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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



BUILD SKILL LEVEL:



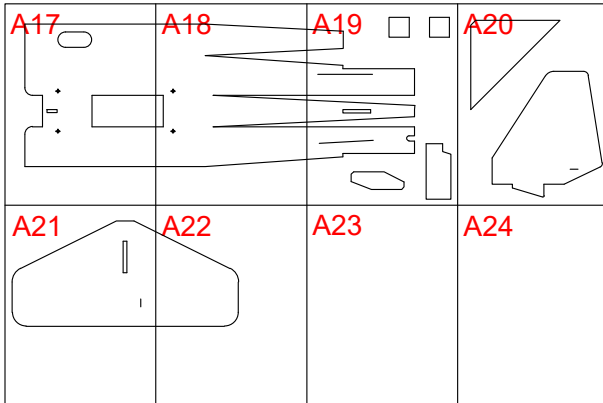
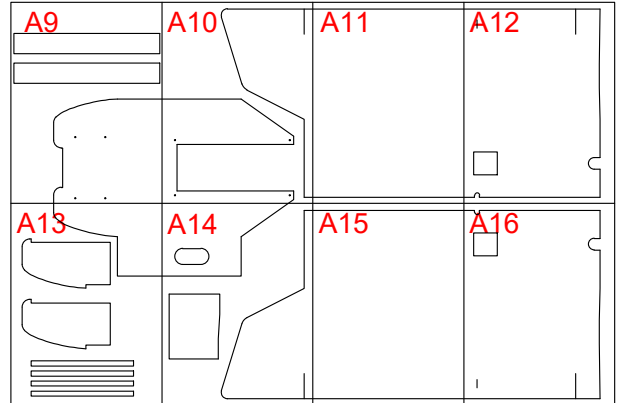
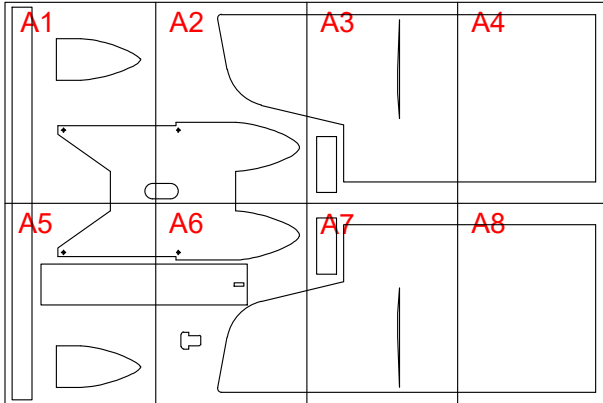
PILOT SKILL LEVEL:



SPONZ



FT Tiny Trainer: Tile A Key

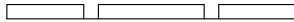
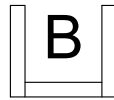
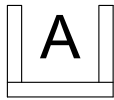




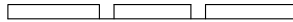
Drawing Key



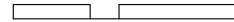
FOLD TYPES



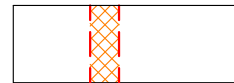
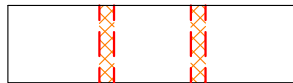
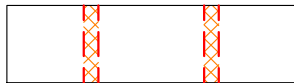
A - FOLD (ABOVE)



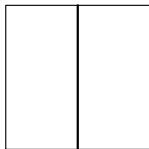
B - FOLD (BESIDE)



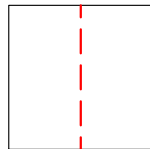
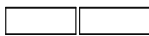
C - FOLD (COVER)



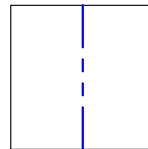
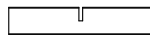
LINE TYPE/COLOR



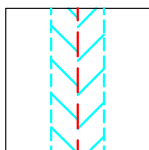
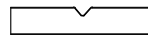
CUT



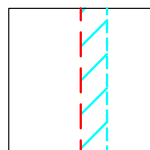
50% SCORE



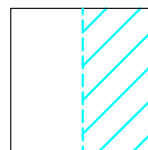
CREASE



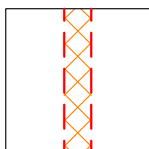
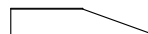
45° DOUBLE BEVEL



