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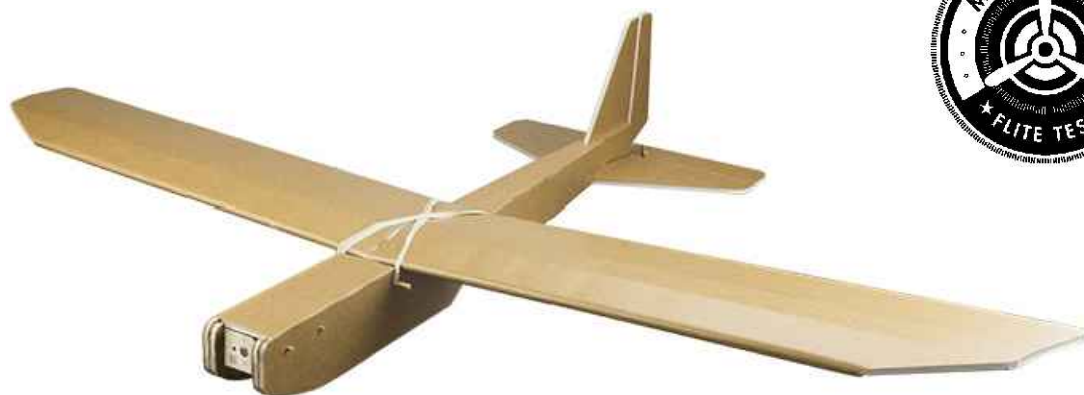
FT Tiny Trainer

Designed By: Josh Bixler

Drawing By: Dan Sponholz

Version: 1.1

Date: 2020.03.18



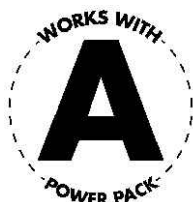
GENERAL SPECIFICATIONS:

LENGTH:	25.5 in	648 mm
CG:	1.75 in	44 mm
WINGSPAN:	37 in	940 mm
WING AREA:	194 in ²	12.5 dm ²
DRY WEIGHT:	6.8 oz.	193 g
ALL UP WEIGHT:	9.5oz.	270 g
WING LOADING:	7.1 oz/ft ²	22 g/dm ²
WCL:	6.1	
THROWS:	16°	
EXPO:	30%	
CHANNELS:	2 - 4 [THR AIL ELE RUD]	

RECOMMENDED ELECTRONICS:

MOTOR:	1806 2280 kv
PROPELLER:	6X3
ESC:	12-20 amp
SERVOS:	2-4 ~ 5 g
BATTERY:	500-800 mAh 2S-3S

SPONZ



BUILD SKILL LEVEL:

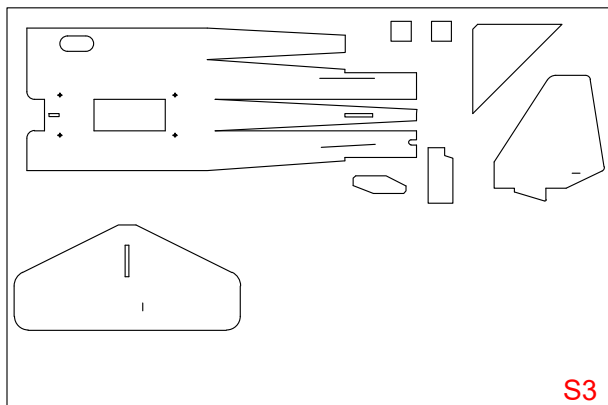
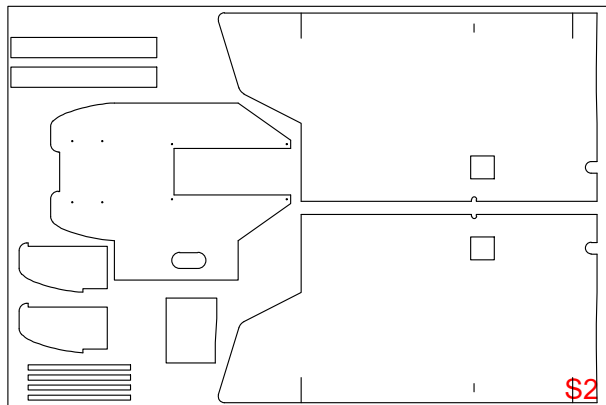
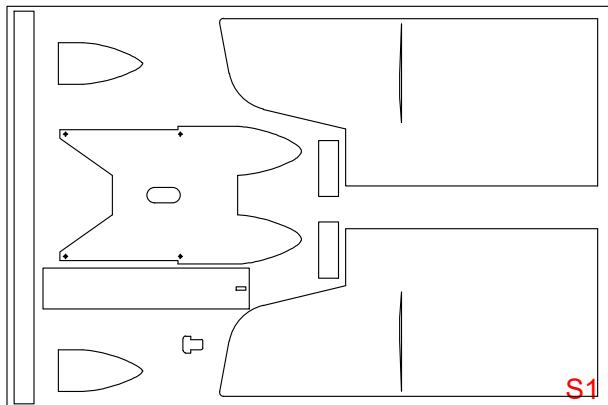


PILOT SKILL LEVEL:



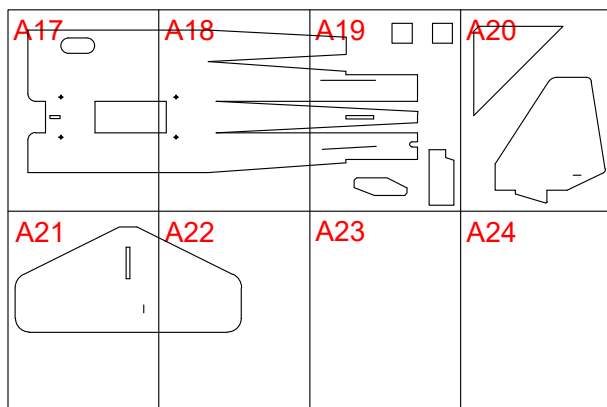
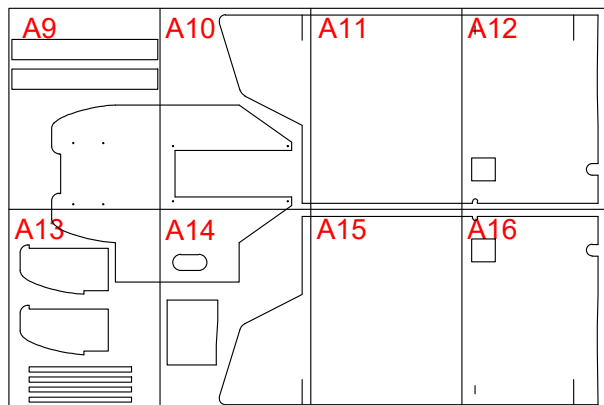
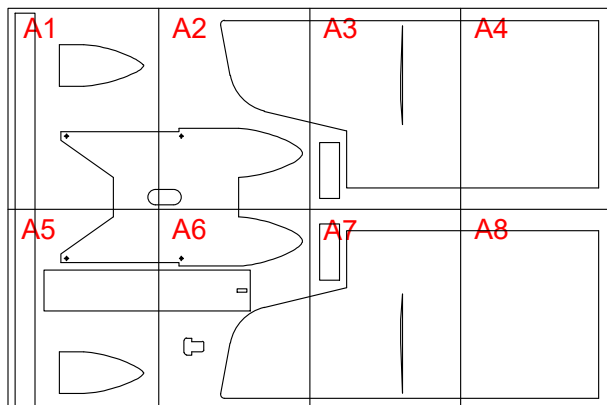


FT Tiny Trainer: Full-Size Key



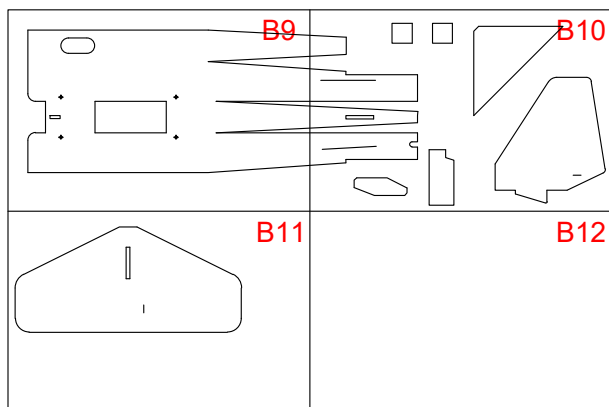
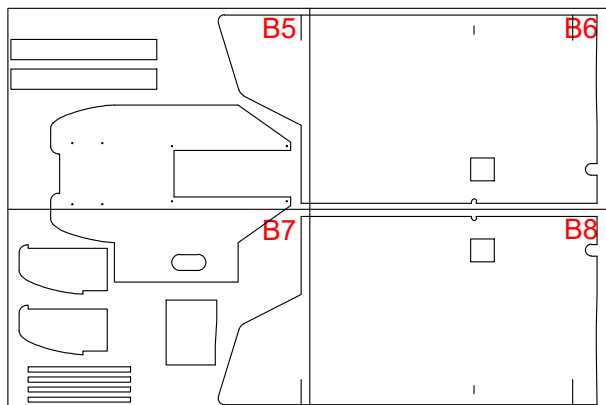
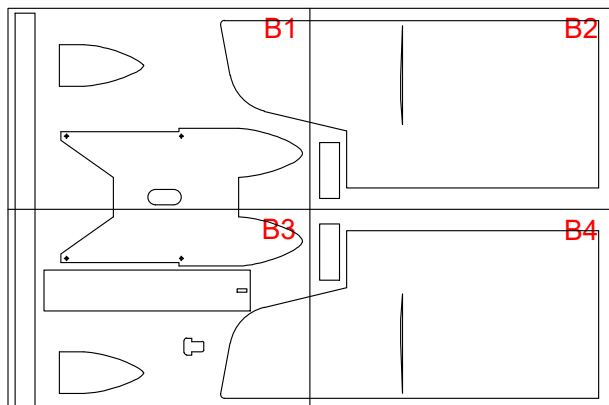


FT Tiny Trainer: Tile A Key





FT Tiny Trainer: Tile B Key

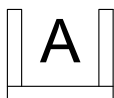




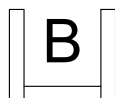
Drawing Key



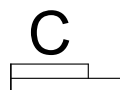
FOLD TYPES



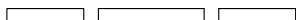
A



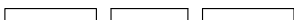
B



C



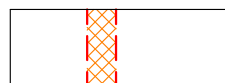
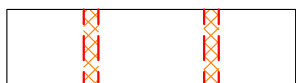
A - FOLD (ABOVE)



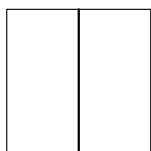
B - FOLD (BESIDE)



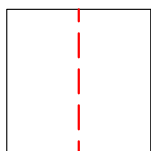
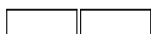
C - FOLD (COVER)



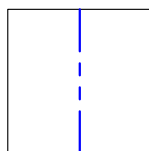
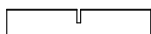
LINE TYPE/COLOR



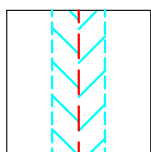
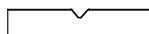
CUT



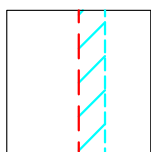
50% SCORE



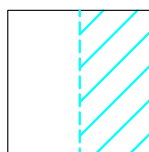
CREASE



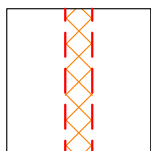
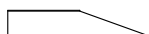
45° DOUBLE
BEVEL



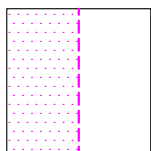
45° SINGLE
BEVEL



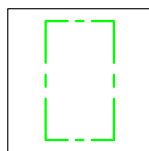
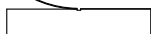
EDGE
BEVEL



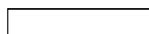
CAVITY



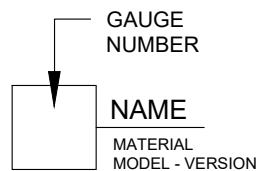
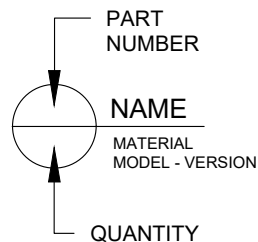
REMOVE
PAPER



REFERENCE/
OPTIONAL



SYMBOLS



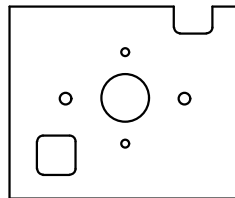
CENTER
OF
GRAVITY
(CG)



