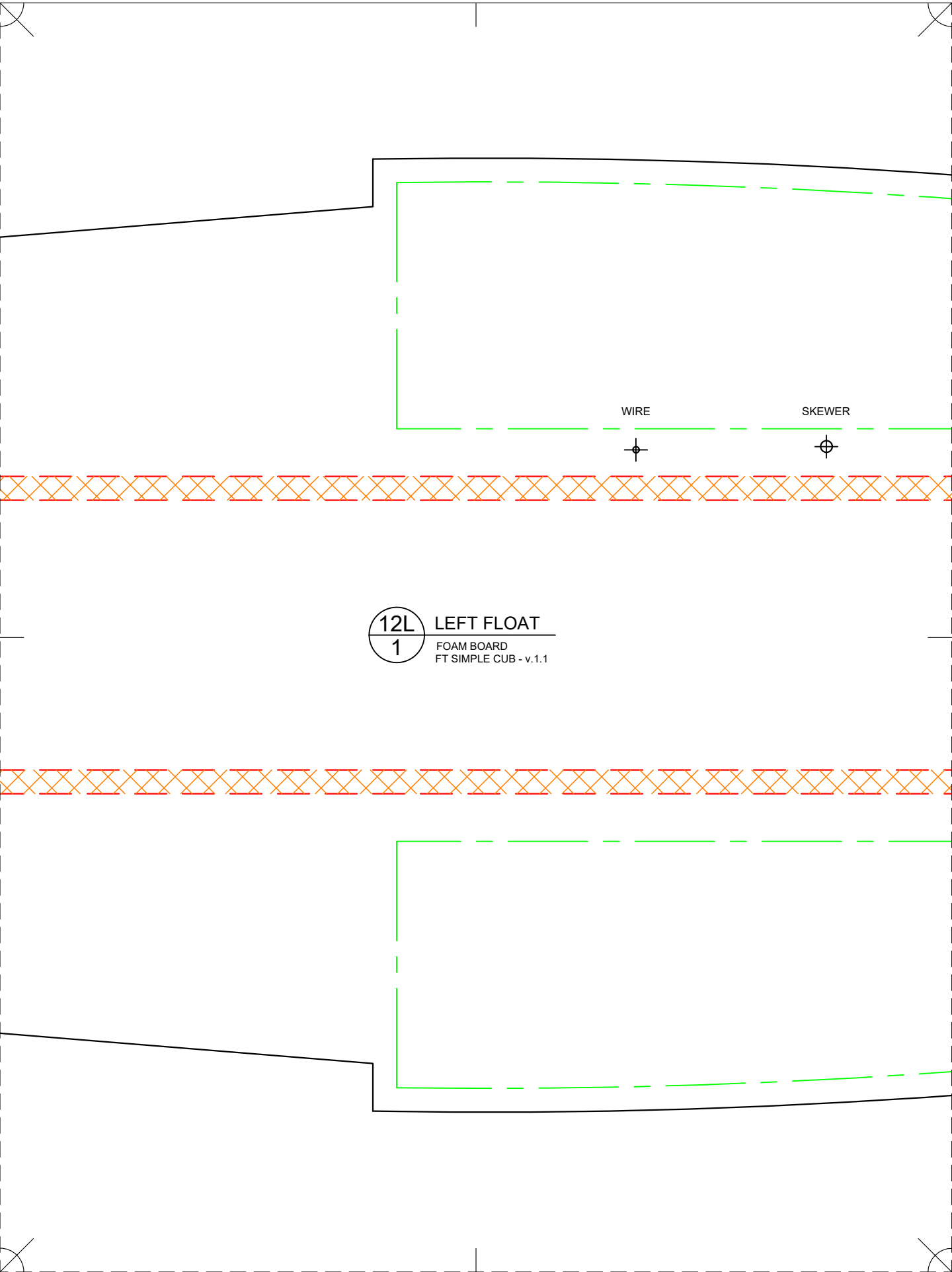
WIRE

SKEWER

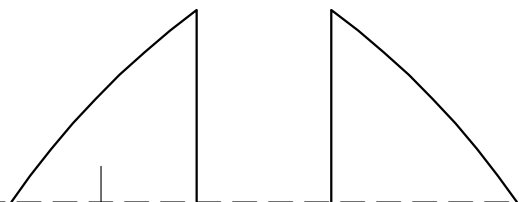
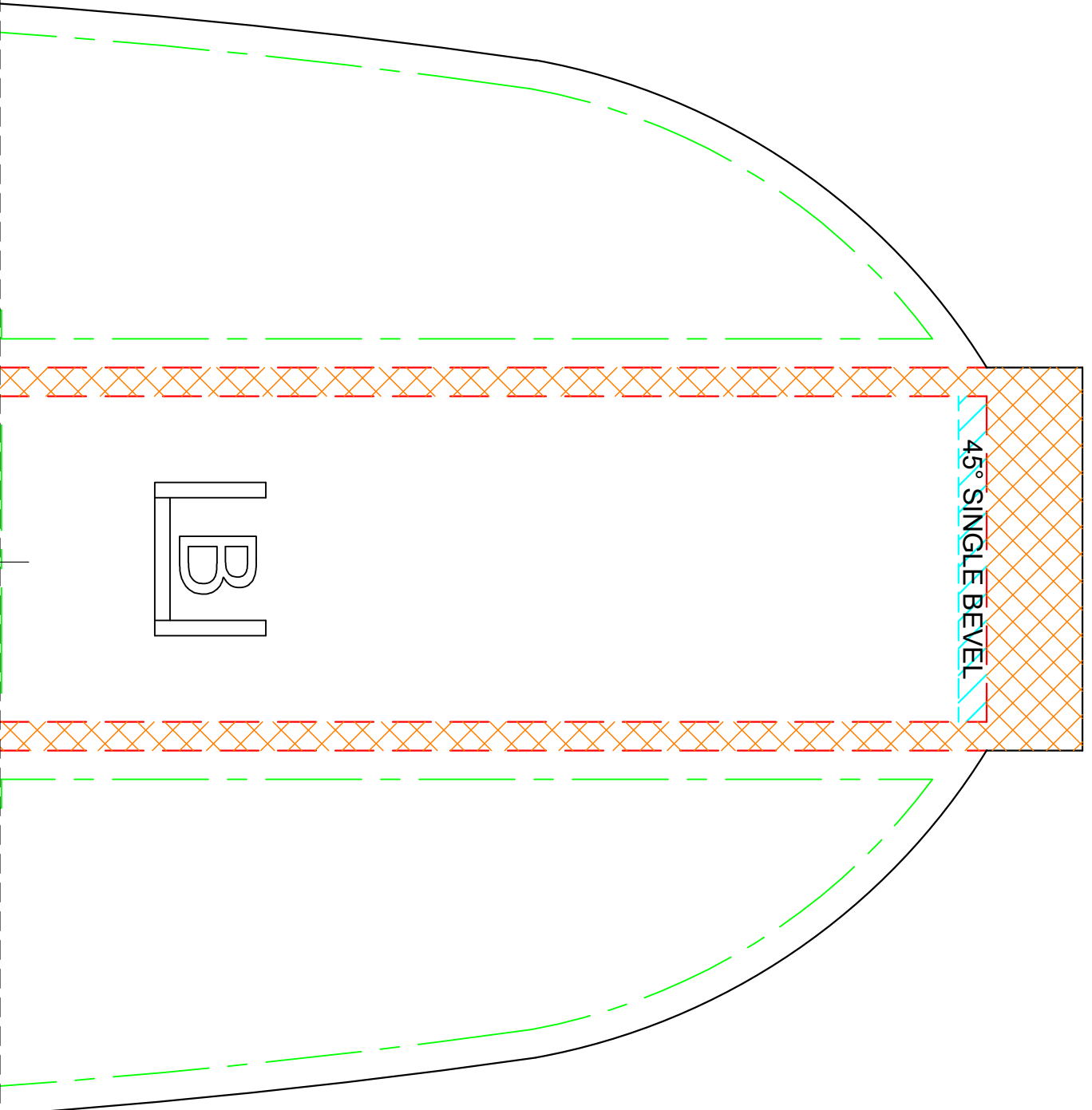


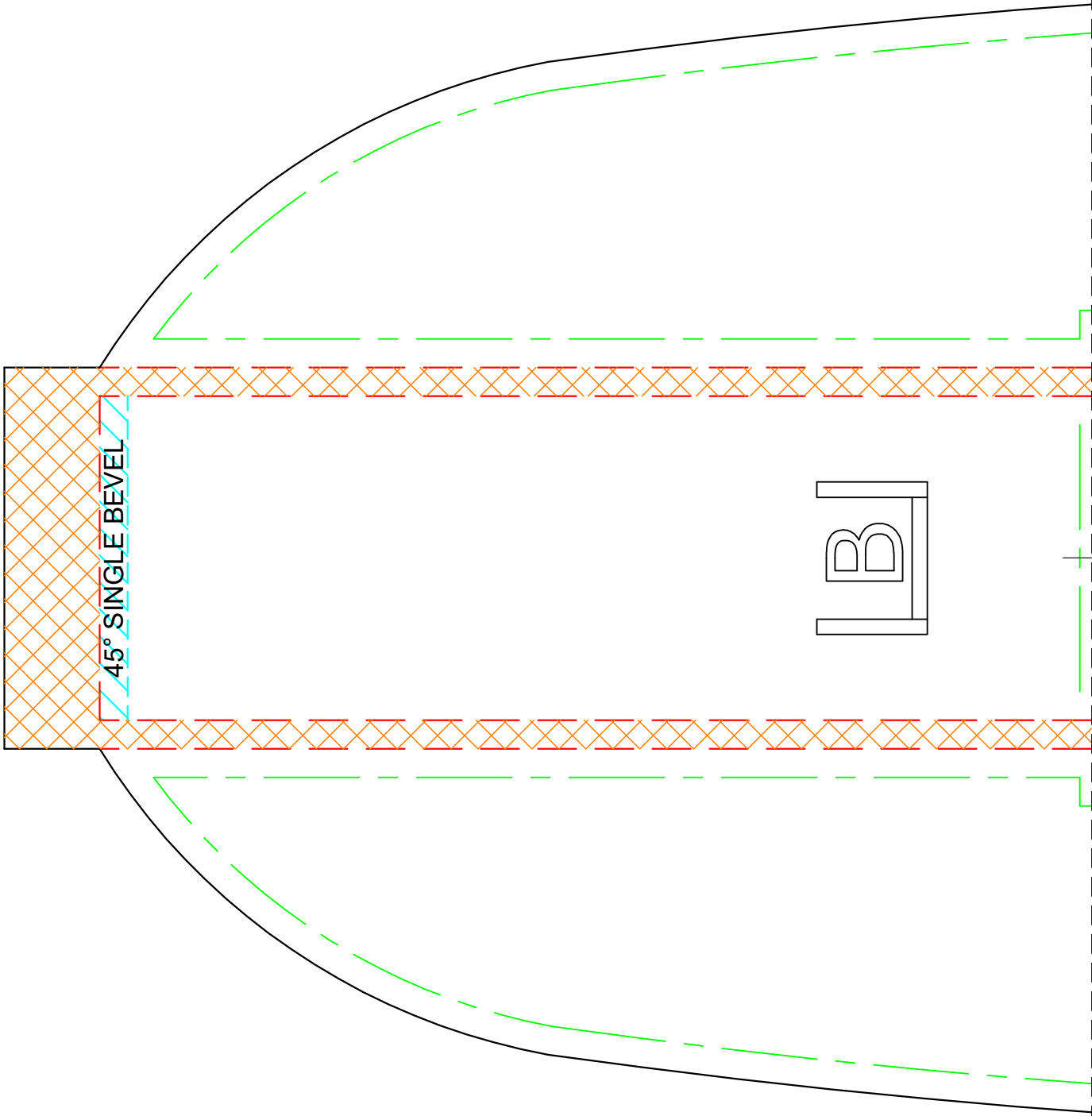


IN
CM

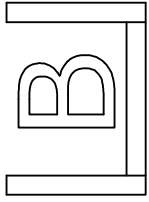


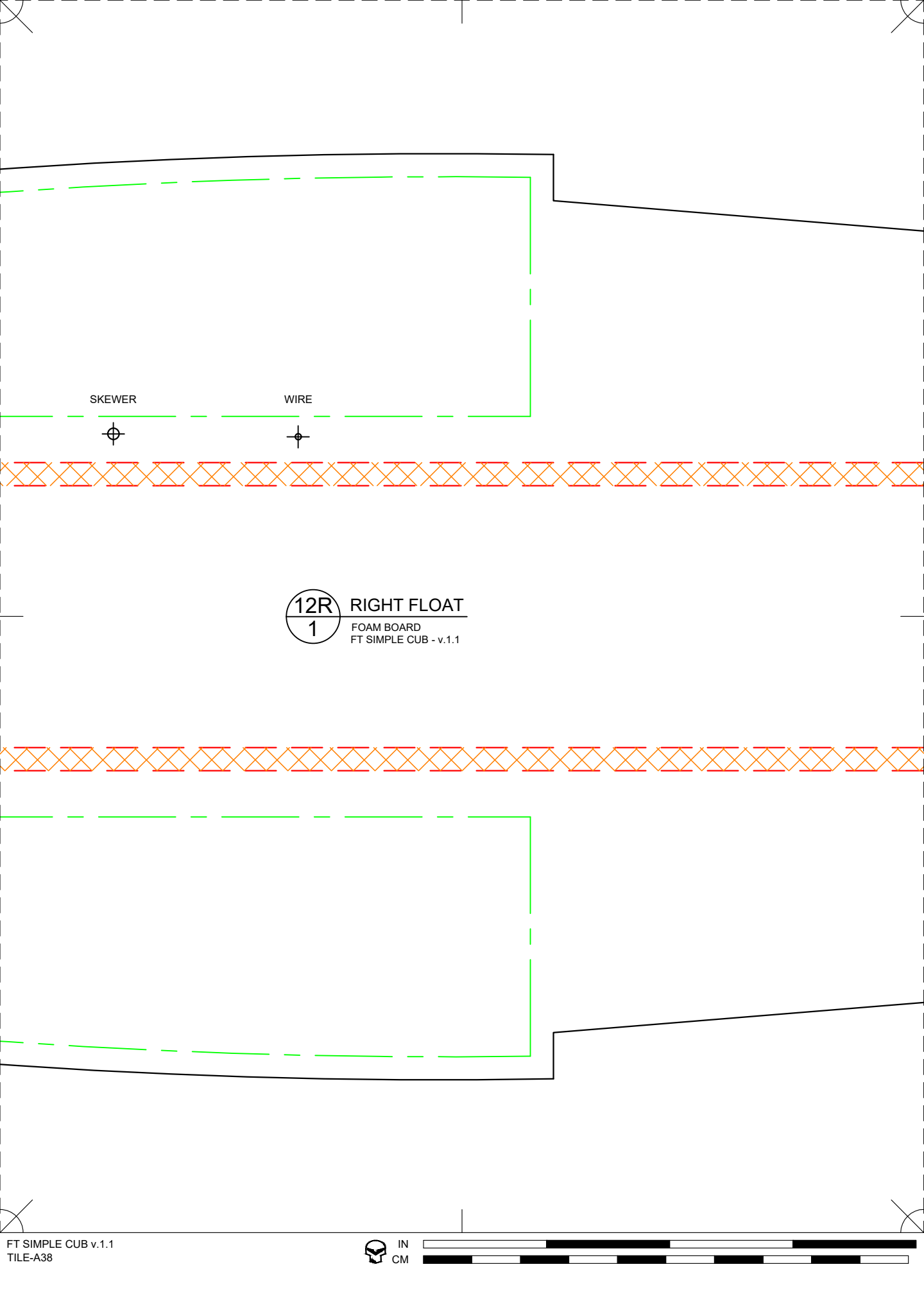
12L LEFT FLOAT
1 FOAM BOARD
FT SIMPLE CUB - v.1.1





45° SINGLE BEVEL





SKEWER

WIRE

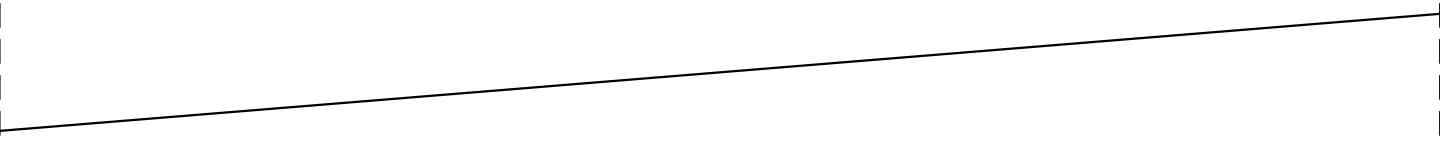
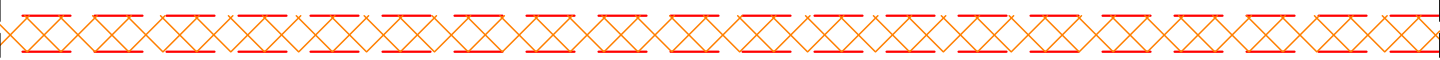
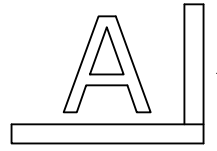
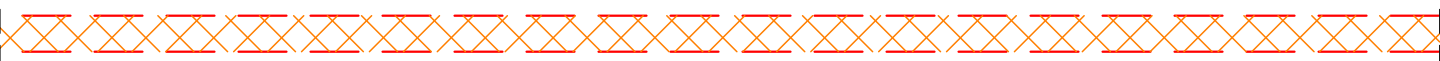
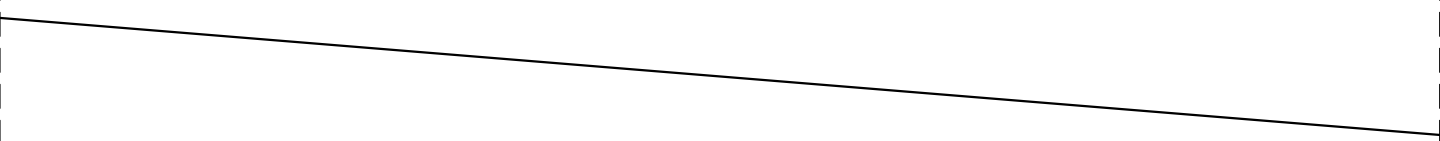
12R RIGHT FLOAT
1 FOAM BOARD
FT SIMPLE CUB - v.1.1

