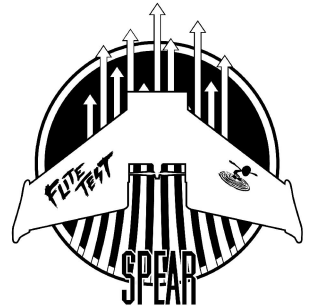




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FT Spear

Designed By: Josh Bixler
 Drawing By: Dan Sponholz



SPECIFICATIONS

DESCRIPTION		IMPERIAL	METRIC
LENGTH		20.5 in	521 mm
CENTER OF GRAVITY	CG	3.0 - 3.5 in	76 - 89 mm
WING SPAN		41.0 in	1041 mm
WING AREA		435 in ²	28.1 dm ²
DRY WEIGHT		23.20 oz	658 g
ALL UP WEIGHT	AUW	29.9 oz	848 g
WING LOADING	WL	9.9 oz/ft ²	30.2 g/dm ²
WING CUBIC LOADING	WCL	5.7	

RECOMMENDED SETTINGS

	THROW	EXPO
ELEVONS	16°	30%
REFLEX	8.5°	

Build Skill Level :



Pilot Skill Level :



SHEET & TILE KEY

1	2	3	4
5	6	7	8

9	10	11	12
13	14	15	16

17	18	19	20
21	22	23	24

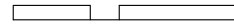
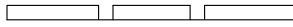
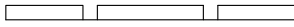
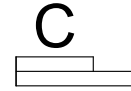
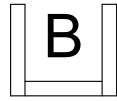
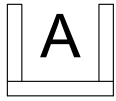
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29	30	31	32

33	34	35	36
37	38	39	40



DRAWING KEY

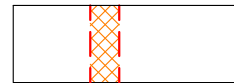
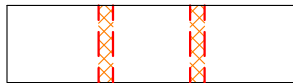
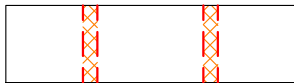
FOLD TYPES



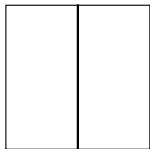
A - FOLD (ABOVE)

B - FOLD (BESIDE)

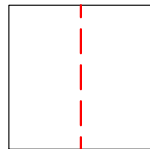
C - FOLD (COVER)



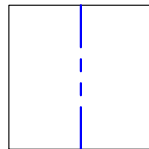
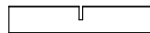
LINE TYPE/COLOR



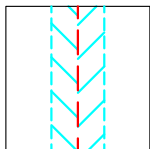
CUT



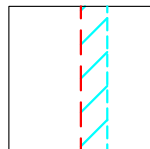
50% SCORE



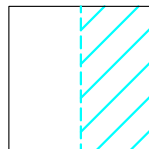
CREASE



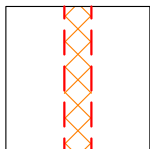
45° DOUBLE BEVEL



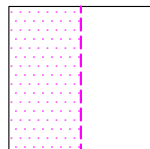
45° SINGLE BEVEL



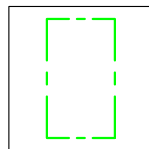
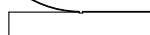
EDGE BEVEL



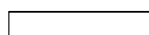
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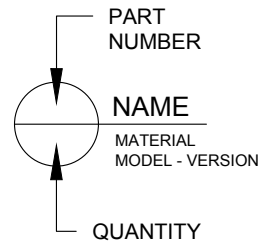
REMOVE PAPER



REFERENCE/
OPTIONAL



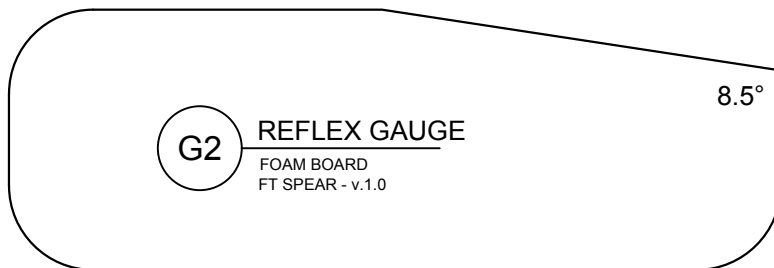
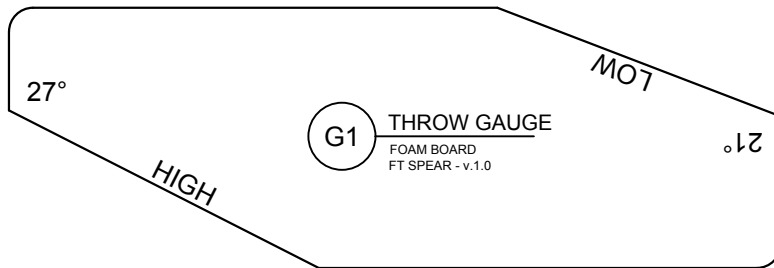
SYMBOLS