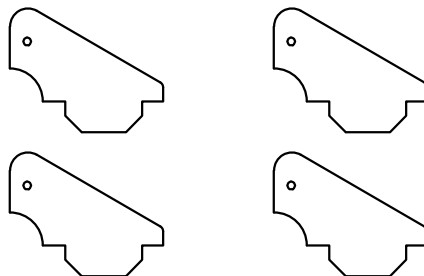
FT Tiny Trainer: Wood Parts



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



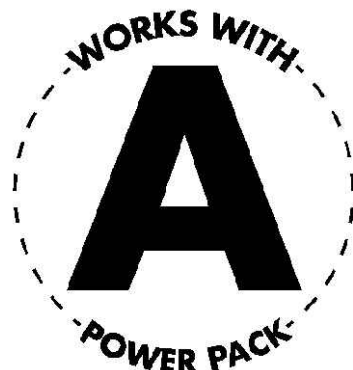
FT MINI FIREWALL



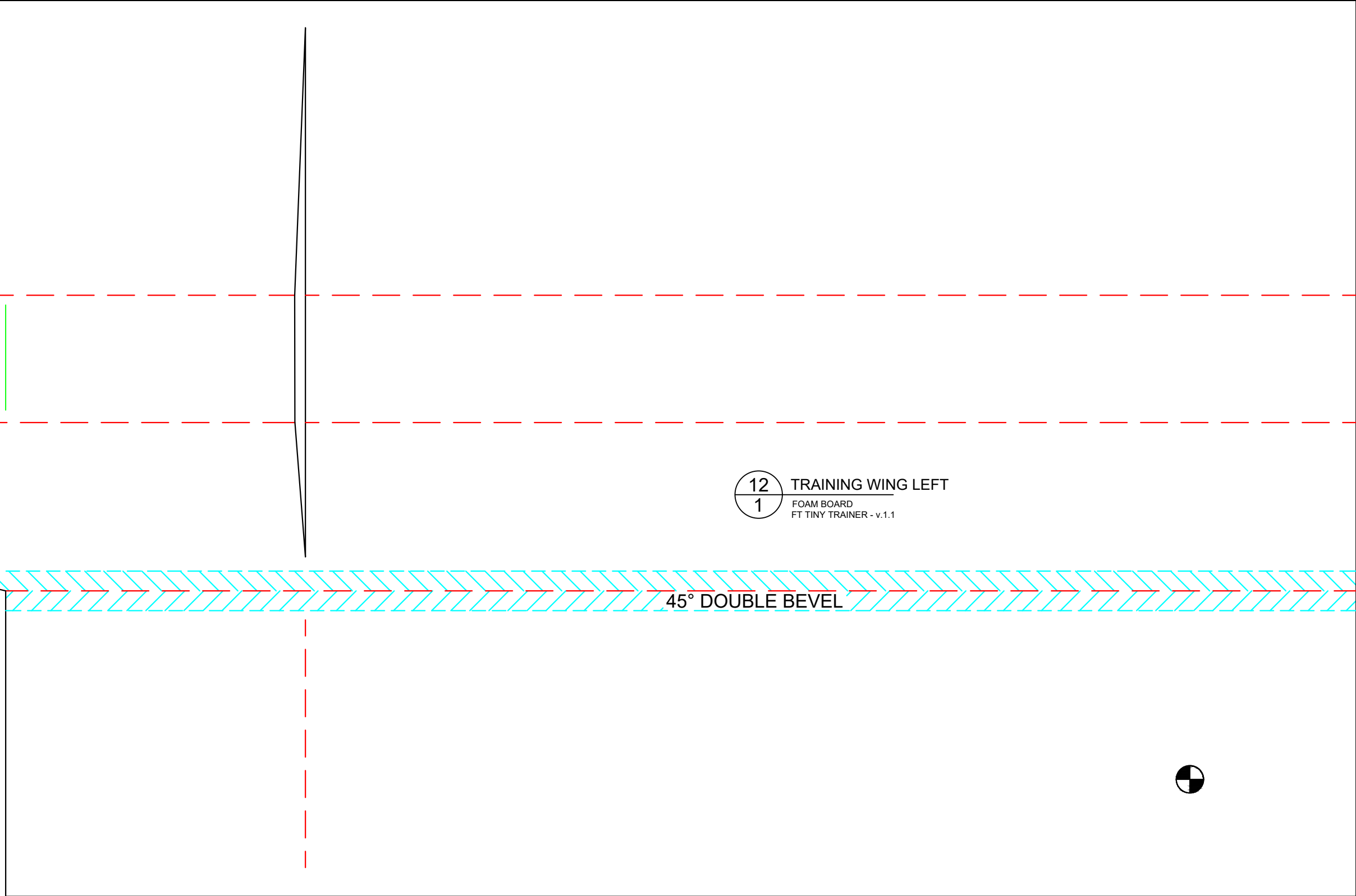
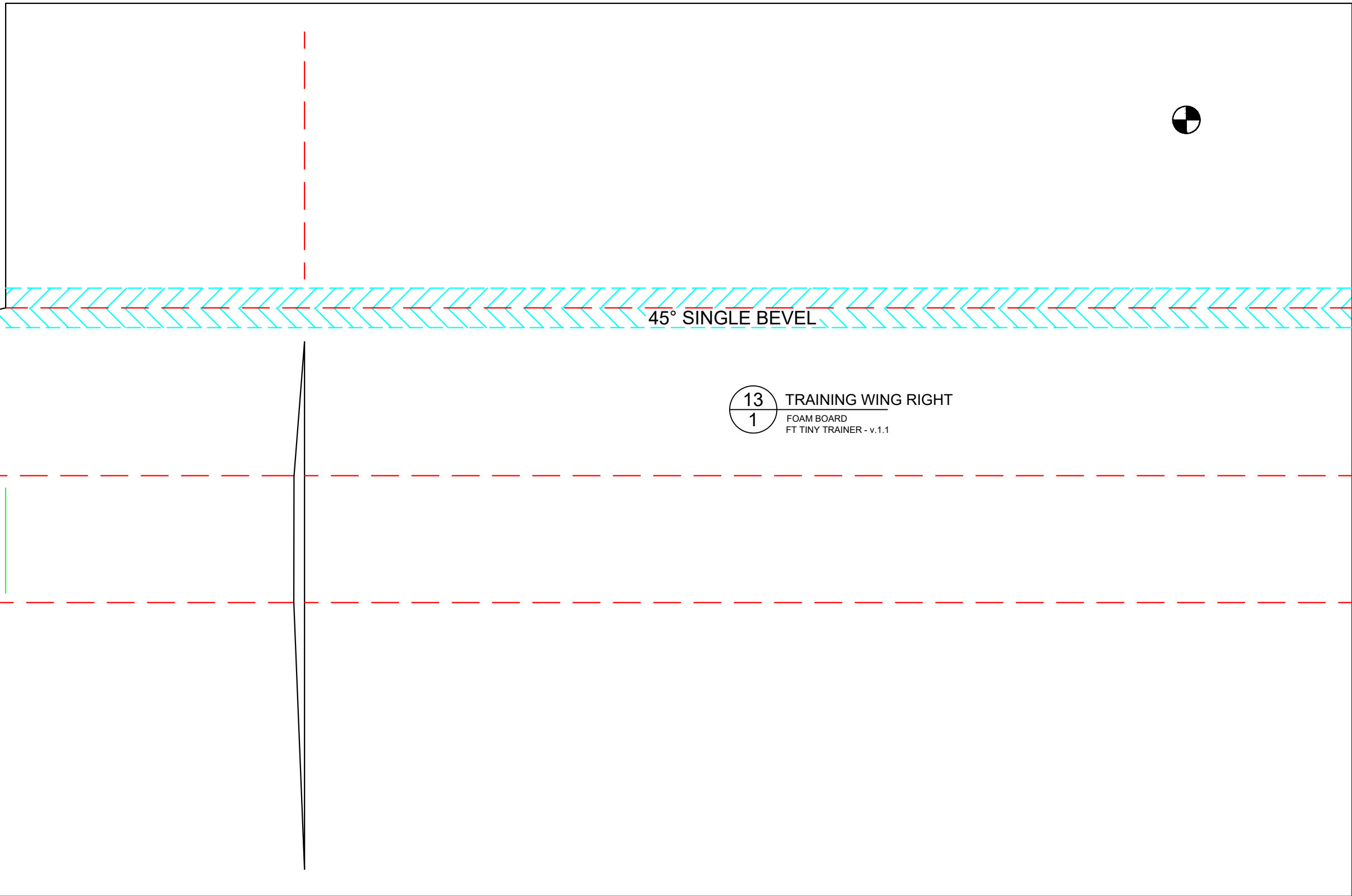
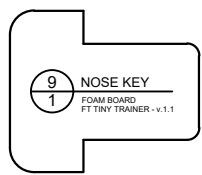
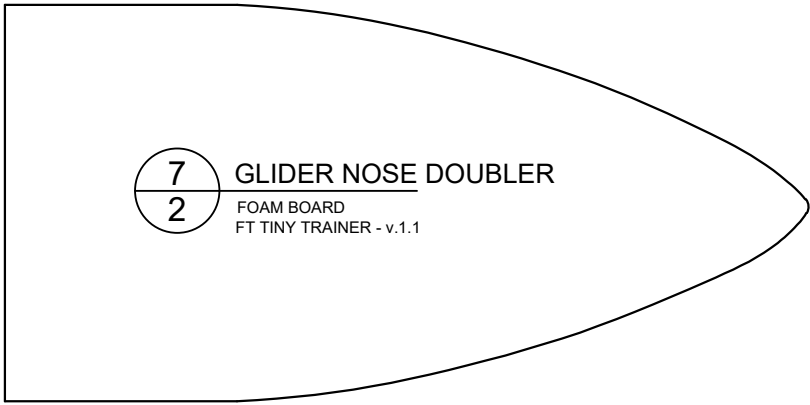
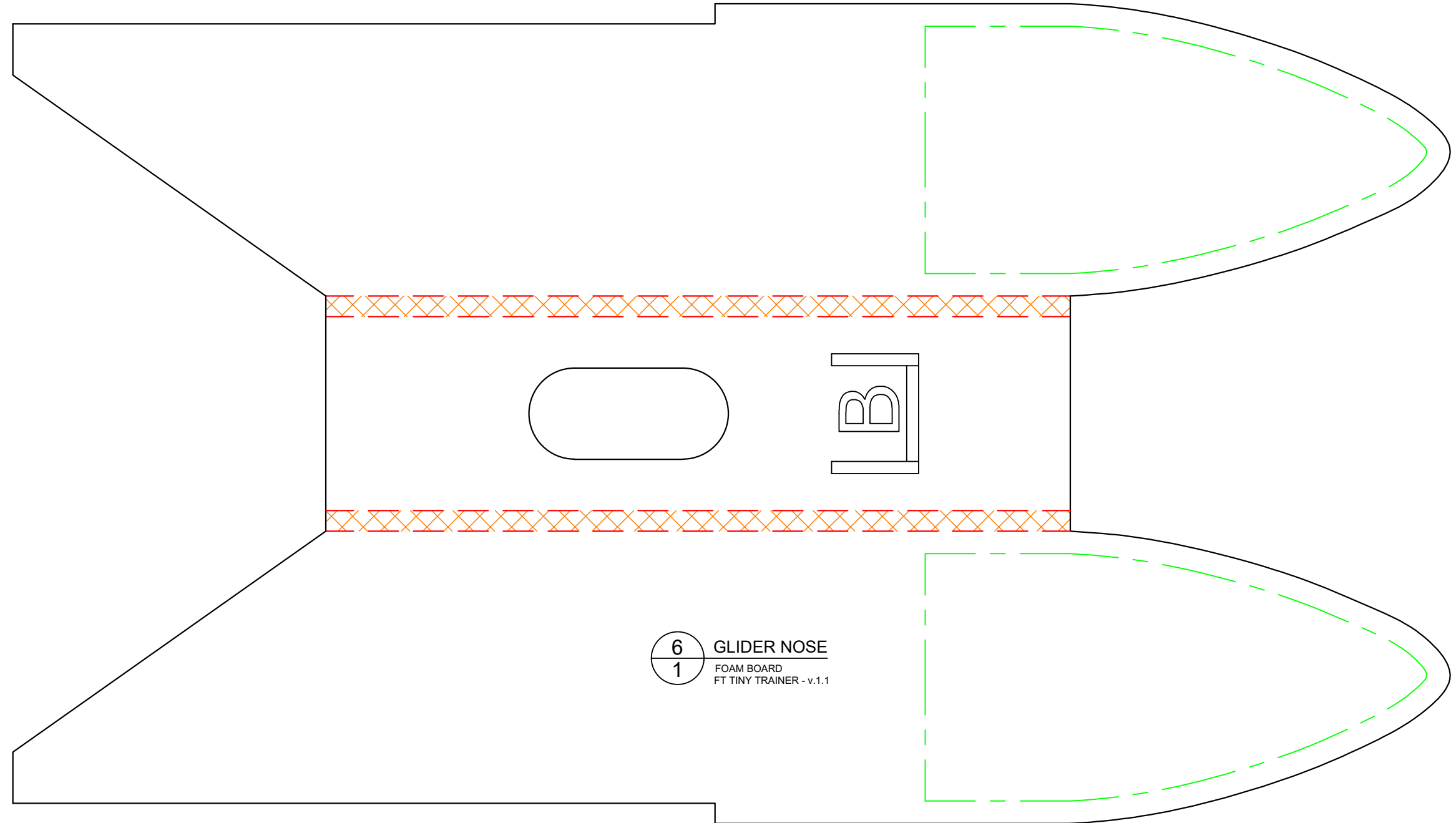
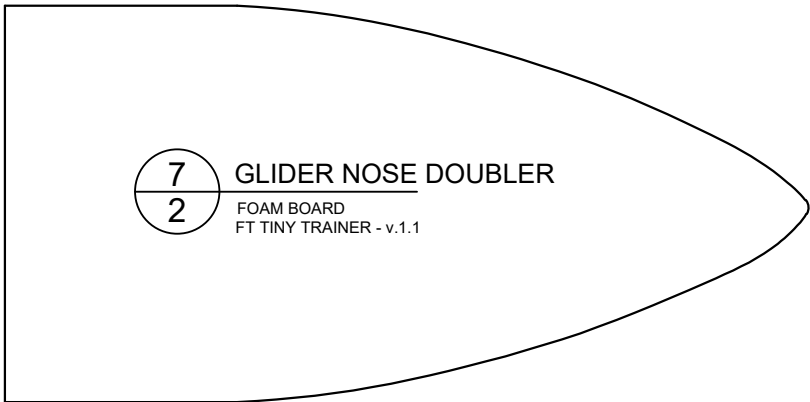
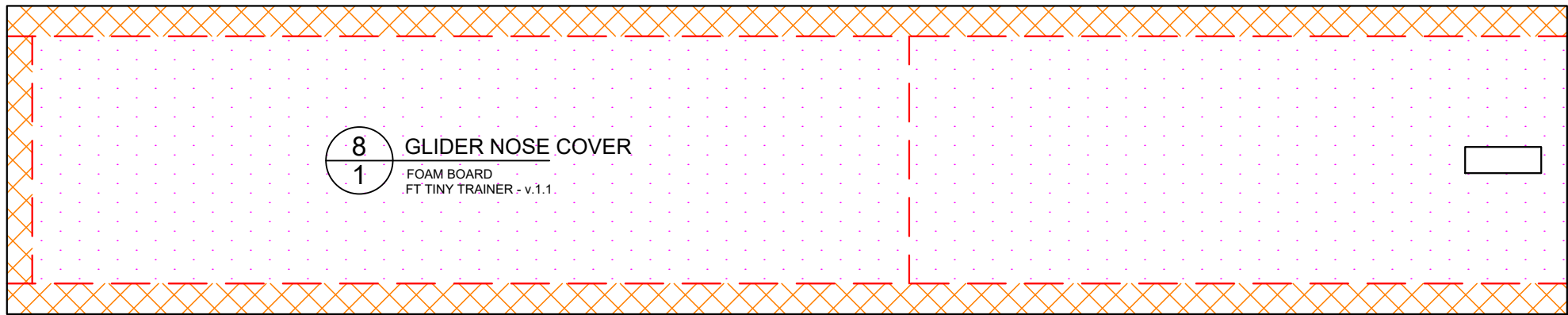
FT MINI CONTROL HORNS

FT Tiny Trainer

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14 TRAINING WING SPAR LONG
1