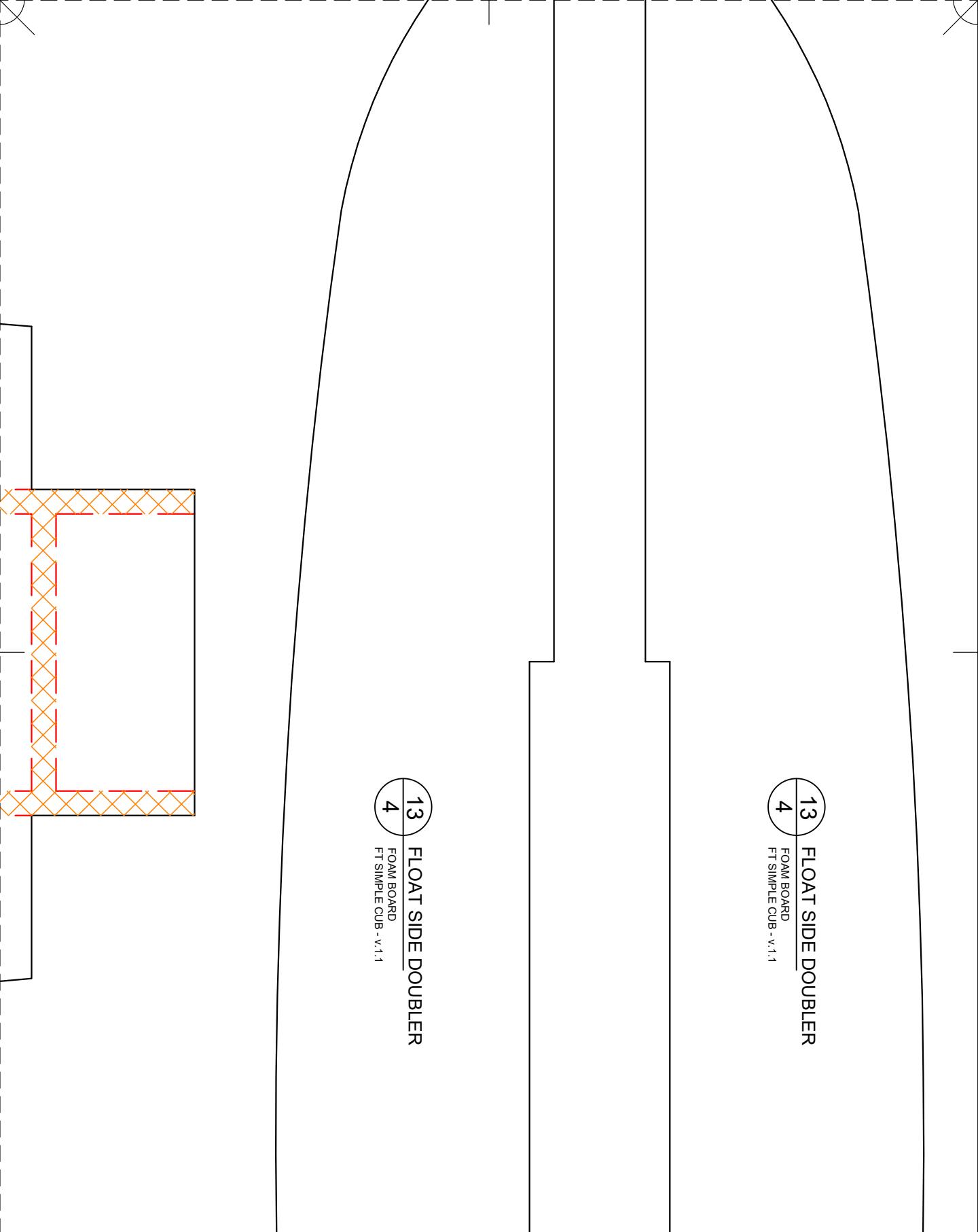


SKEWER



WIRE





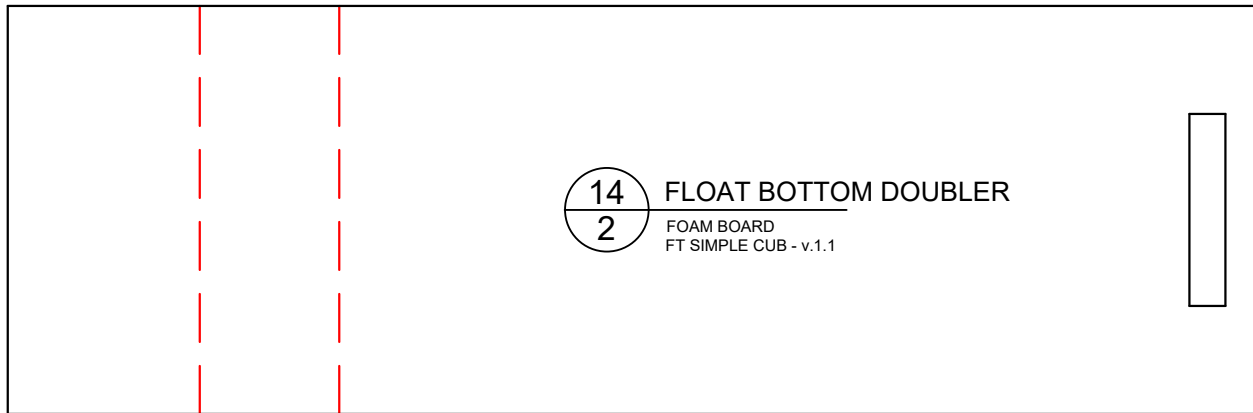
13
FOAM BOARD
FT SIMPLE CUB - v.1.1

FLOAT SIDE DOUBLER

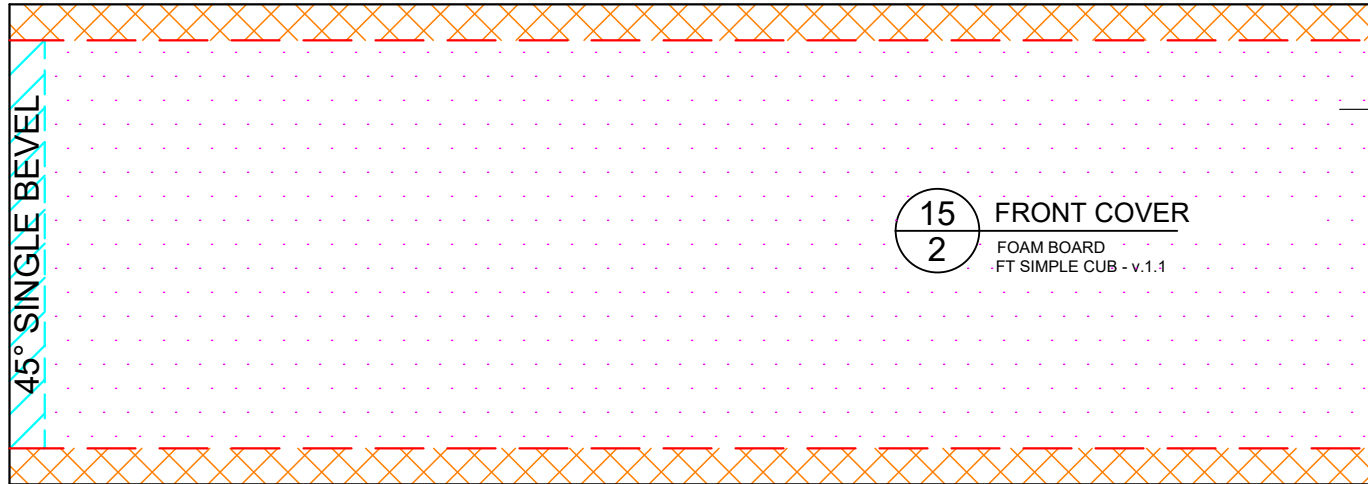
13
FOAM BOARD
FT SIMPLE CUB - v.1.1

FLOAT SIDE DOUBLER



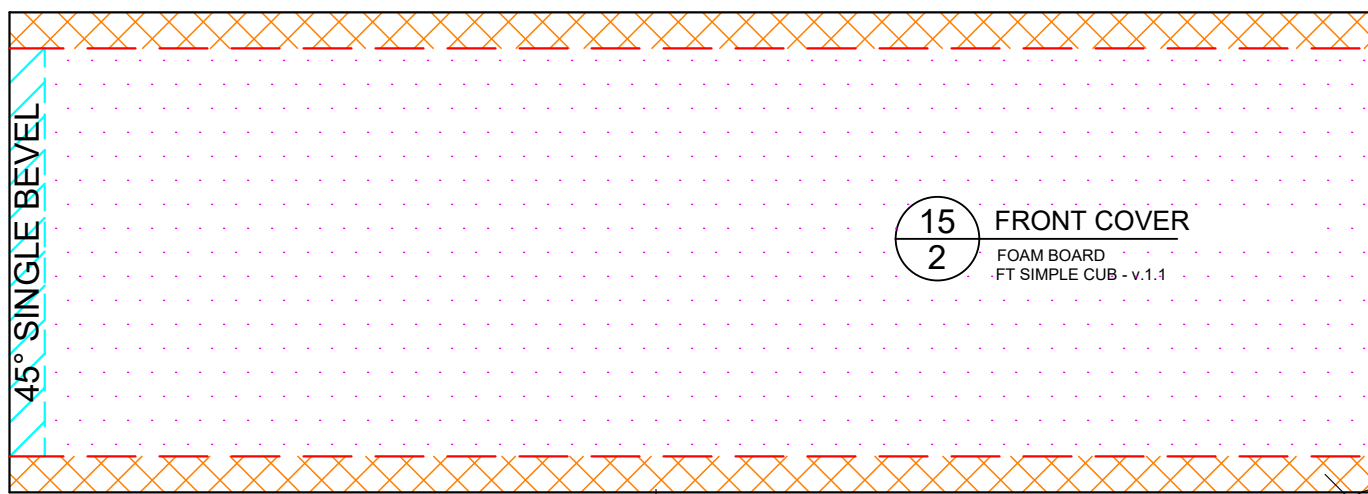


14 FLOAT BOTTOM DOUBLER
2 FOAM BOARD
FT SIMPLE CUB - v.1.1



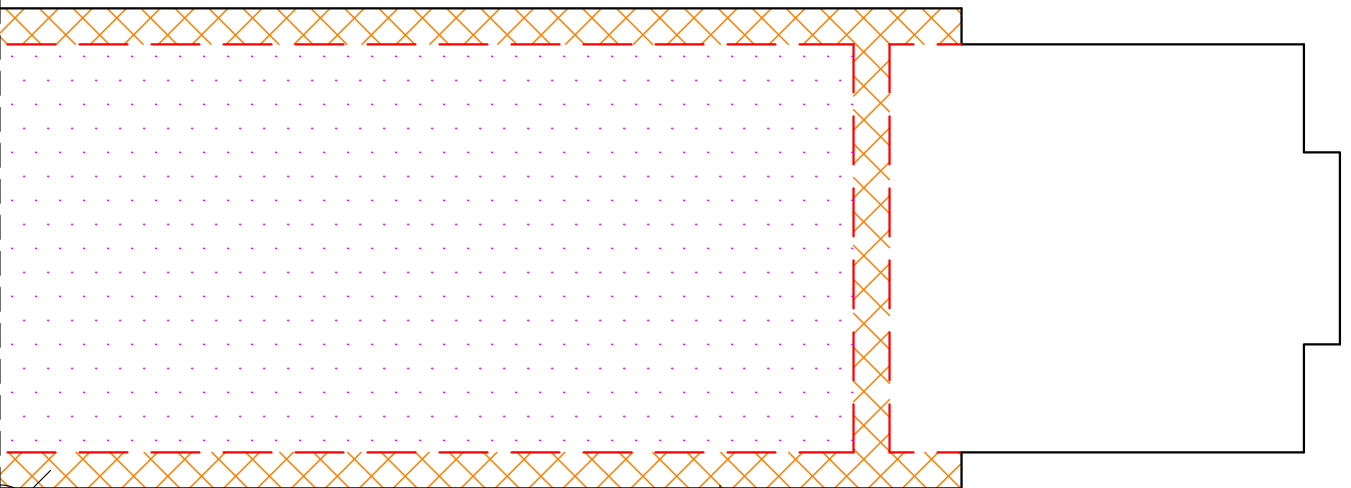
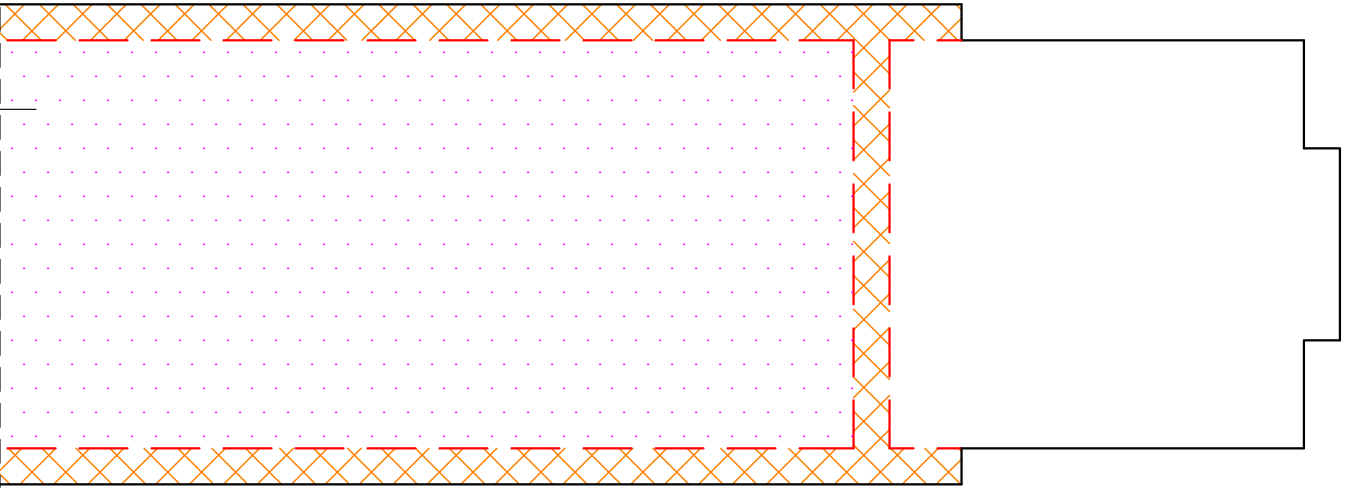
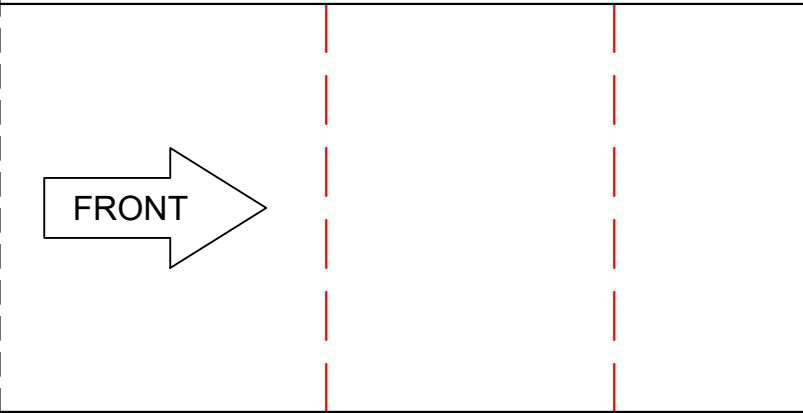
45° SINGLE BEVEL

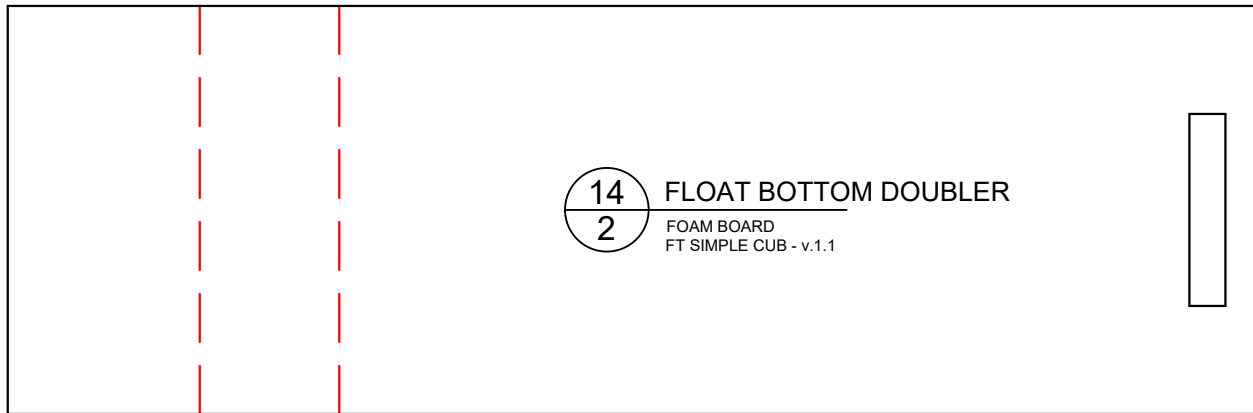
15 FRONT COVER
2 FOAM BOARD
FT SIMPLE CUB - v.1.1