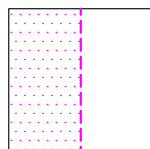
45° SINGLE BEVEL



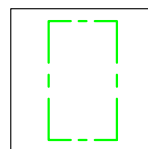
EDGE BEVEL



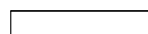
CAVITY



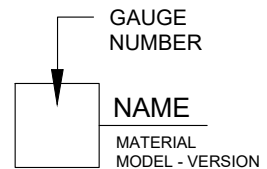
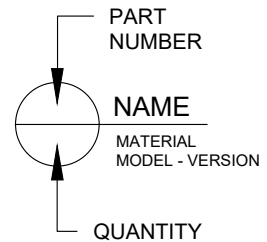
REMOVE PAPER



REFERENCE/
OPTIONAL



SYMBOLS



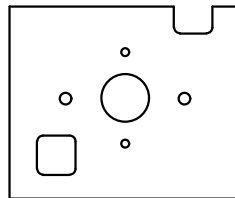
CENTER OF GRAVITY (CG)



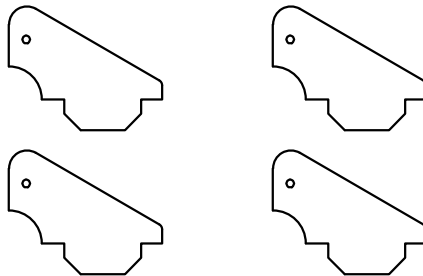
FT Tiny Trainer: Wood Parts



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



FT MINI FIREWALL



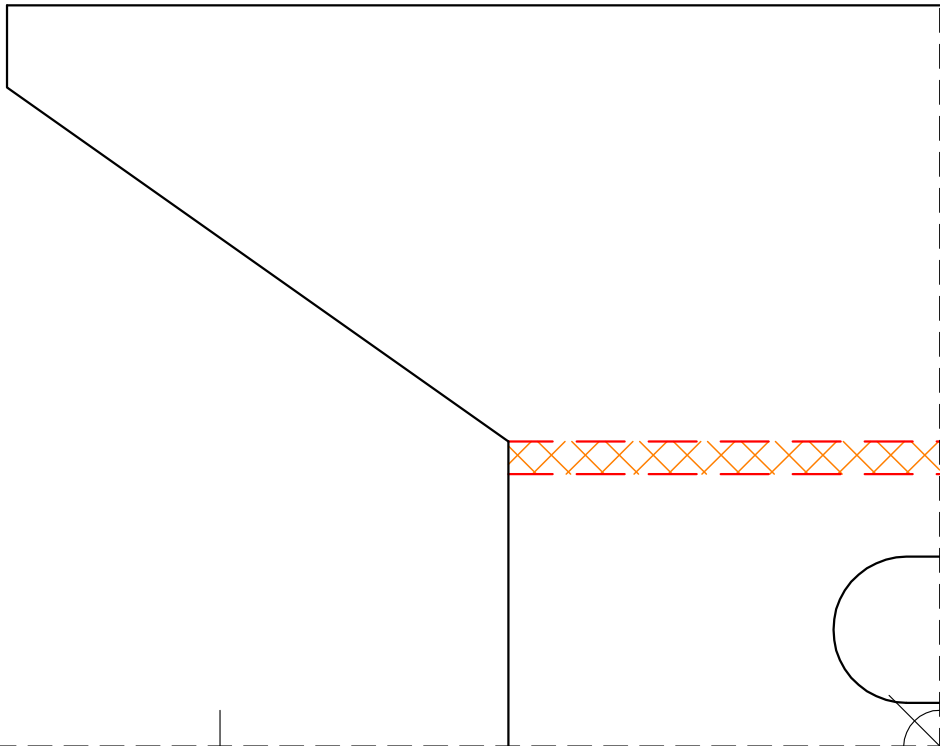
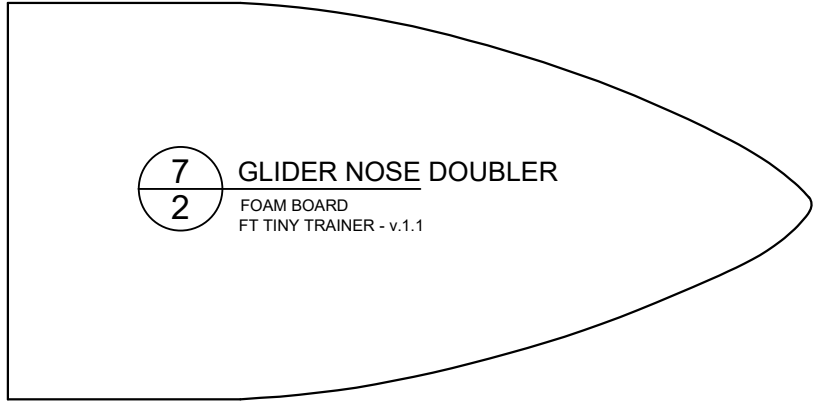
FT MINI CONTROL HORNS