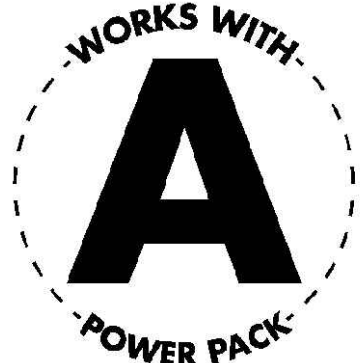
IN 12
CM 30
SHEET 1 OF 3



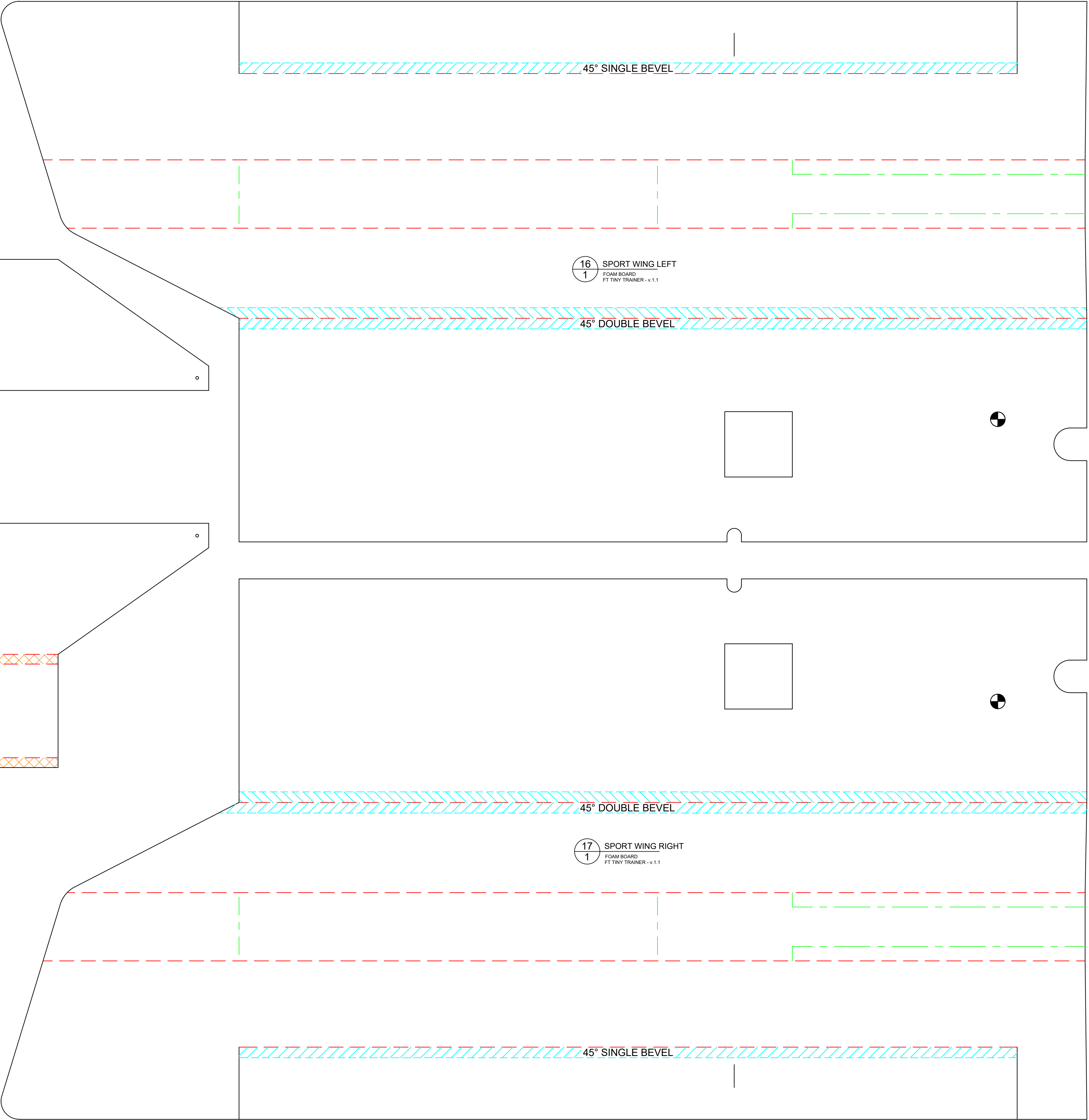
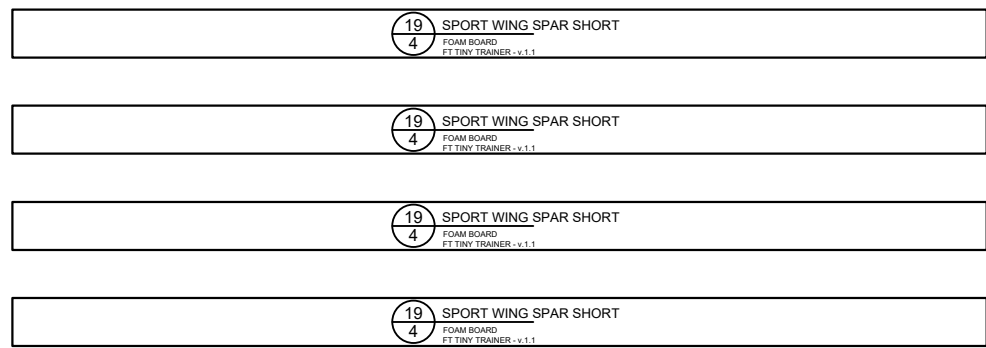
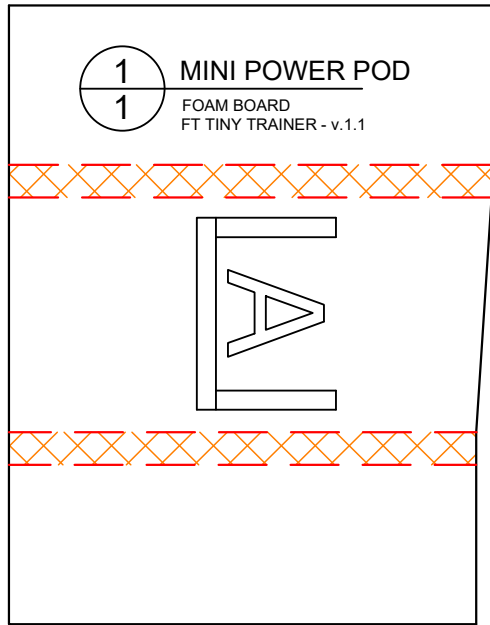
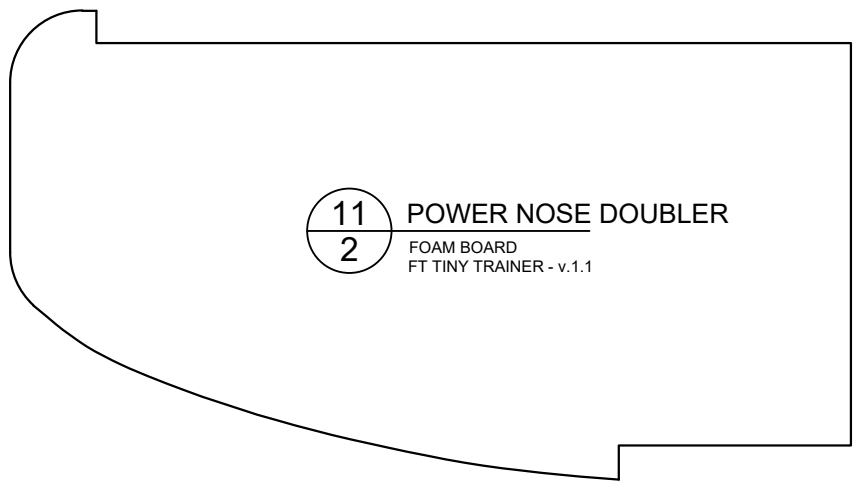
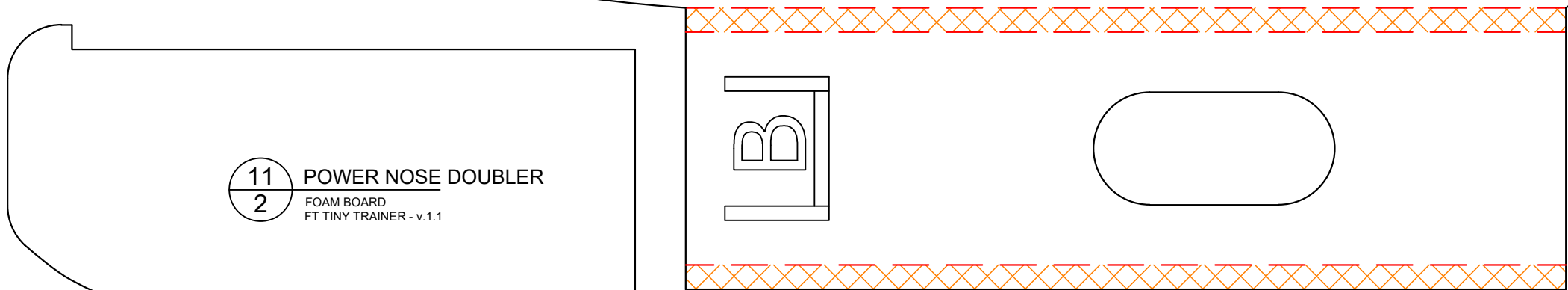
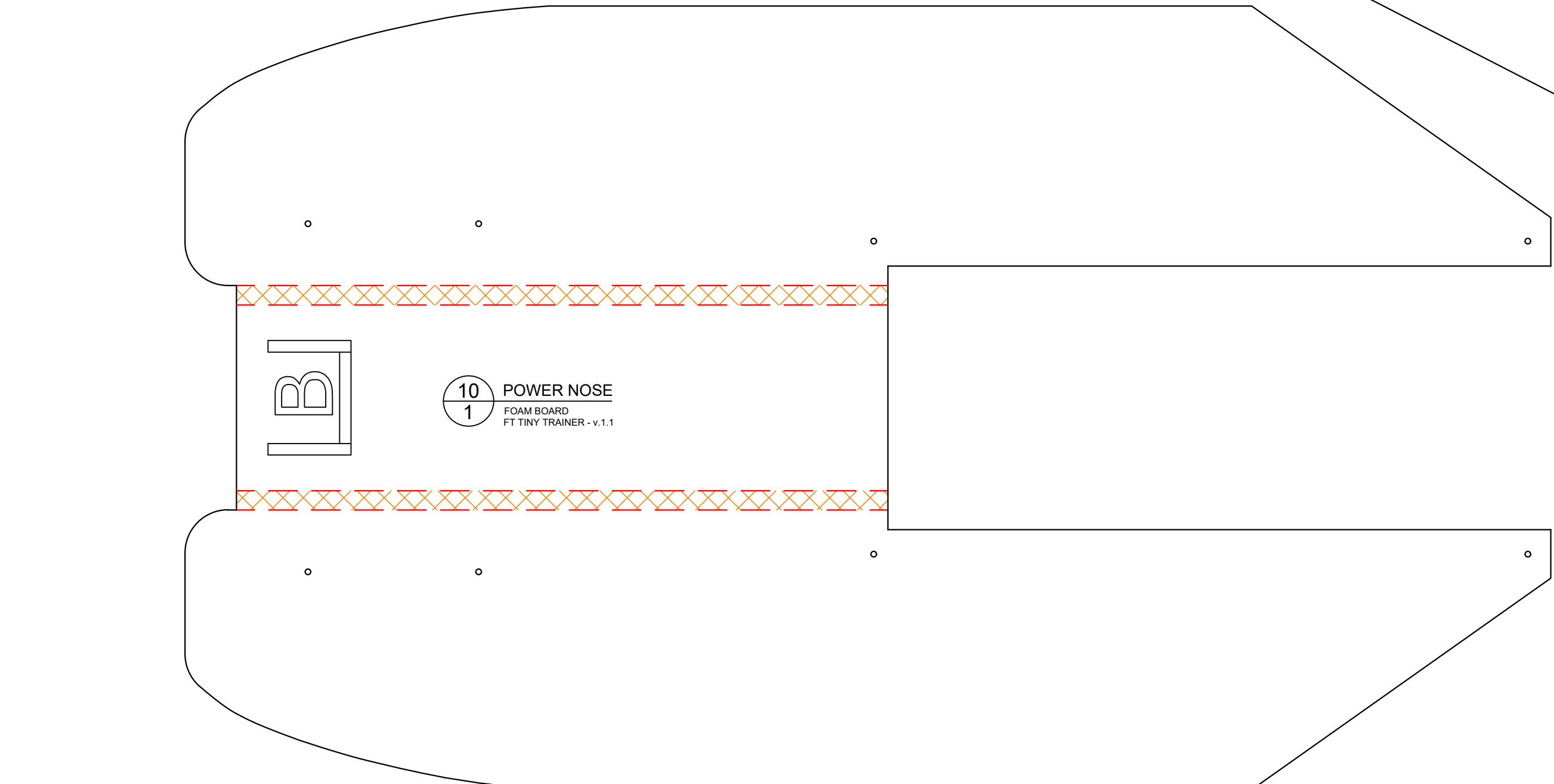
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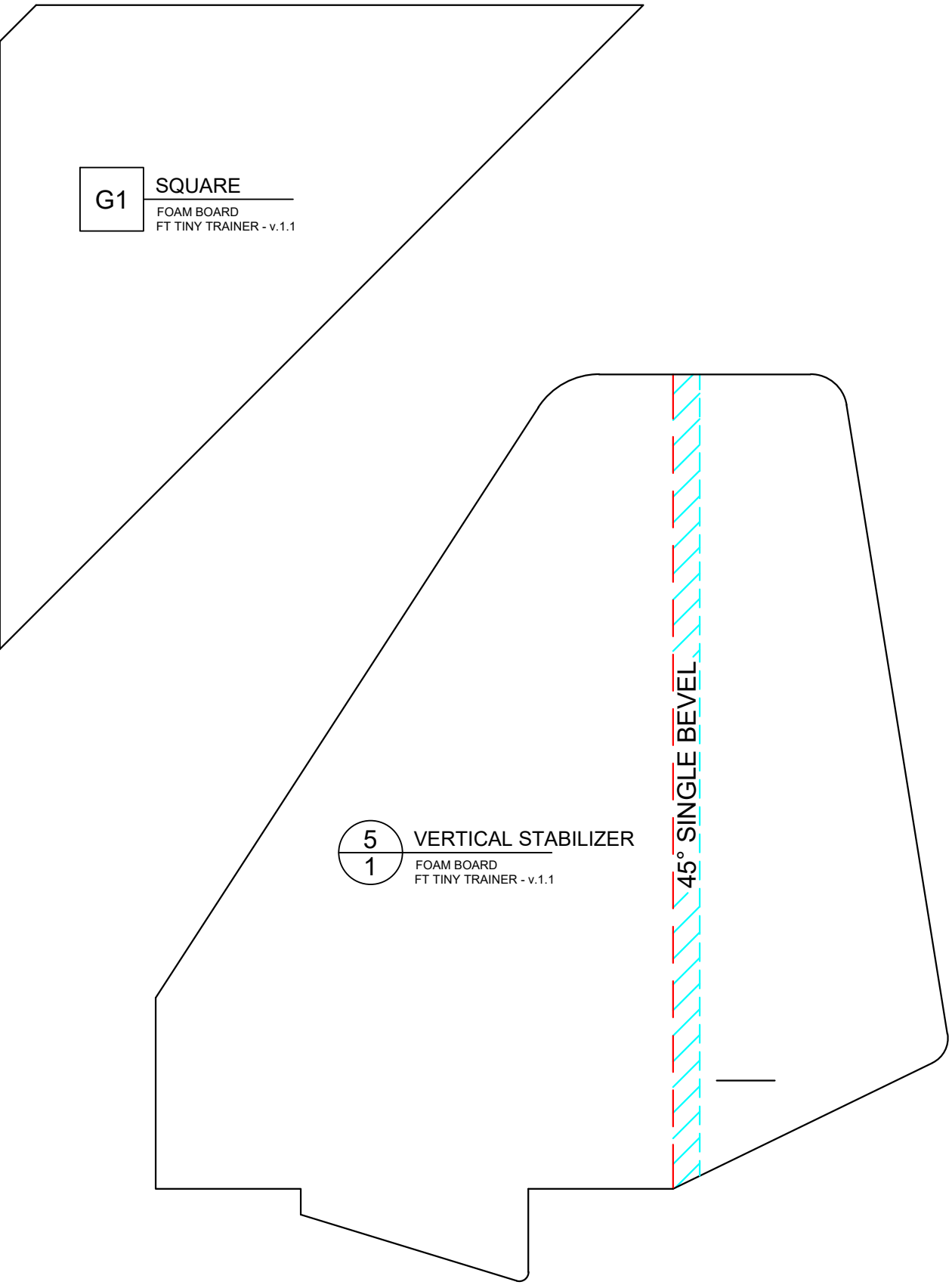
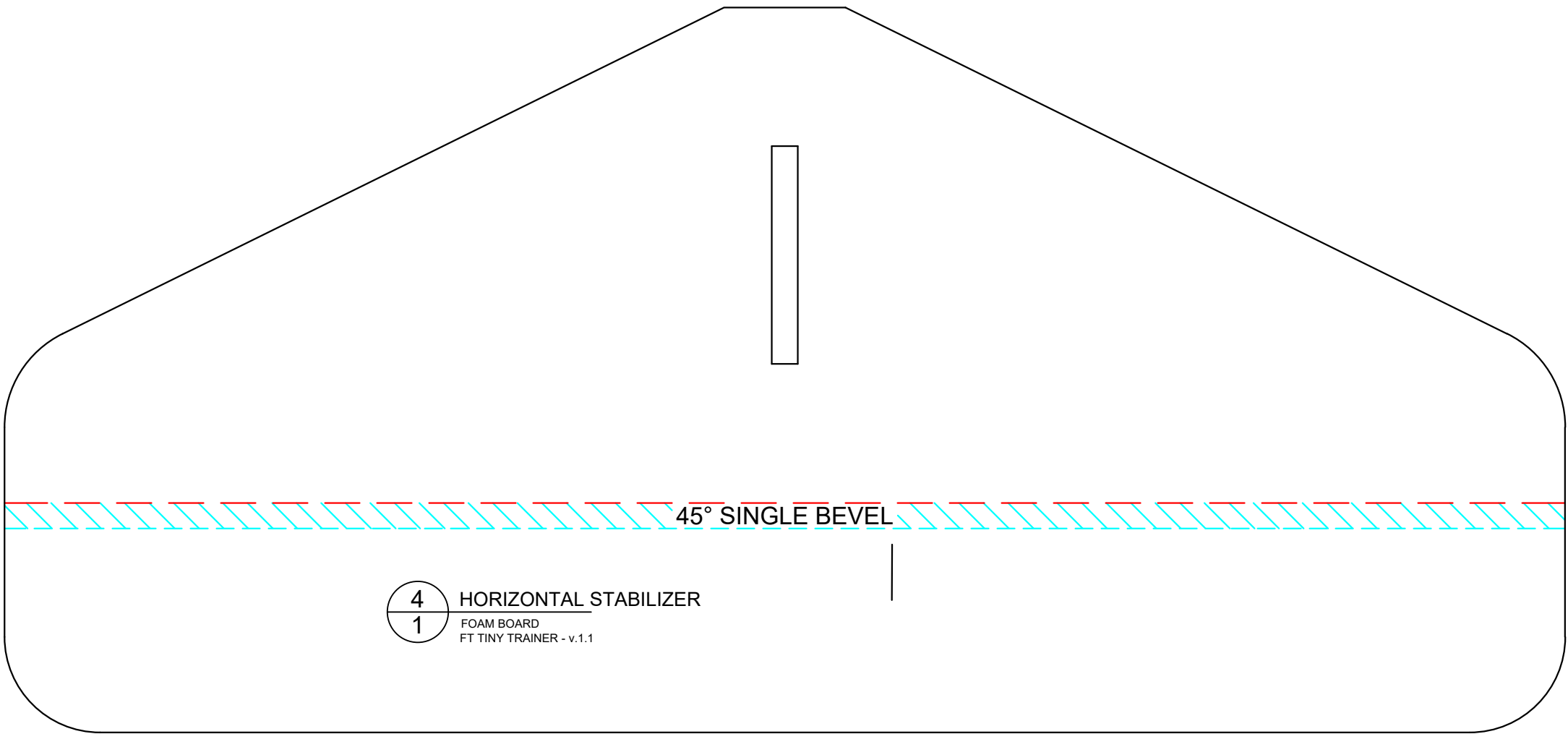
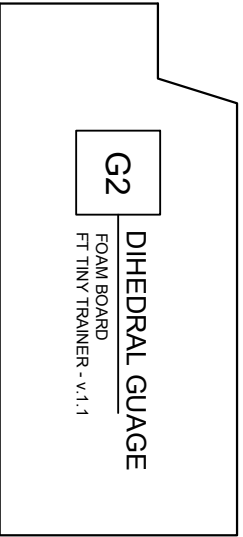
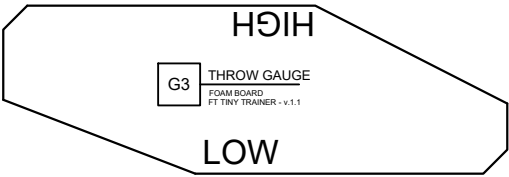
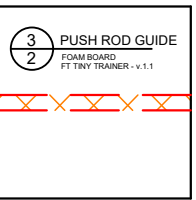
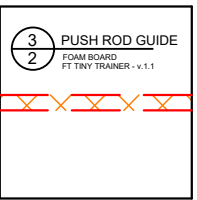
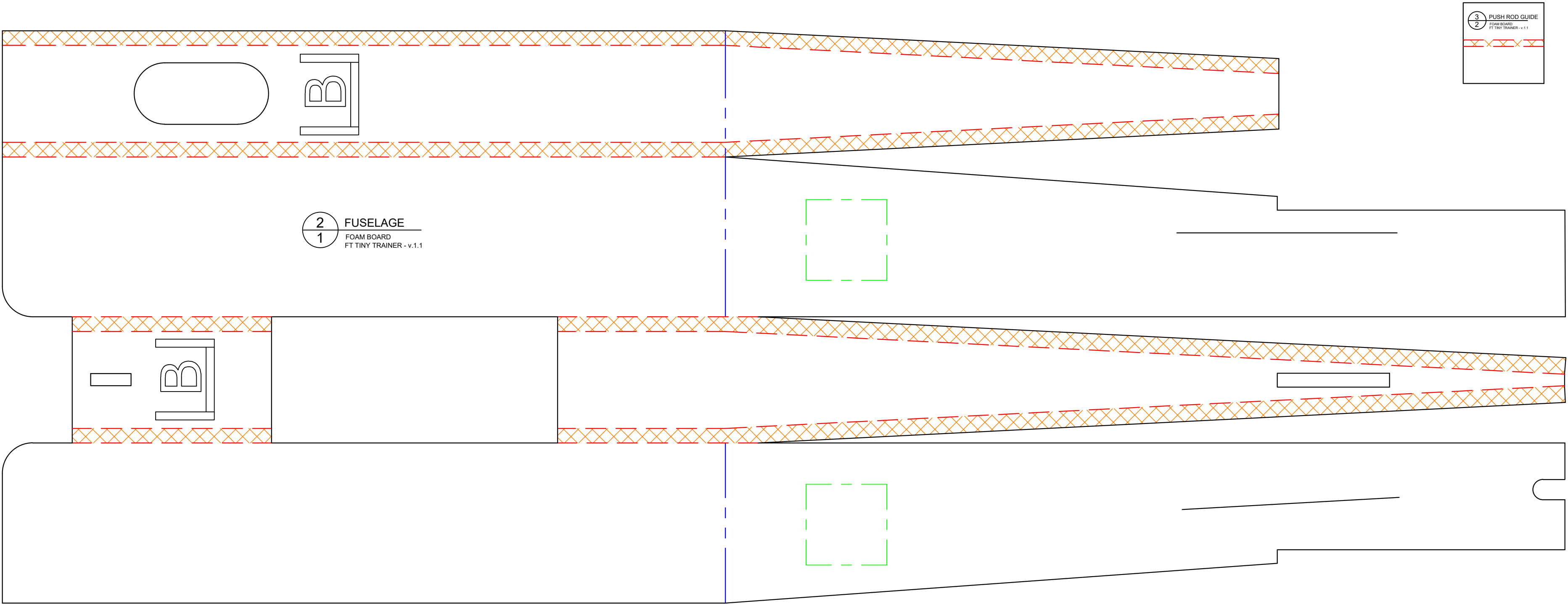
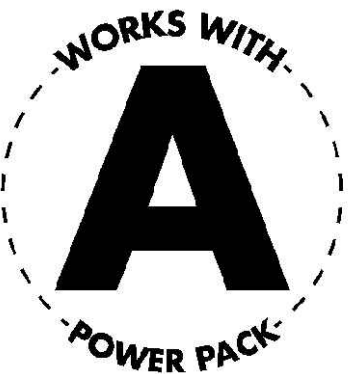


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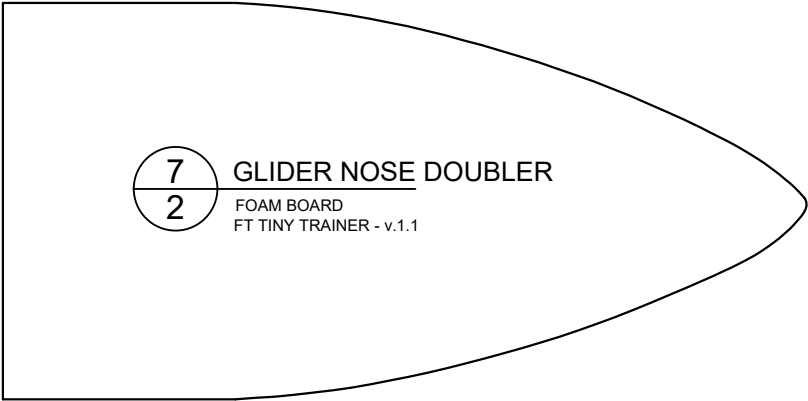
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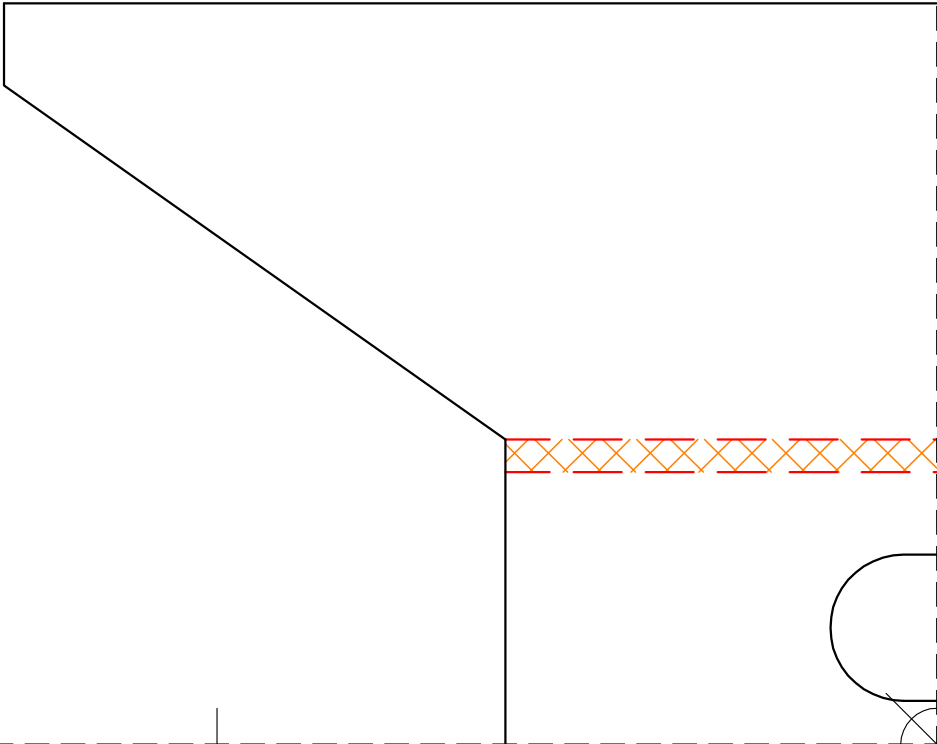
IN
CM