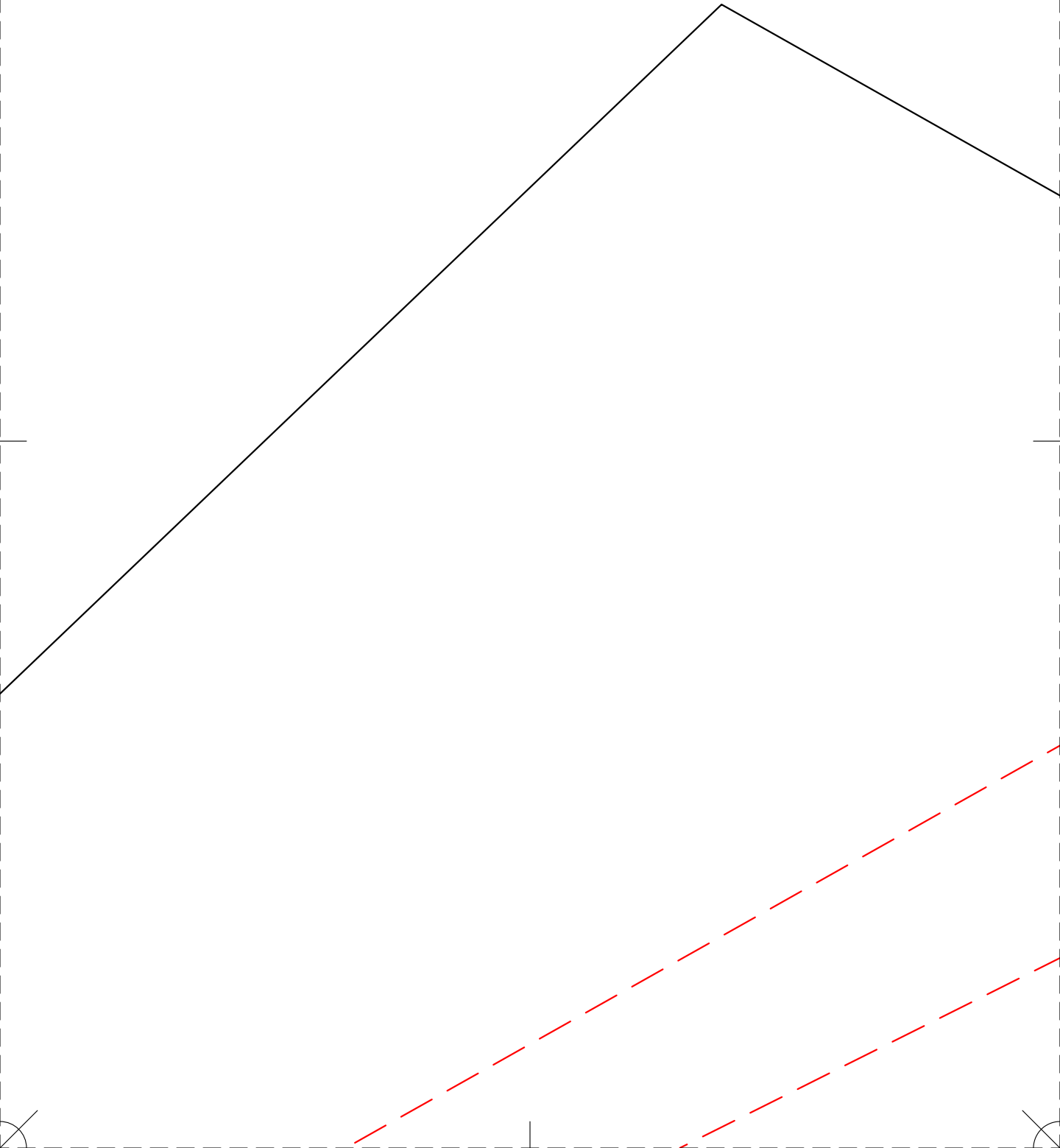


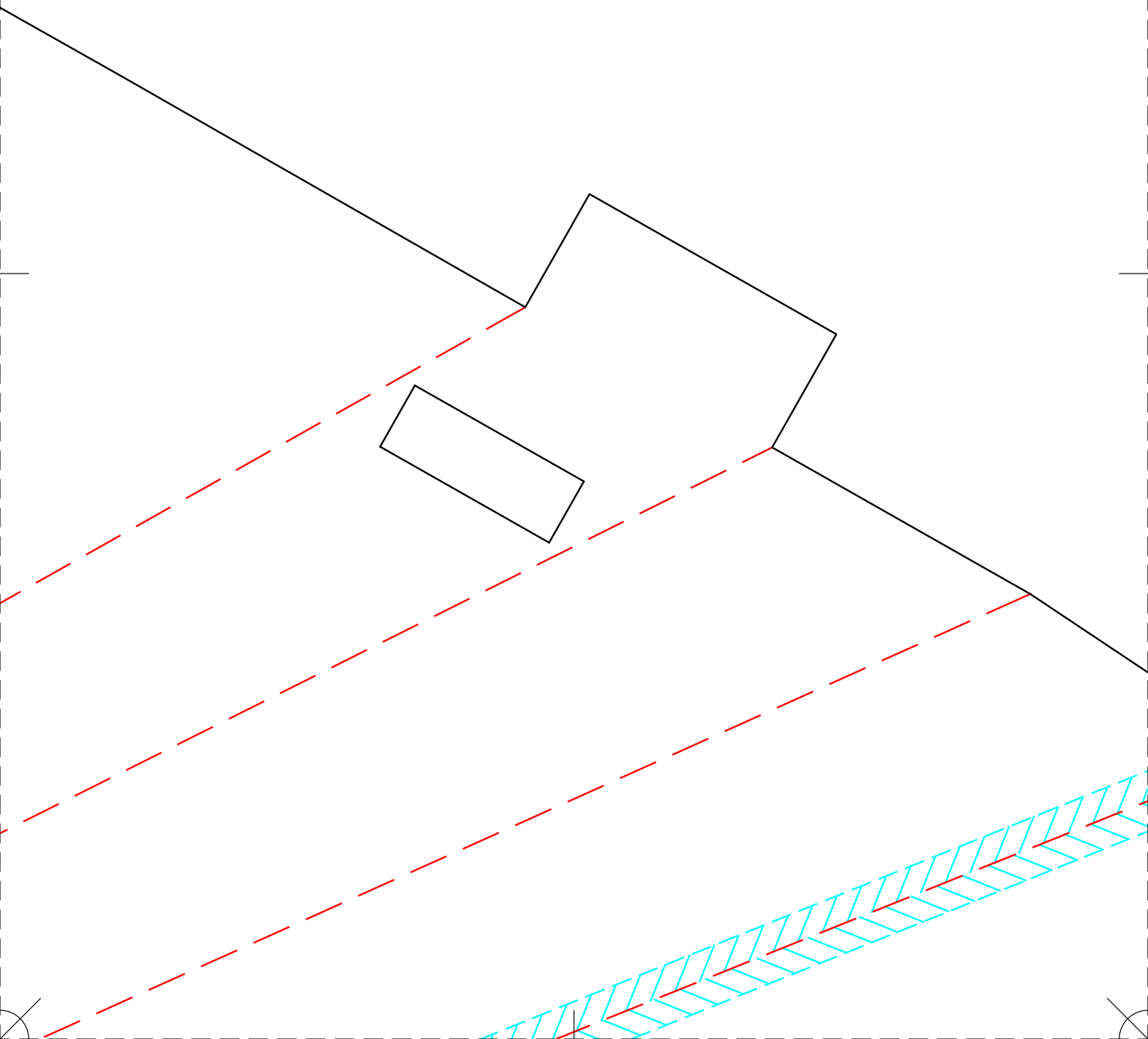
DOWEL HOLE

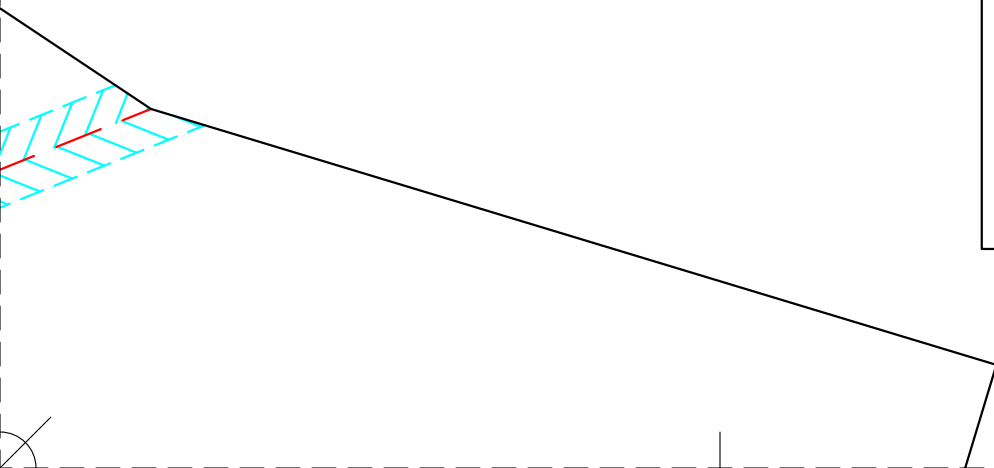
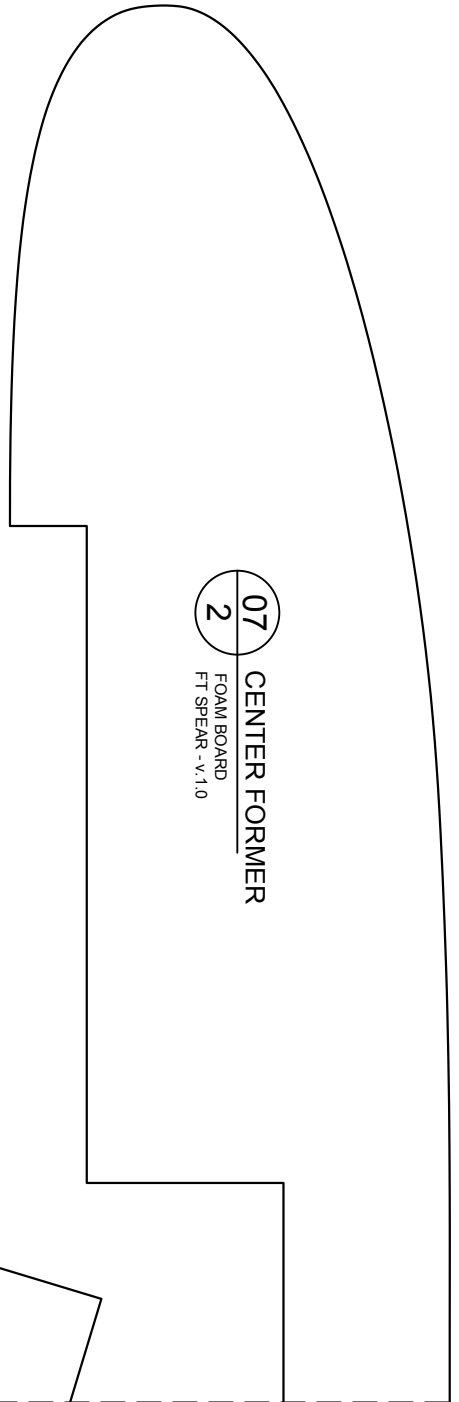
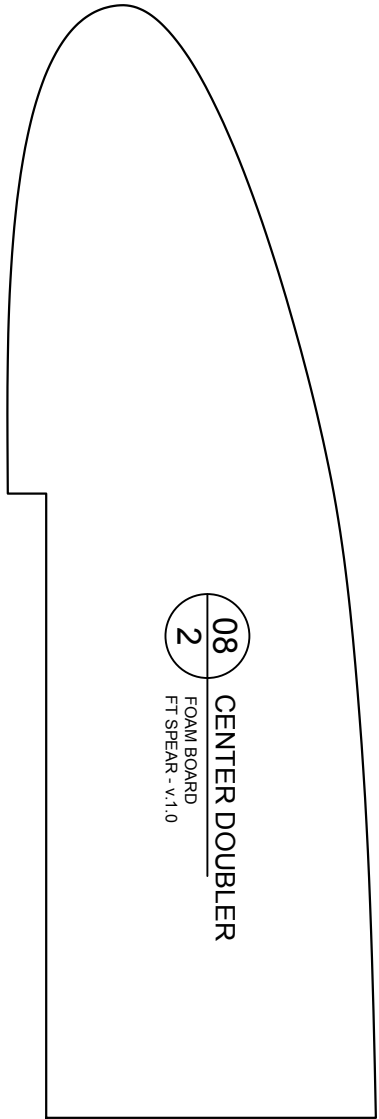


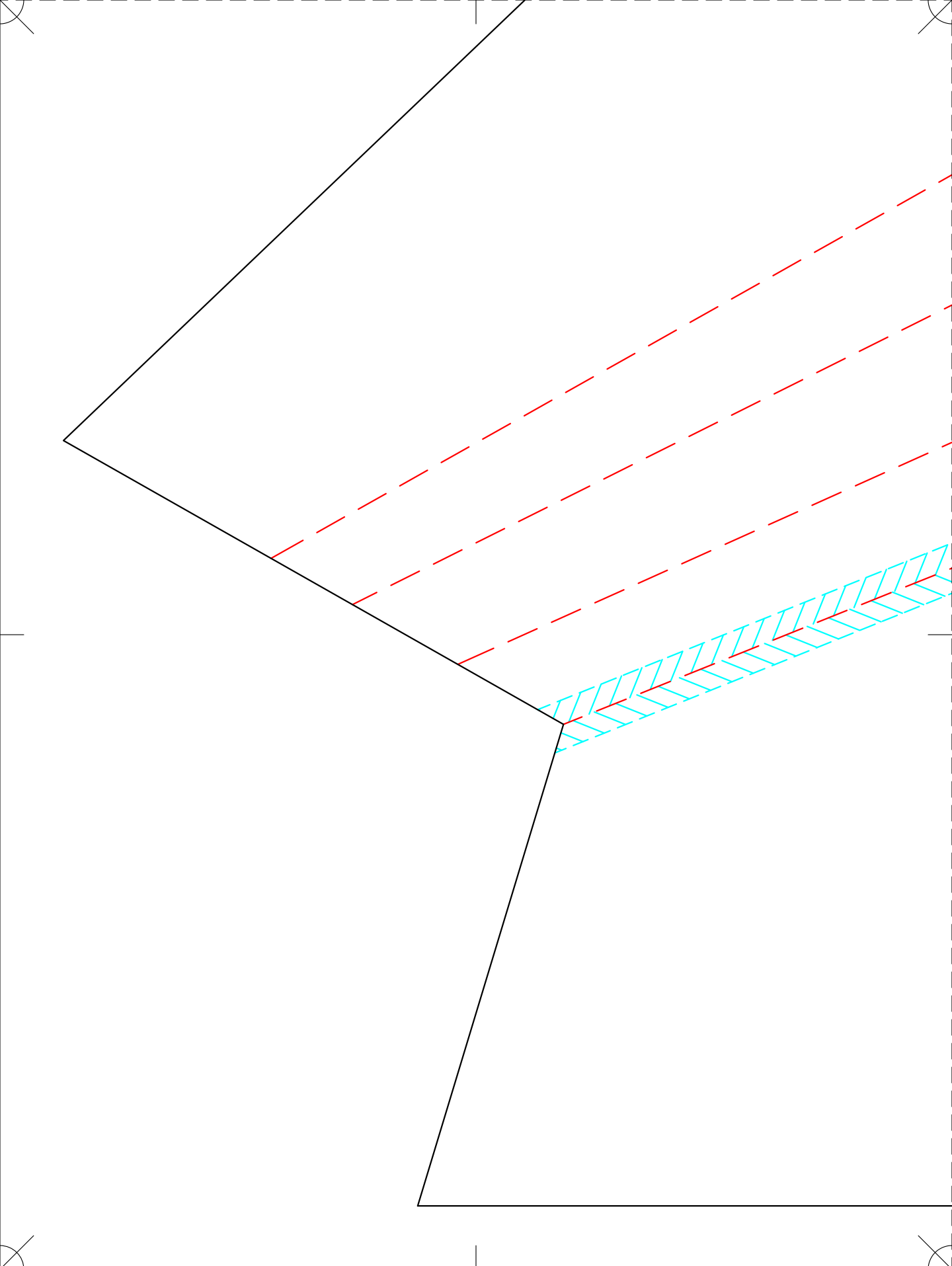
CENTER OF GRAVITY (CG)

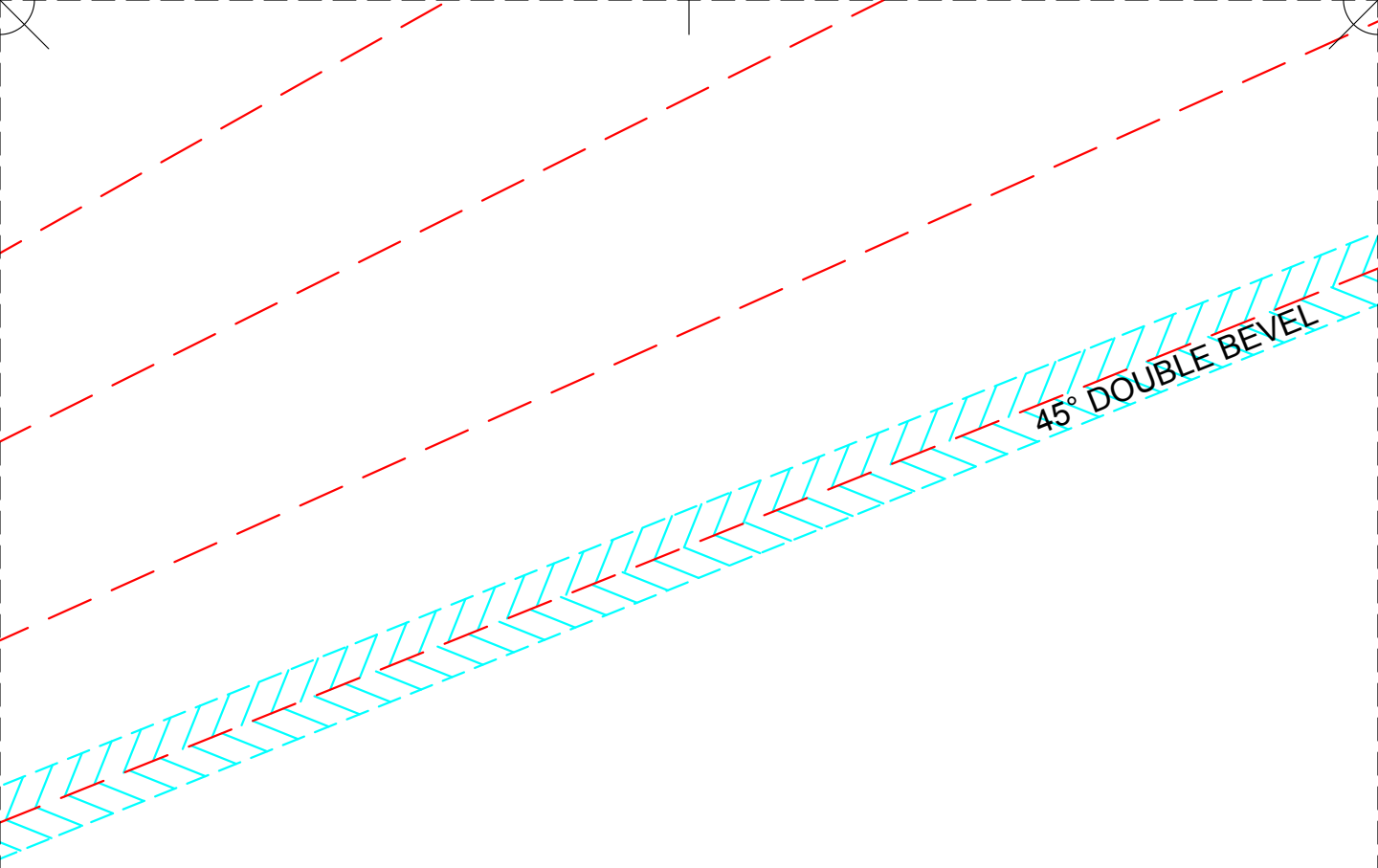




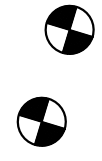
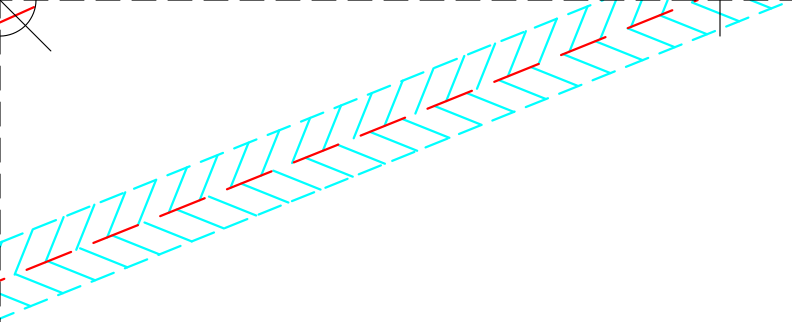