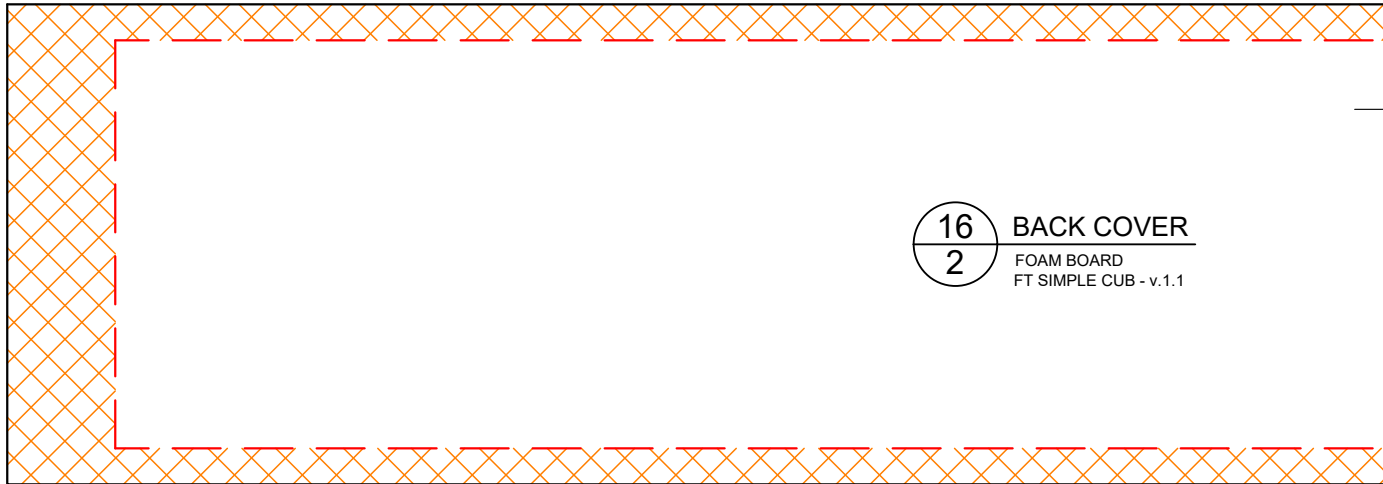
45° SINGLE BEVEL

15 FRONT COVER
2 FOAM BOARD
FT SIMPLE CUB - v.1.1

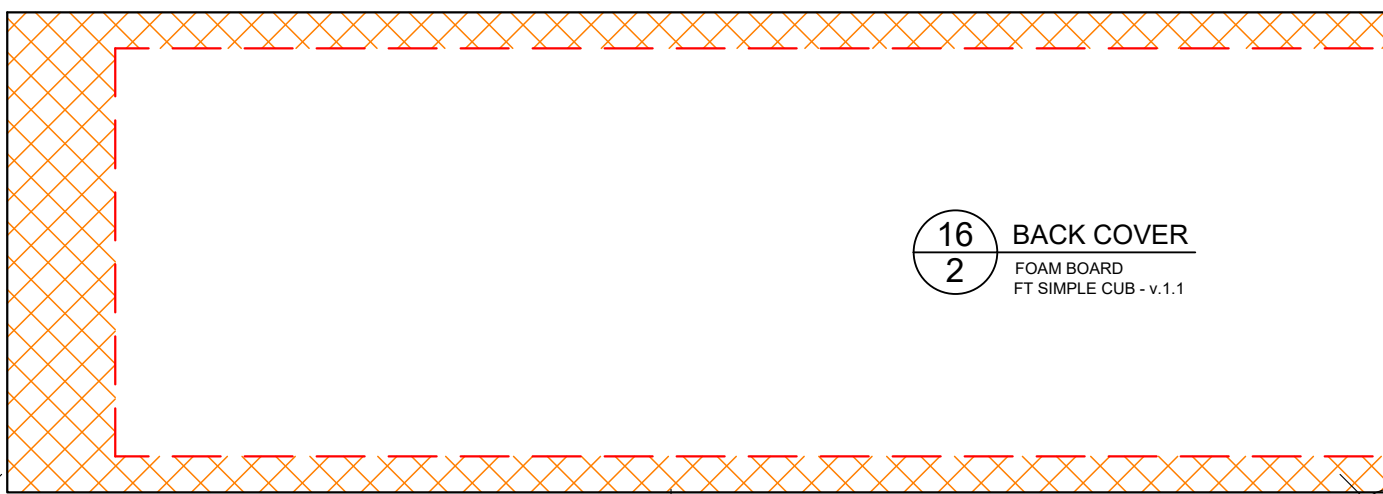




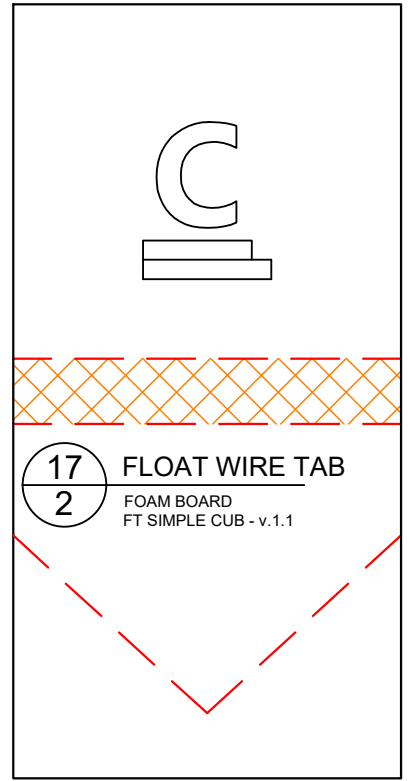
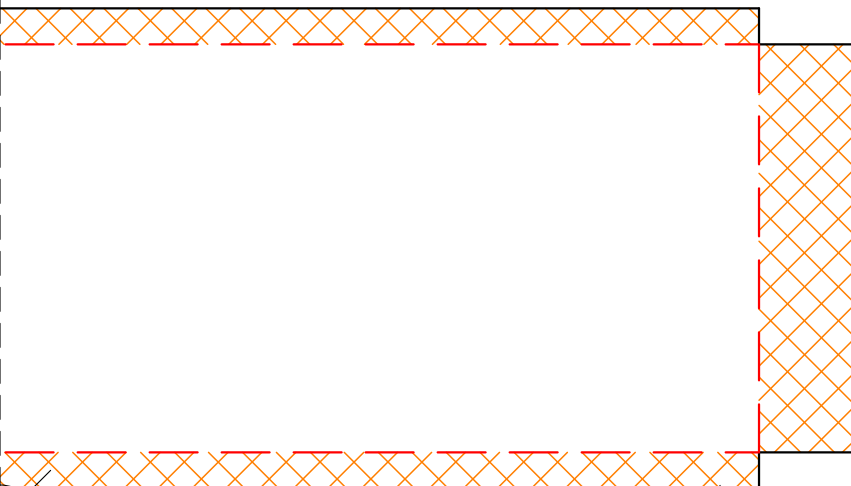
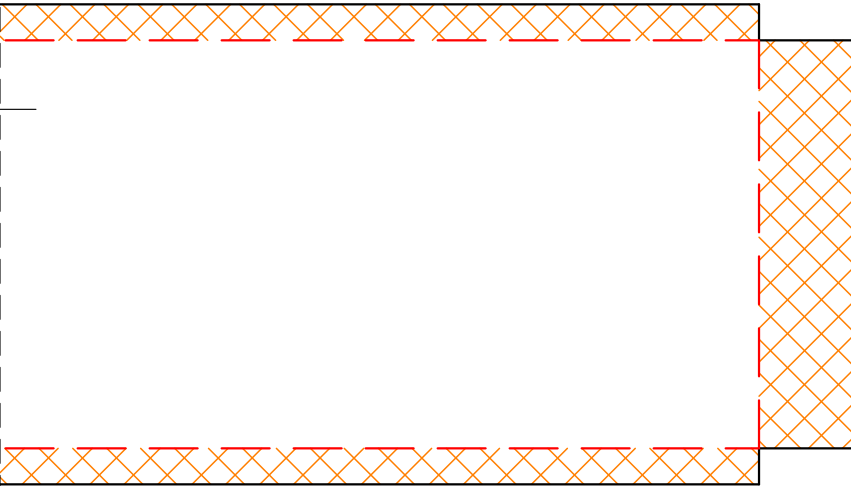
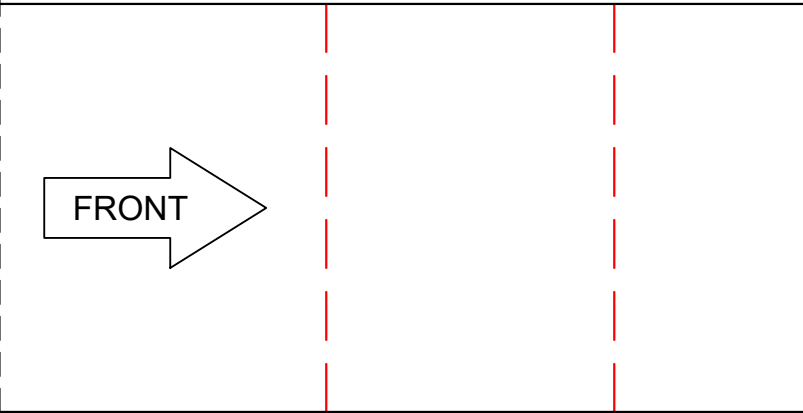
14 FLOAT BOTTOM DOUBLER
2 FOAM BOARD
FT SIMPLE CUB - v.1.1



16 BACK COVER
2 FOAM BOARD
FT SIMPLE CUB - v.1.1

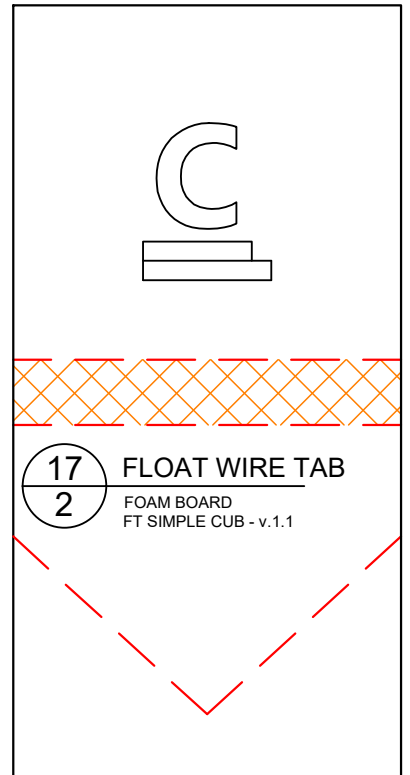


16 BACK COVER
2 FOAM BOARD
FT SIMPLE CUB - v.1.1



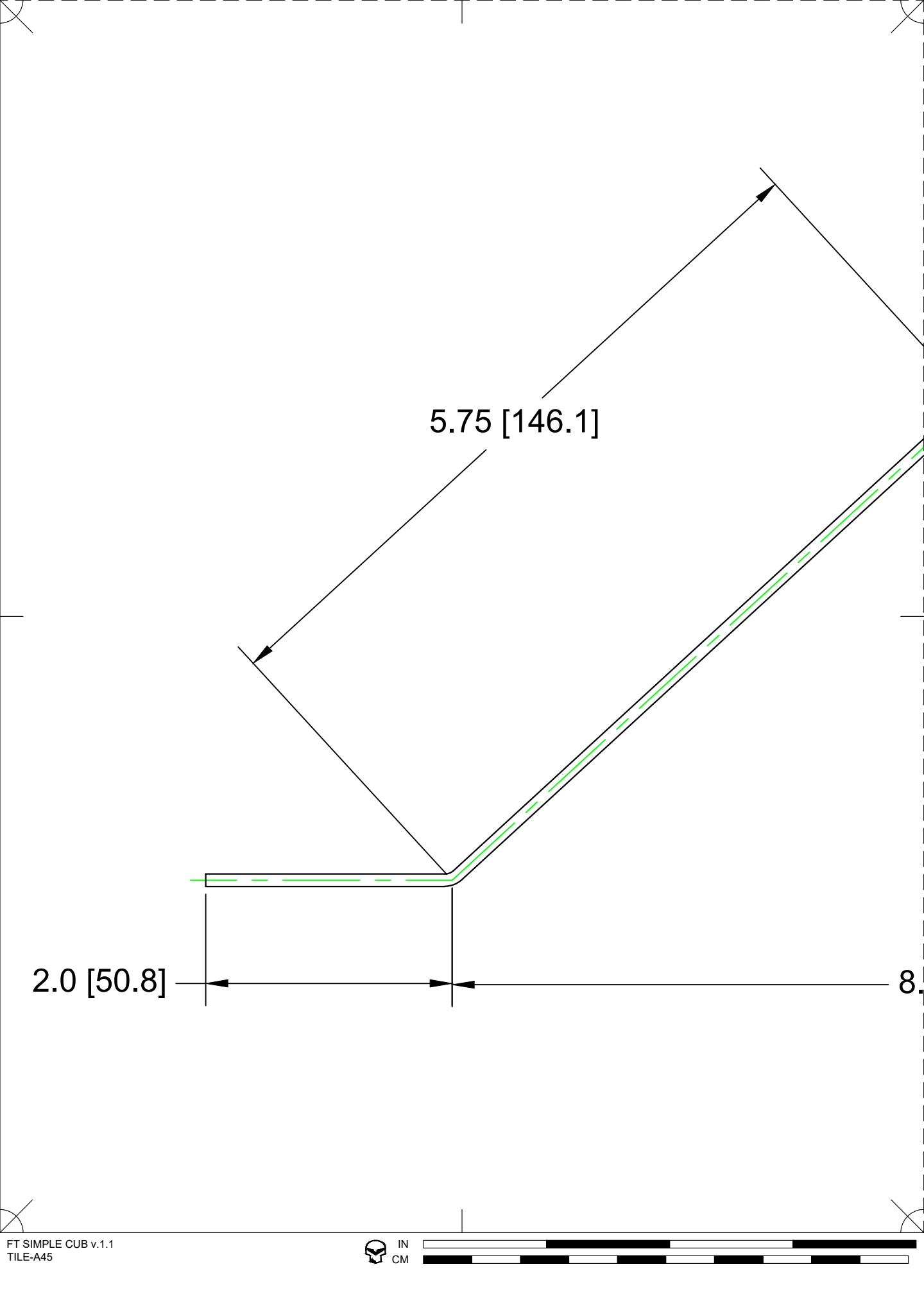
17
2

FLOAT WIRE TAB
FOAM BOARD
FT SIMPLE CUB - v.1.1



17
2

FLOAT WIRE TAB
FOAM BOARD
FT SIMPLE CUB - v.1.1



5.75 [146.1]

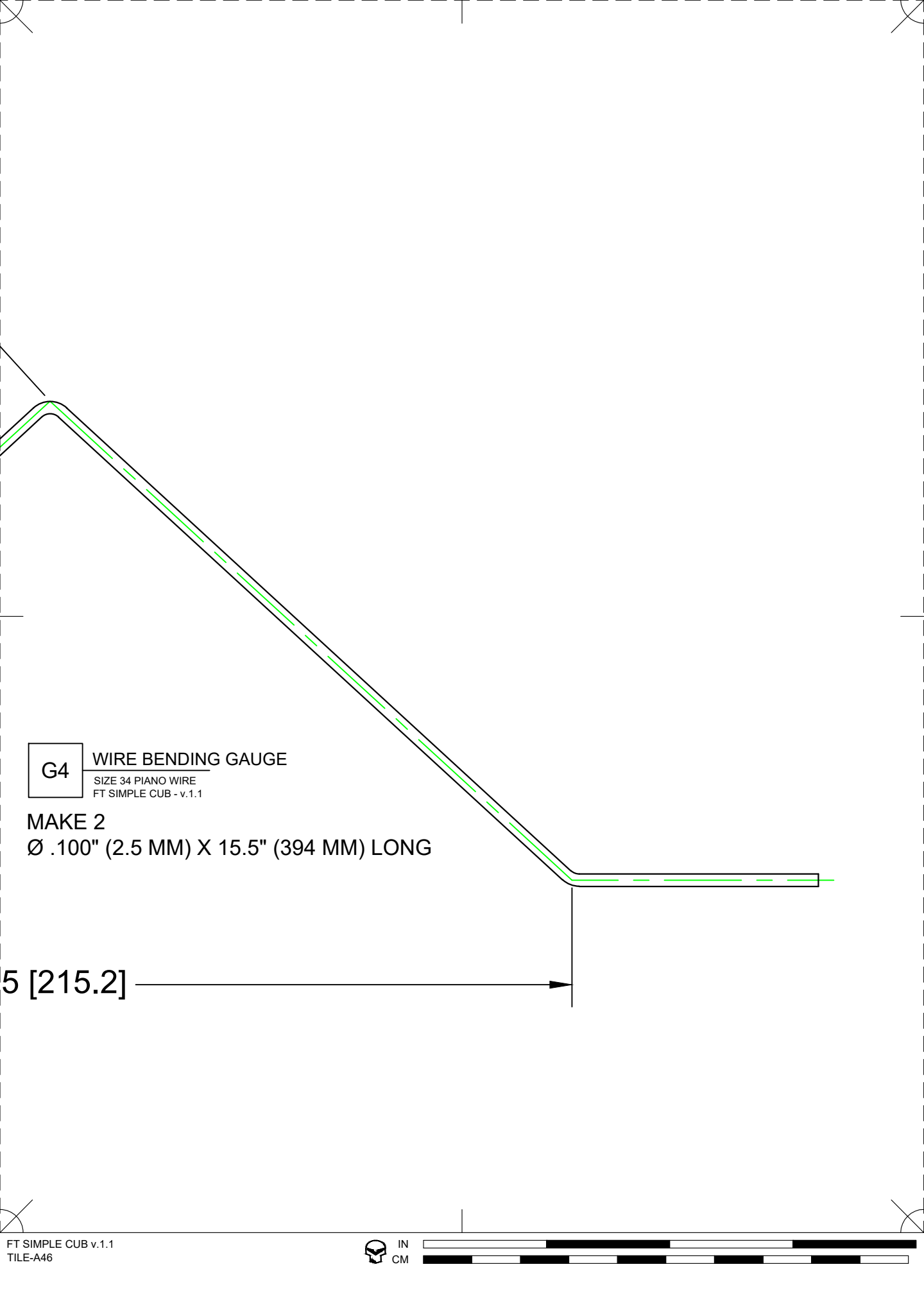
2.0 [50.8]