7
2

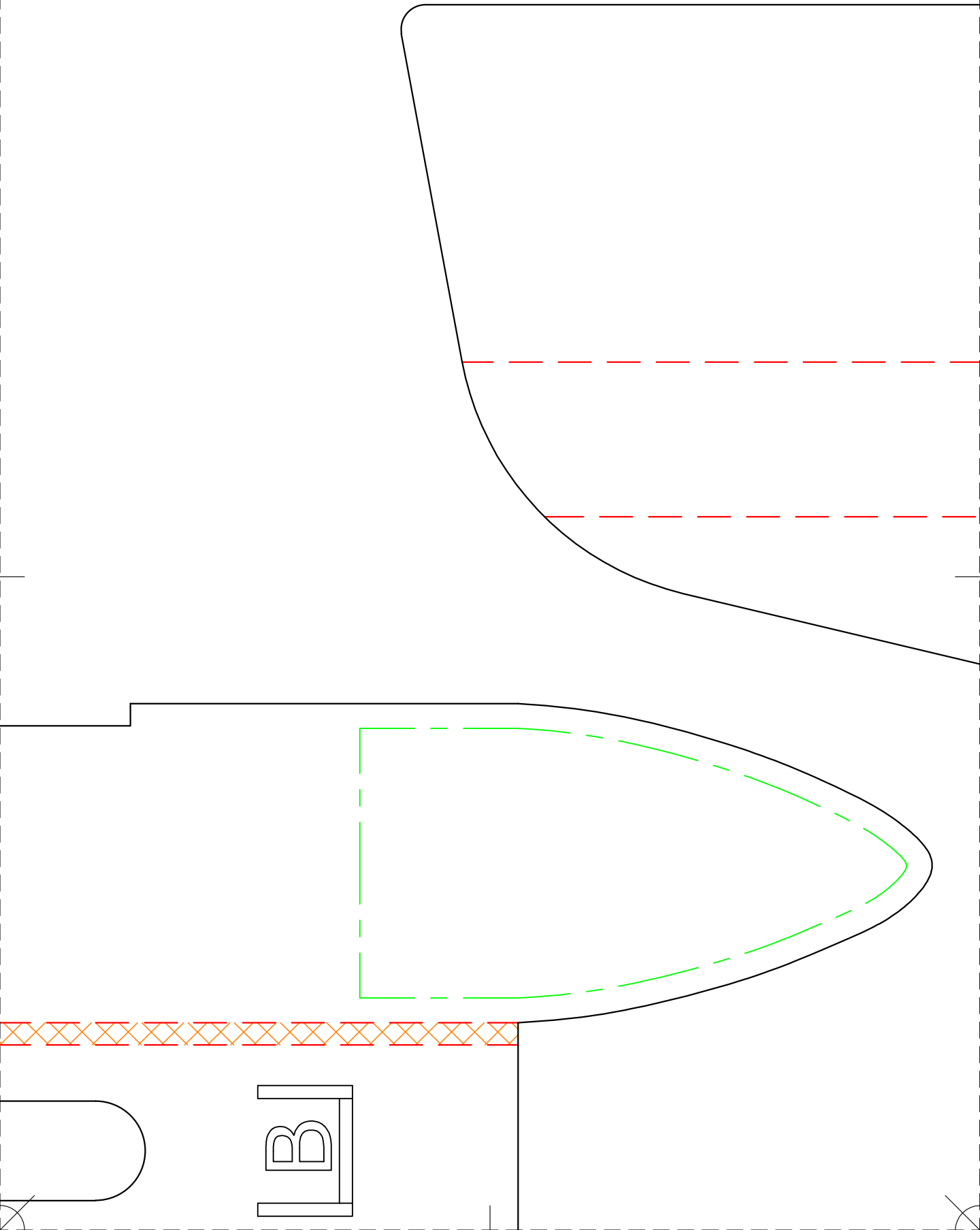
GLIDER NOSE DOUBLER

FOAM BOARD
FT TINY TRAINER - v.1.1



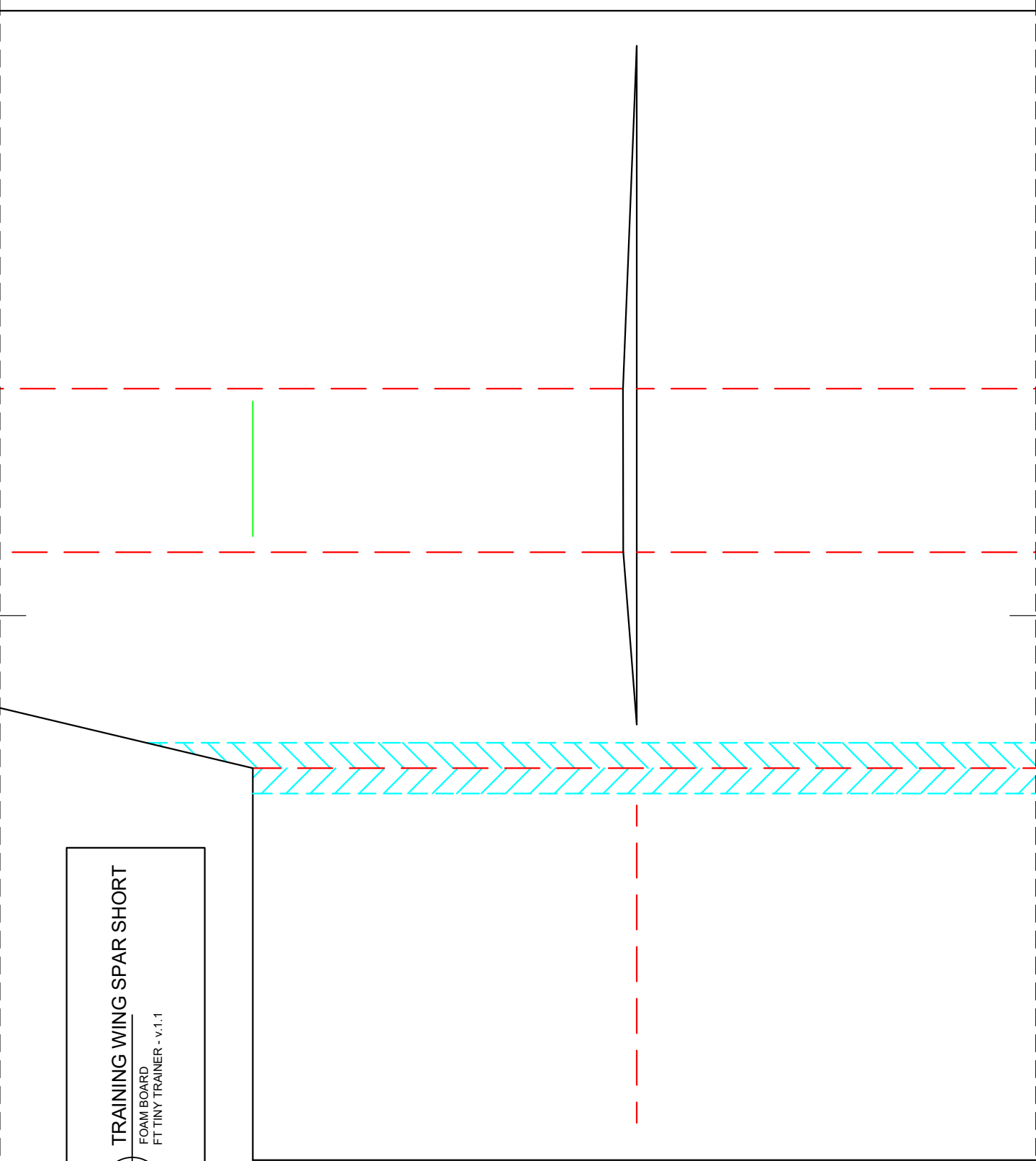


IN
CM





IN
CM