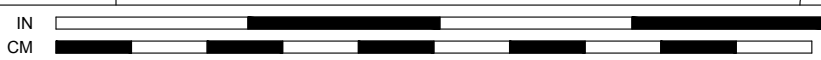


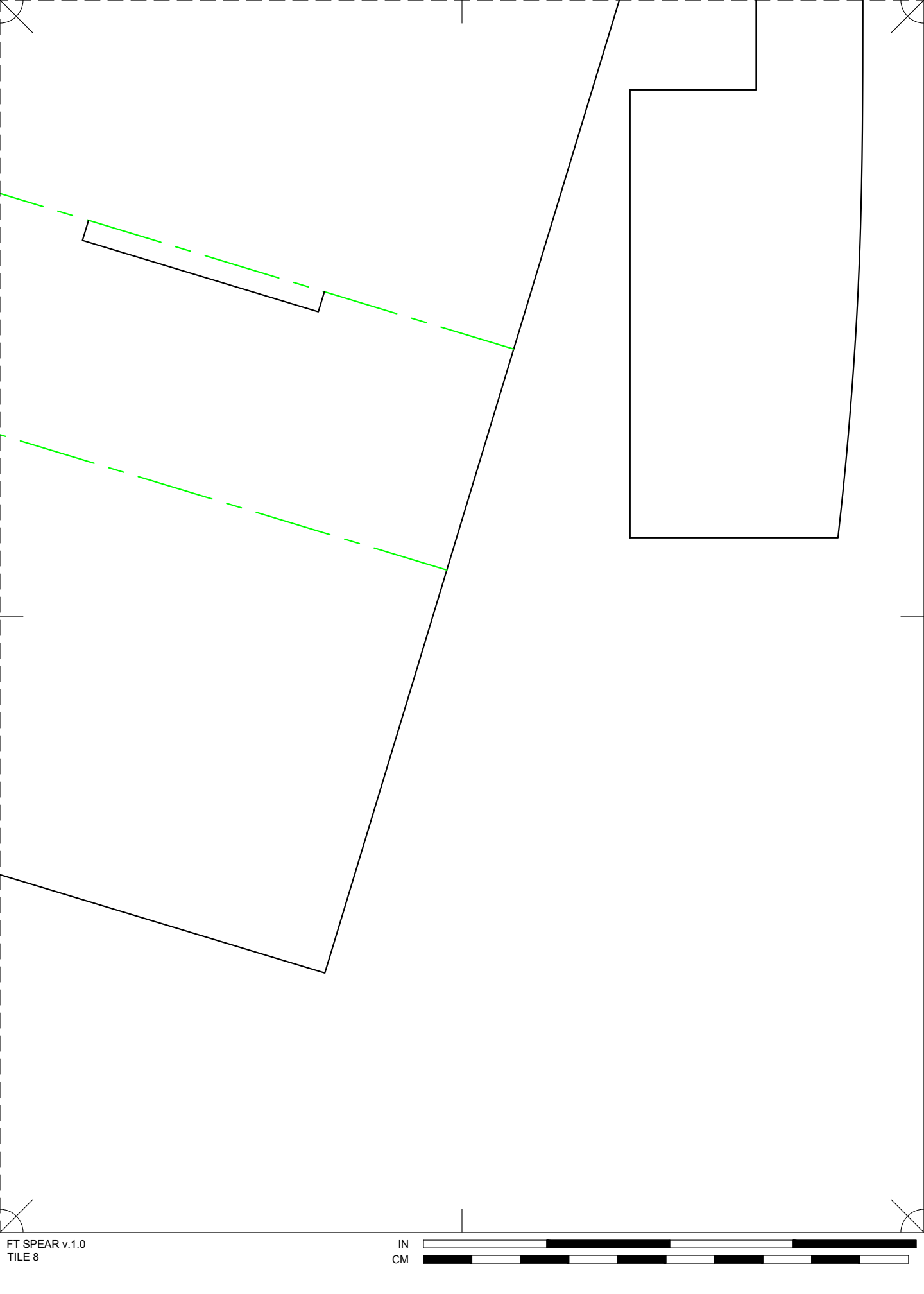


45° DOUBLE BEVEL



01
1 LEFT WING
FOAM BOARD
FT SPEAR - v.1.0

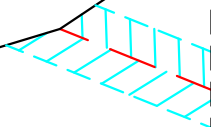


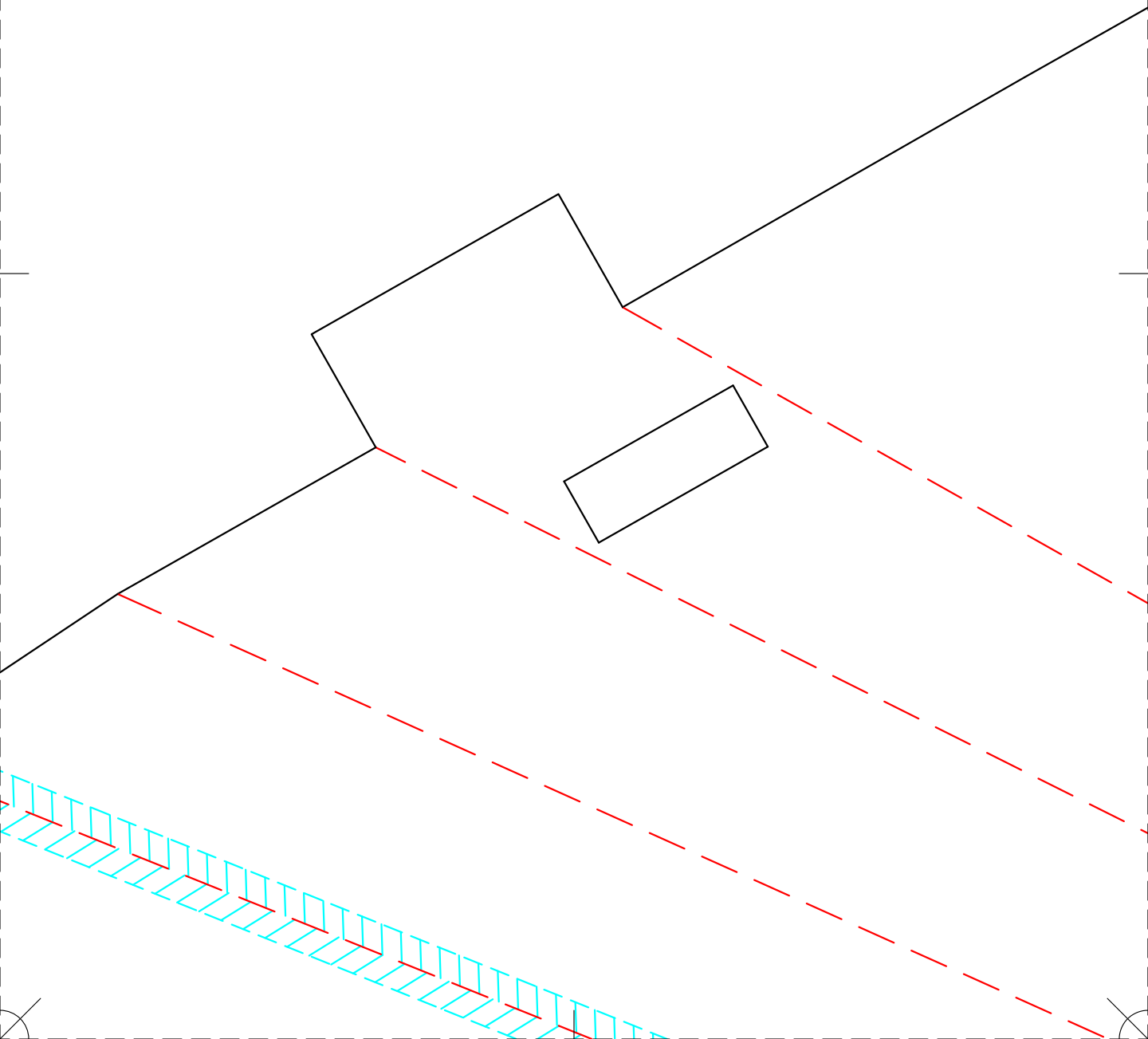


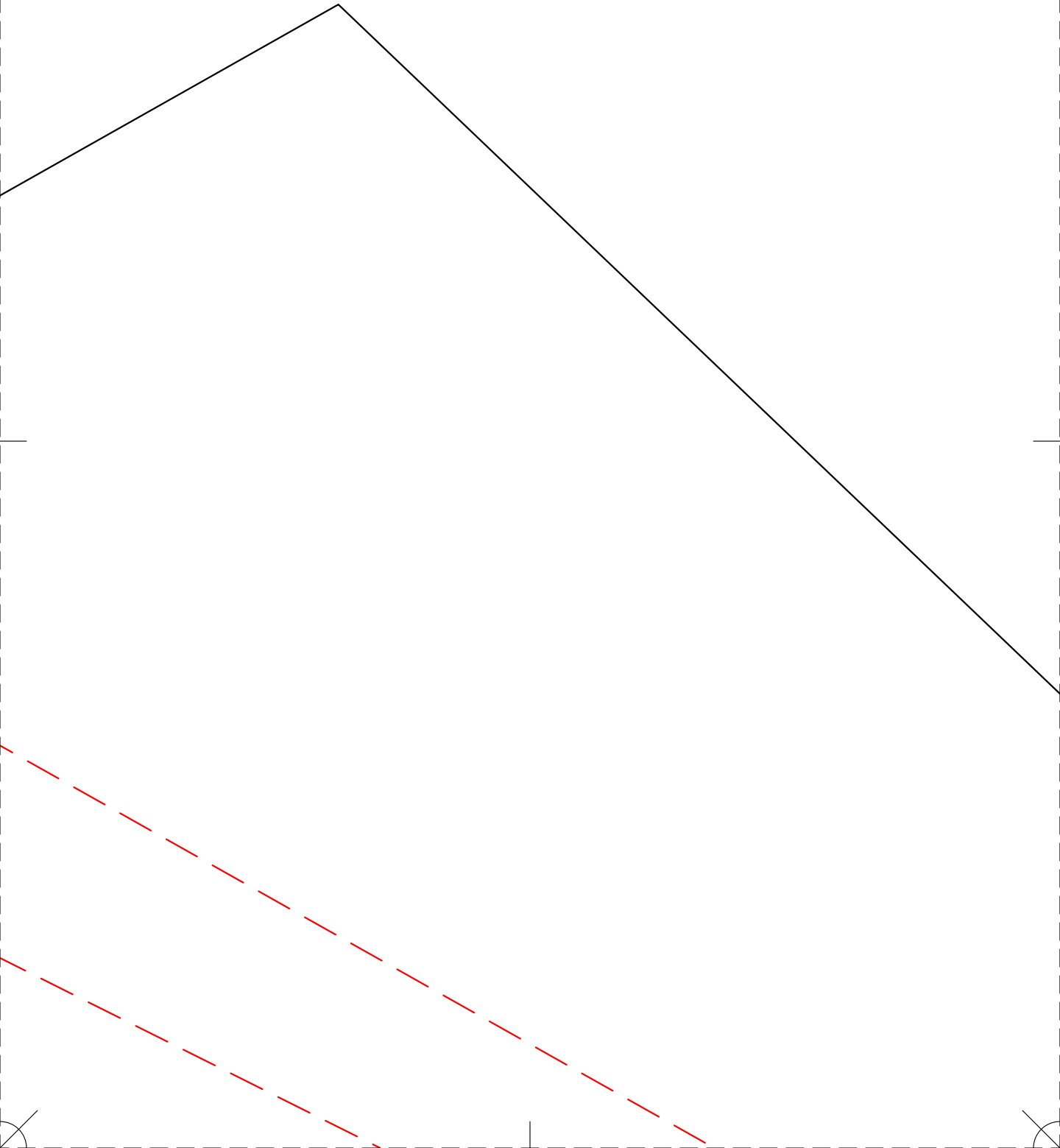


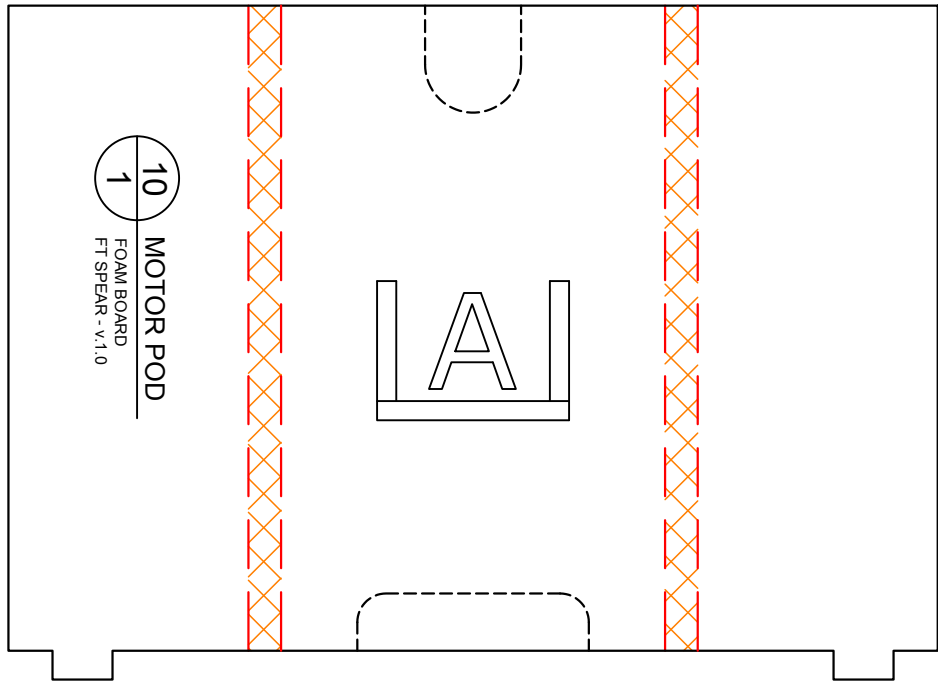
07 CENTER FORMER
FOAM BOARD
FT SPEAR - v.1.0

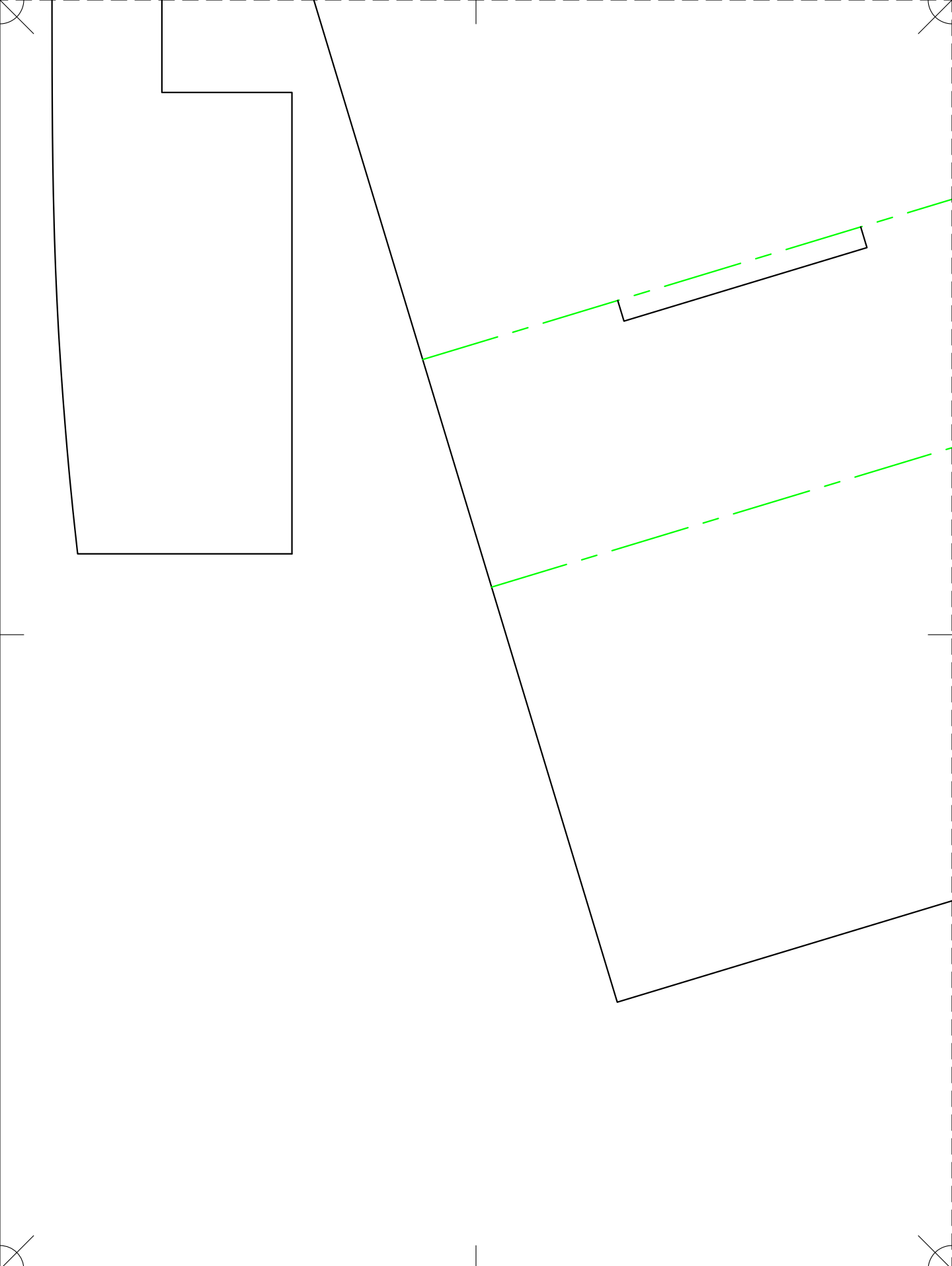
08 CENTER DOUBLER
FOAM BOARD
FT SPEAR - v.1.0