8



IN
CM





G4

WIRE BENDING GAUGE

SIZE 34 PIANO WIRE
FT SIMPLE CUB - v.1.1

MAKE 2

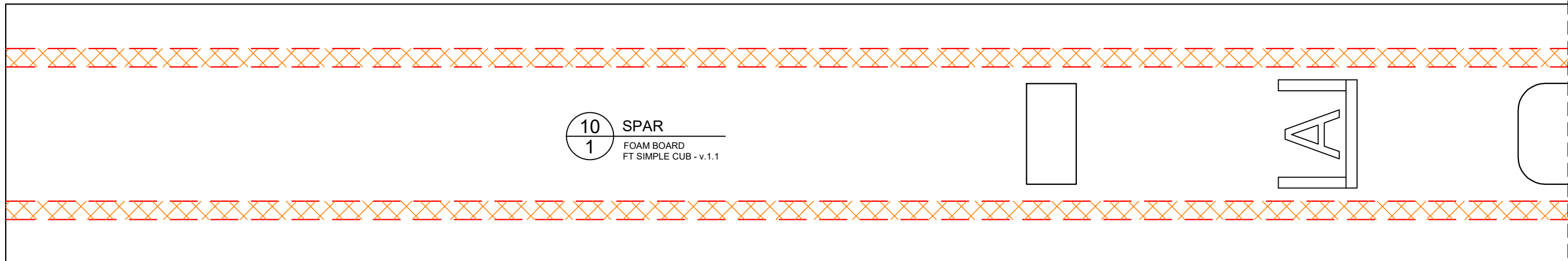
Ø .100" (2.5 MM) X 15.5" (394 MM) LONG

5 [215.2]

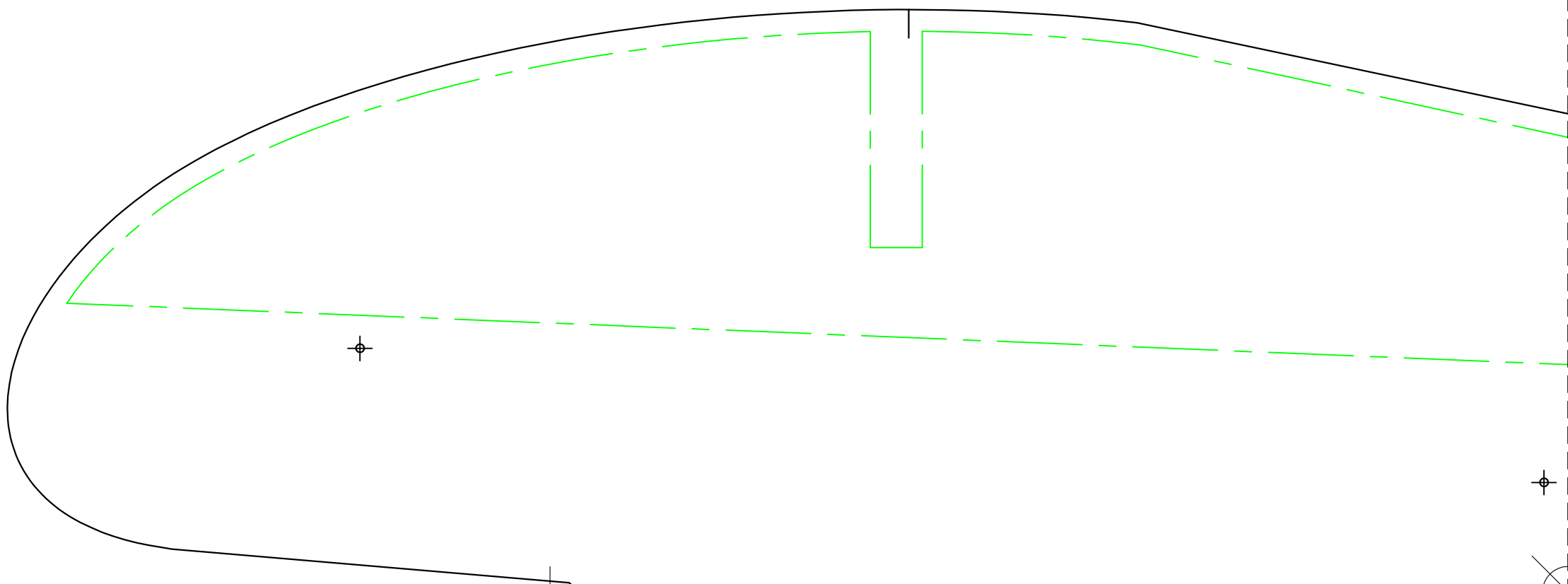


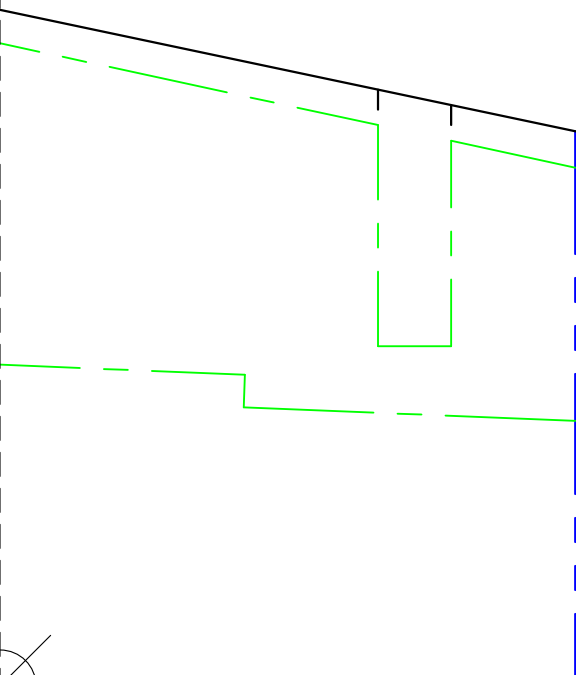
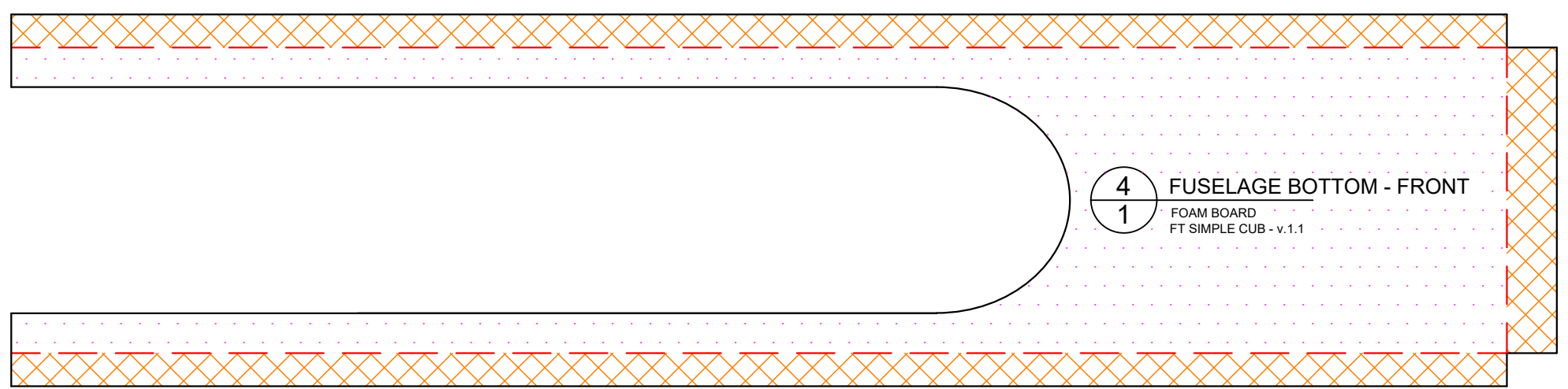
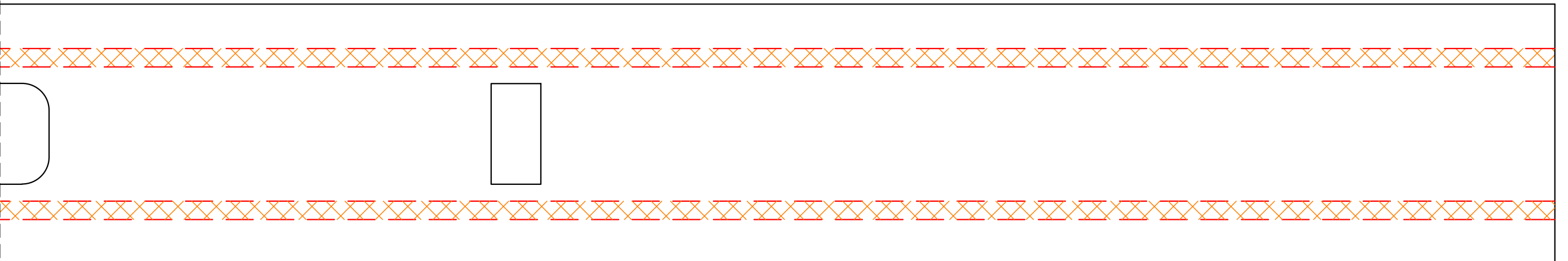
IN
CM