7
2

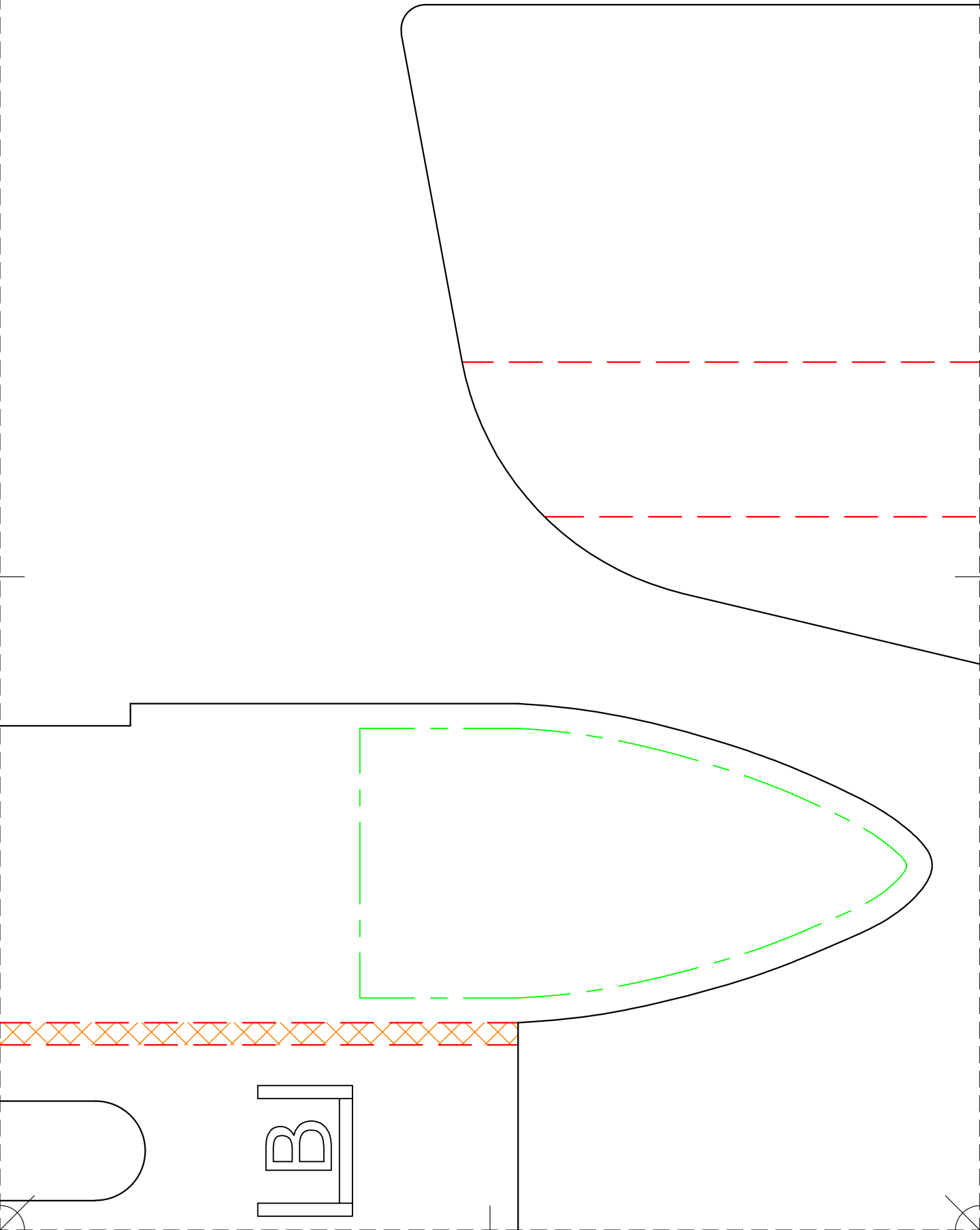
GLIDER NOSE DOUBLER

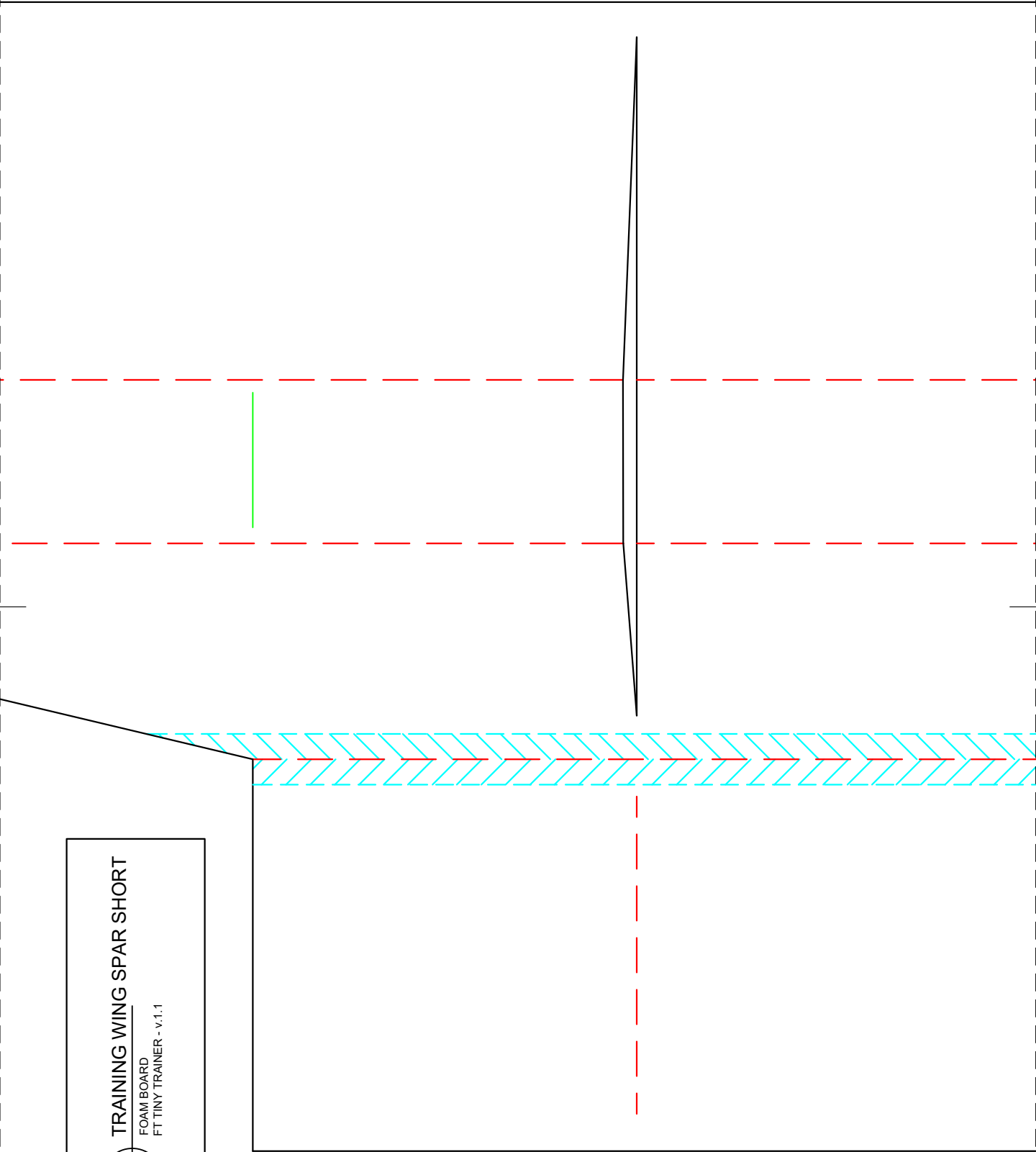
FOAM BOARD
FT TINY TRAINER - v.1.1





IN
CM





15

2

TRAINING WING SPAR SHORT

FOAM BOARD
FT TINY TRAINER - v.1.1



IN
CM



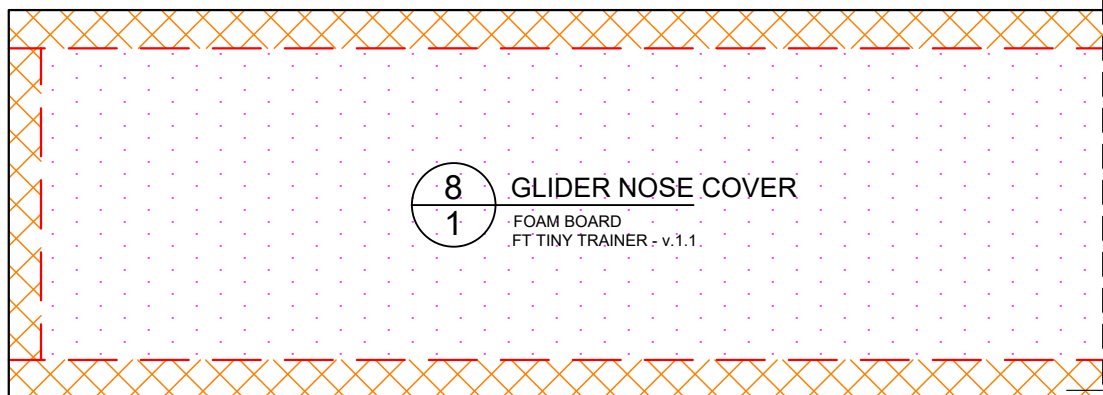
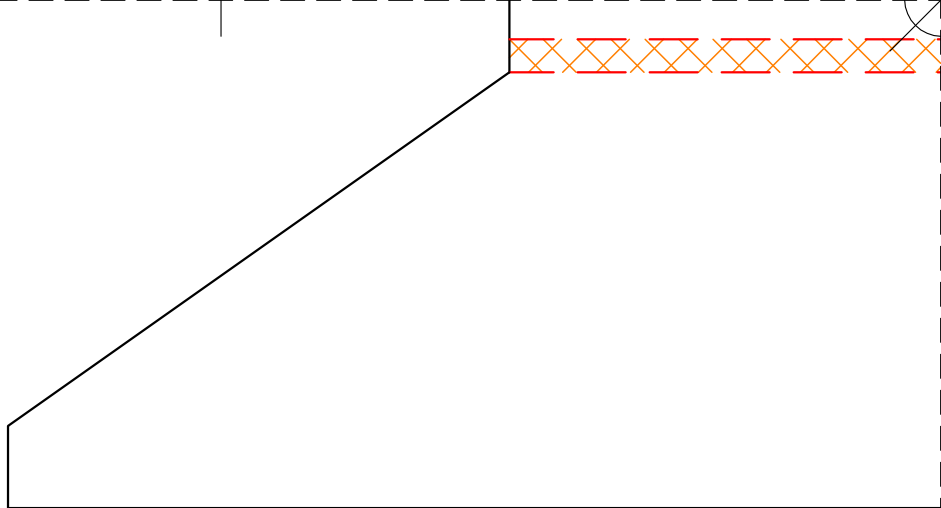
TRAINING WING LEFT

FOAM BOARD
FT TINY TRAINER - v.1.1

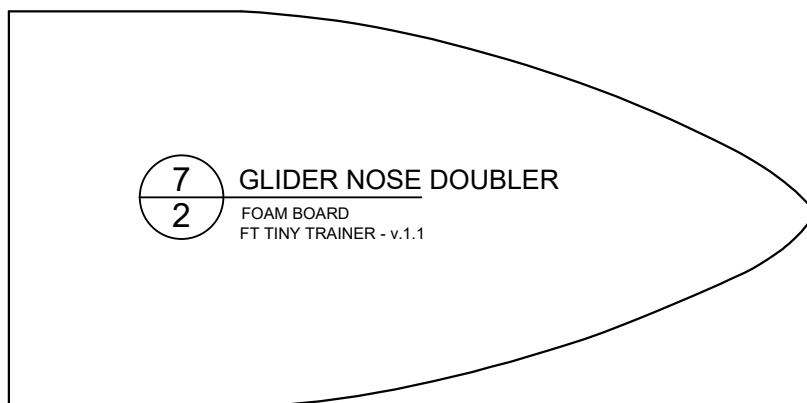
45° DOUBLE BEVEL



14 TRAINING WING SPAR LONG
1 FOAM BOARD
FT TINY TRAINER - v.1.1



8 GLIDER NOSE COVER
1 FOAM BOARD
FT TINY TRAINER - v.1.1

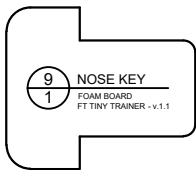
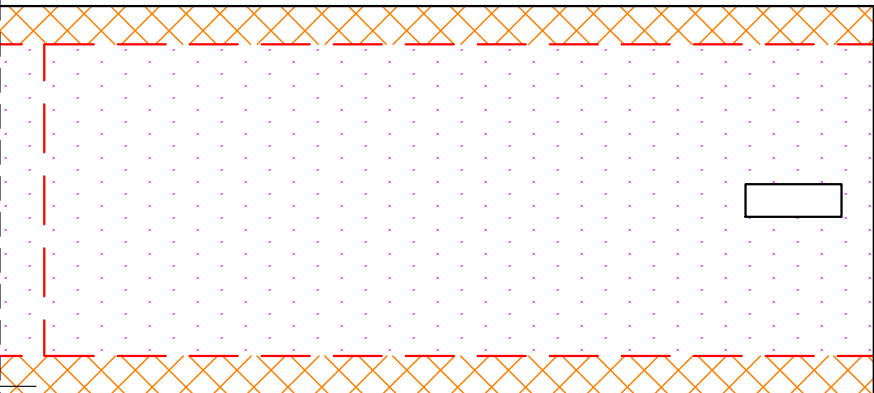
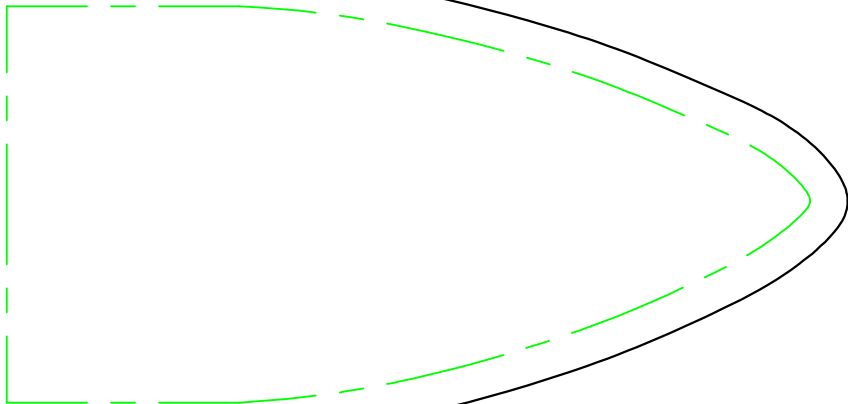