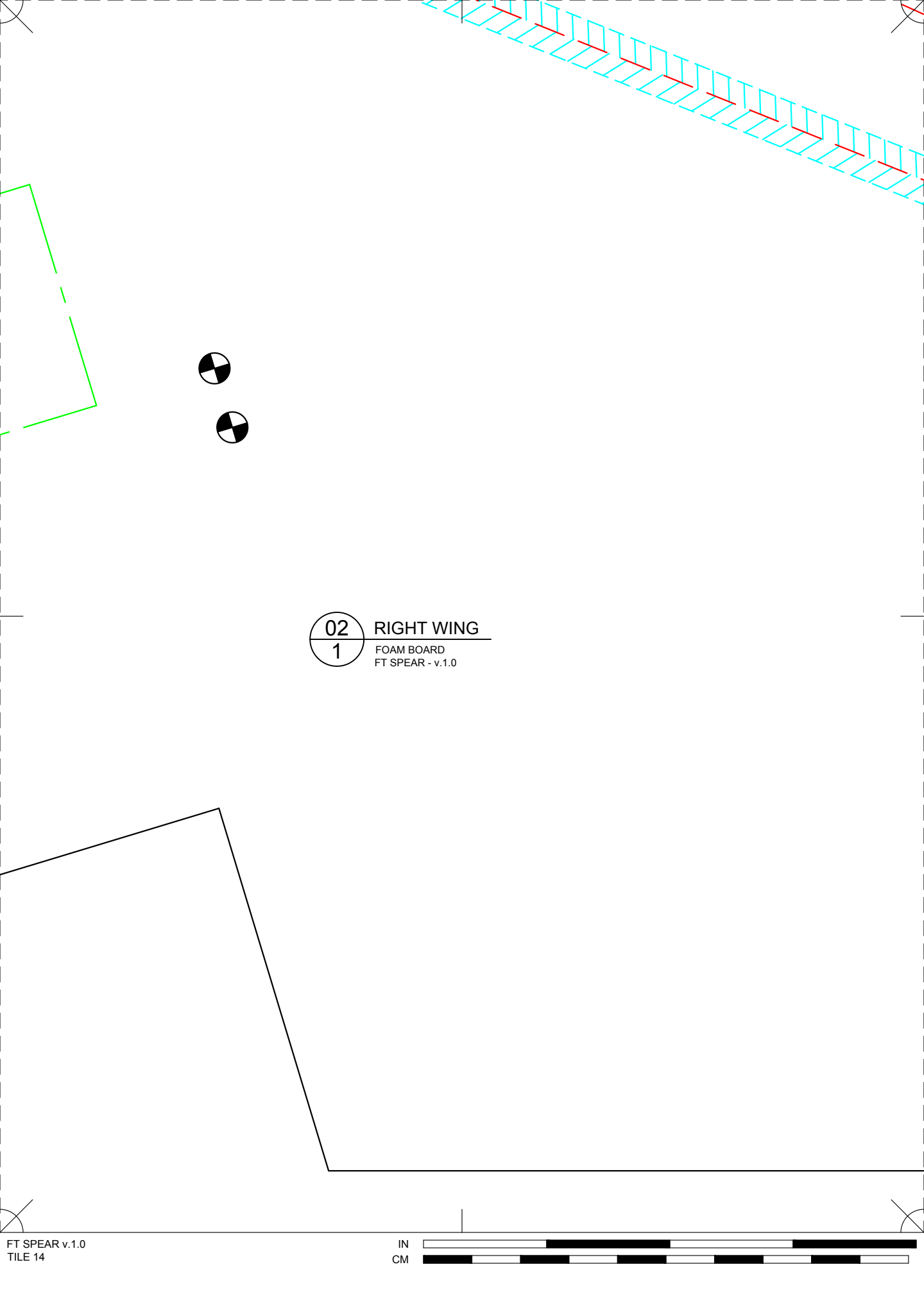




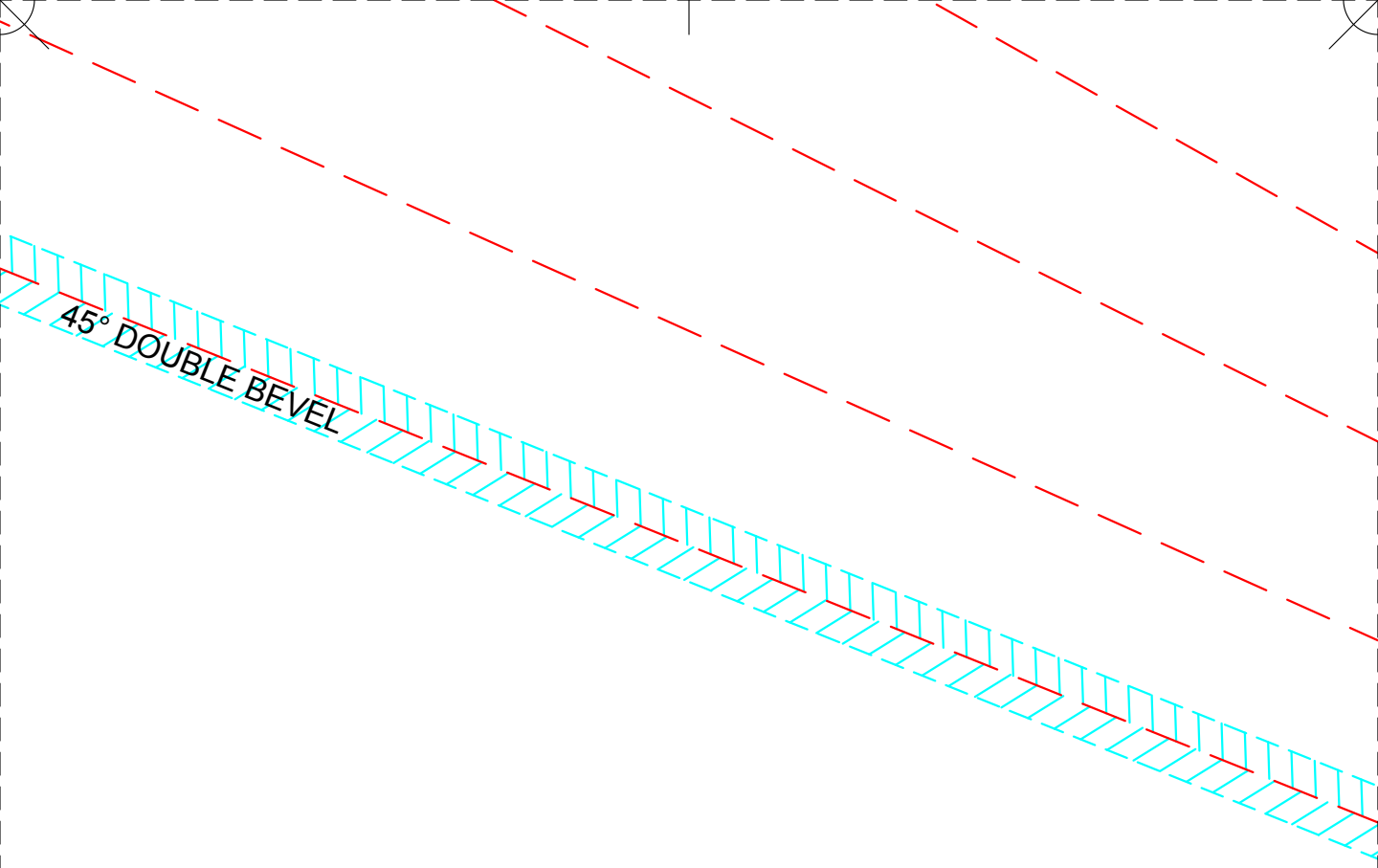




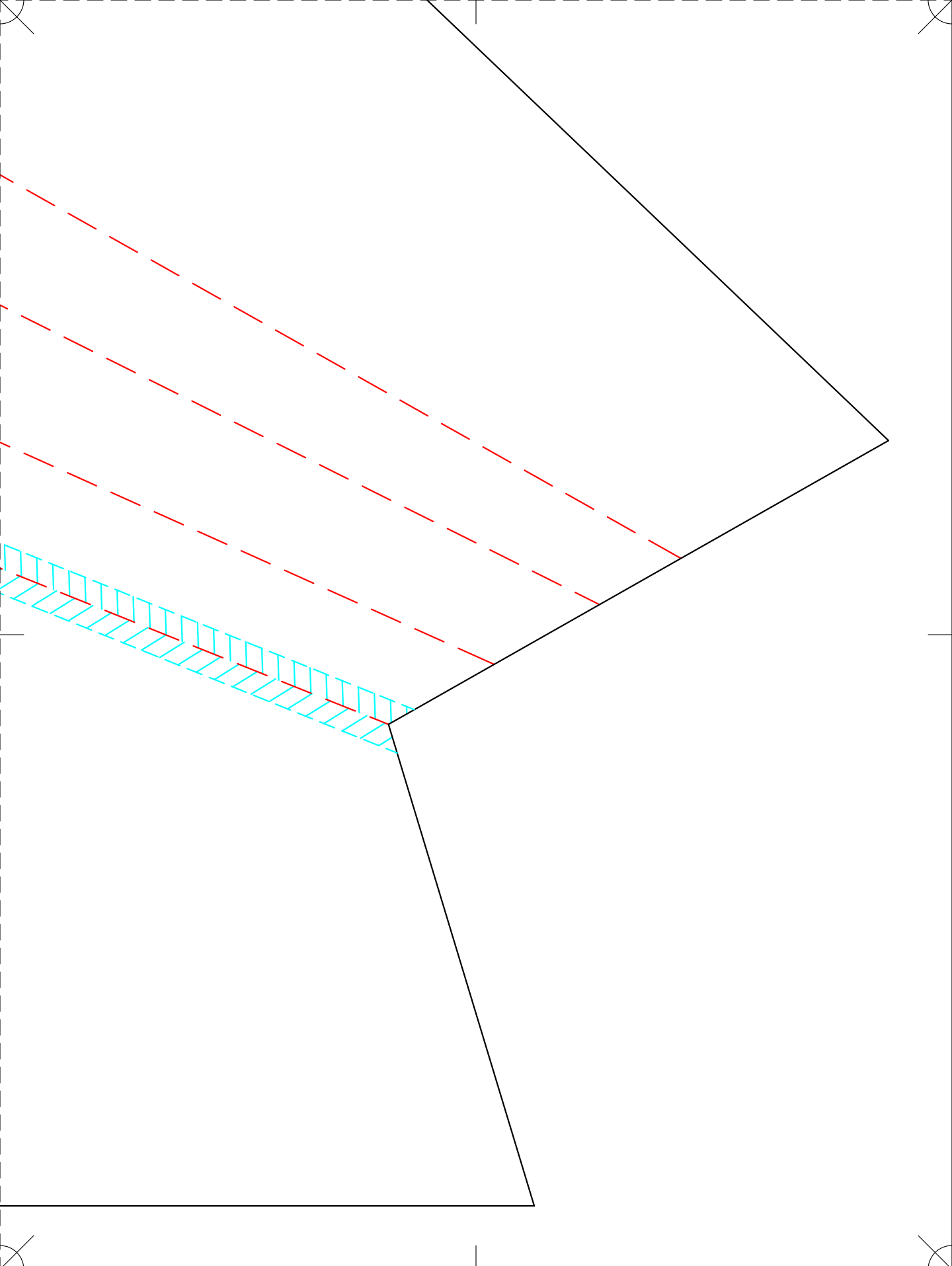


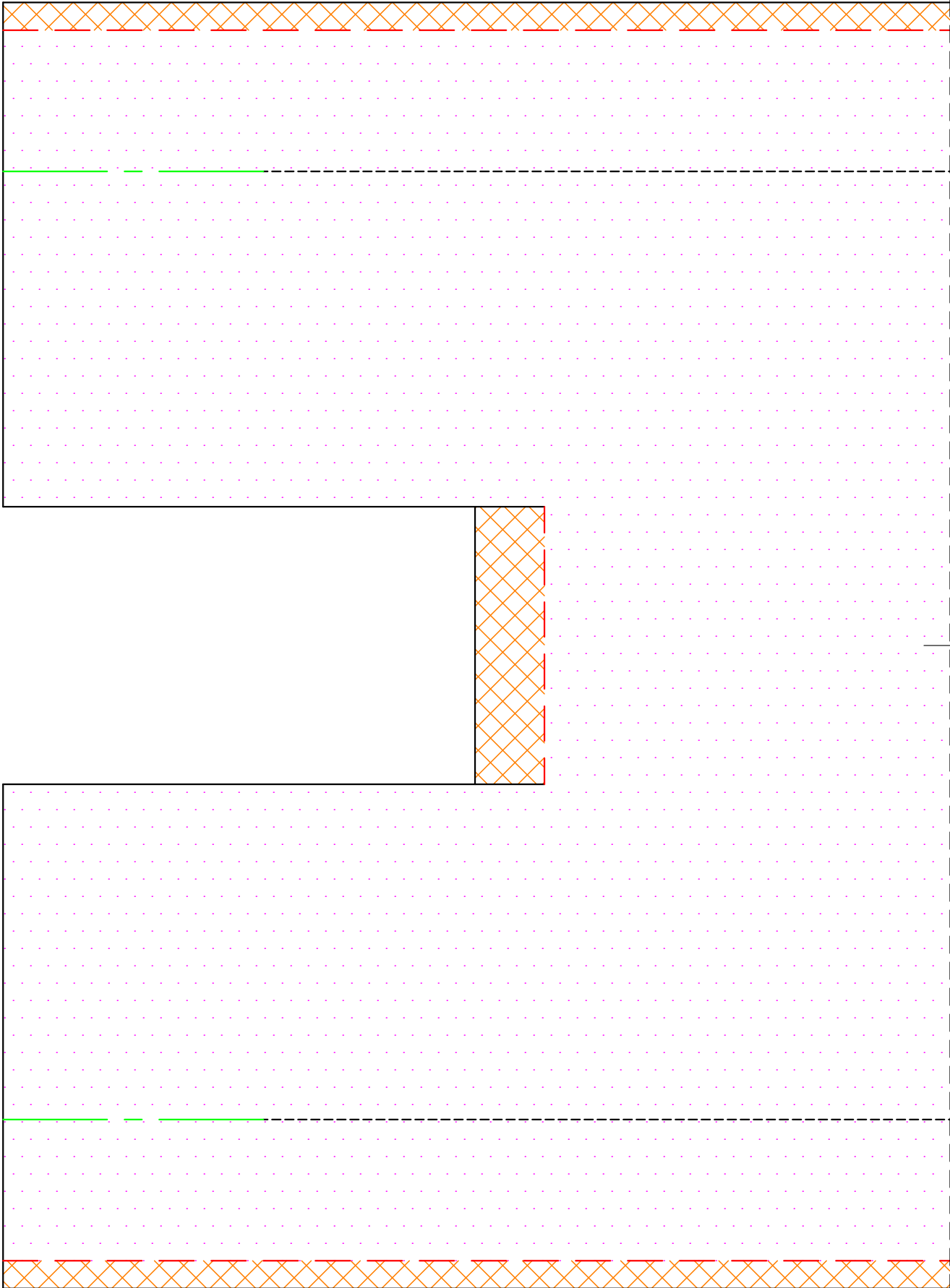


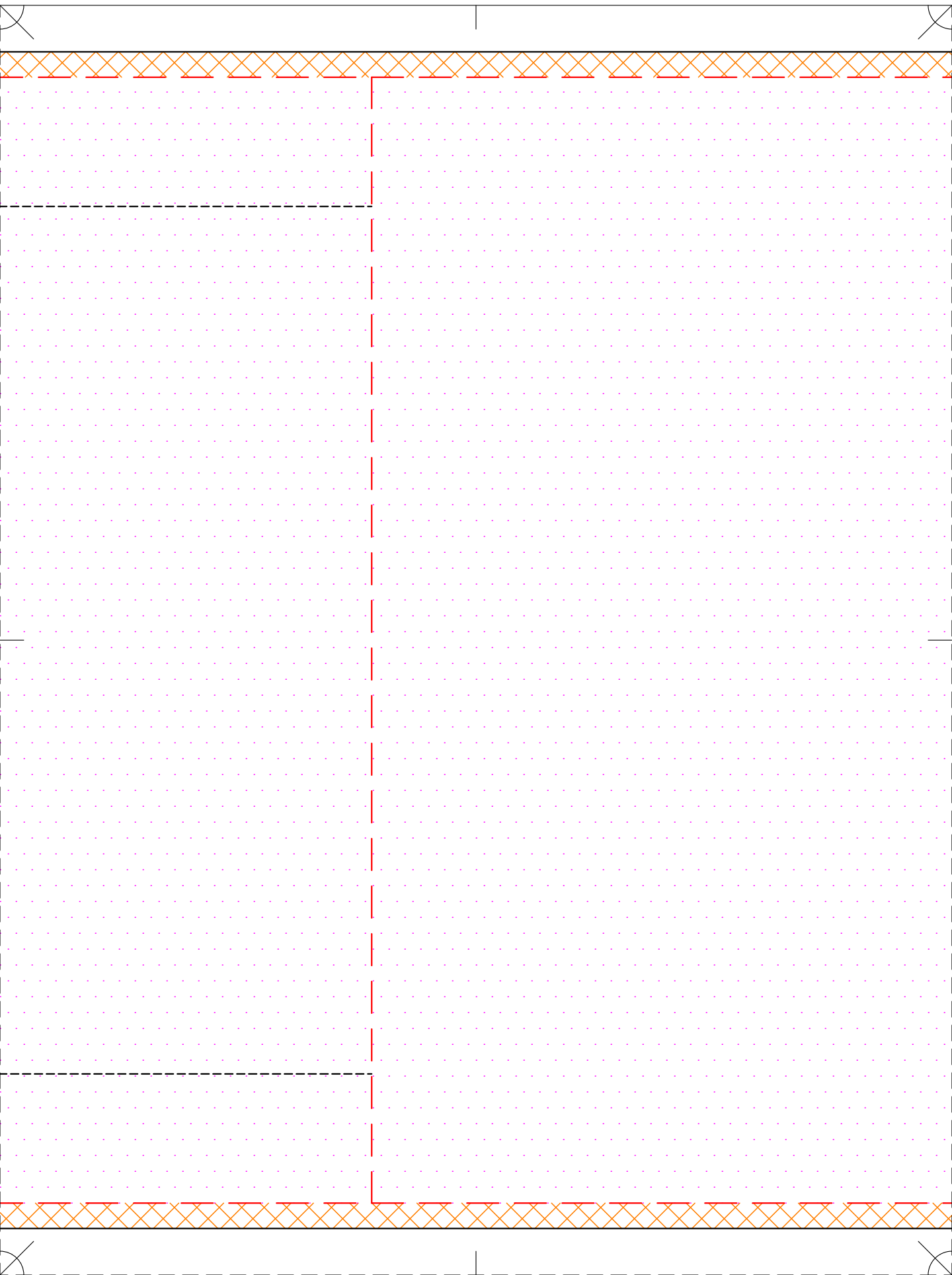
02 RIGHT WING
1 FOAM BOARD
FT SPEAR - v.1.0