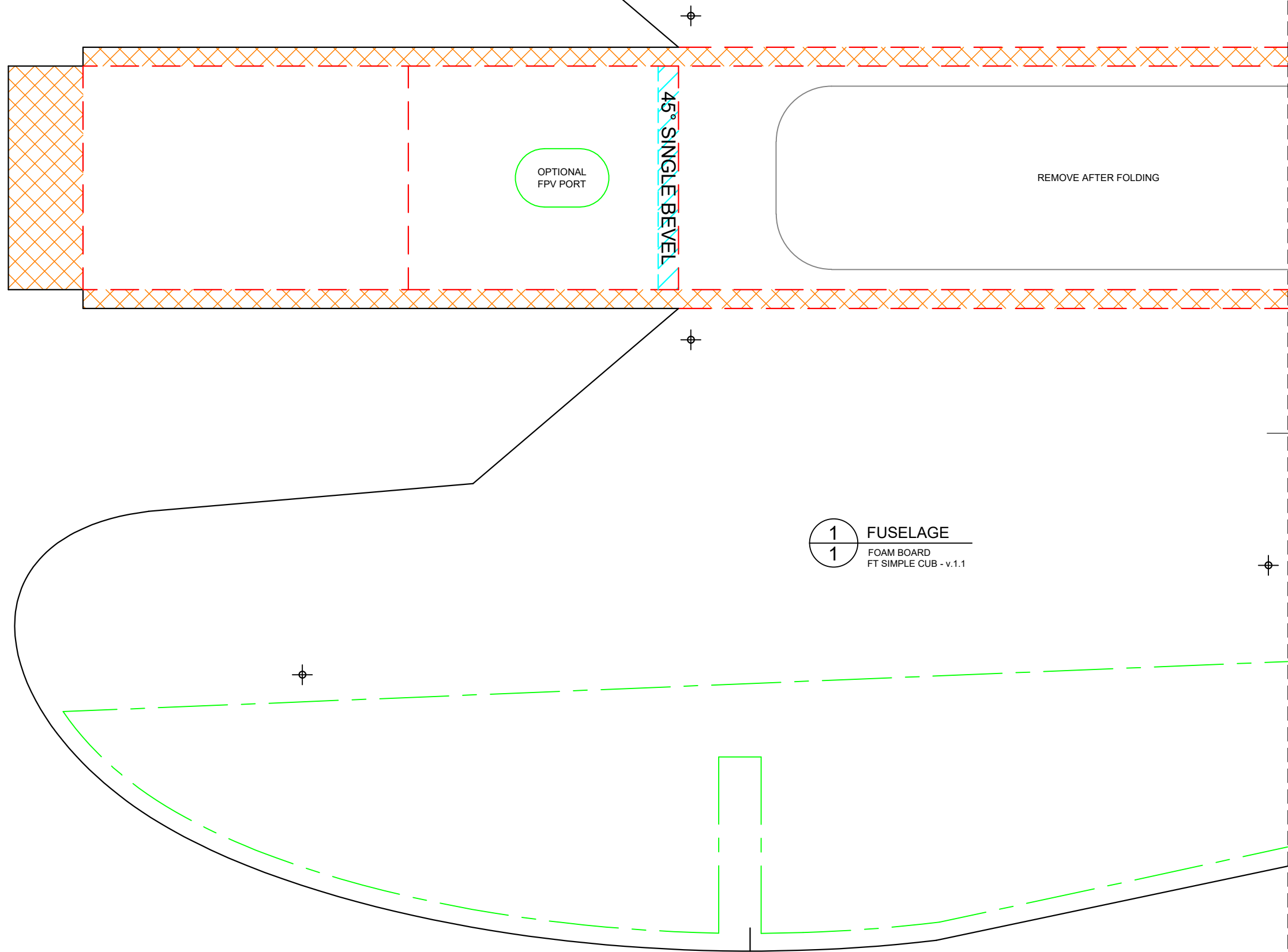


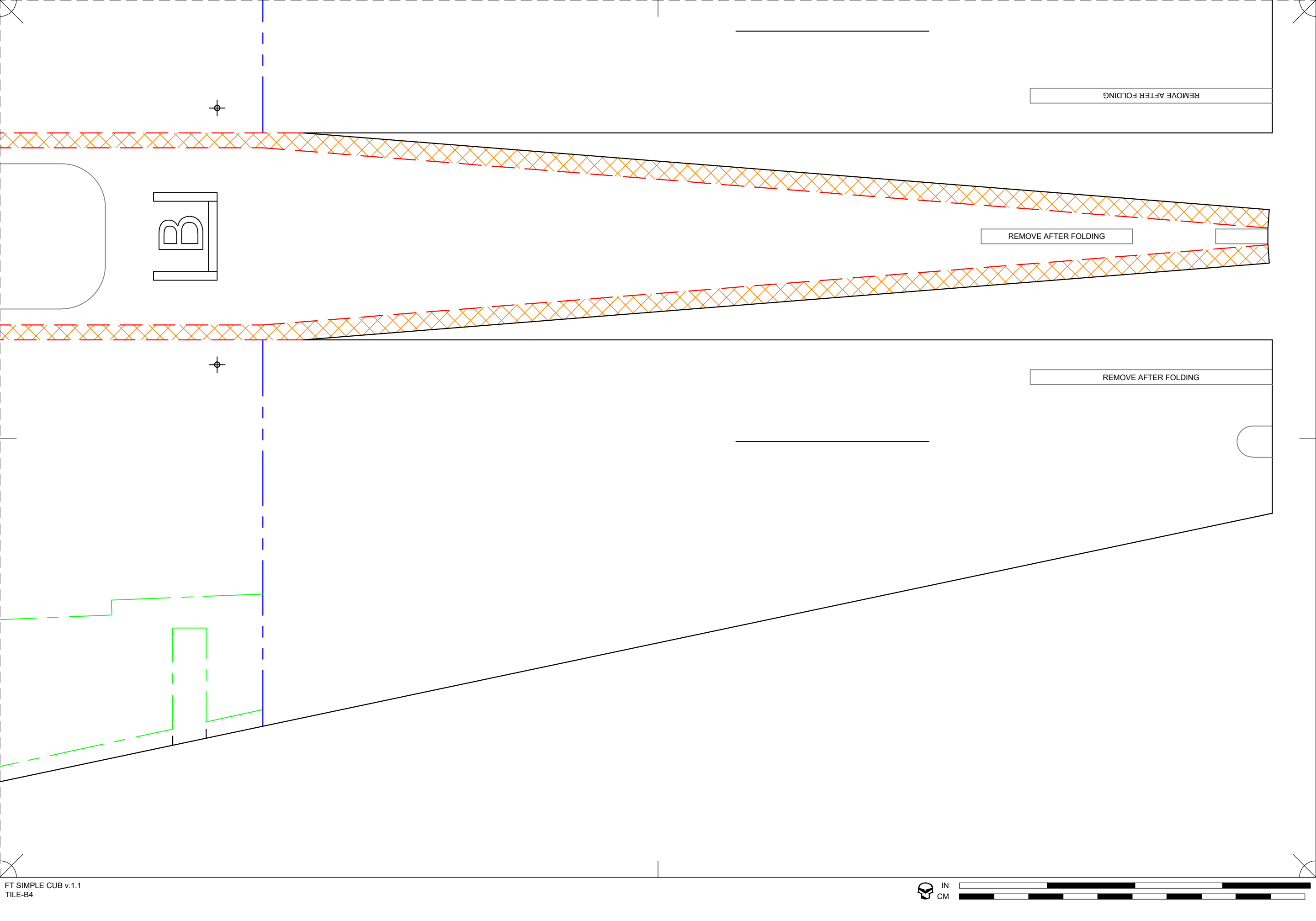


10 SPAR
1 FOAM BOARD
FT SIMPLE CUB - v.1.1







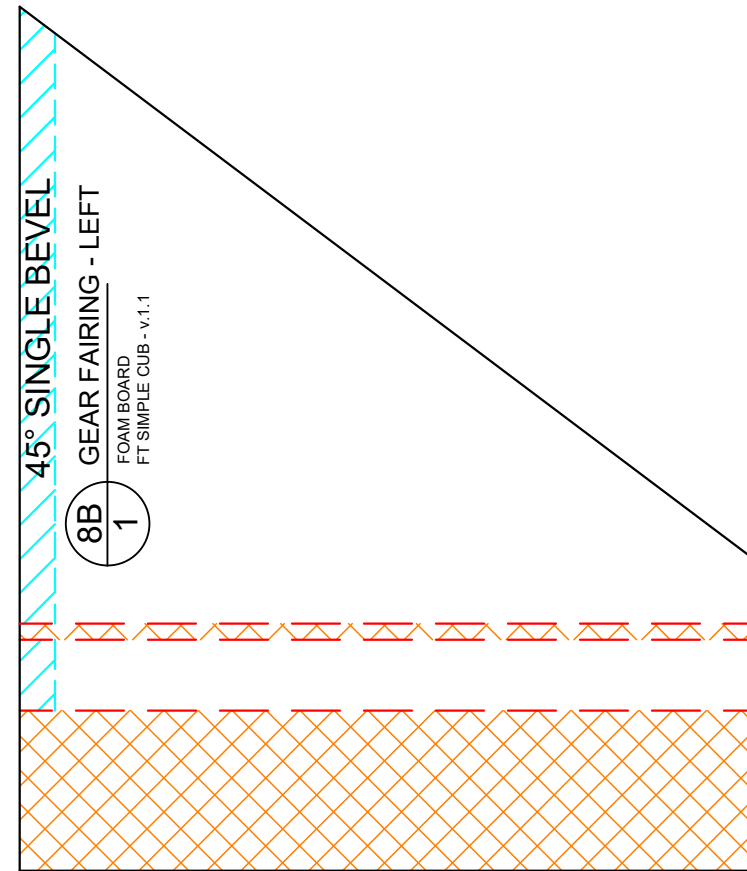
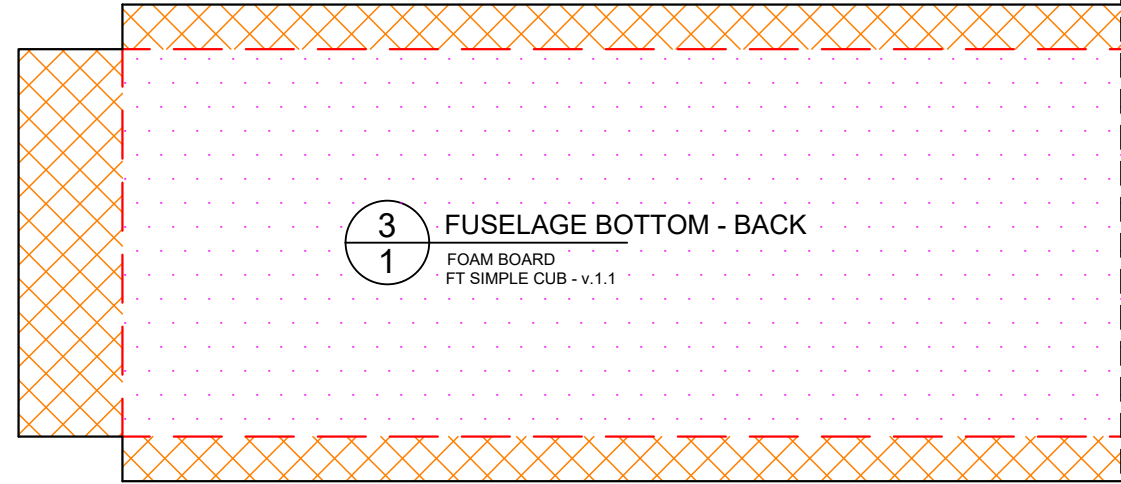
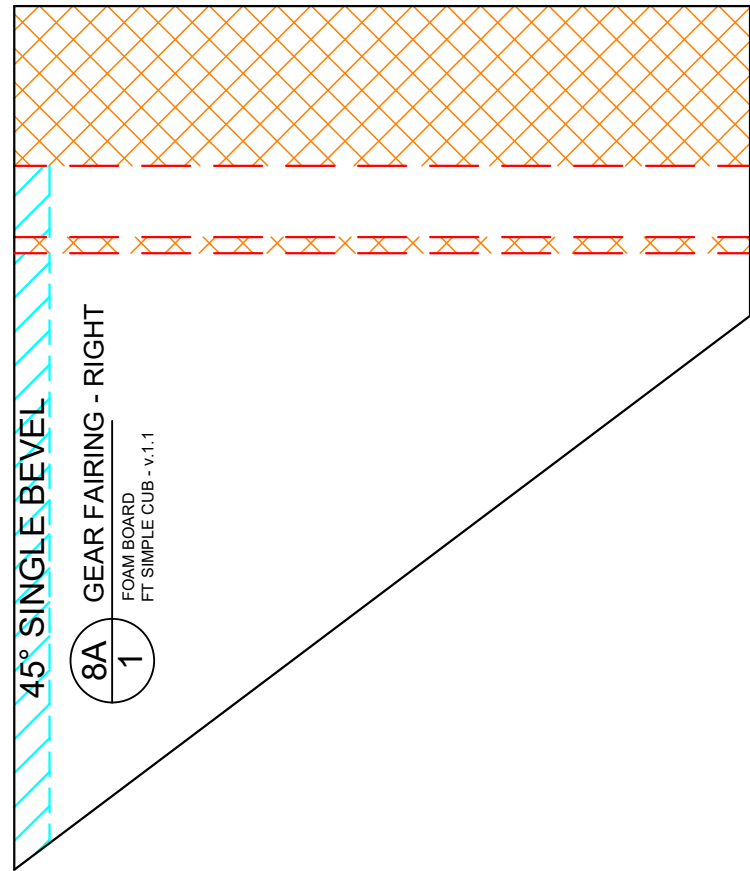
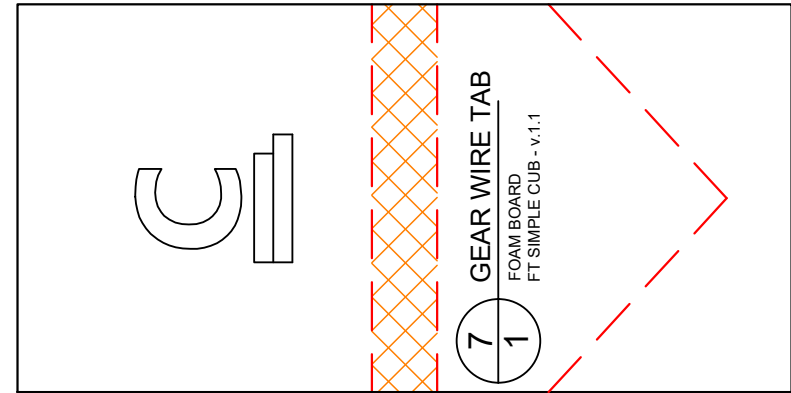


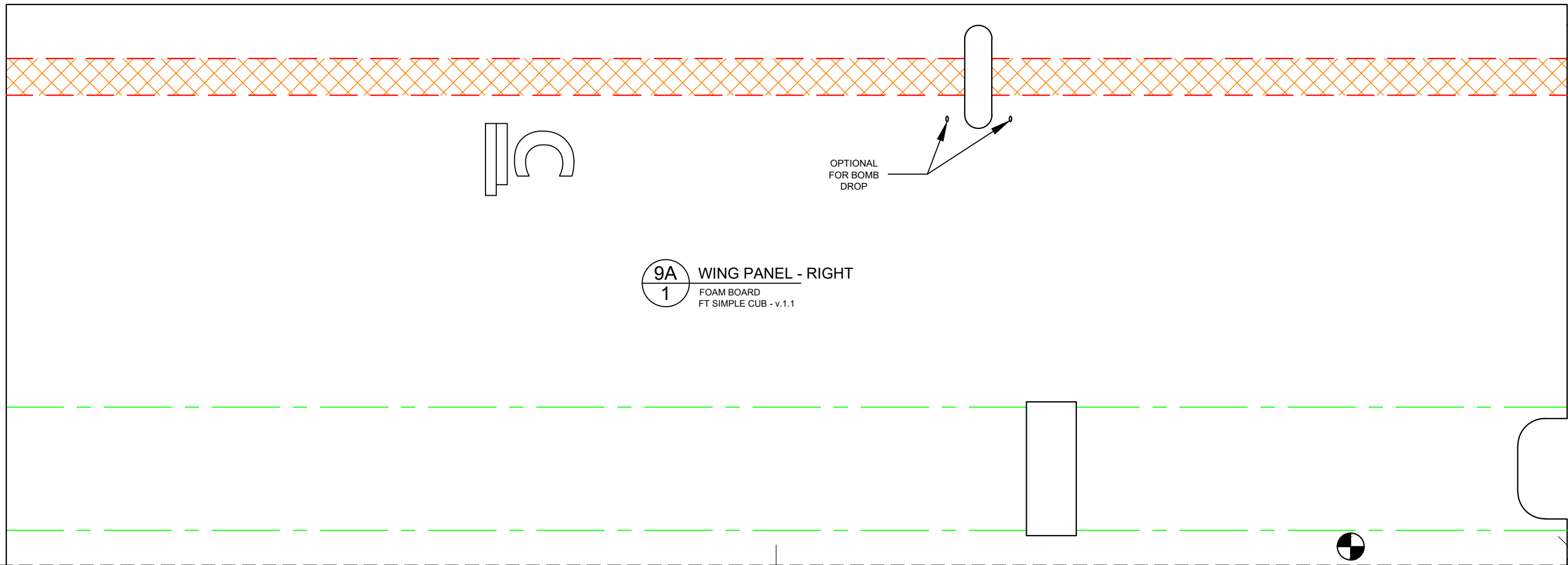
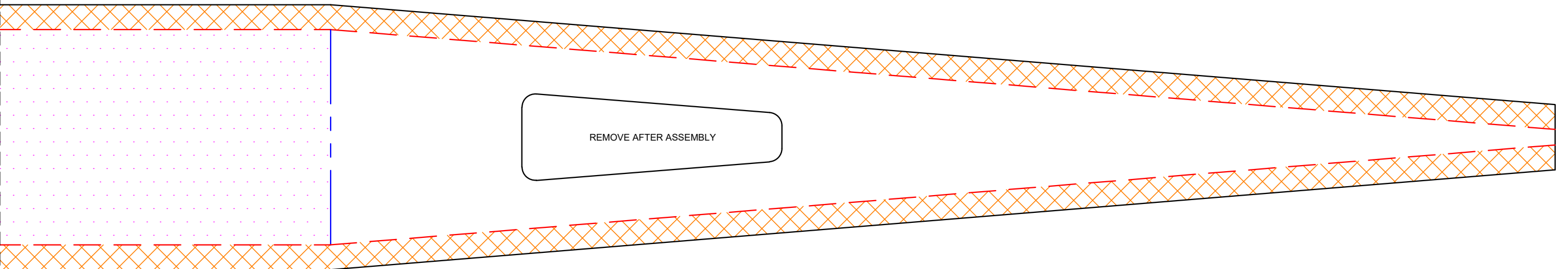
REMOVE AFTER FOLDING

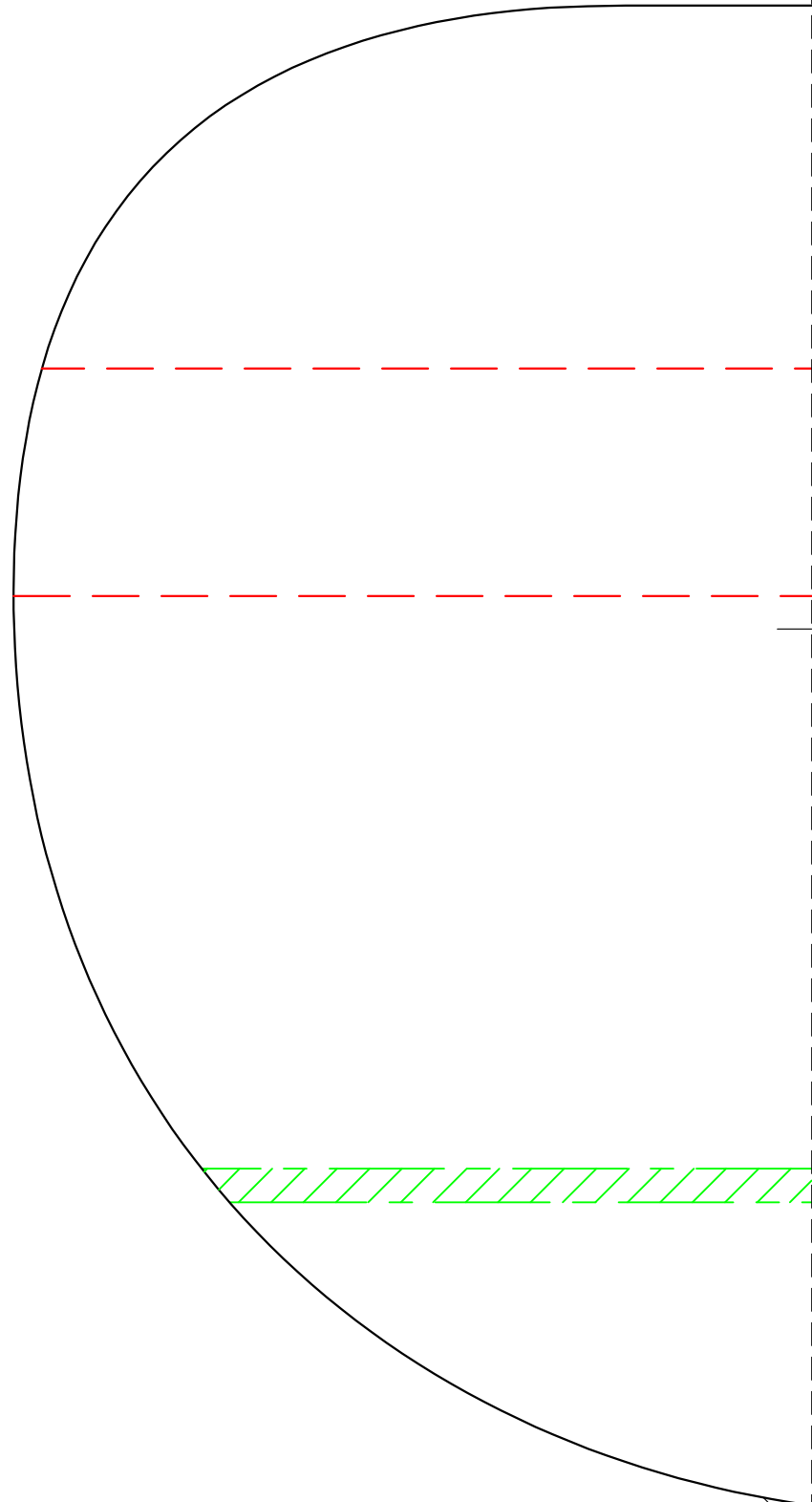
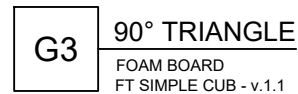
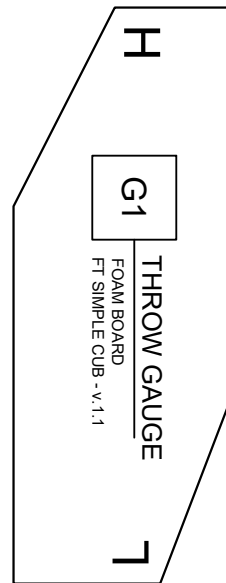
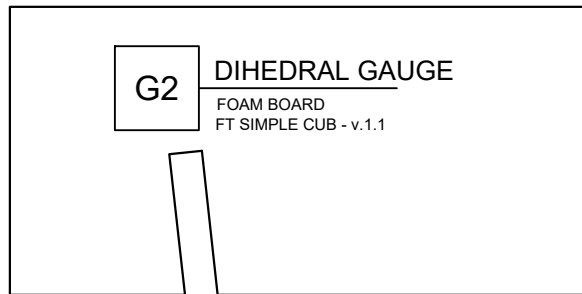
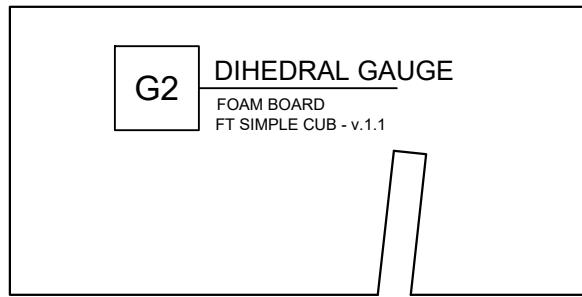
REMOVE AFTER FOLDING