7 GLIDER NOSE DOUBLER
2 FOAM BOARD
FT TINY TRAINER - v.1.1

6
1

GLIDER NOSE

FOAM BOARD
FT TINY TRAINER - v.1.1



9
1

NOSE KEY

FOAM BOARD
FT TINY TRAINER - v.1.1

15 TRAINING WING SPAR SHORT
FOAM BOARD
FT TINY TRAINER - v.1.1

2

45° SINGLE BEVEL



TRAINING WING RIGHT

FOAM BOARD
FT TINY TRAINER - v.1.1



18
2

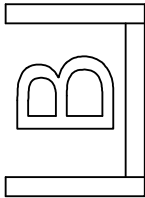
SPORT WING SPAR LONG

FOAM BOARD
FT TINY TRAINER - v.1.1

18
2

SPORT WING SPAR LONG

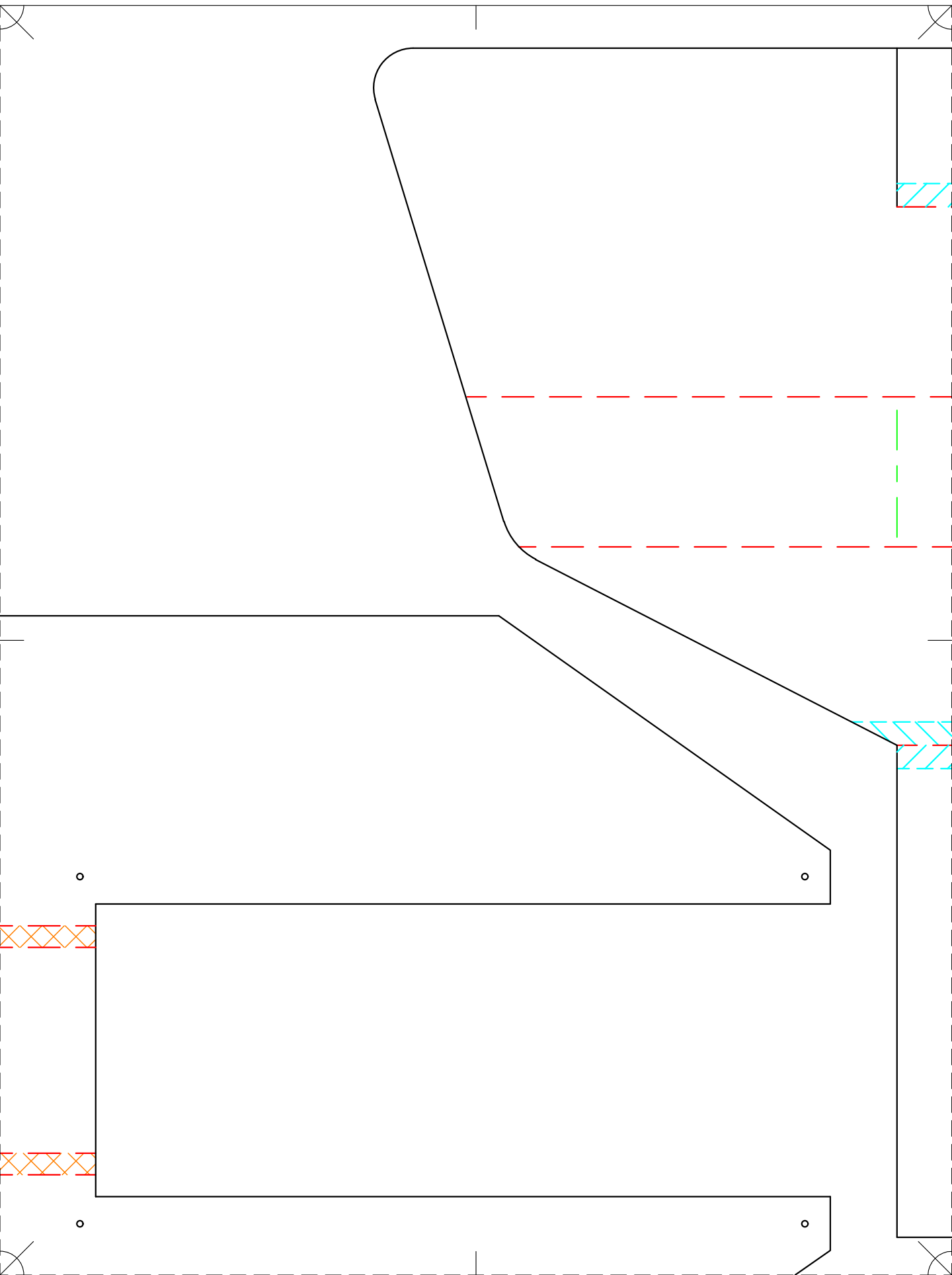
FOAM BOARD
FT TINY TRAINER - v.1.1



10
1

POWER NOSE

FOAM BOARD
FT TINY TRAINER - v.1.1

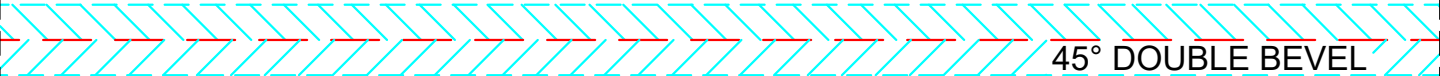




45° SINGLE BEVEL



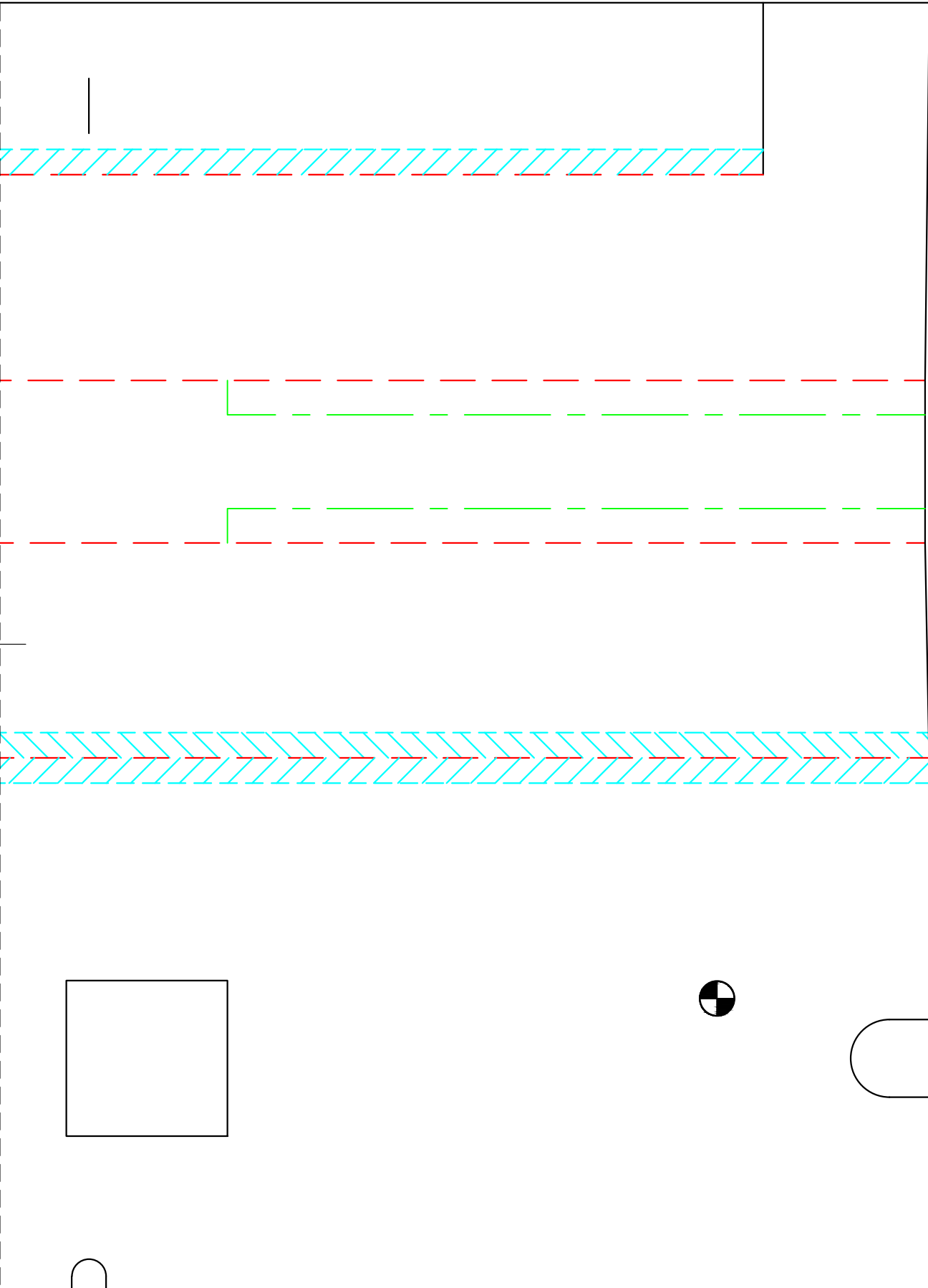
SPORT WING LEFT
FOAM BOARD
FT TINY TRAINER - v.1.1