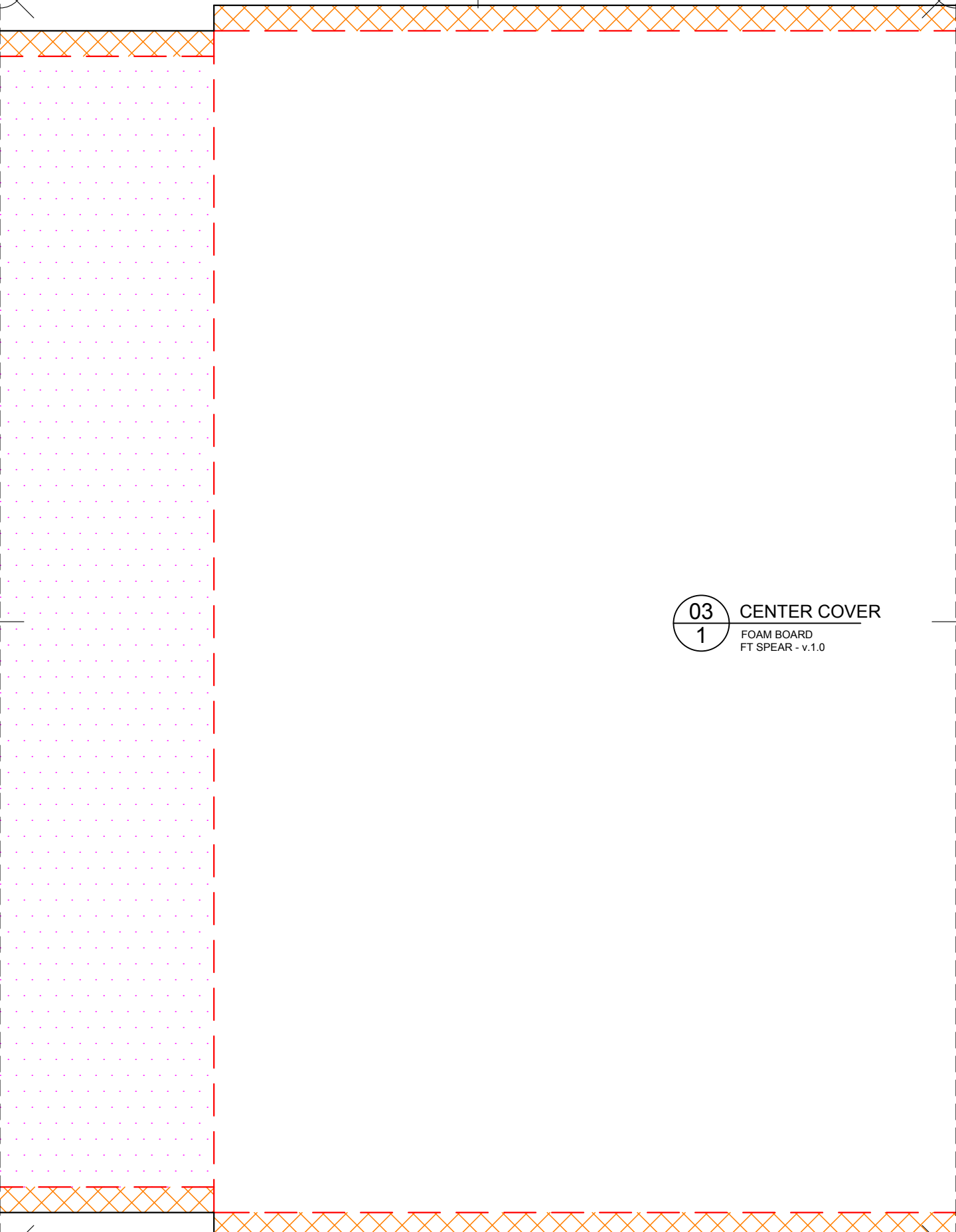


45° DOUBLE BEVEL

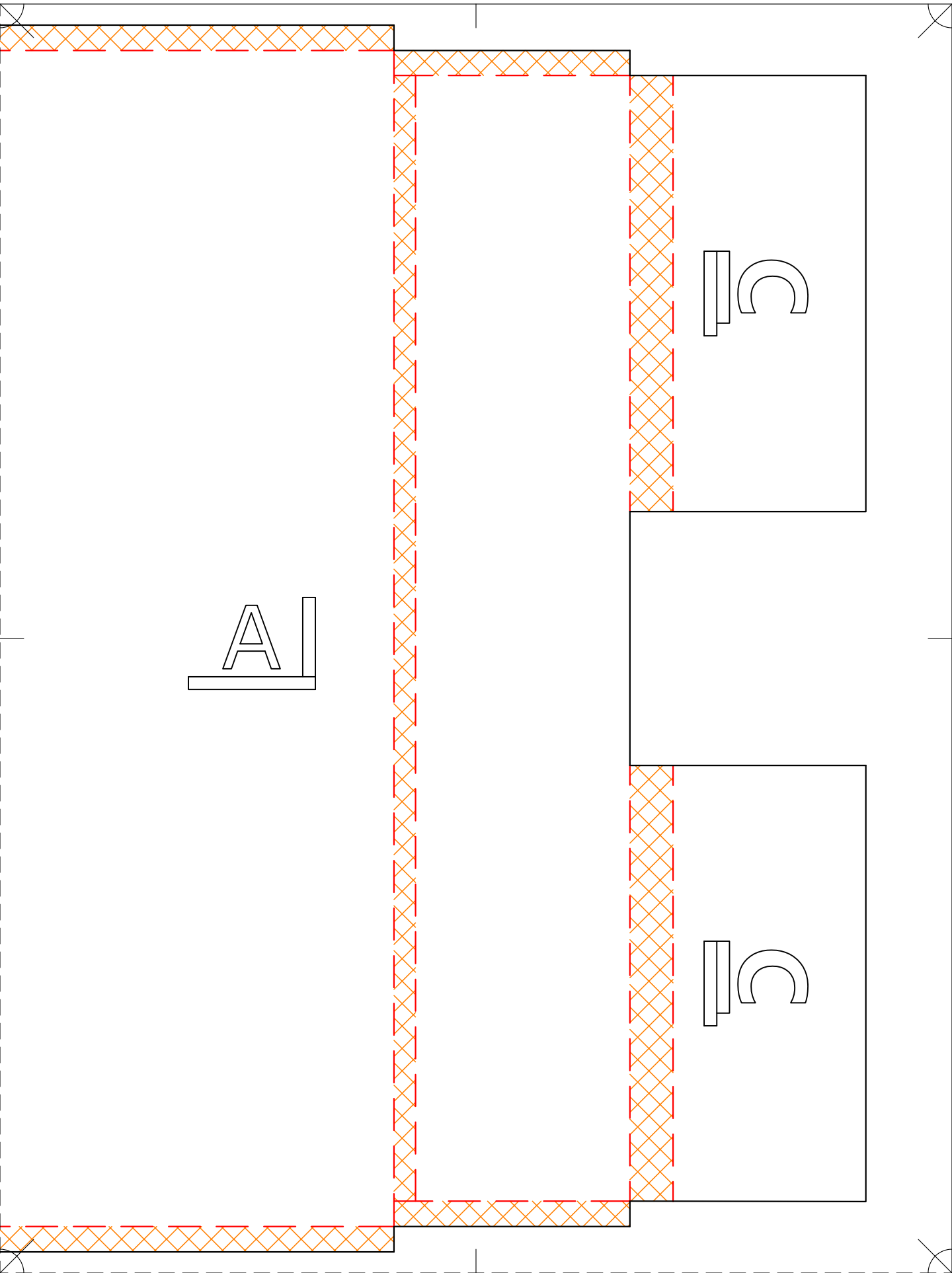


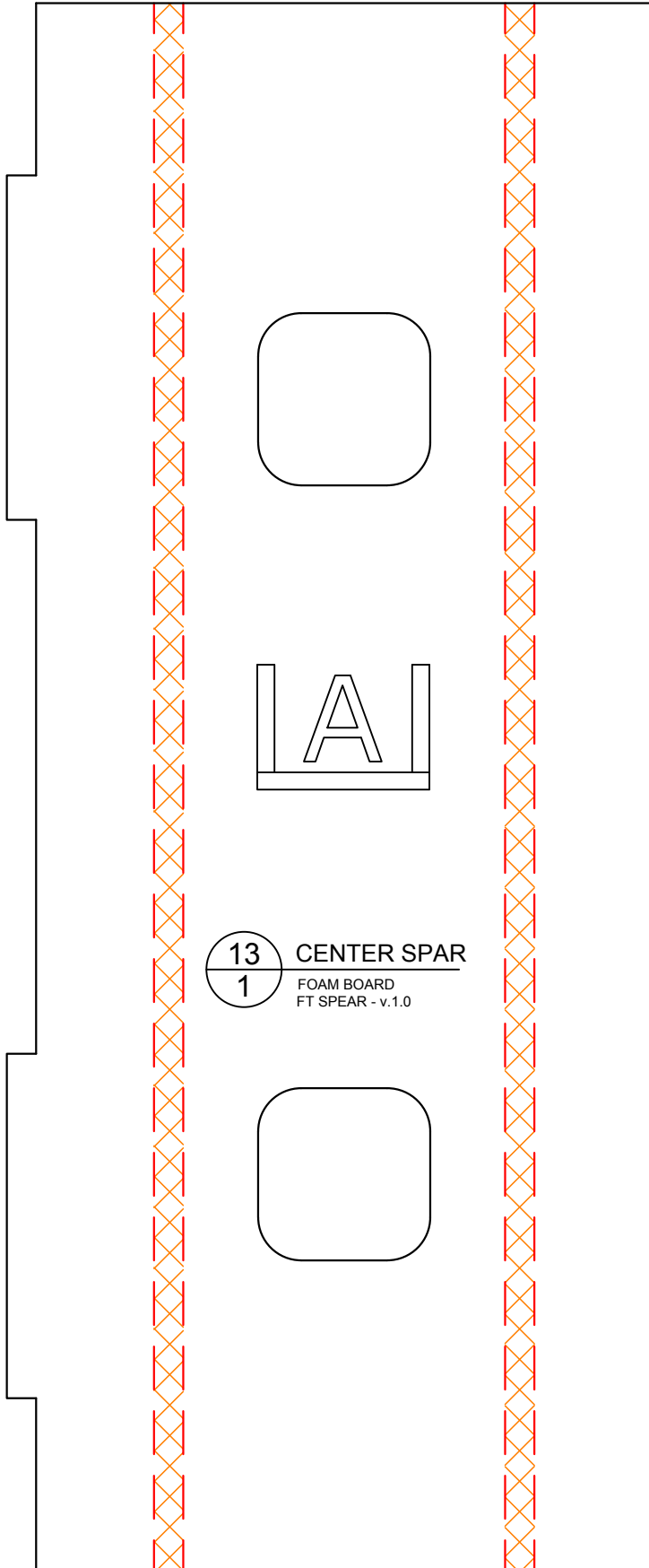




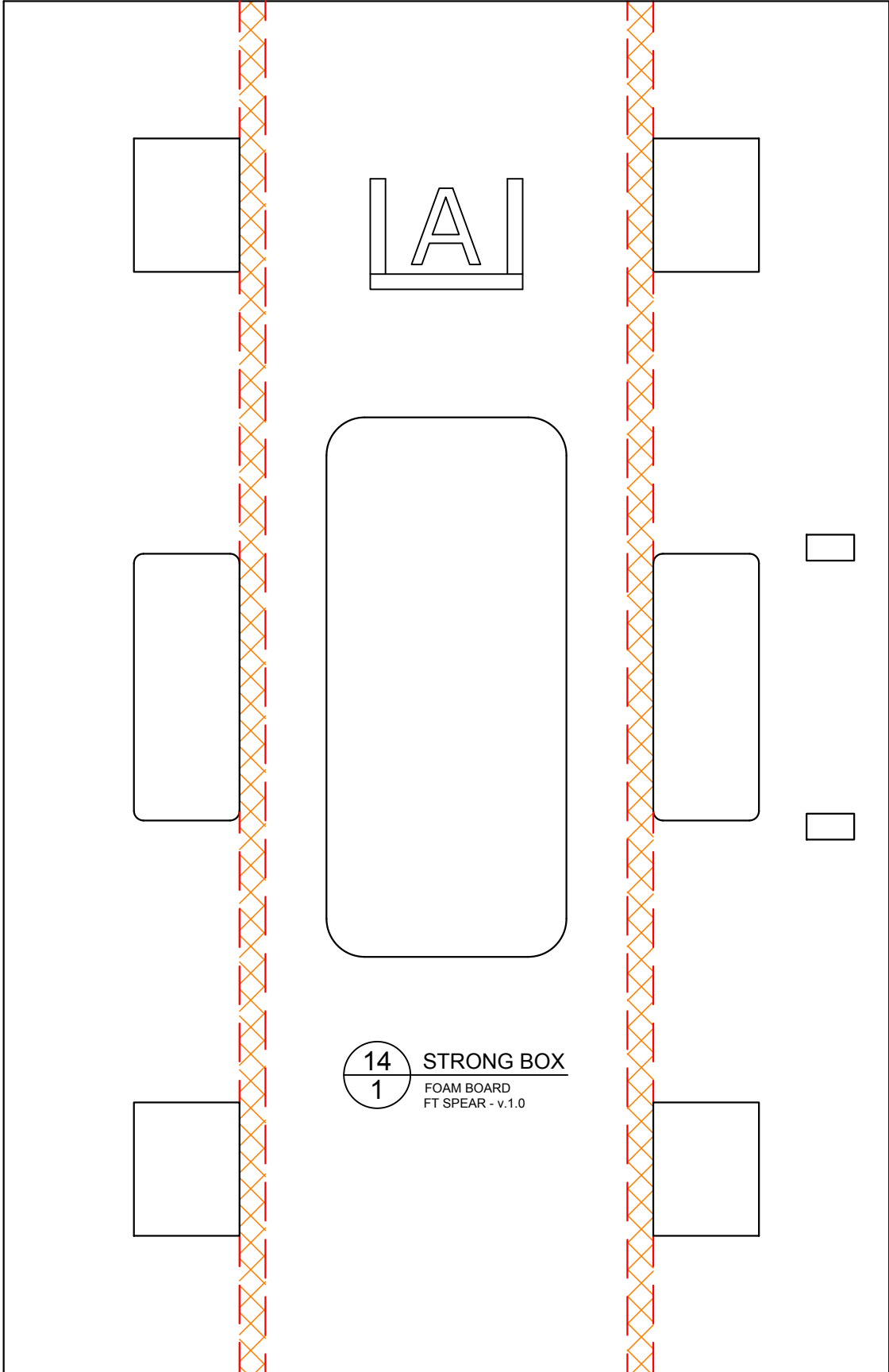


03 CENTER COVER
1 FOAM BOARD
FT SPEAR - v.1.0

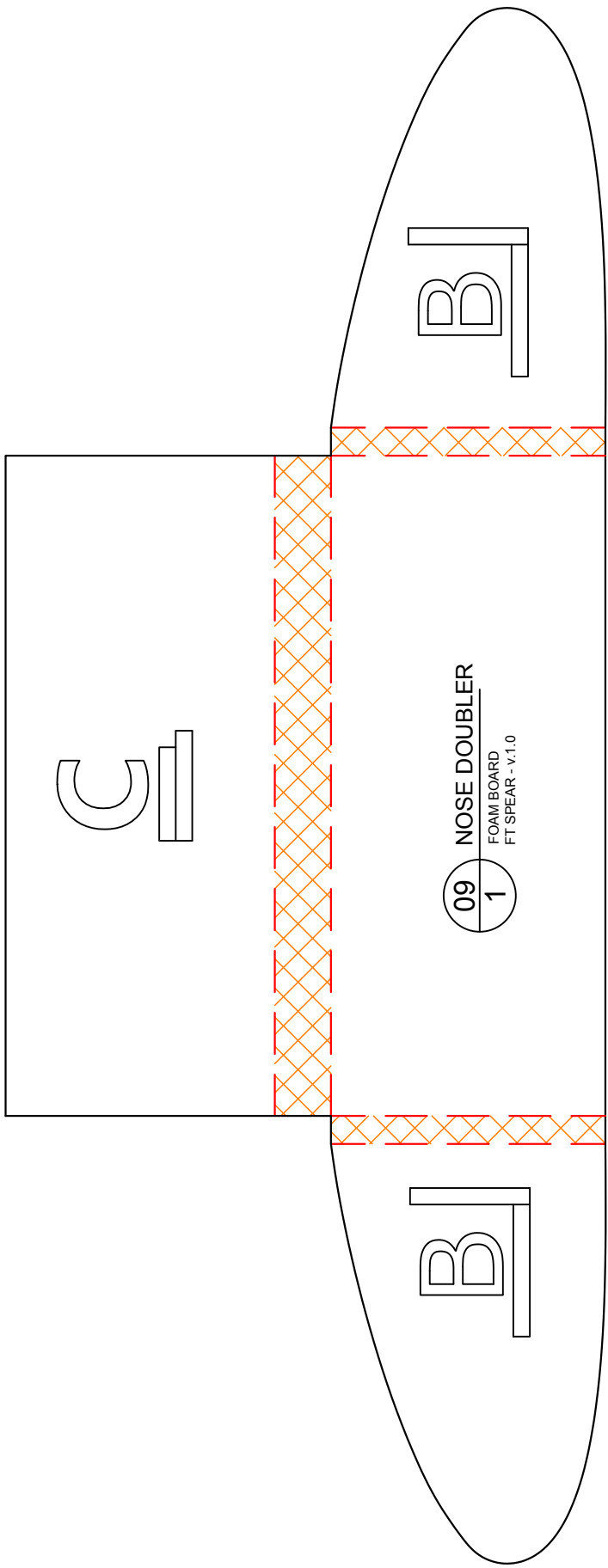




13
1 CENTER SPAR
FOAM BOARD
FT SPEAR - v.1.0



14 STRONG BOX
 1 FOAM BOARD
 FT SPEAR - v.1.0



B1

09 NOSE DOUBLER
FOAM BOARD