REMOVE AFTER FOLDING



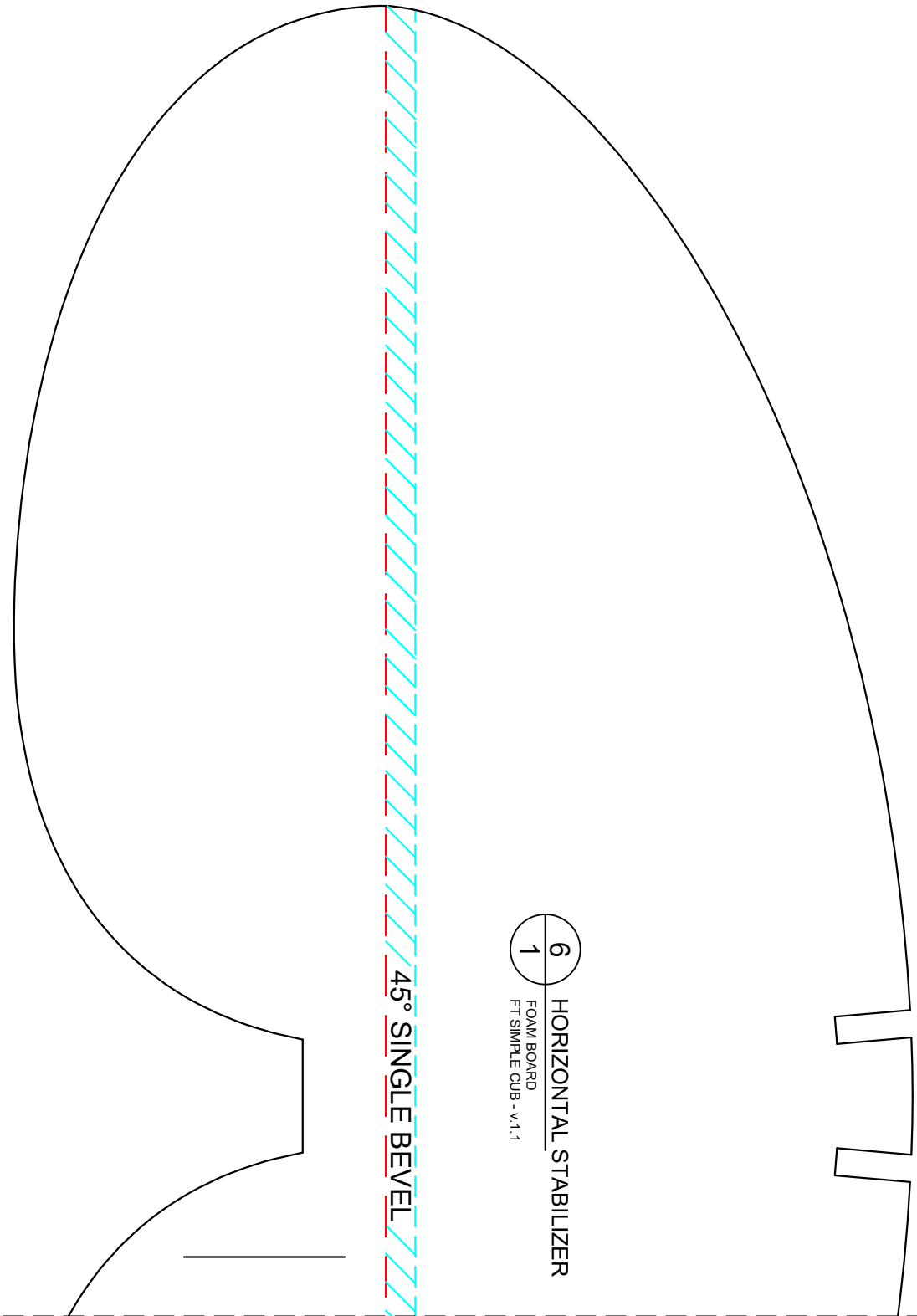






45° DOUBLE BEVEL

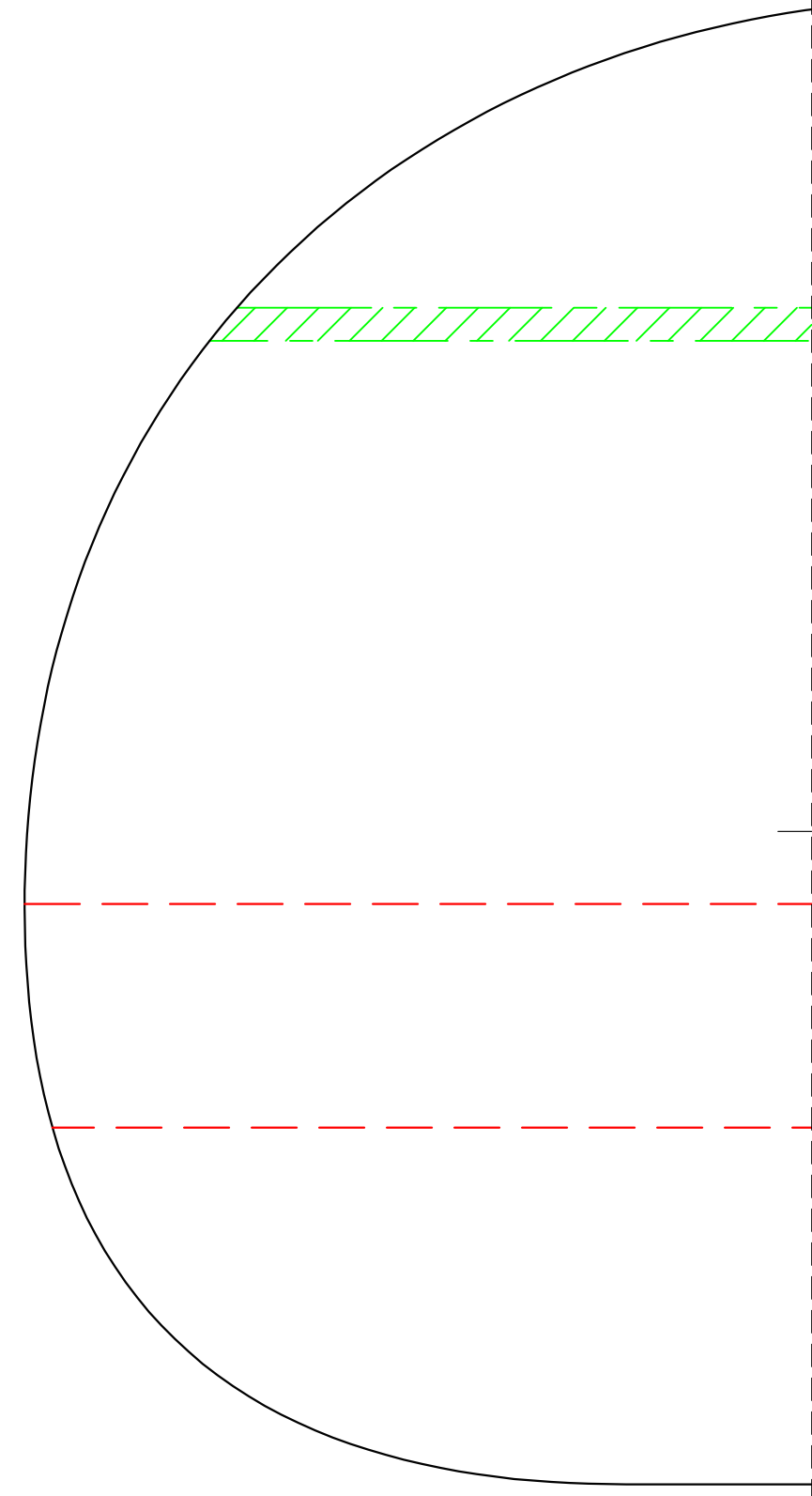
45° SINGLE BEVEL



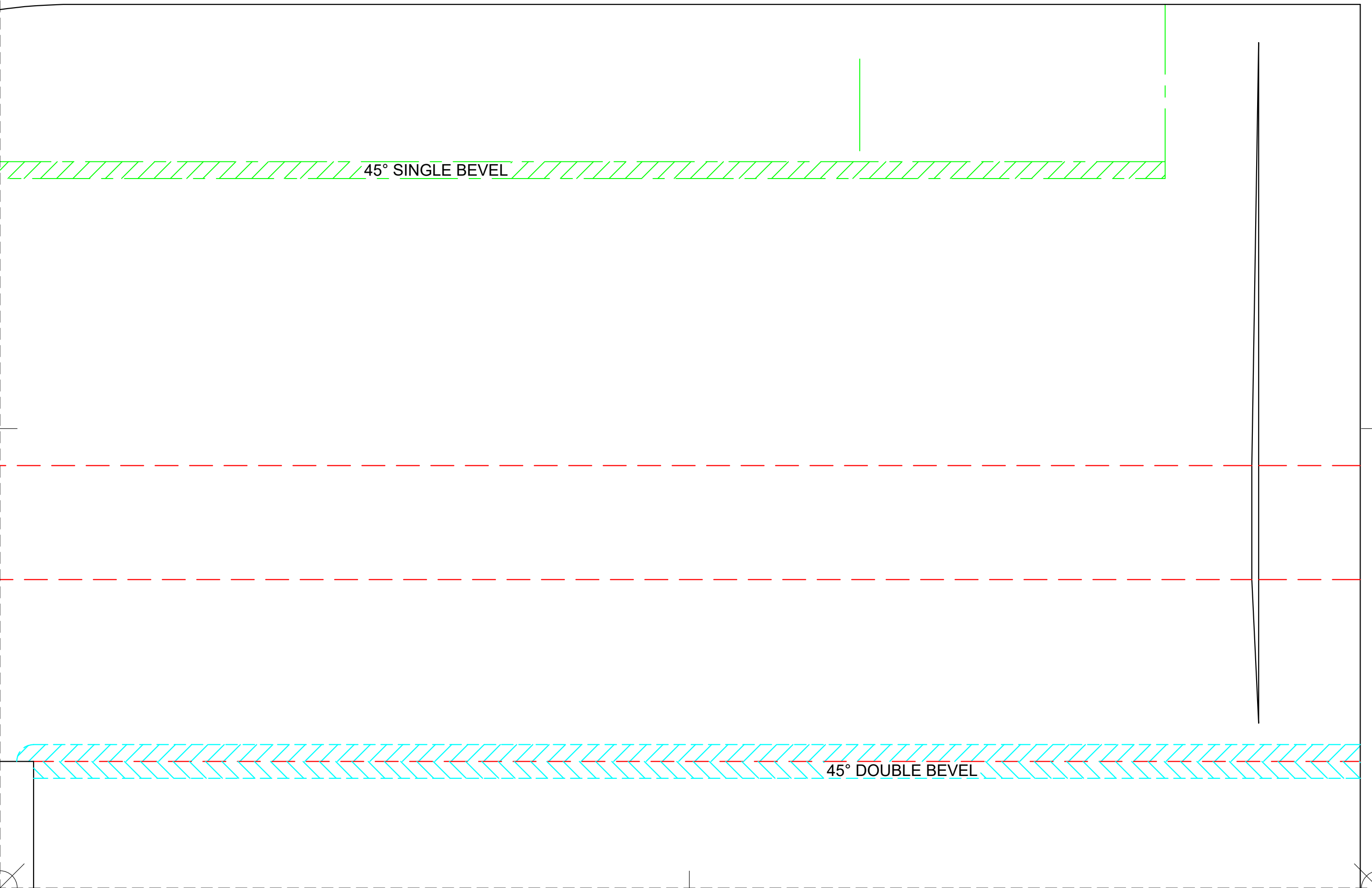
6
1
FOAM BOARD
FT SIMPLE CUB - v.1.1

HORIZONTAL STABILIZER

45° SINGLE BEVEL

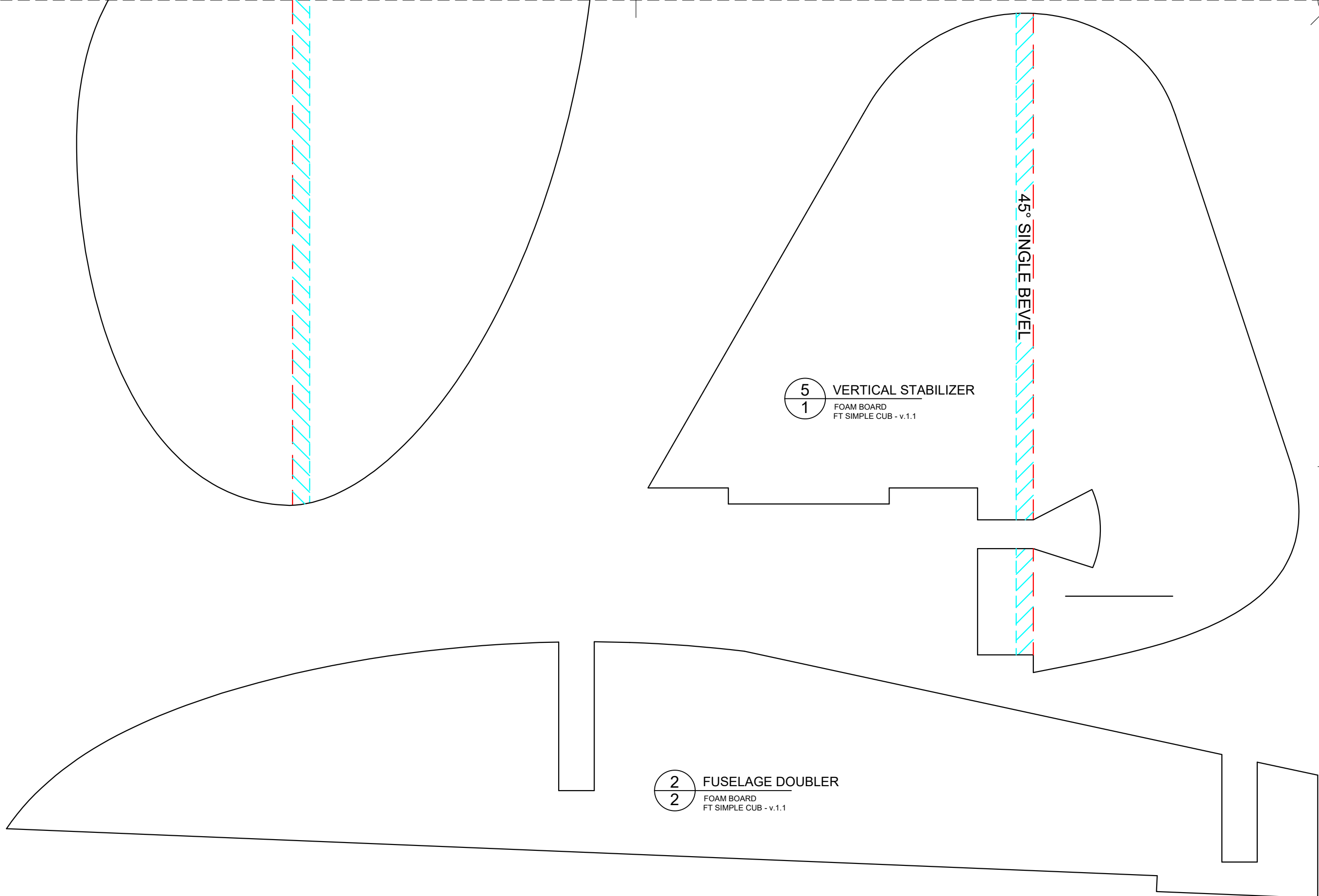


45° SINGLE BEVEL



45° SINGLE BEVEL

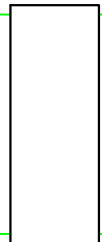
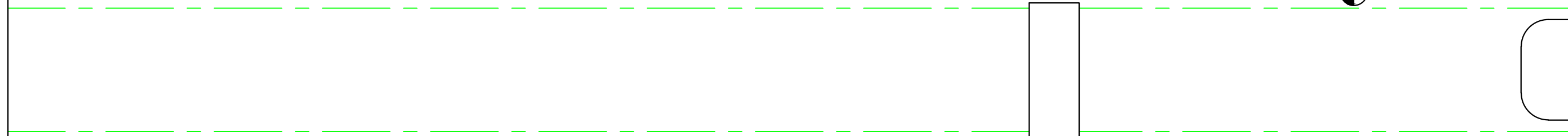
45° DOUBLE BEVEL



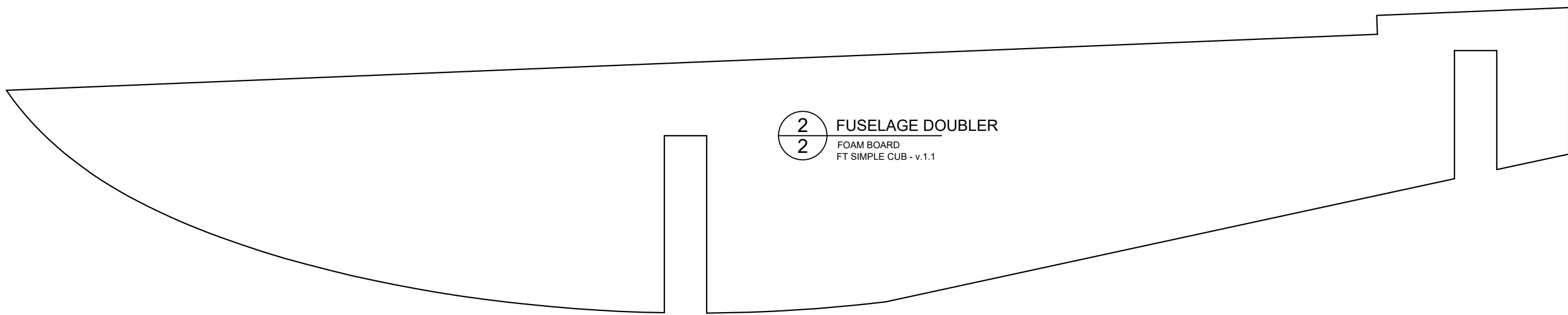
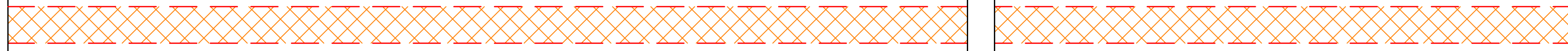
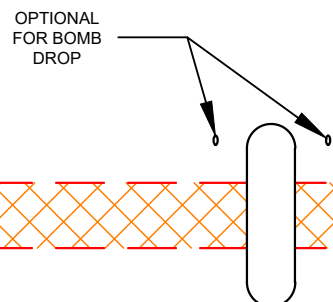
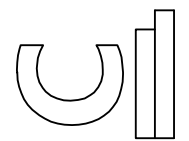
5 VERTICAL STABILIZER
1 FOAM BOARD
FT SIMPLE CUB - v.1.1