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



IN
CM



12
1

TRAINING WING LEFT

FOAM BOARD
FT TINY TRAINER - v.1.1

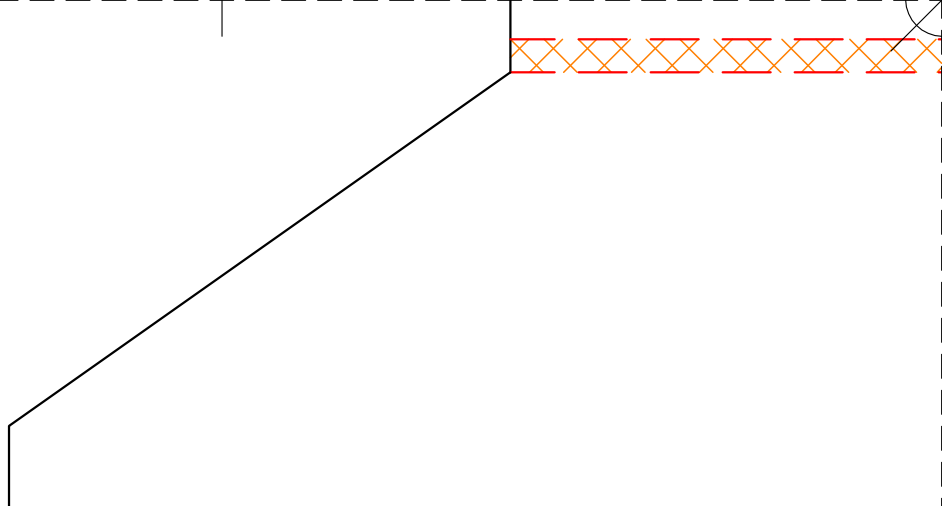
45° DOUBLE BEVEL



14 TRAINING WING SPAR LONG