FT SPEAR - v.1.0

B1

C

15
4

HATCH SUPPORT

FOAM BOARD
FT SPEAR - v.1.0

15
4

HATCH SUPPORT

FOAM BOARD
FT SPEAR - v.1.0

15
4

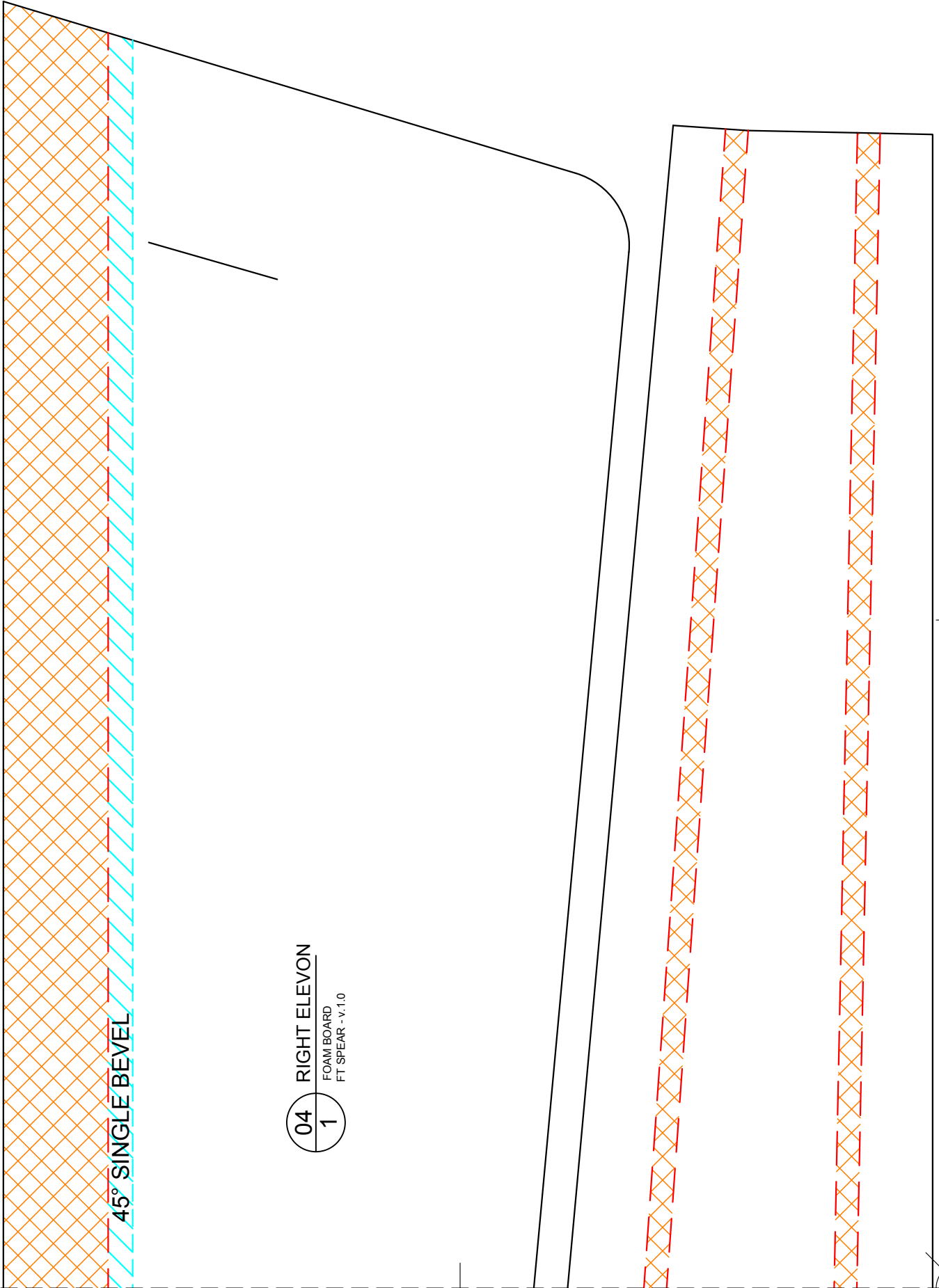
HATCH SUPPORT

FOAM BOARD
FT SPEAR - v.1.0

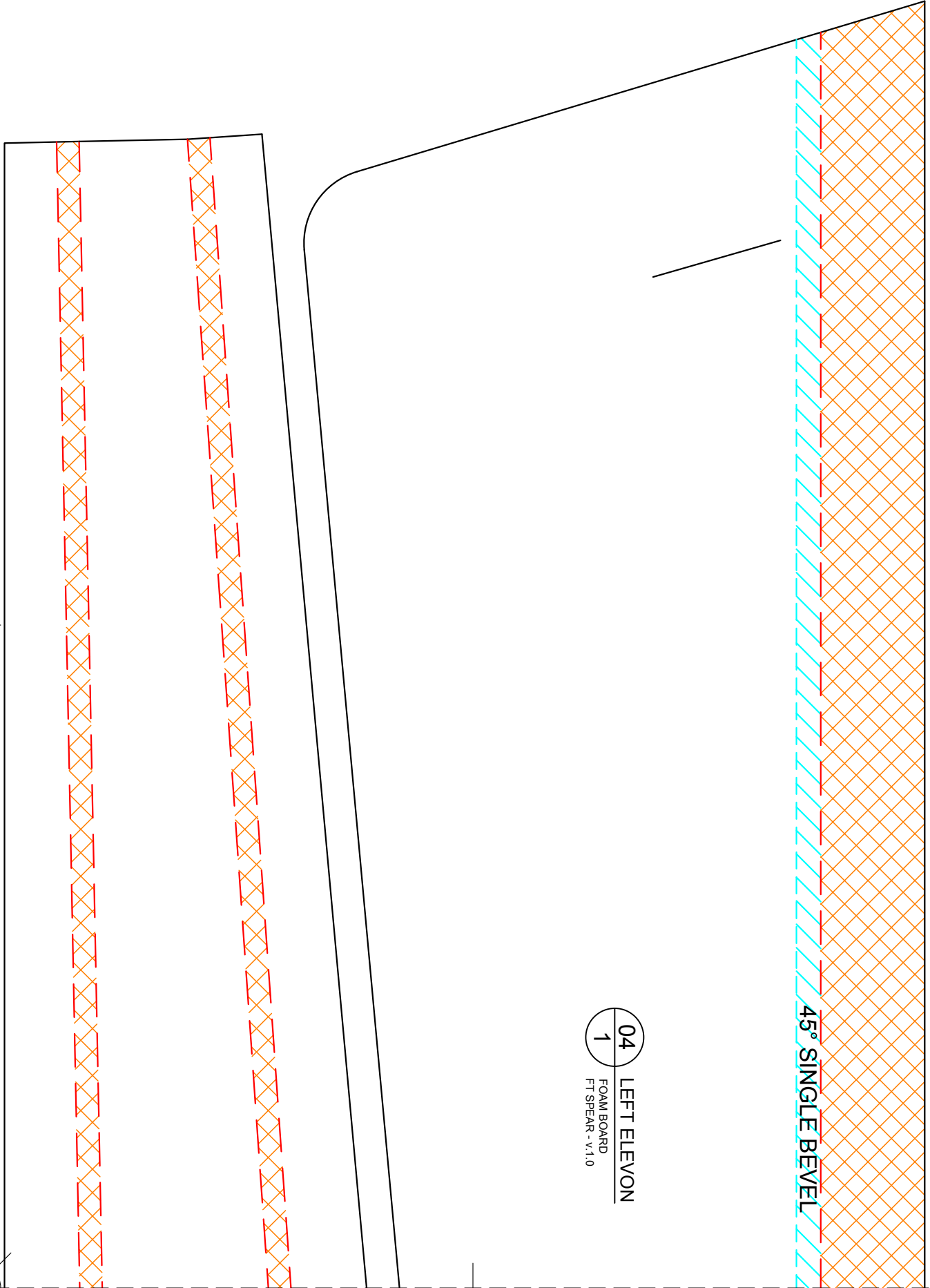
15
4

HATCH SUPPORT

FOAM BOARD
FT SPEAR - v.1.0

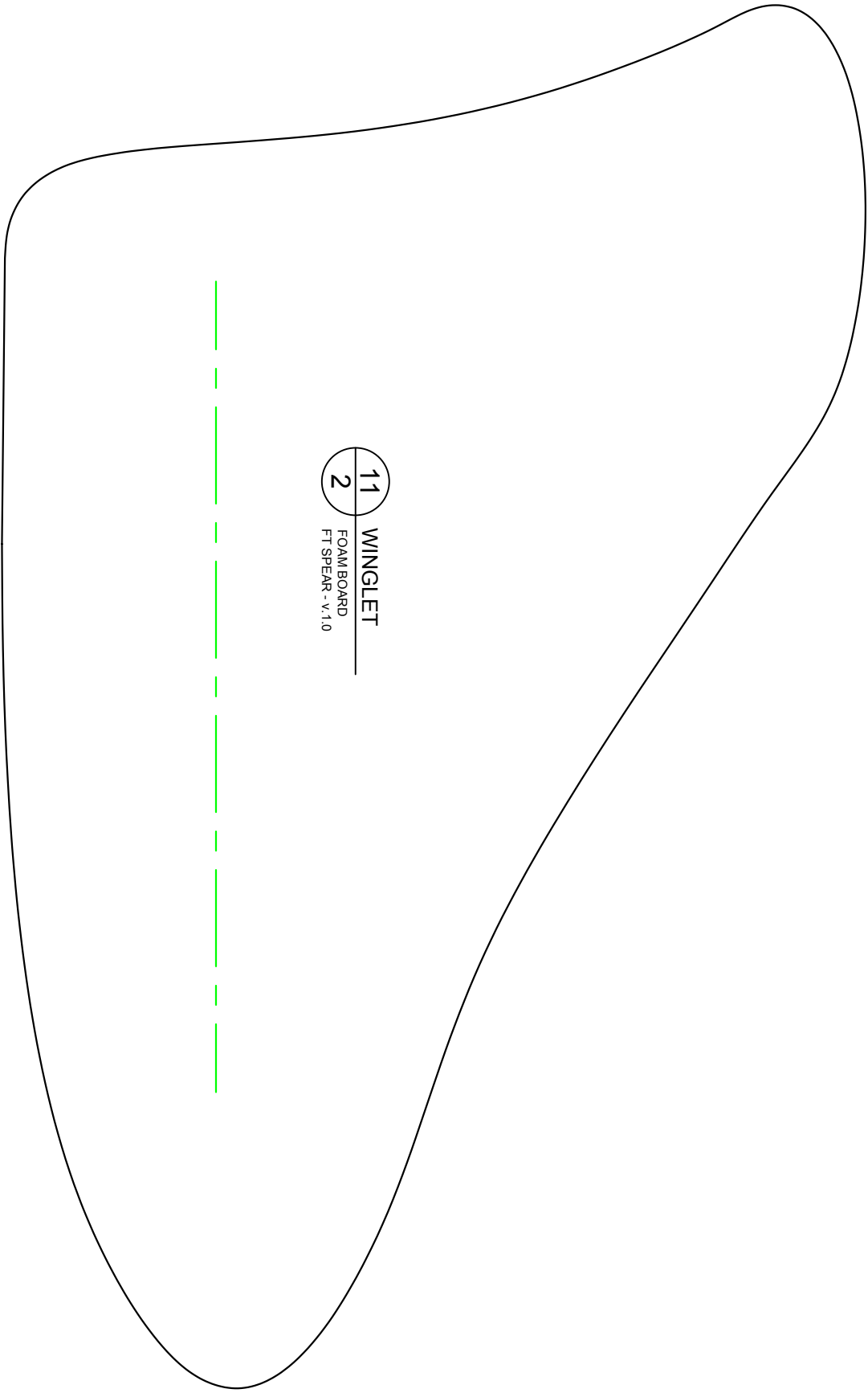


04 RIGHT ELEVON
FOAM BOARD
FT SPEAR - v.1.0



04 LEFT ELEVON
FOAM BOARD