2 FUSELAGE DOUBLER
2 FOAM BOARD
FT SIMPLE CUB - v.1.1

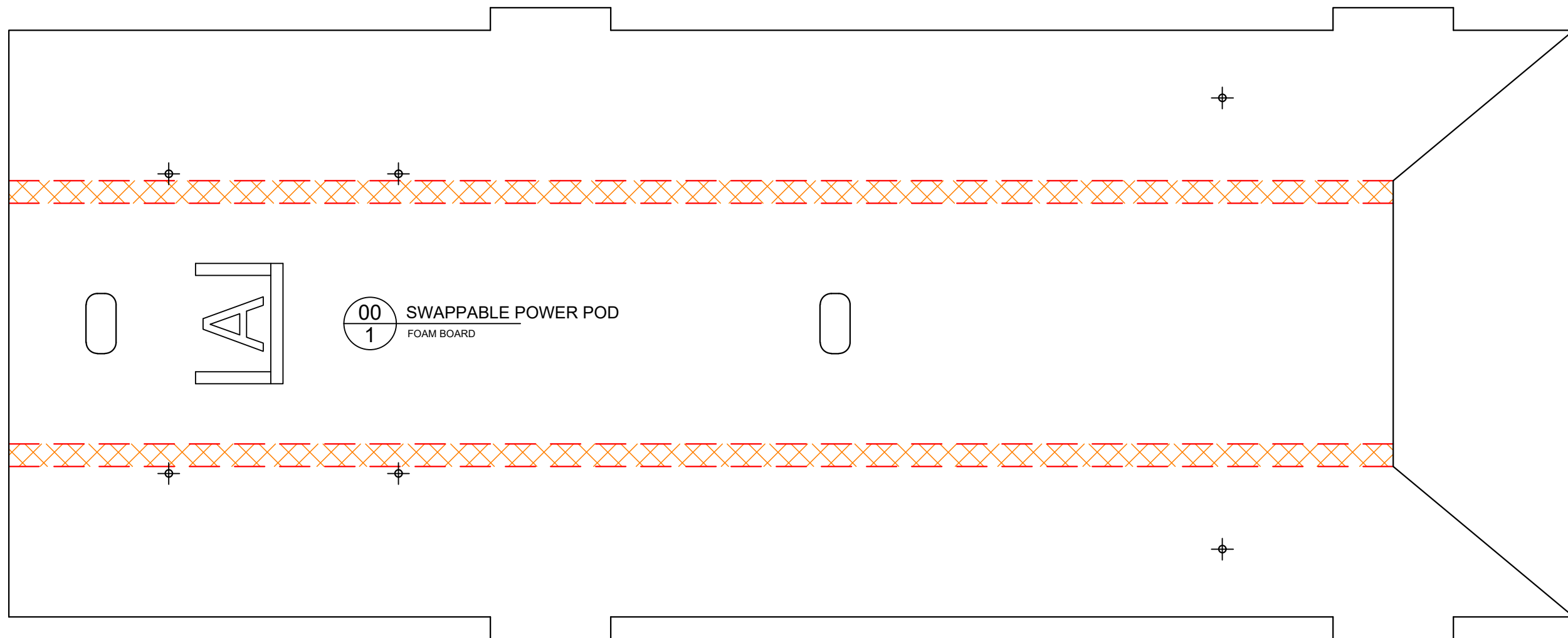
45° SINGLE BEVEL



9B WING PANEL - LEFT
1 FOAM BOARD
 FT SIMPLE CUB - v.1.1



2 FUSELAGE DOUBLER
2 FOAM BOARD
 FT SIMPLE CUB - v.1.1

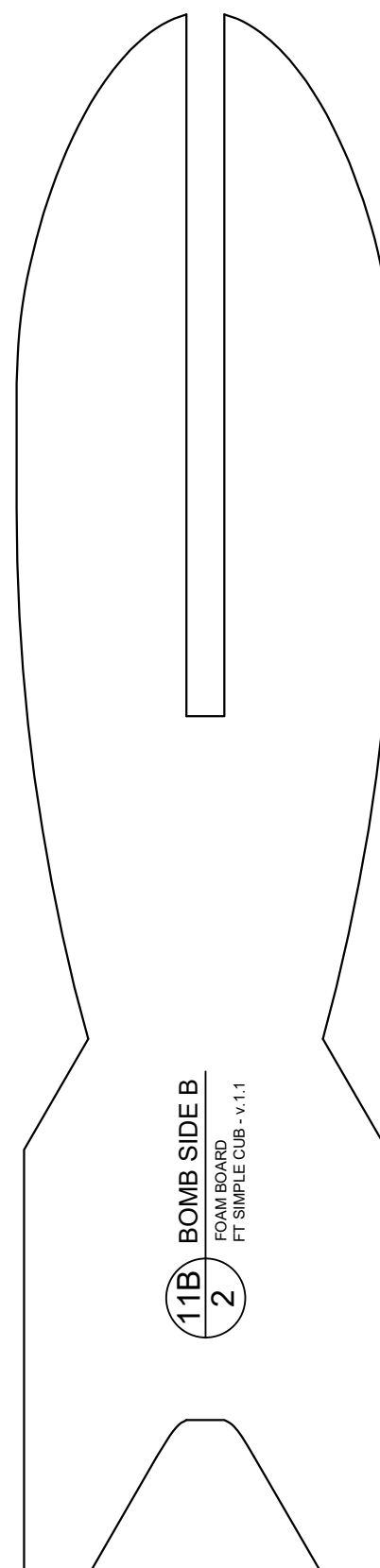
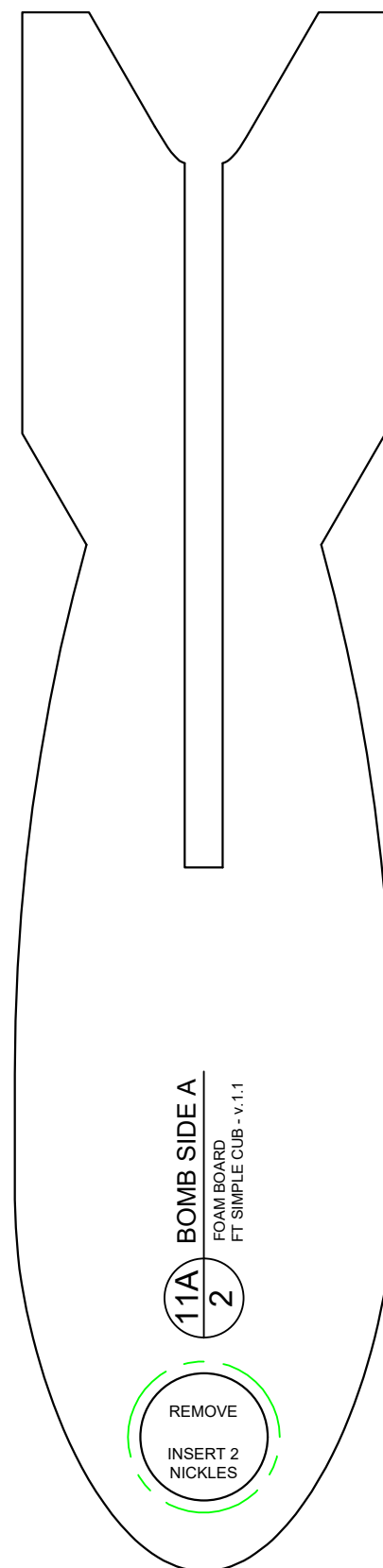
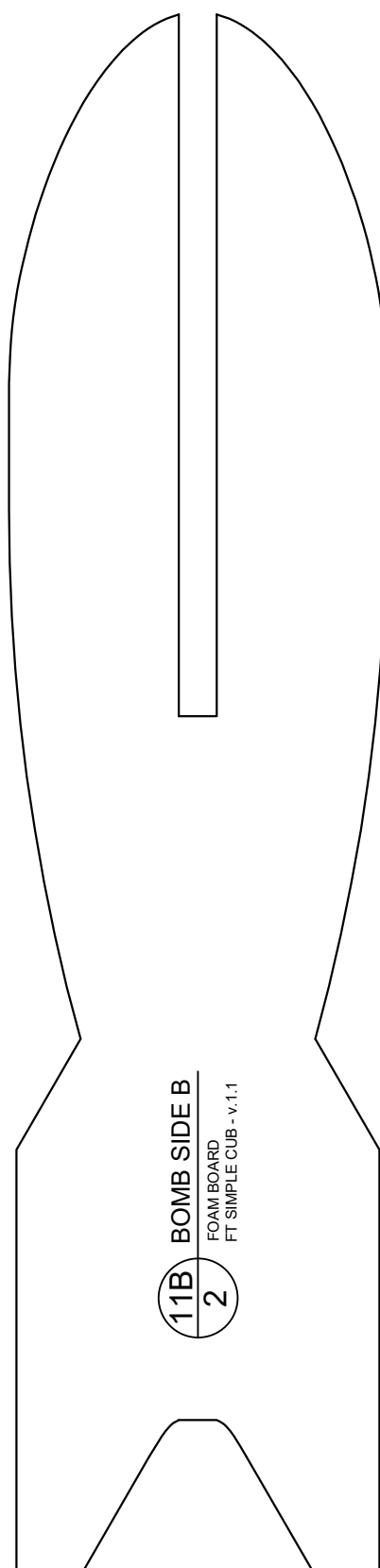
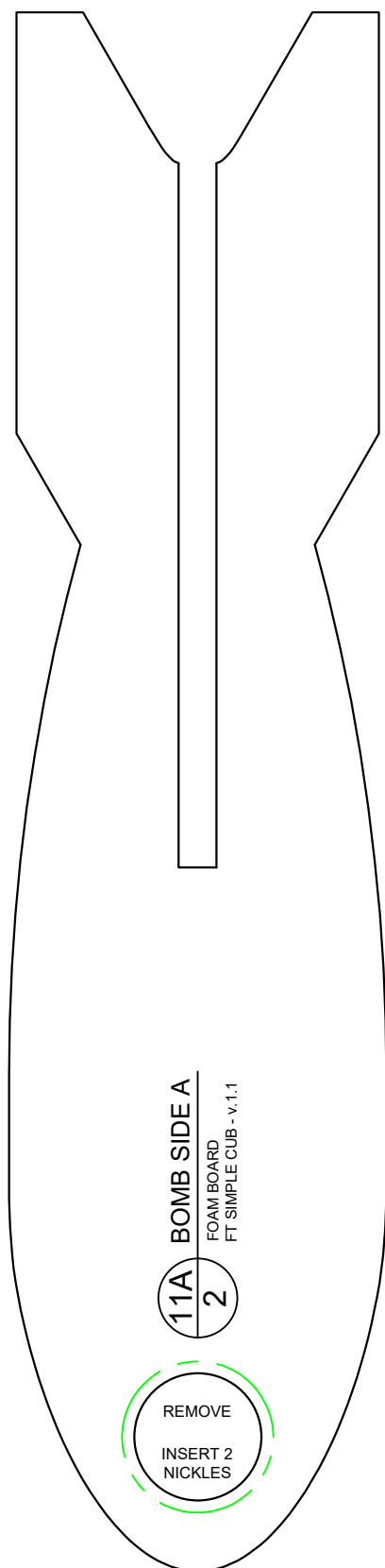


FT SWAPPABLE FIREWALL

HOBBY GRADE PLYWOOD
3/32" (2.4 mm) THICK

FT CONTROL HORN

HOBBY GRADE PLYWOOD
1/16" (1.6 mm) THICK



VINYL
WINDOW
GRAPHICS

VINYL
WINDOW
GRAPHICS

VINYL
WINDOW
GRAPHICS

VINYL
WINDOW
GRAPHICS

VINYL
WINDOW
GRAPHICS

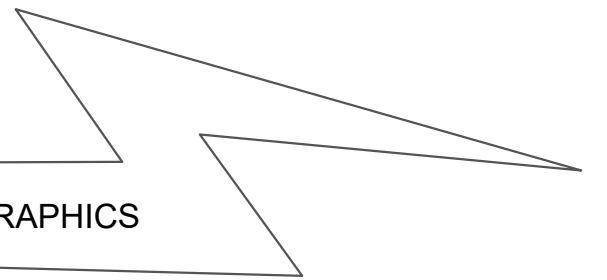
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GRAPHICS