FOAM BOARD
FT TINY TRAINER - v.1.1

14
1

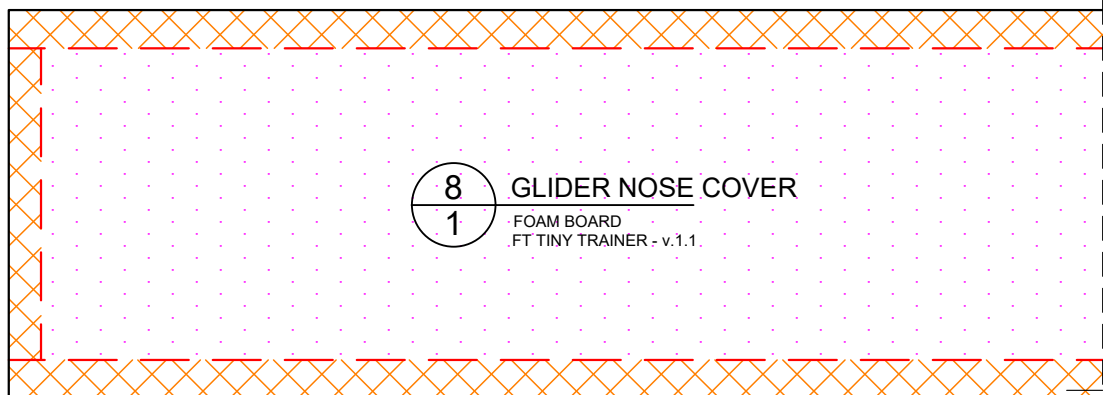


8

GLIDER NOSE COVER

1

FOAM BOARD
FT TINY TRAINER - v.1.1

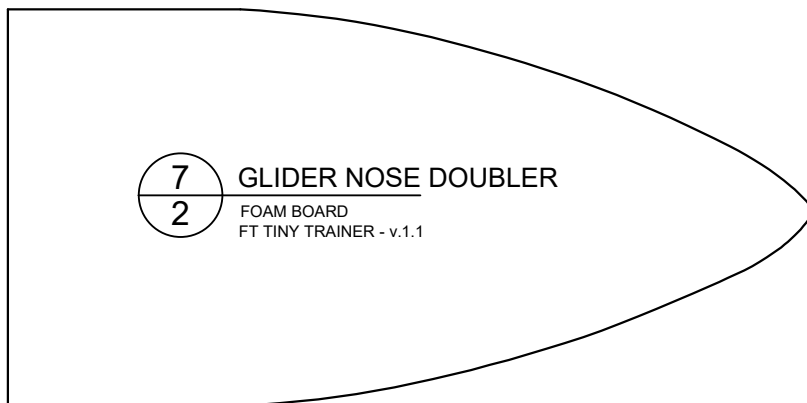