1 FT SPEAR - V.1.0

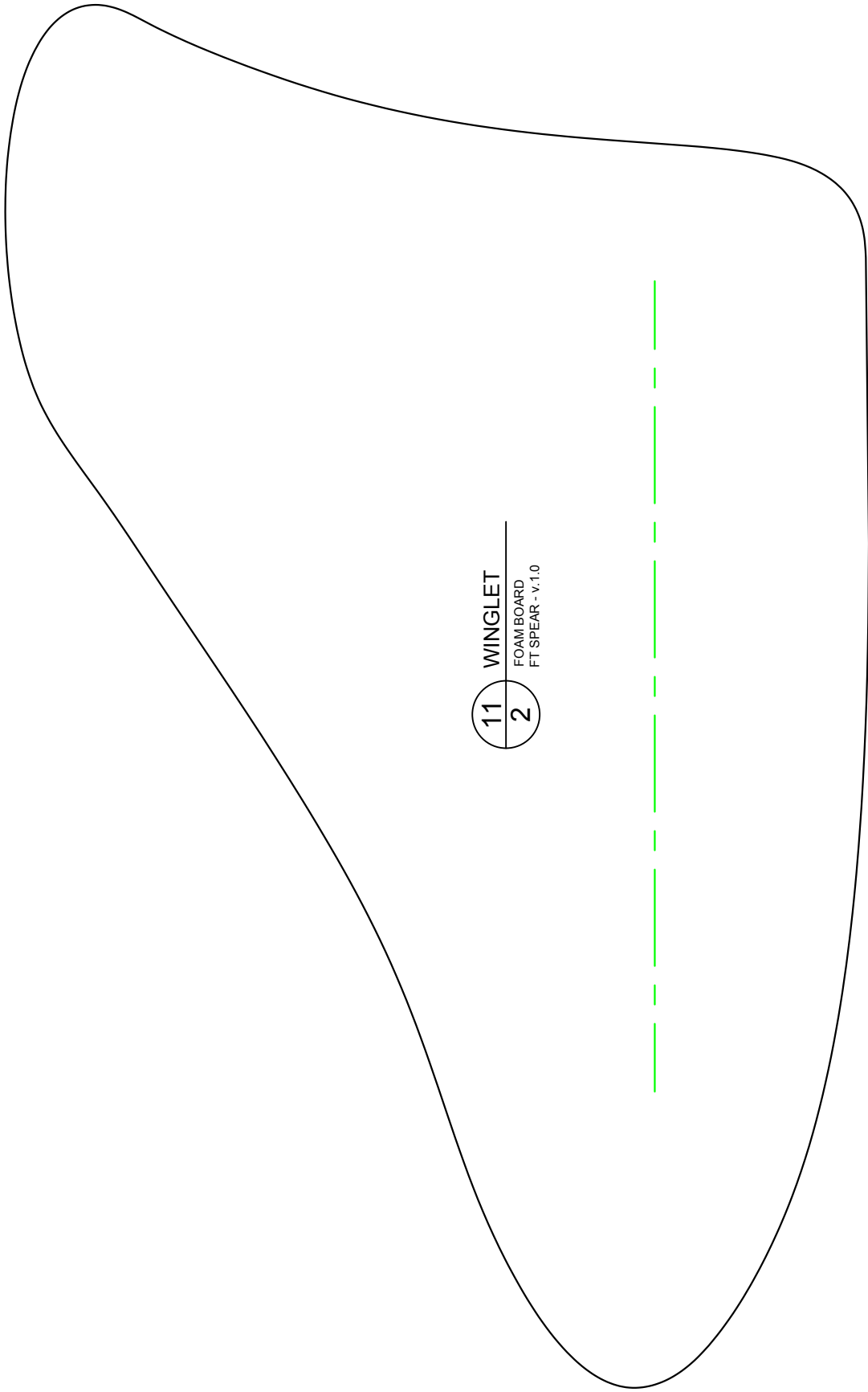
45° SINGLE BEVEL



11
2

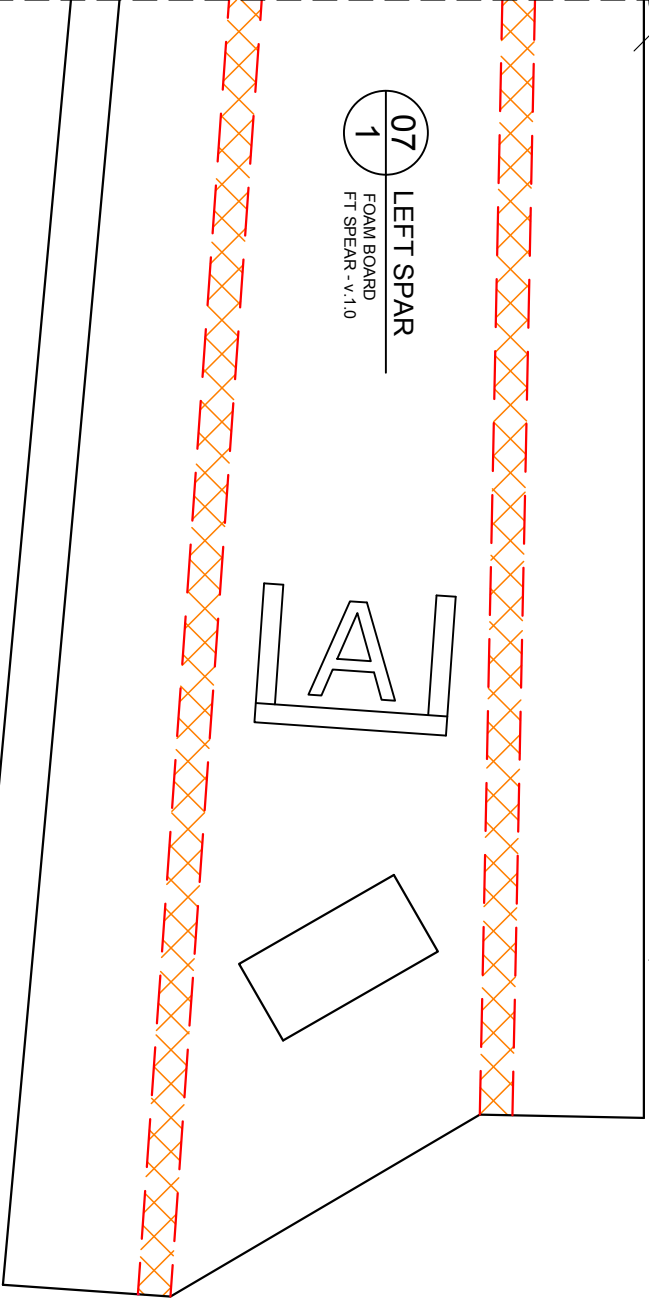
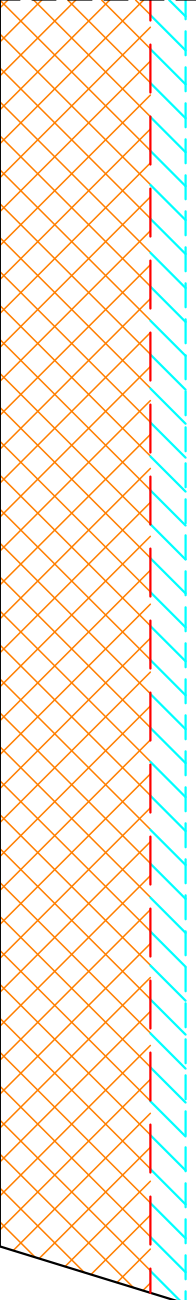
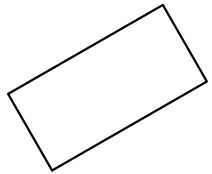
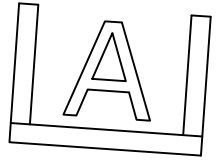
WINGLET

FOAM BOARD
FT SPEAR - v.1.0

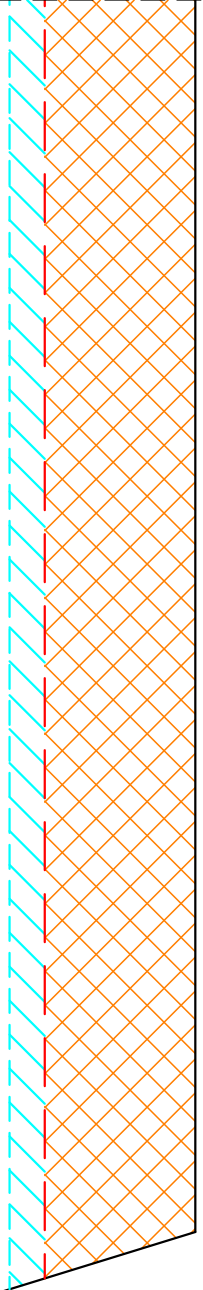
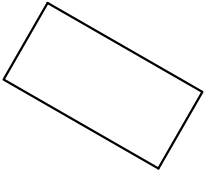
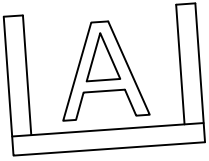