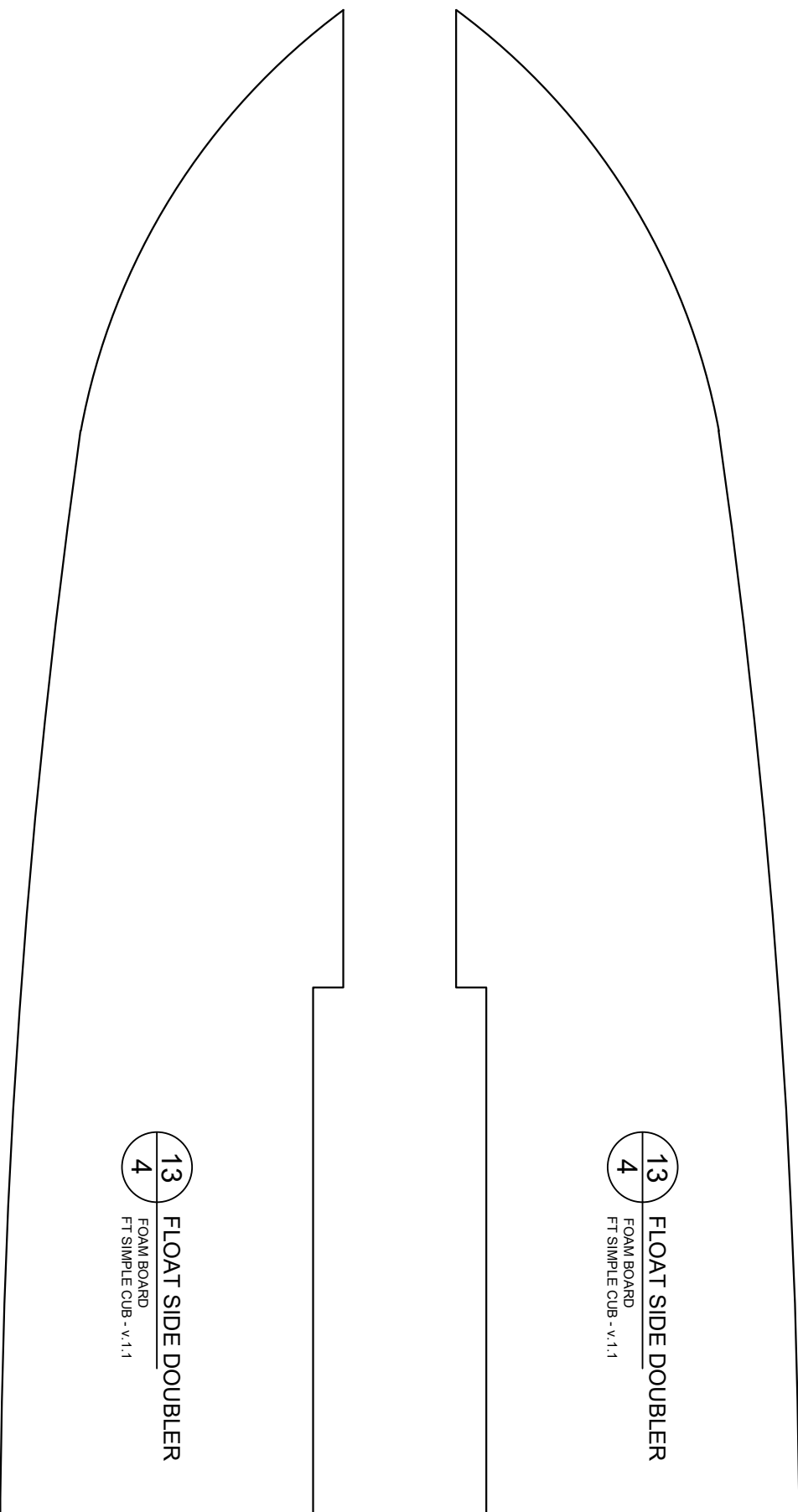
VINYL
WINDOW
GRAPHICS

VINYL LIGHTNING BOLT GRAPHICS



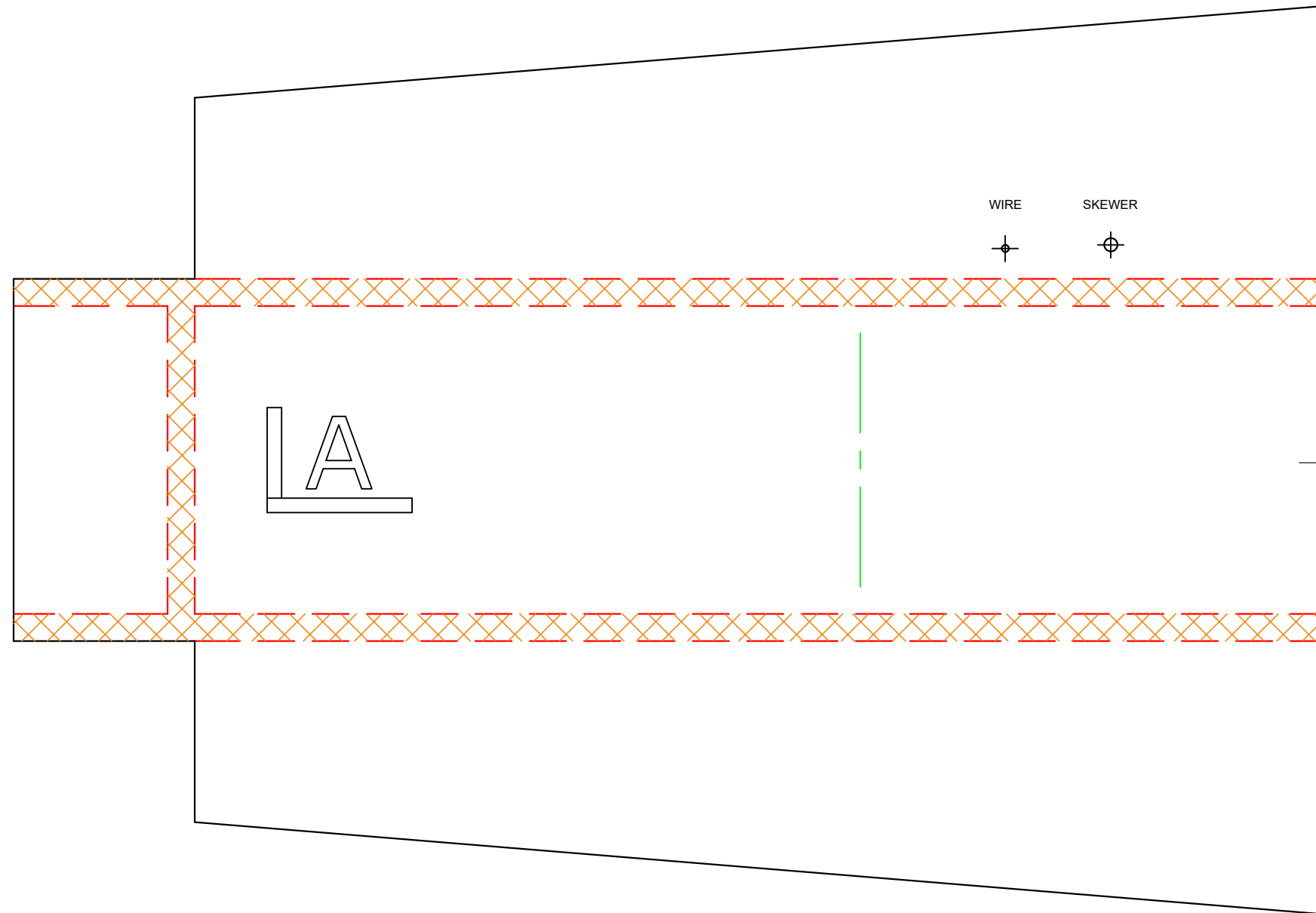
VINYL LIGHTNING BOLT GRAPHICS





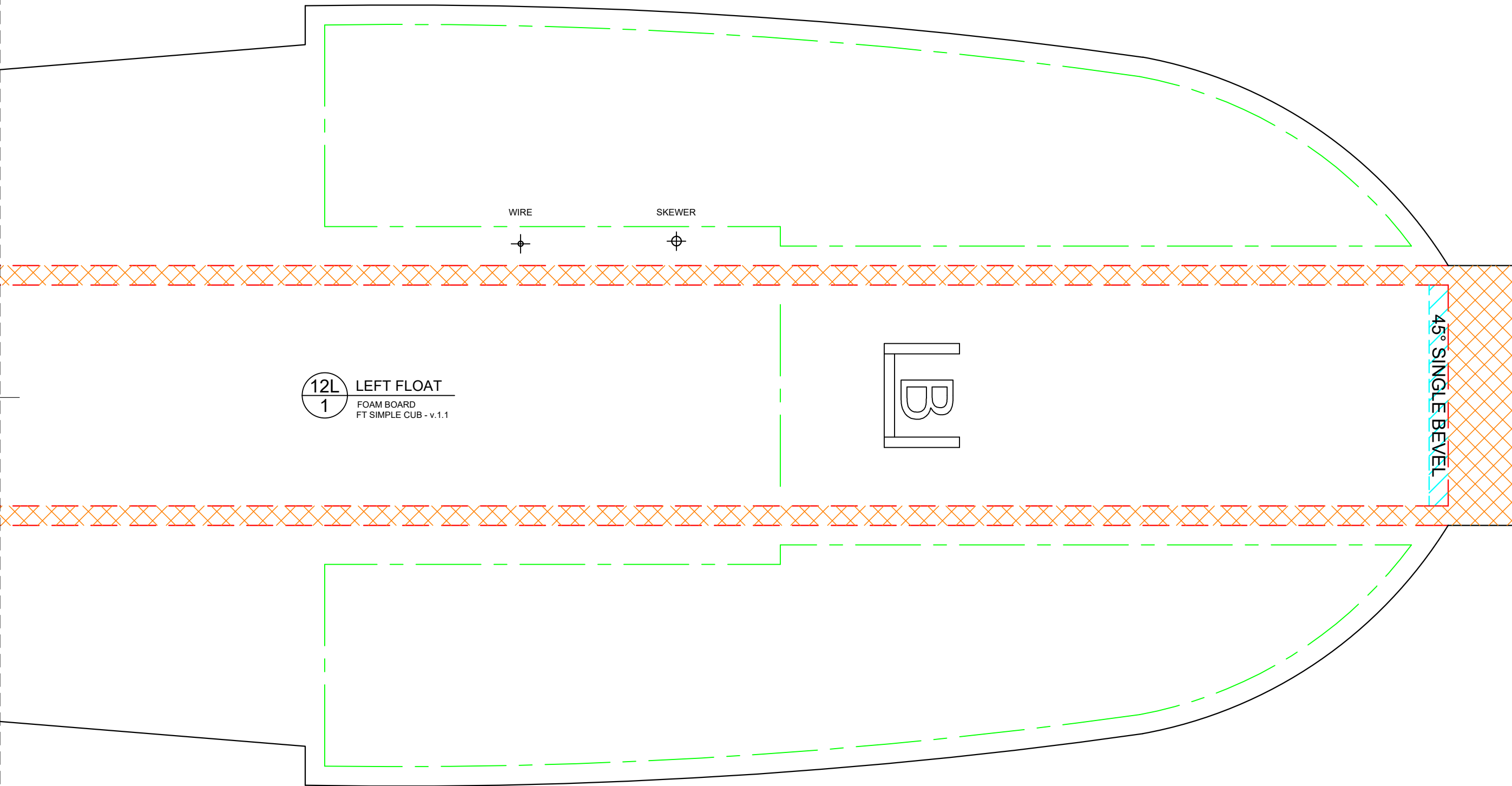
13
4
FOAM BOARD
FT SIMPLE CUB - v.1.1
FLOAT SIDE DOUBLER

13
4
FOAM BOARD
FT SIMPLE CUB - v.1.1
FLOAT SIDE DOUBLER



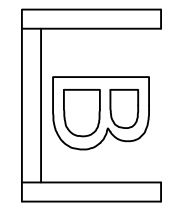
WIRE
+

SKEWER
⊕



12L LEFT FLOAT
1 FOAM BOARD
FT SIMPLE CUB - v.1.1

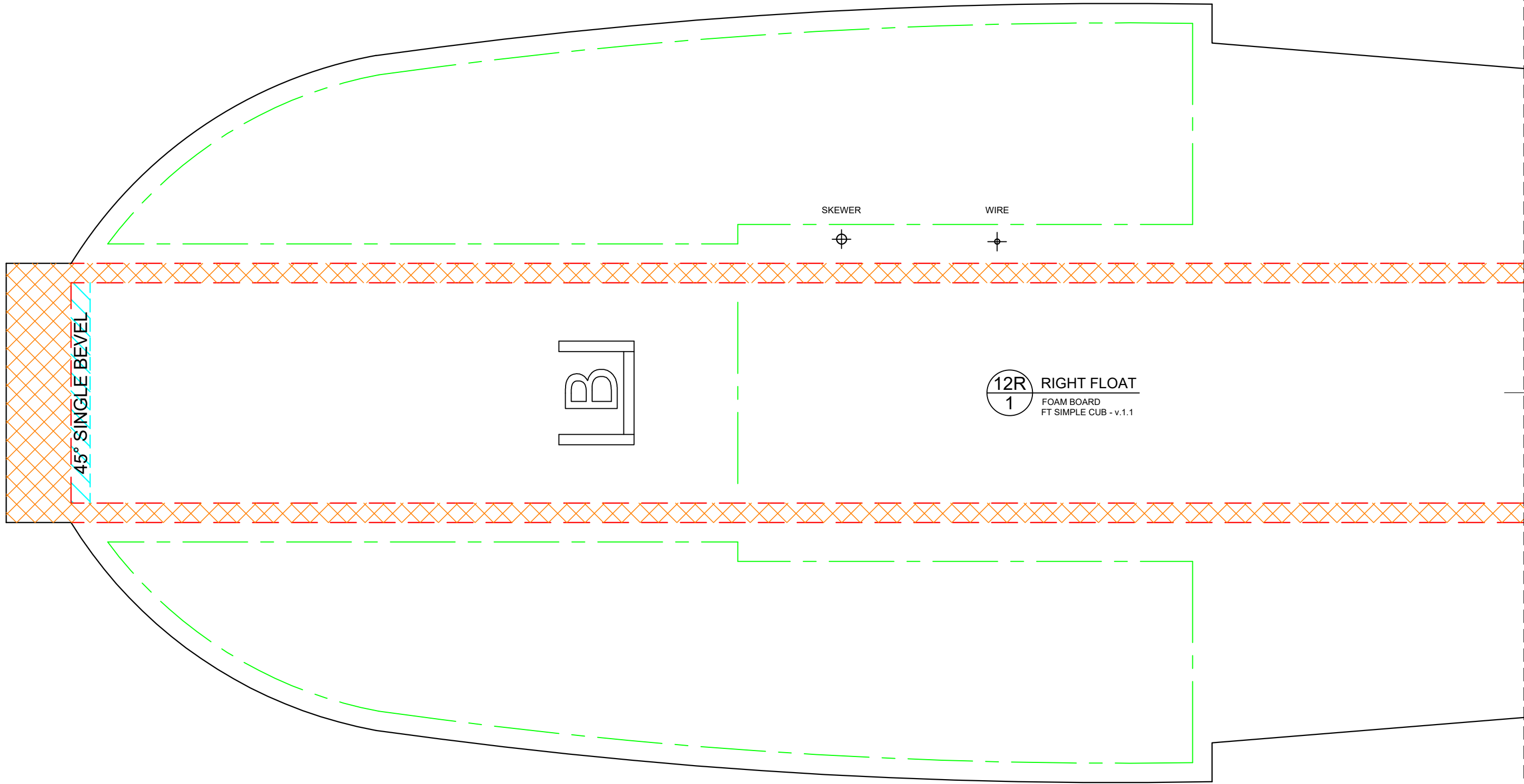
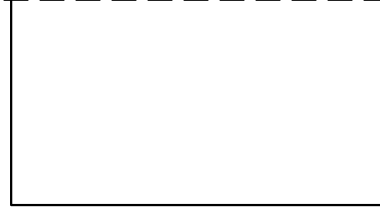
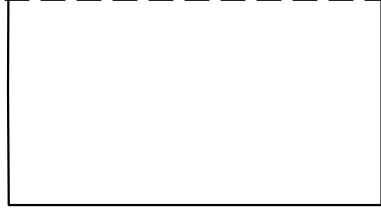
45° SINGLE BEVEL



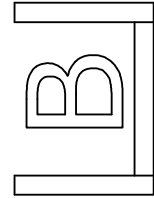
WIRE

SKEWER





45° SINGLE BEVEL



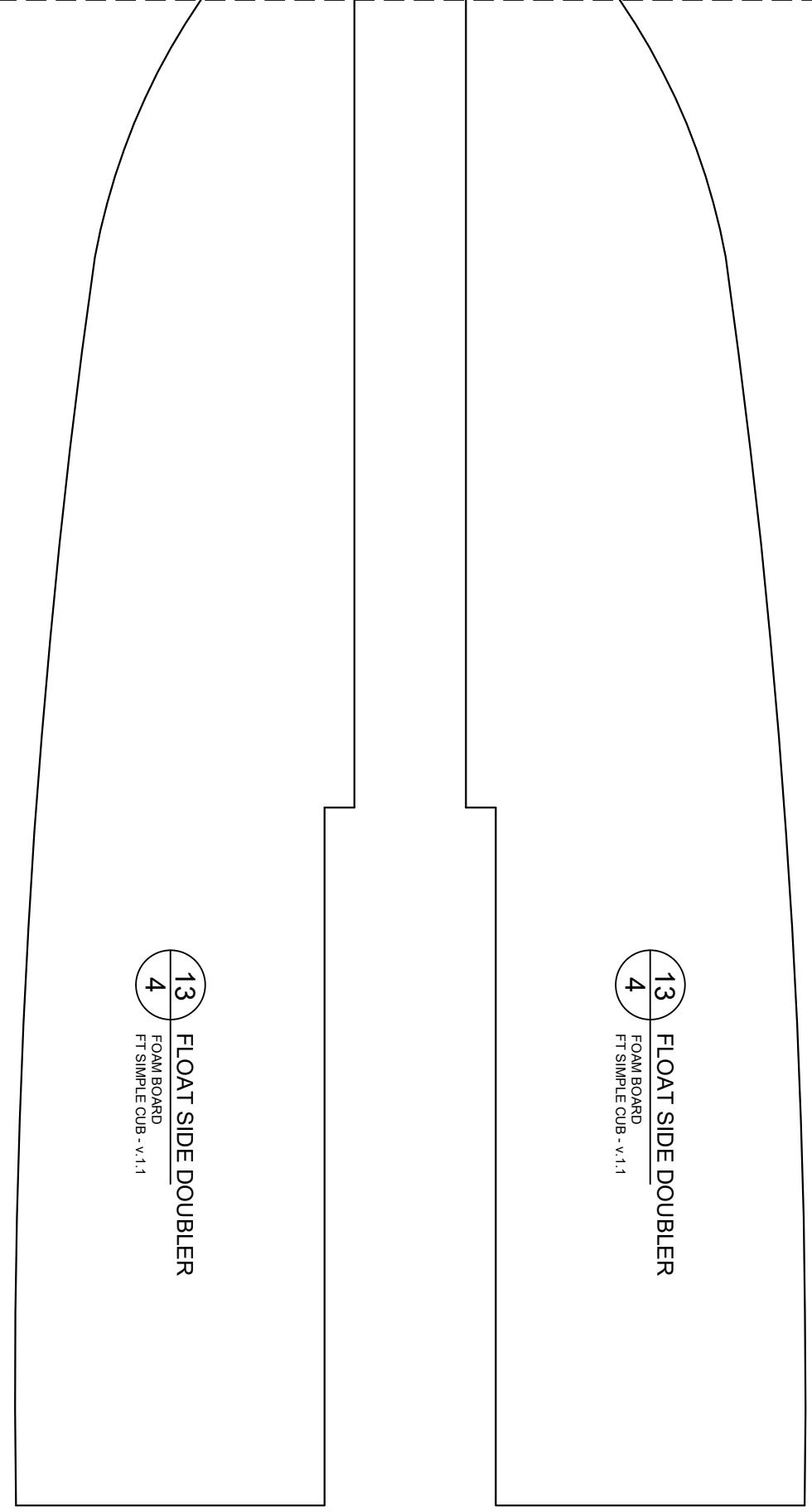
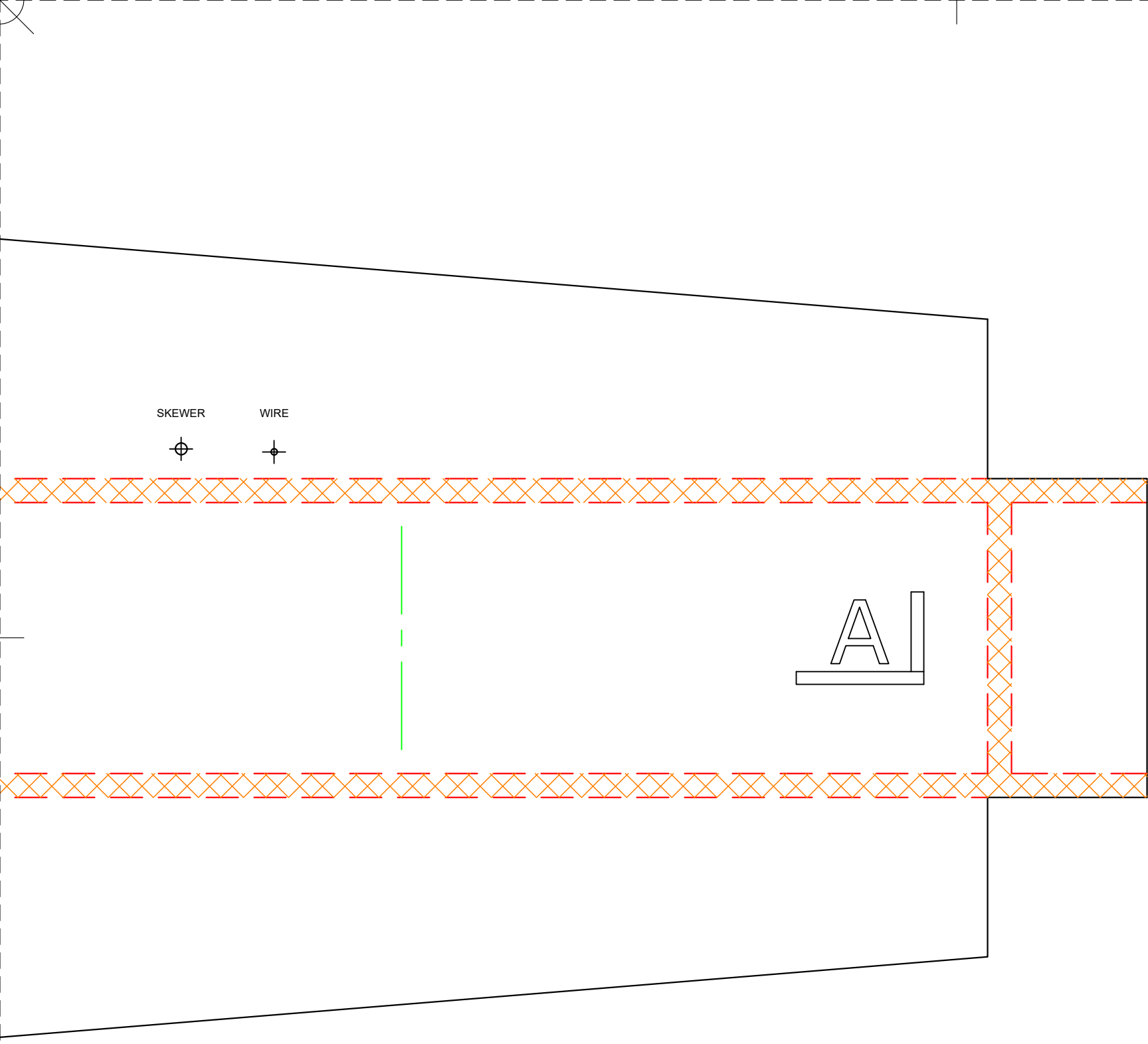
SKEWER



WIRE



12R RIGHT FLOAT
1 FOAM BOARD
FT SIMPLE CUB - v.1.1



13
FOAM BOARD
FT SIMPLE CUB - v.1.1

13
FOAM BOARD
FT SIMPLE CUB - v.1.1