45° DOUBLE BEVEL



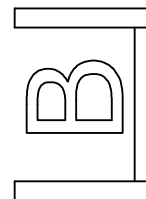
IN
CM



11
2

POWER NOSE DOUBLER

FOAM BOARD
FT TINY TRAINER - v.1.1



11
2

POWER NOSE DOUBLER

FOAM BOARD
FT TINY TRAINER - v.1.1

19
4

SPORT WING SPAR SHORT

FOAM BOARD
FT TINY TRAINER - v.1.1

19
4

SPORT WING SPAR SHORT

FOAM BOARD
FT TINY TRAINER - v.1.1

19
4

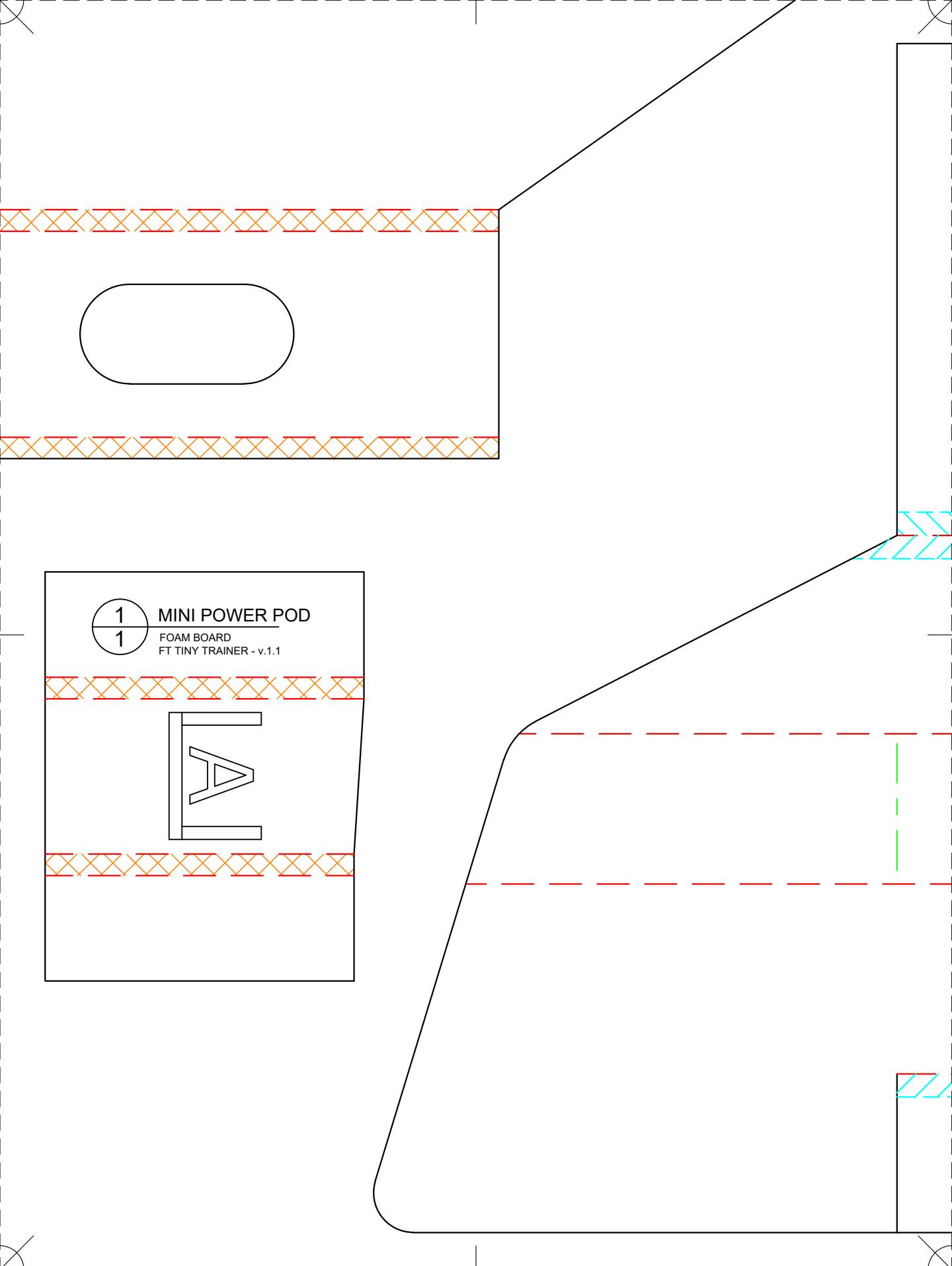
SPORT WING SPAR SHORT

FOAM BOARD
FT TINY TRAINER - v.1.1

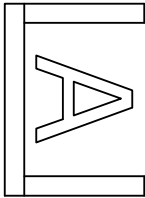
19
4

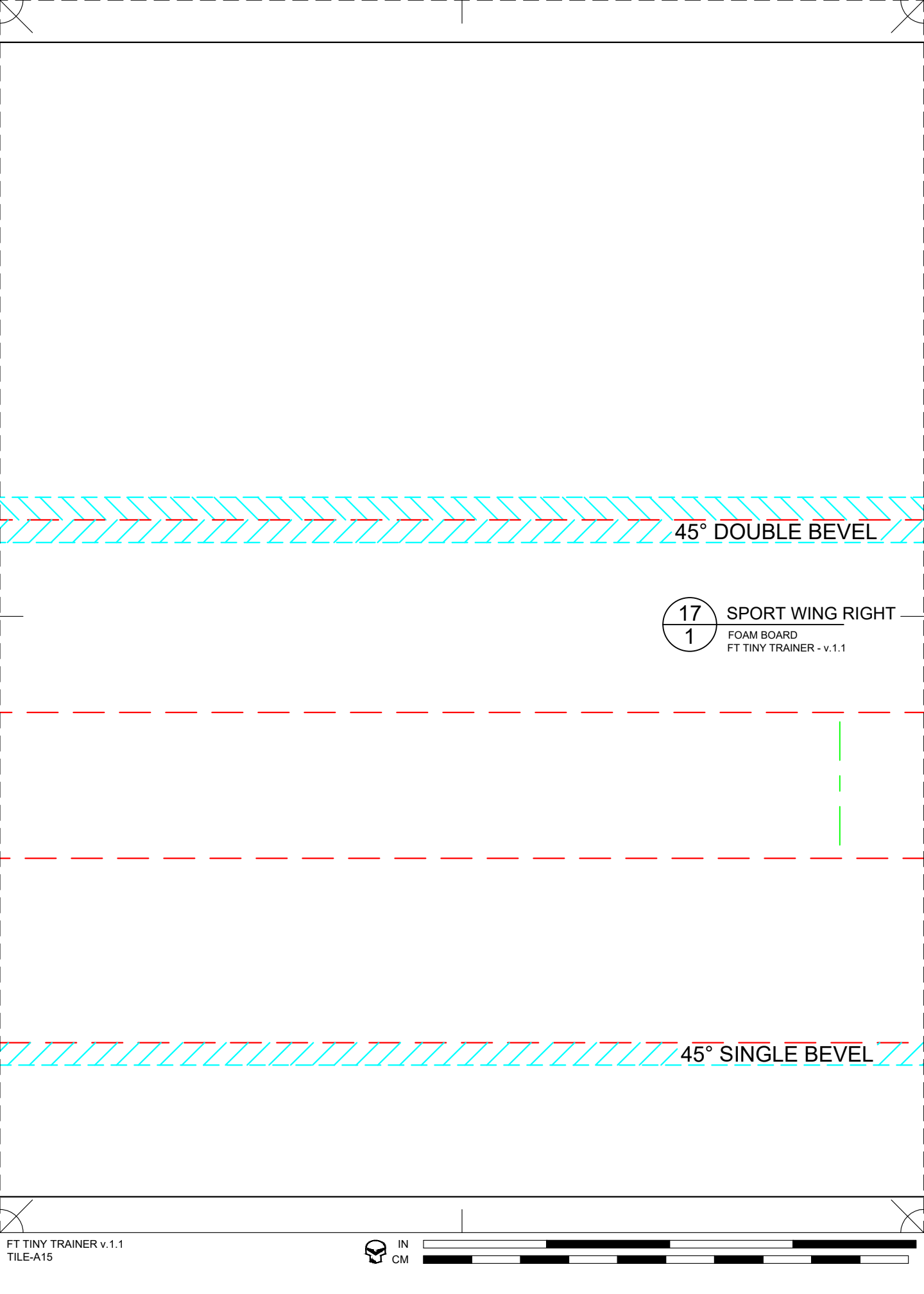
SPORT WING SPAR SHORT

FOAM BOARD
FT TINY TRAINER - v.1.1



MINI POWER POD
FOAM BOARD
FT TINY TRAINER - v.1.1





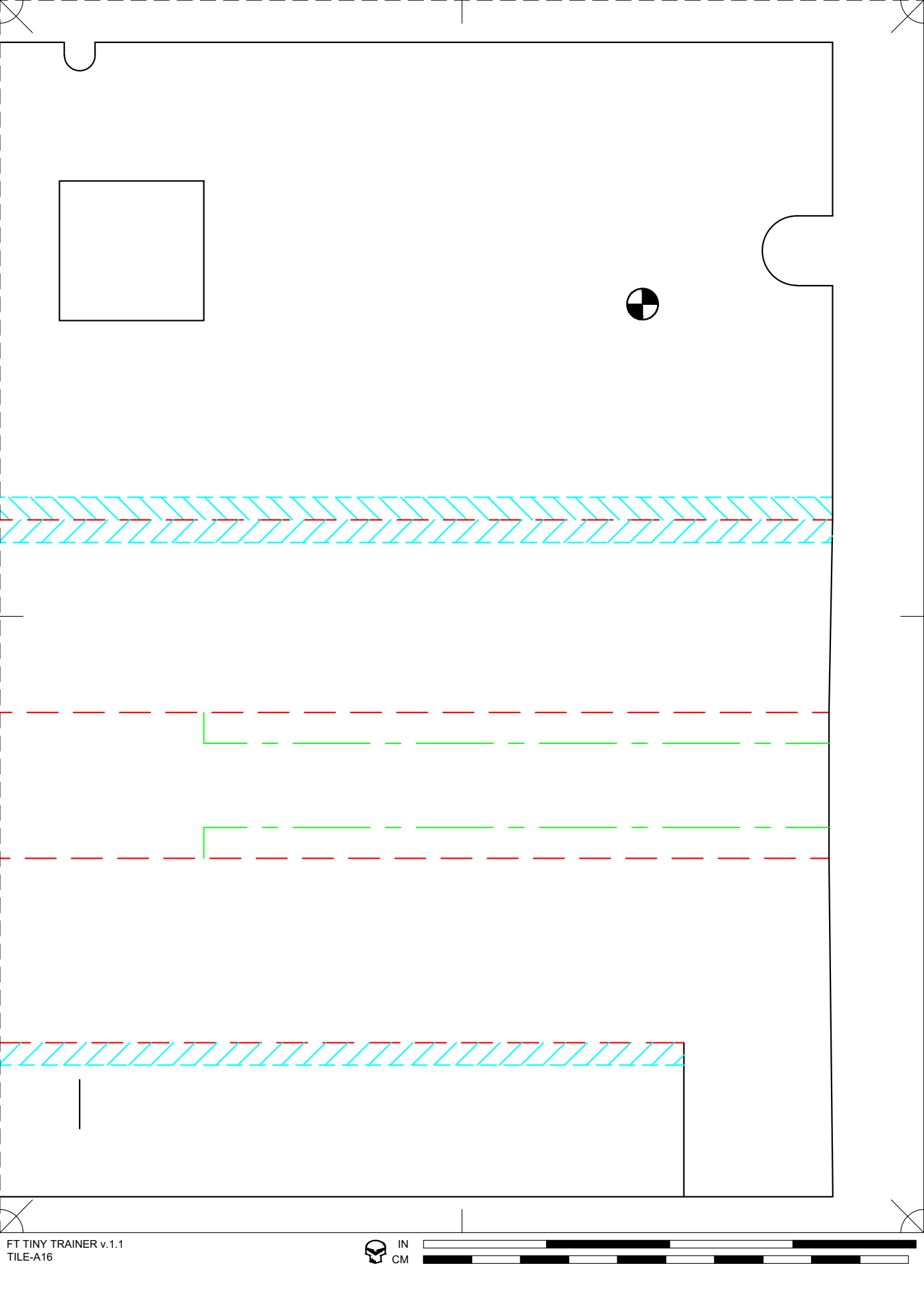
45° DOUBLE BEVEL

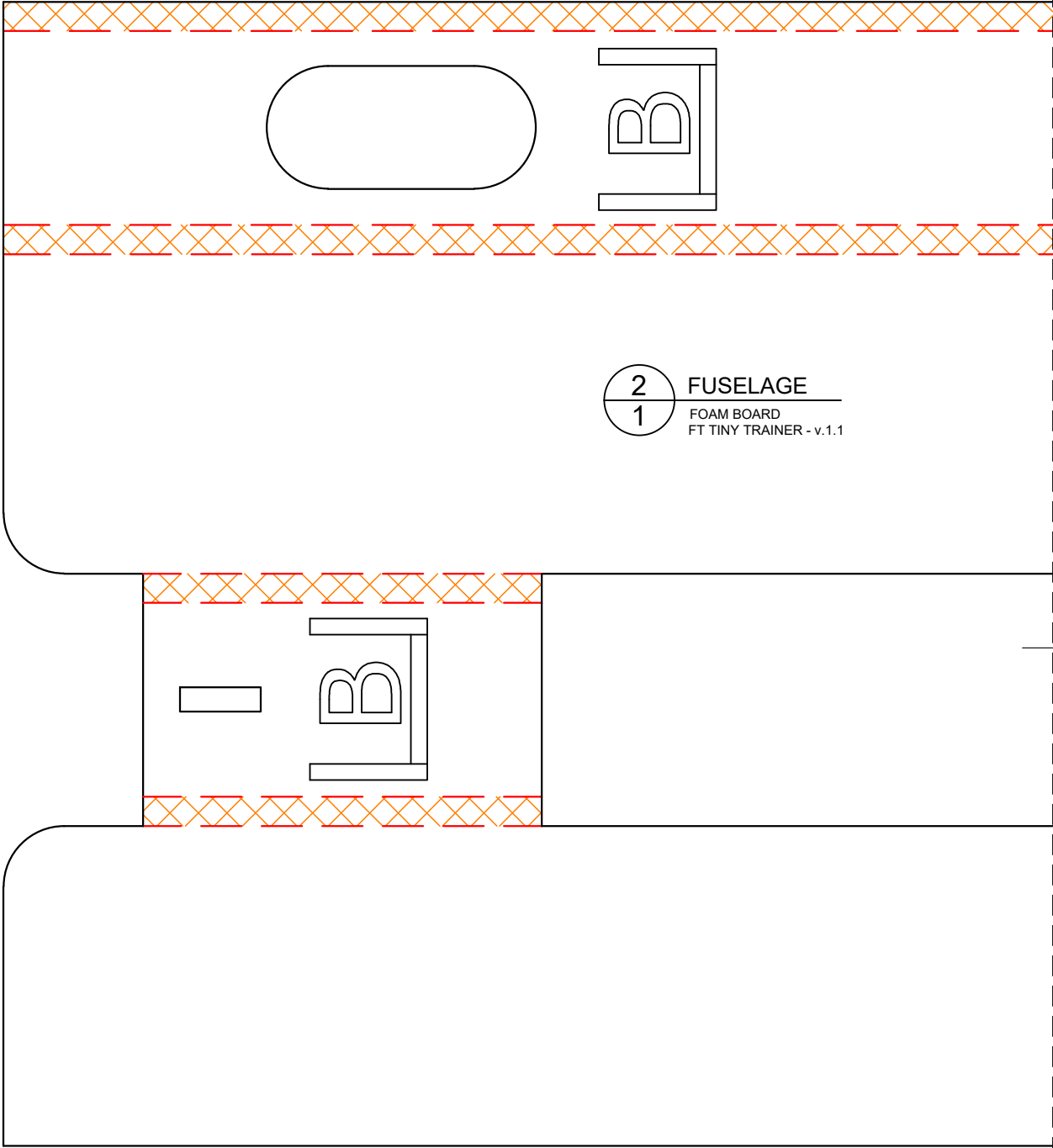


SPORT WING RIGHT

FOAM BOARD
FT TINY TRAINER - v.1.1

45° SINGLE BEVEL

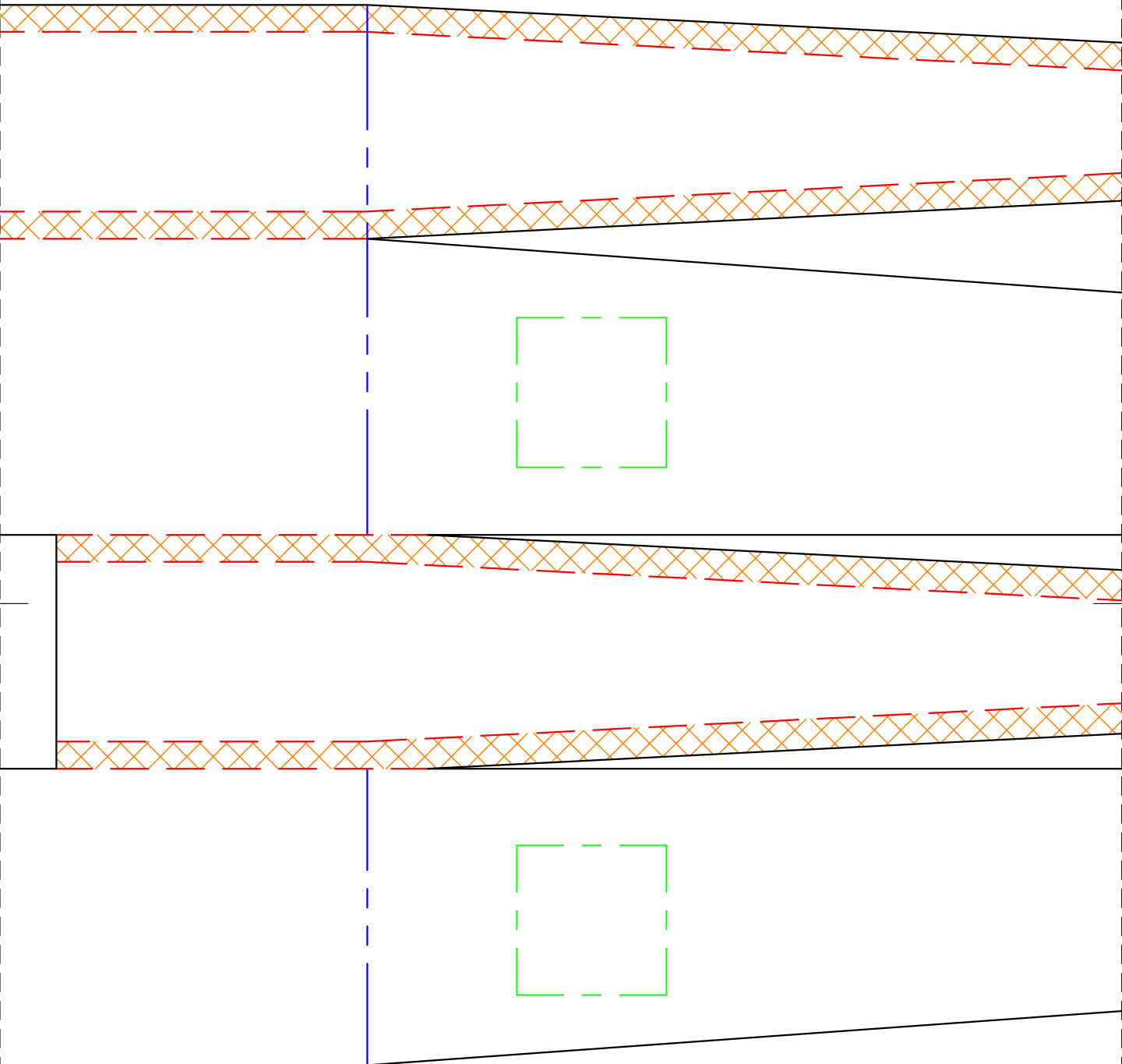


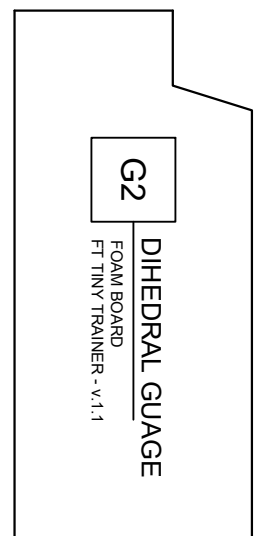
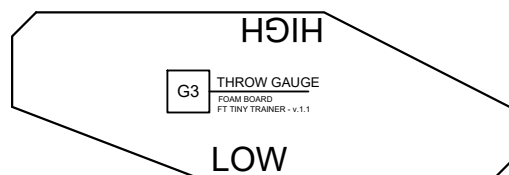
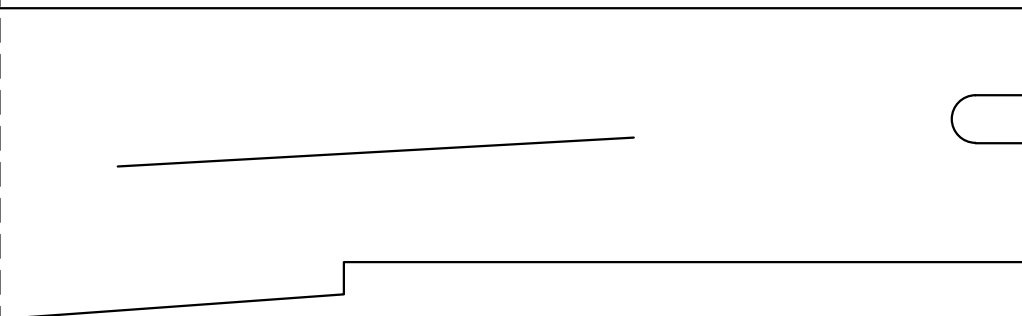
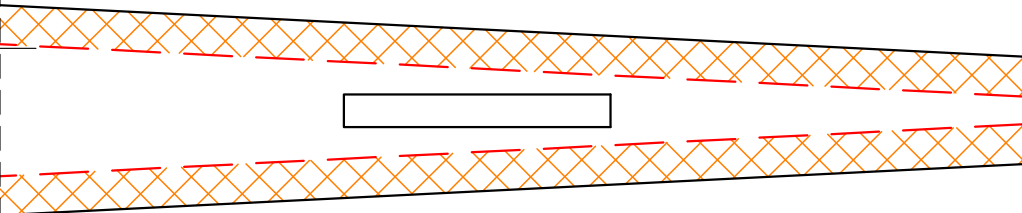
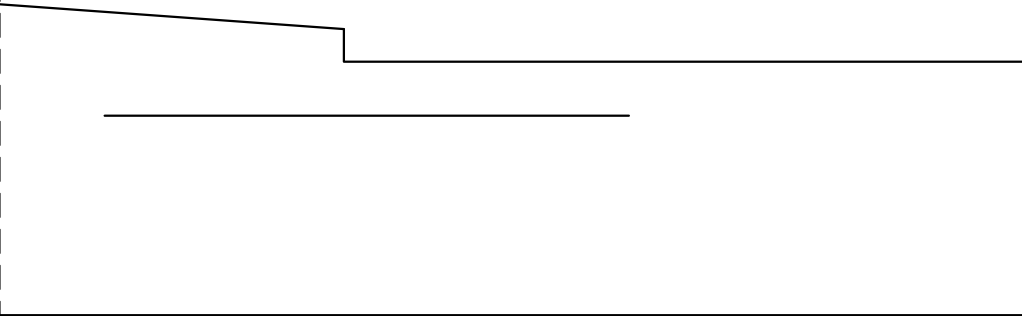
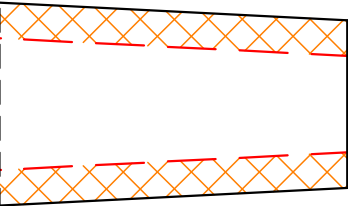
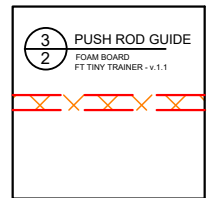