11 WINGLET
2 FOAM BOARD
FT SPEAR - v.1.0

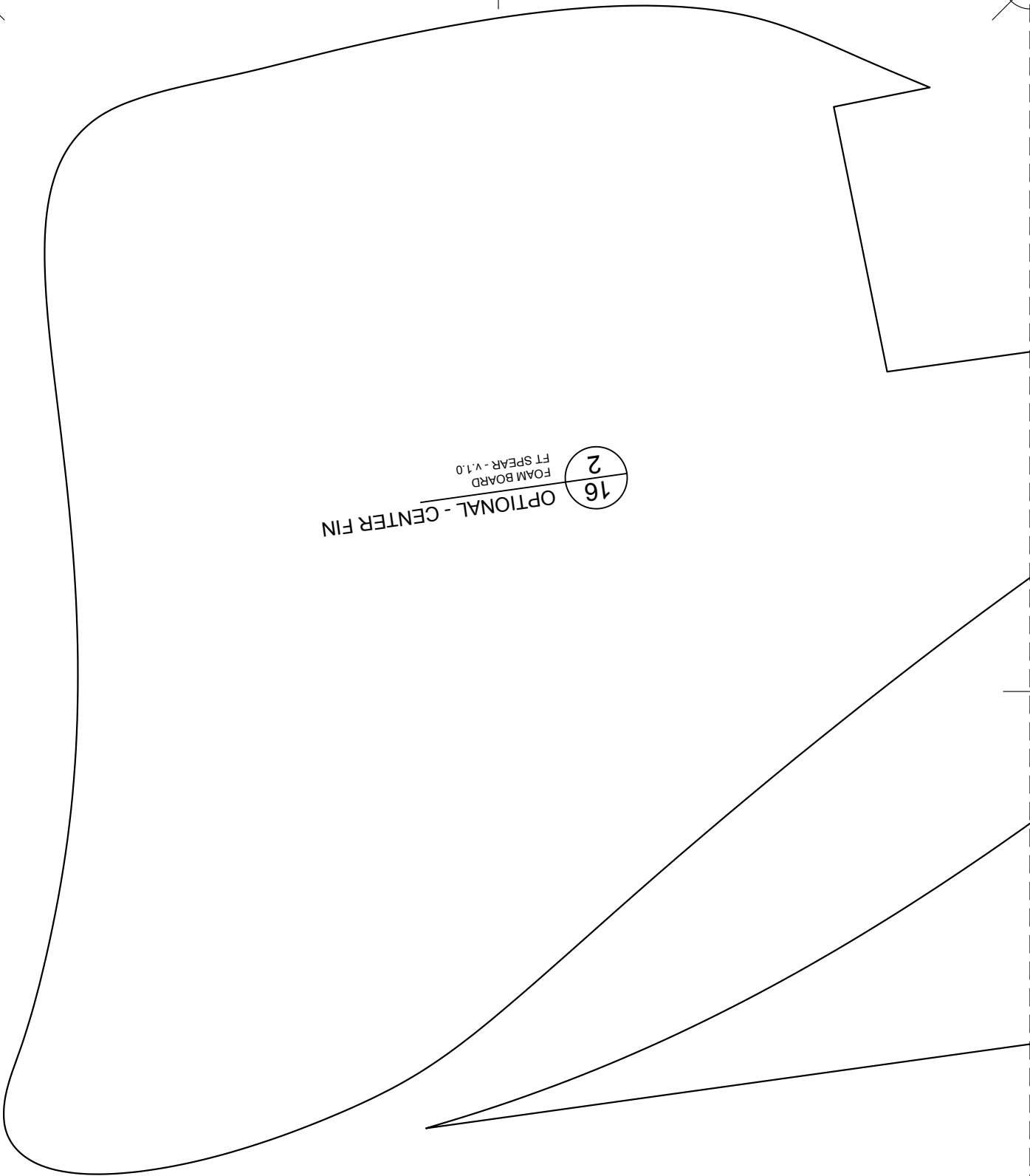
07
1
LEFT SPAR
FOAM BOARD
FT SPEAR - v.1.0



06
1
RIGHT SPAR
FOAM BOARD
FT SPEAR - V.1.0

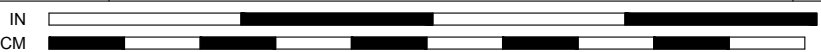


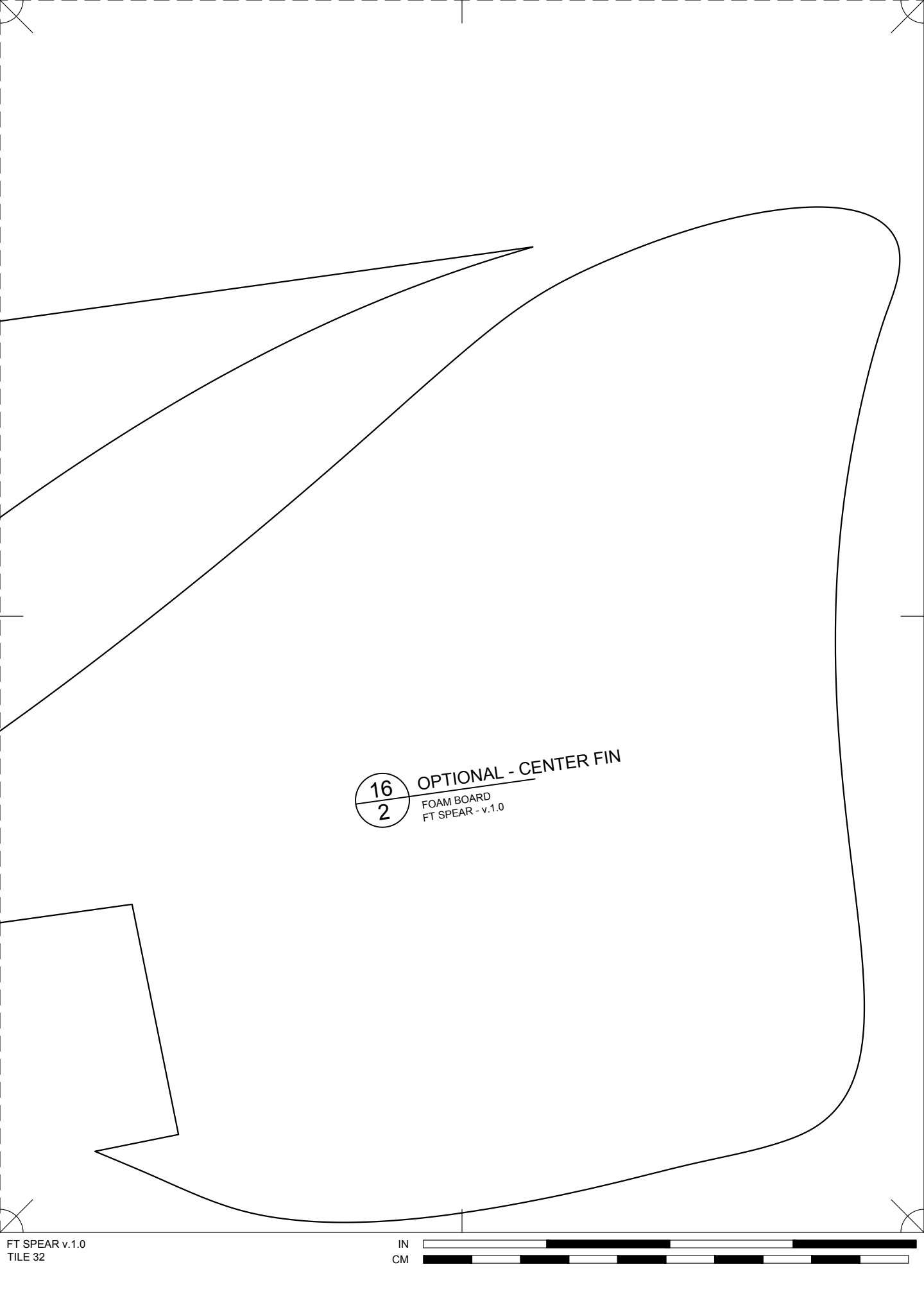
IN
CM



OPTIONAL - CENTER FIN
FOAM BOARD
FT SPEAR - v.1.0

16
2

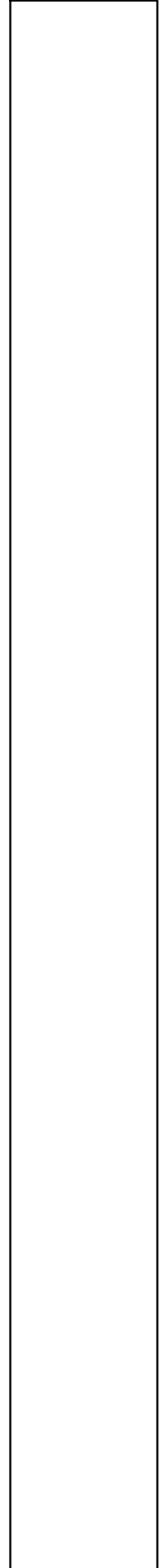
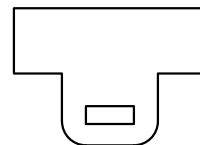
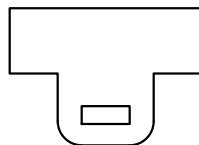
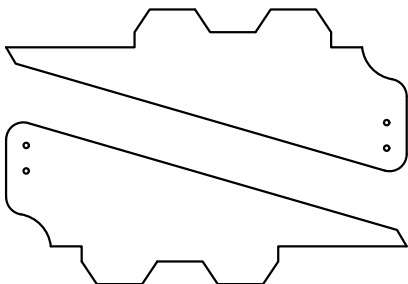
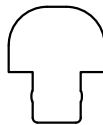
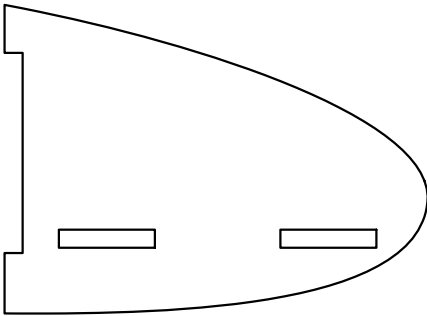
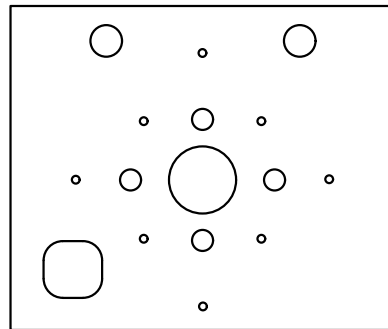
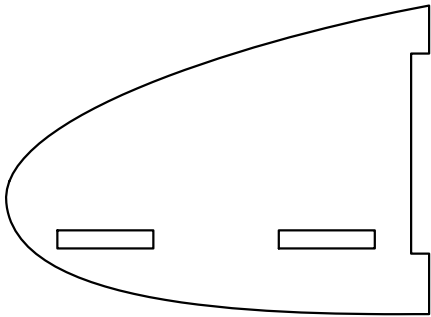
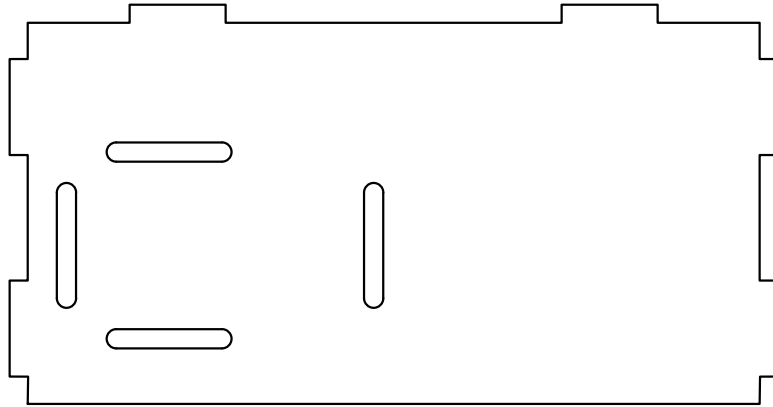
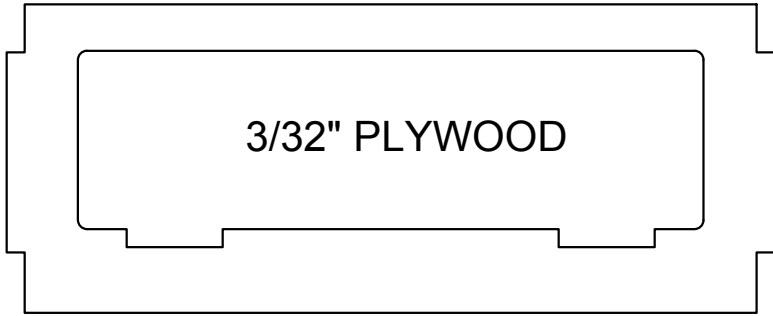


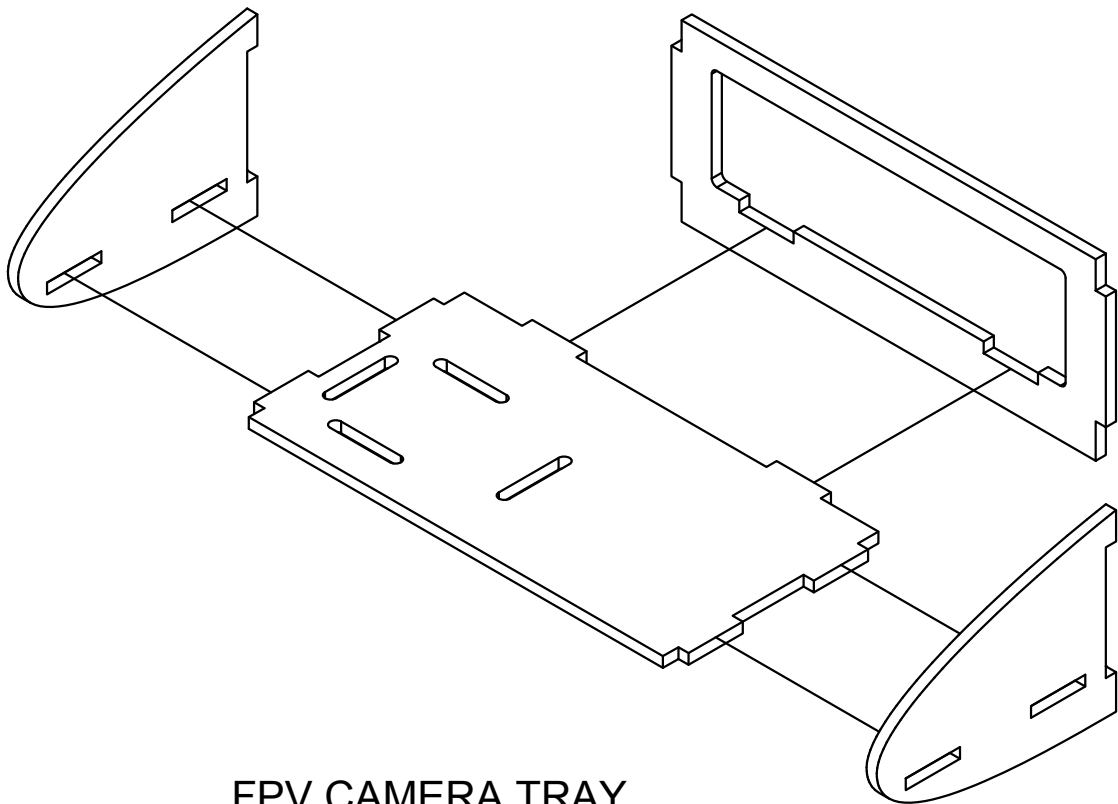


16
2

OPTIONAL - CENTER FIN
FOAM BOARD
FT SPEAR - v.1.0







FPV CAMERA TRAY
EXPLODED ASSEMBLY