FUSELAGE
FOAM BOARD
FT TINY TRAINER - v.1.1



IN
CM







G1

SQUARE

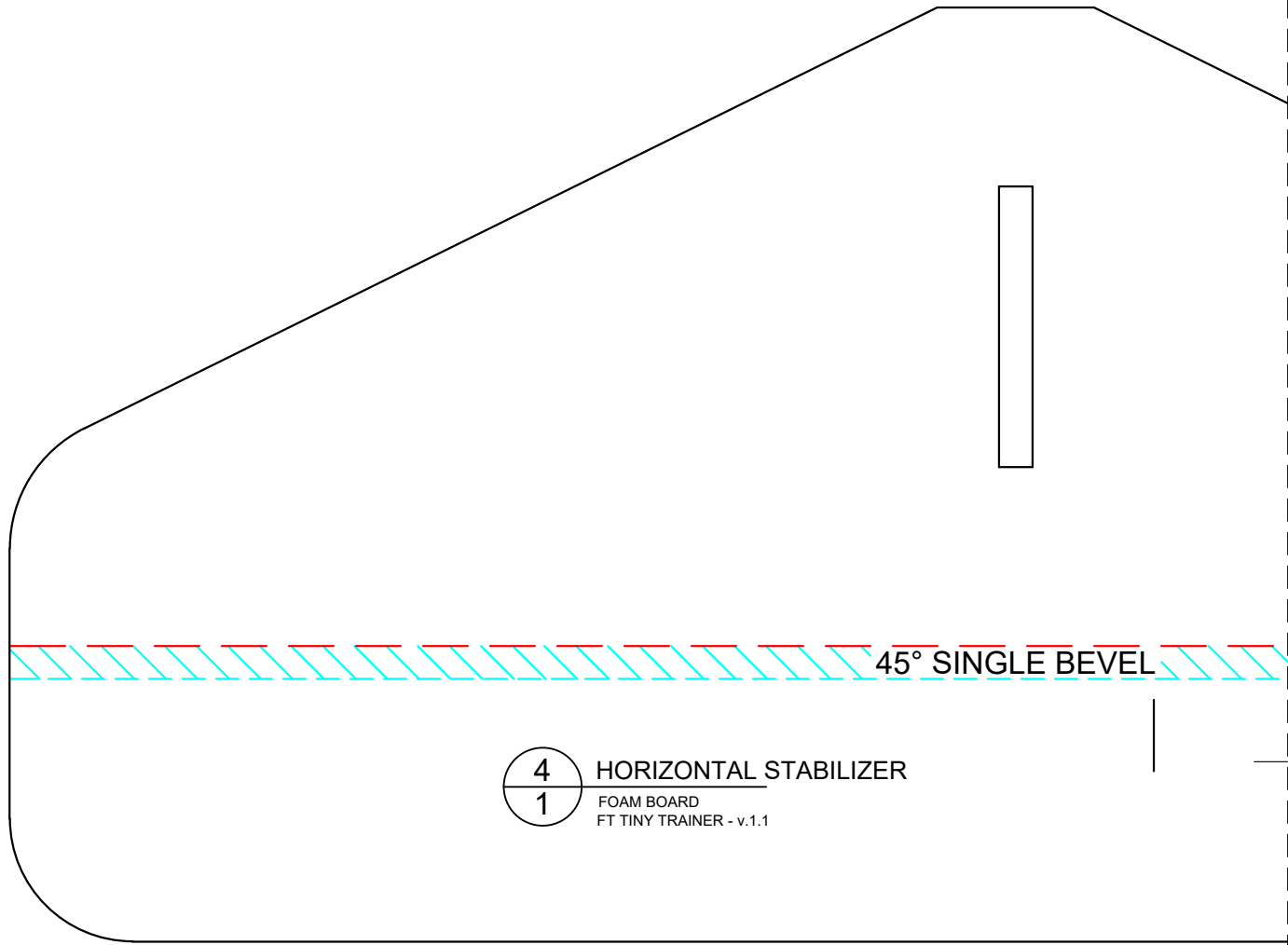
FOAM BOARD
FT TINY TRAINER - v.1.1

5
1

VERTICAL STABILIZER

FOAM BOARD
FT TINY TRAINER - v.1.1

45° SINGLE BEVEL

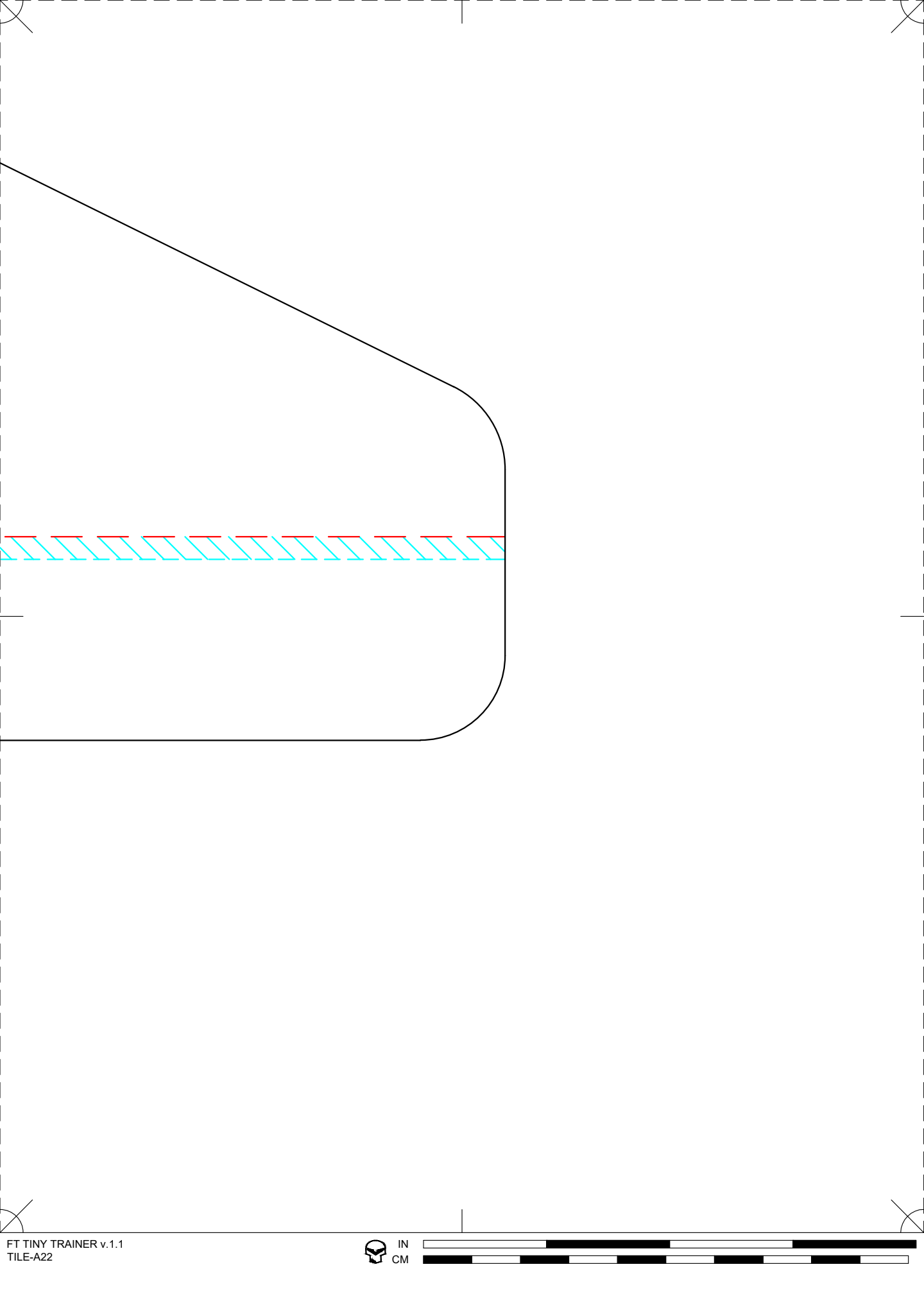


45° SINGLE BEVEL



HORIZONTAL STABILIZER

FOAM BOARD
FT TINY TRAINER - v.1.1

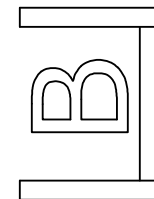
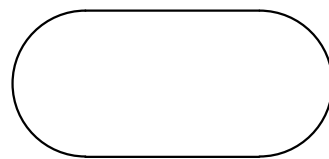
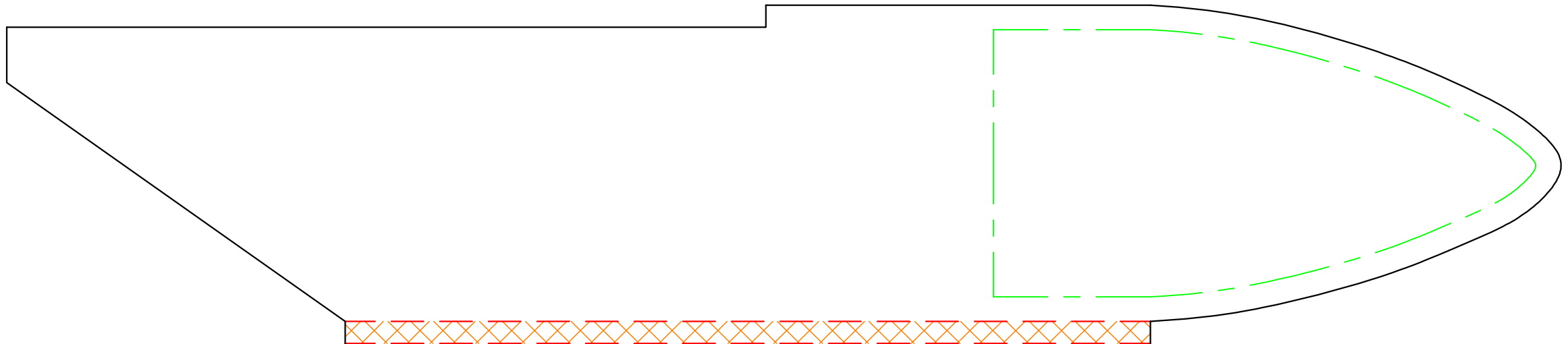
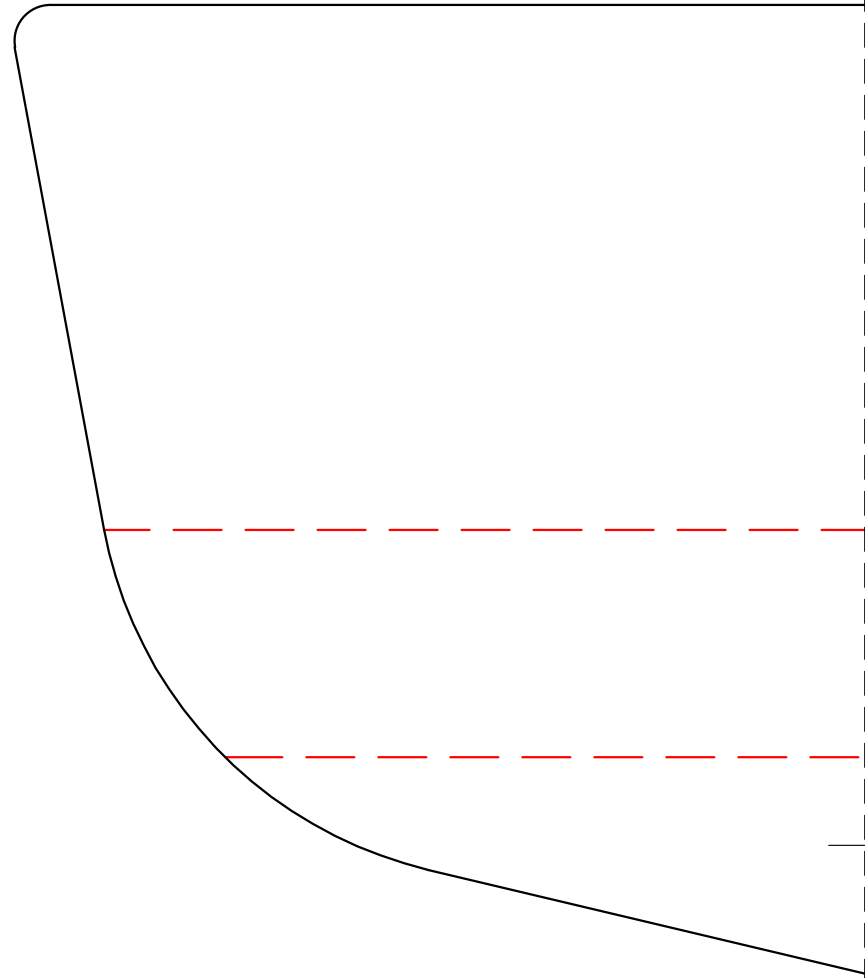
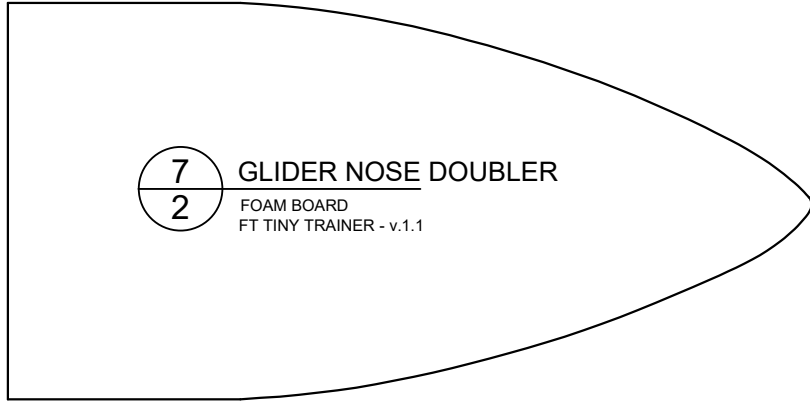




7
2

GLIDER NOSE DOUBLER

FOAM BOARD
FT TINY TRAINER - v.1.1





TRAINING WING SPAR SHORT

FOAM BOARD
FT TINY TRAINER - v.1.1

15

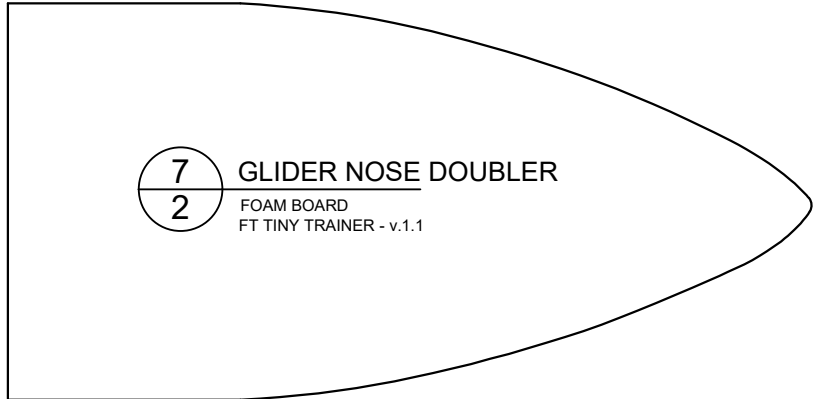
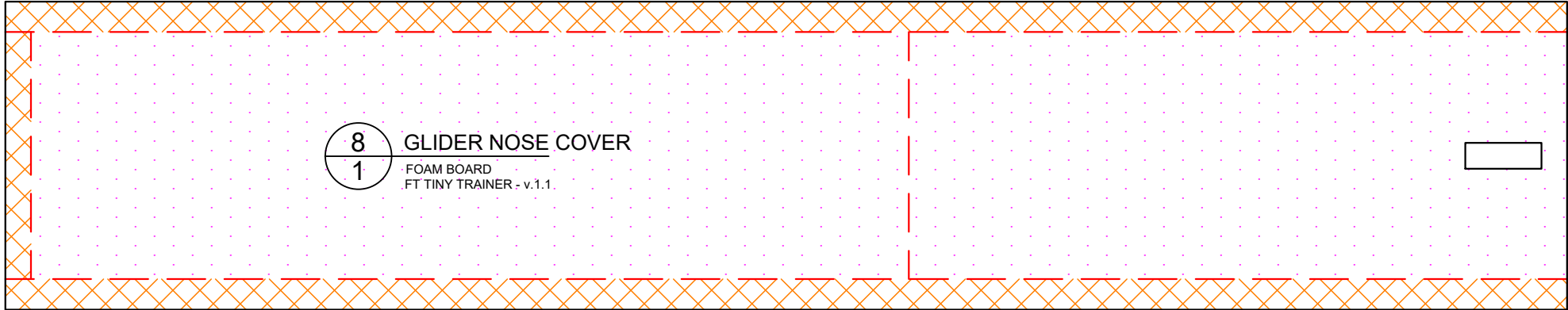
$$\left(\frac{2}{2} \right)$$
$$\frac{12}{1}$$

TRAINING WING LEFT

FOAM BOARD
FT TINY TRAINER - v.1.1

45° DOUBLE BEVEL





$$\frac{15}{2}$$

FOAM BOARD
FT TINY TRAINER - v.1.1

45° SINGLE BEVEL

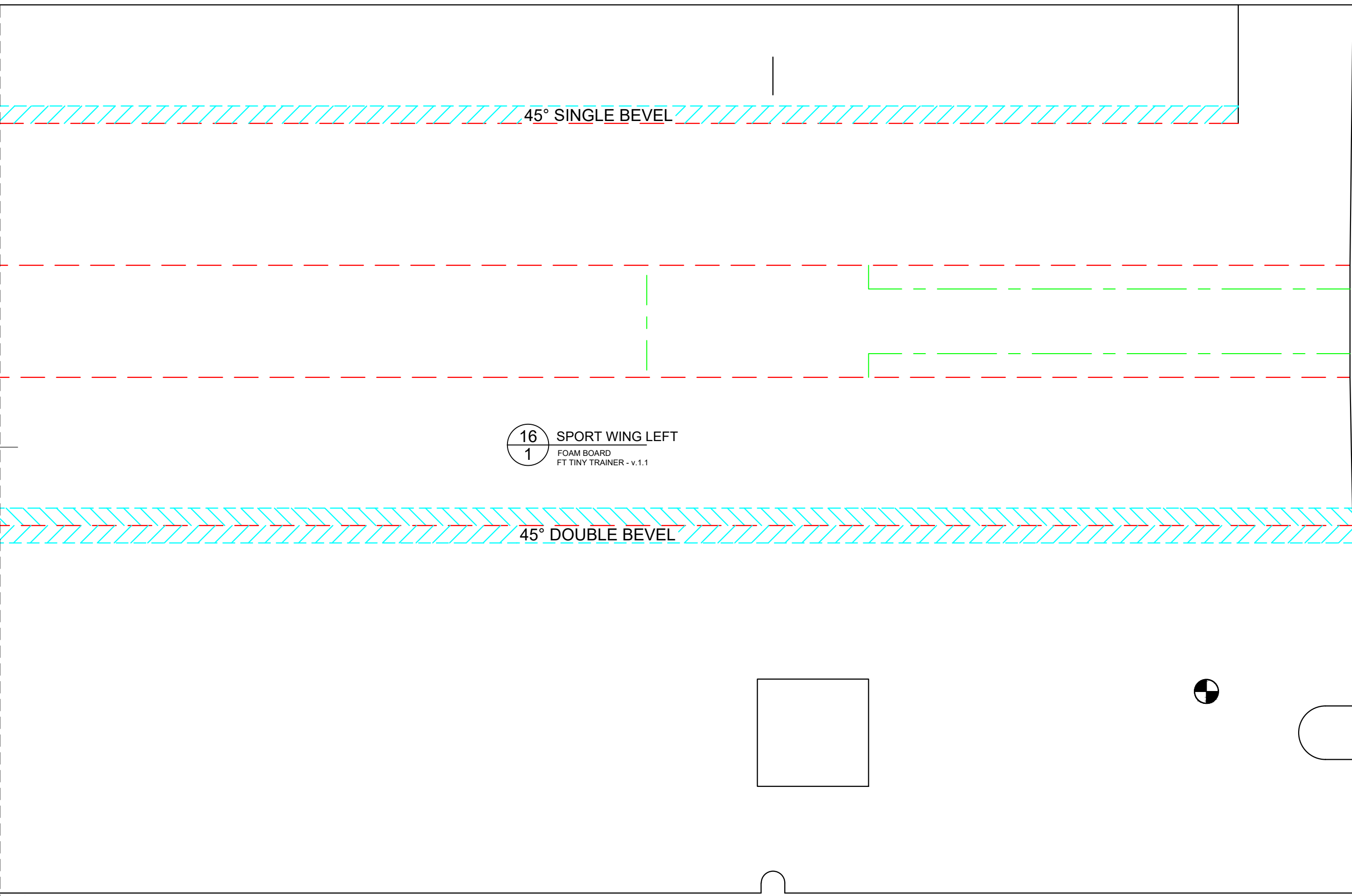
$$\frac{13}{1}$$

FOAM BOARD
FT TINY TRAINER - v.1.1

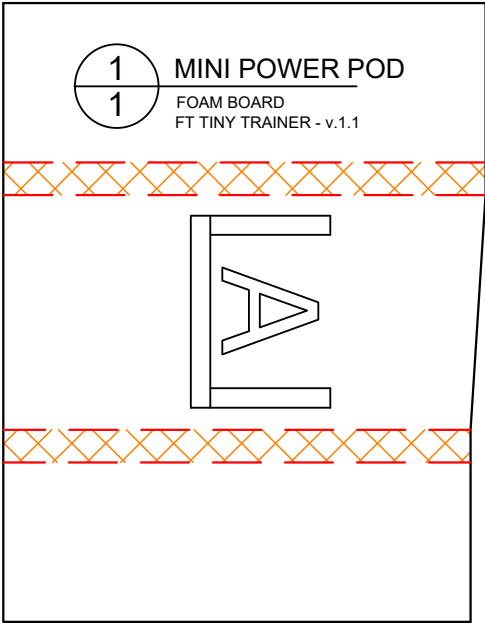
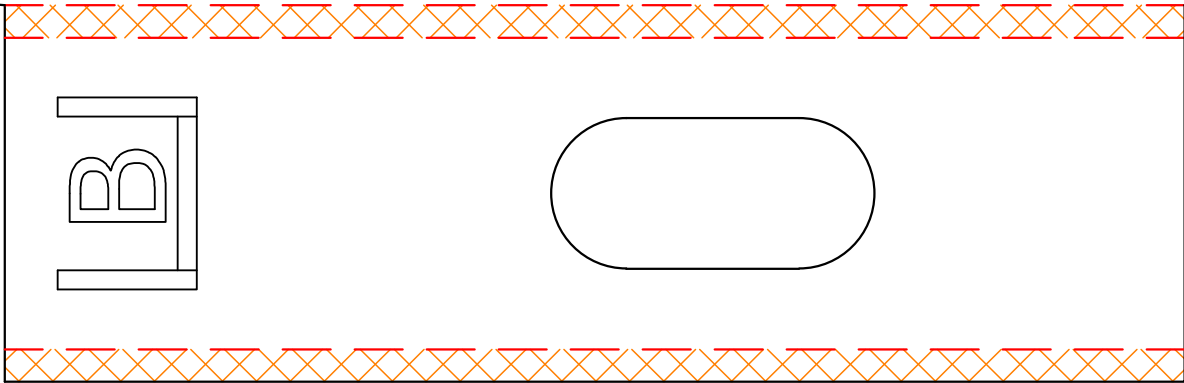
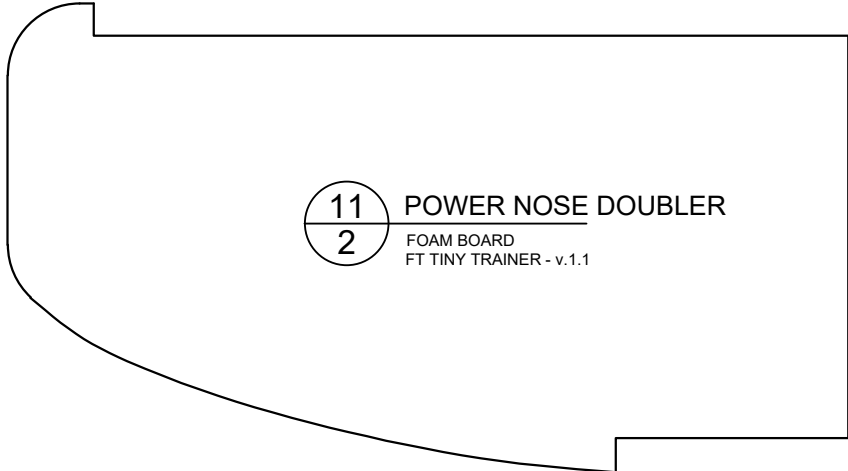
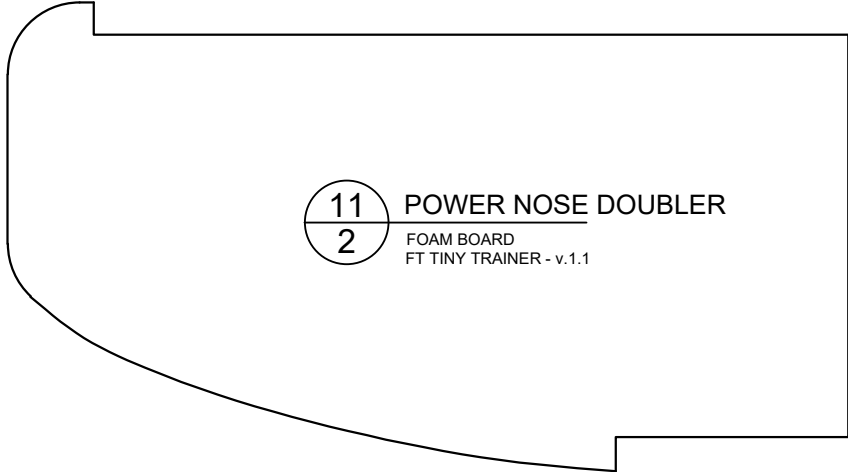
18 SPORT WING SPAR LONG

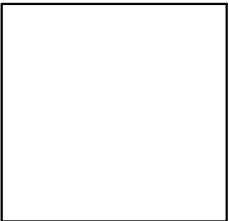
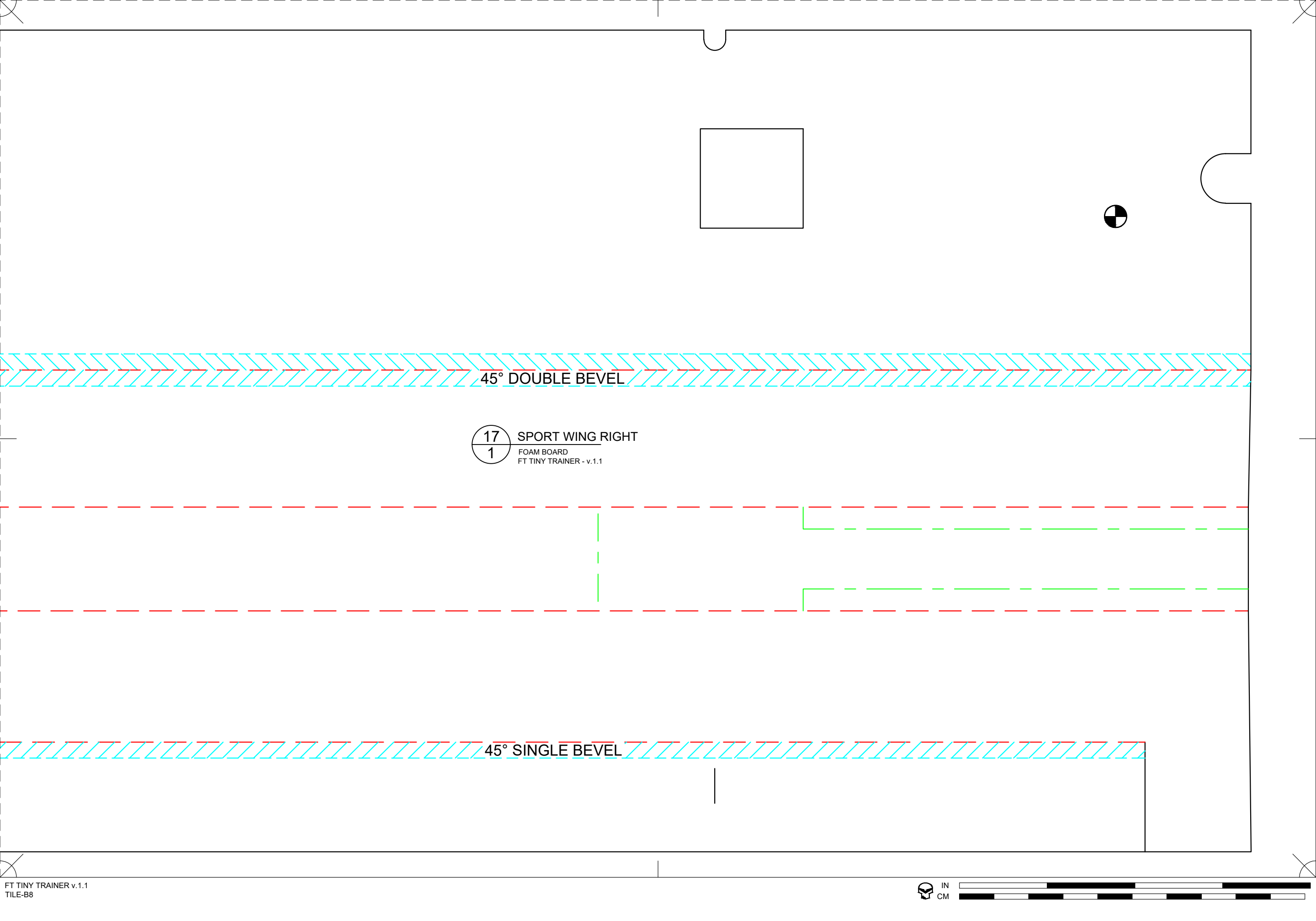
2 FOAM BOARD FT TINY TRAINER - v.1.1

10 POWER NOSE
1 FOAM BOARD
FT TINY TRAINER - v.1.1



16
1 SPORT WING LEFT
FOAM BOARD
FT TINY TRAINER - v.1.1

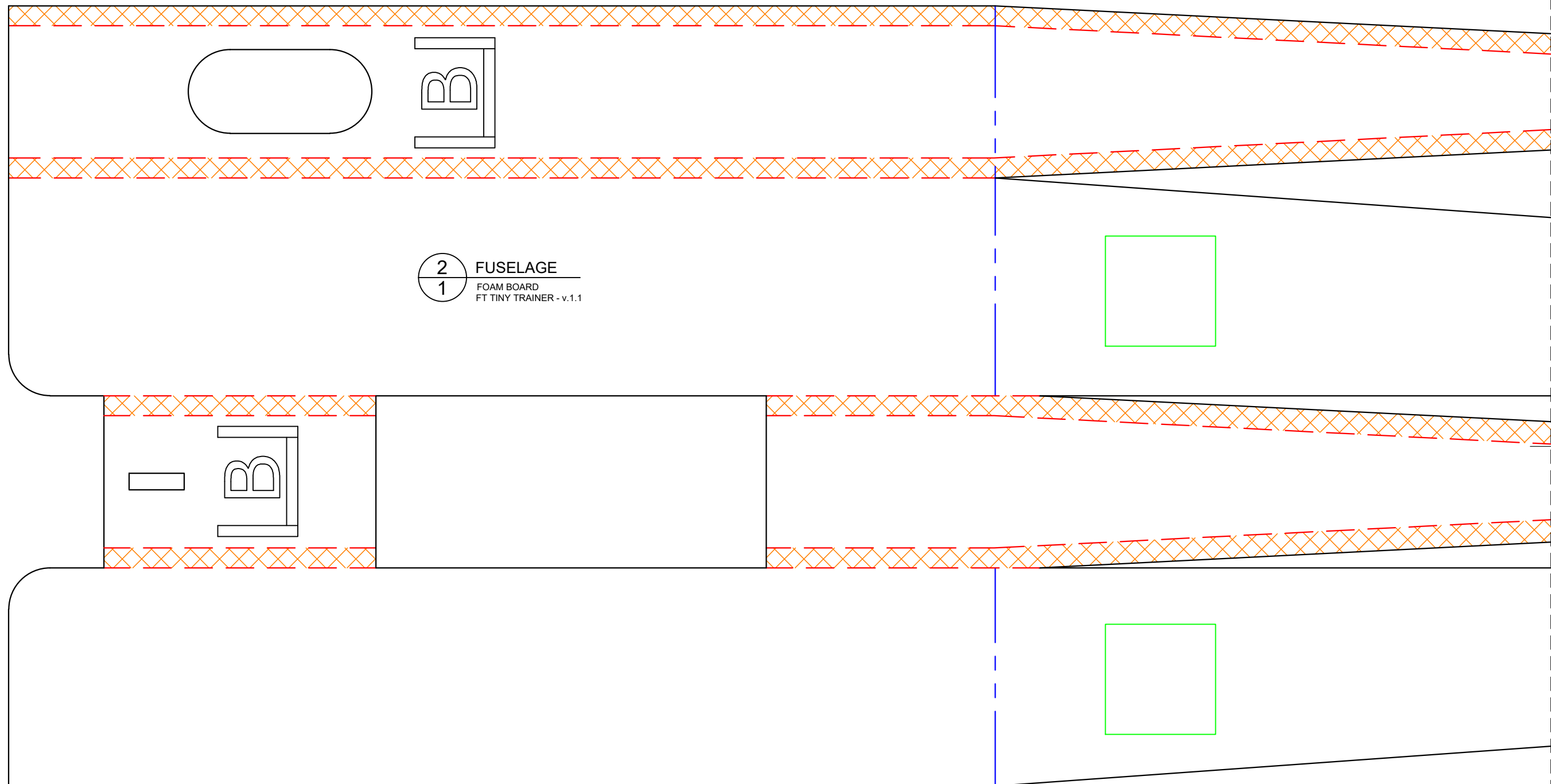


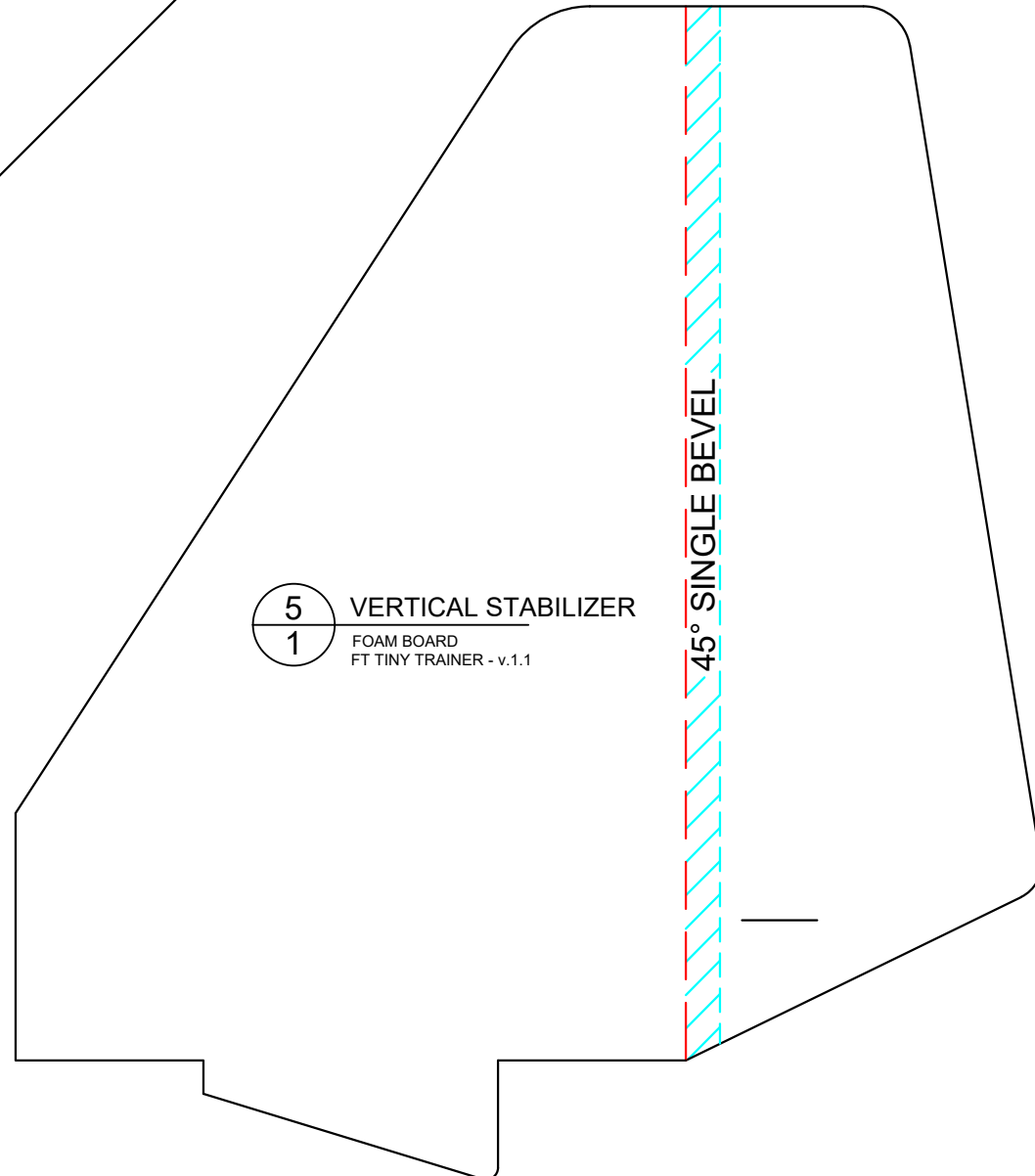
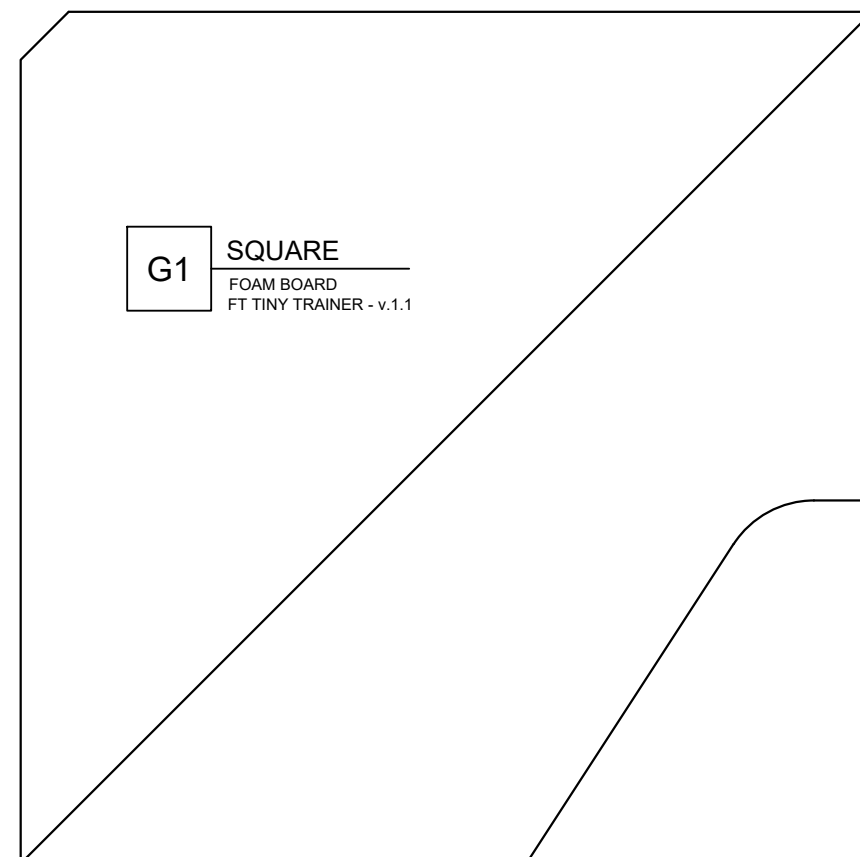
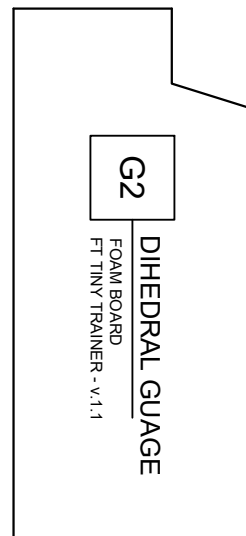
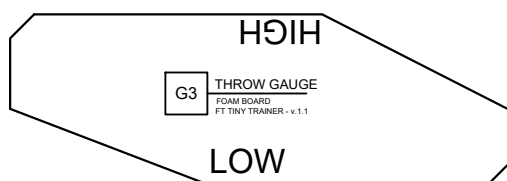
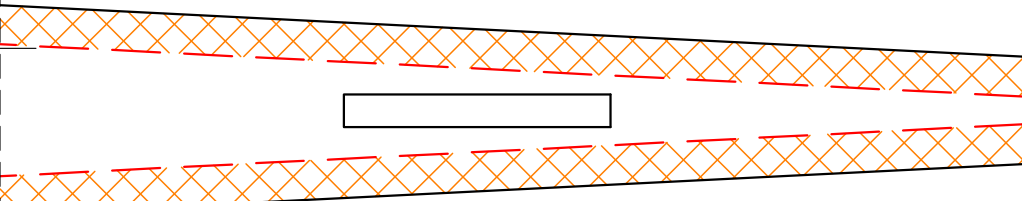
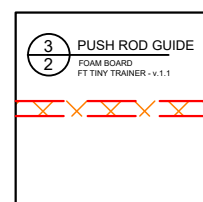


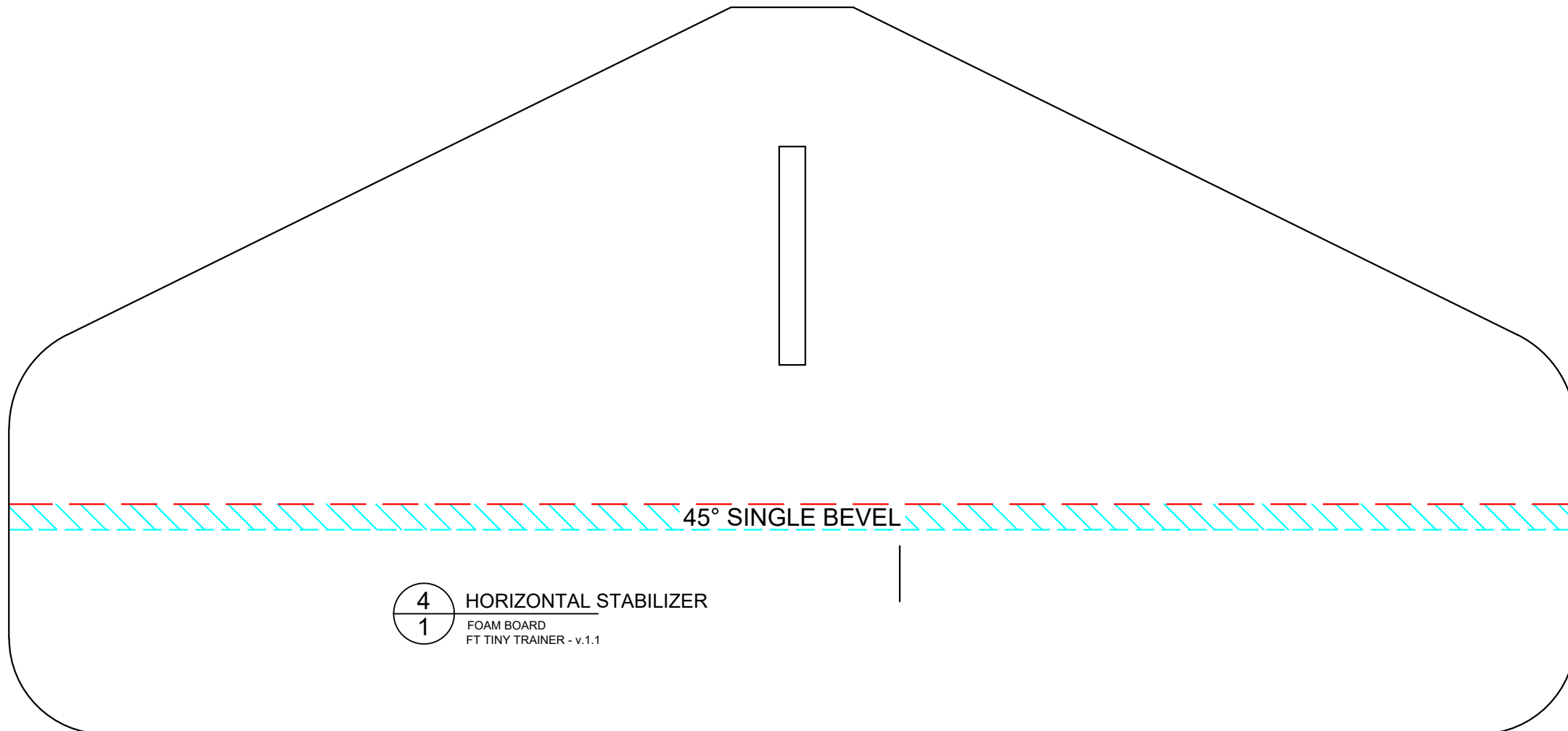
45° DOUBLE BEVEL

17
1 SPORT WING RIGHT
FOAM BOARD
FT TINY TRAINER - v.1.1

45° SINGLE BEVEL







45° SINGLE BEVEL

4
1
HORIZONTAL STABILIZER
FOAM BOARD
FT TINY TRAINER - v.1.1