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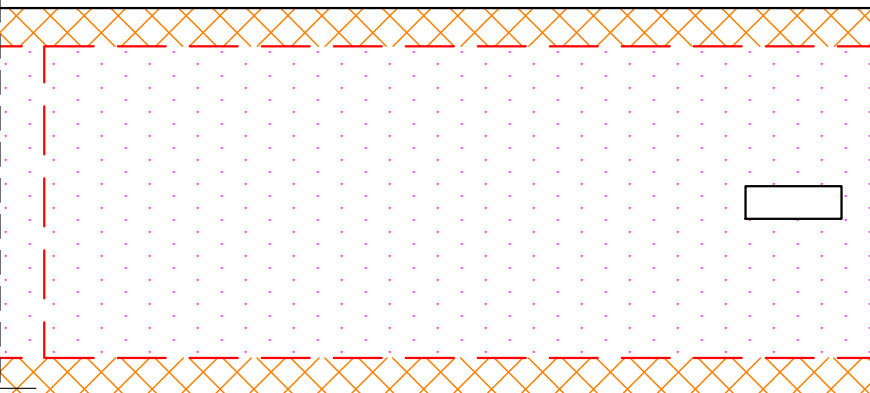
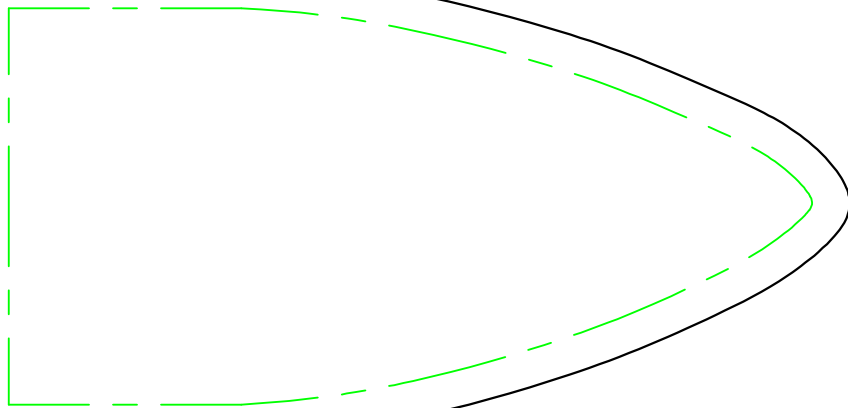
GLIDER NOSE DOUBLER

2

FOAM BOARD
FT TINY TRAINER - v.1.1

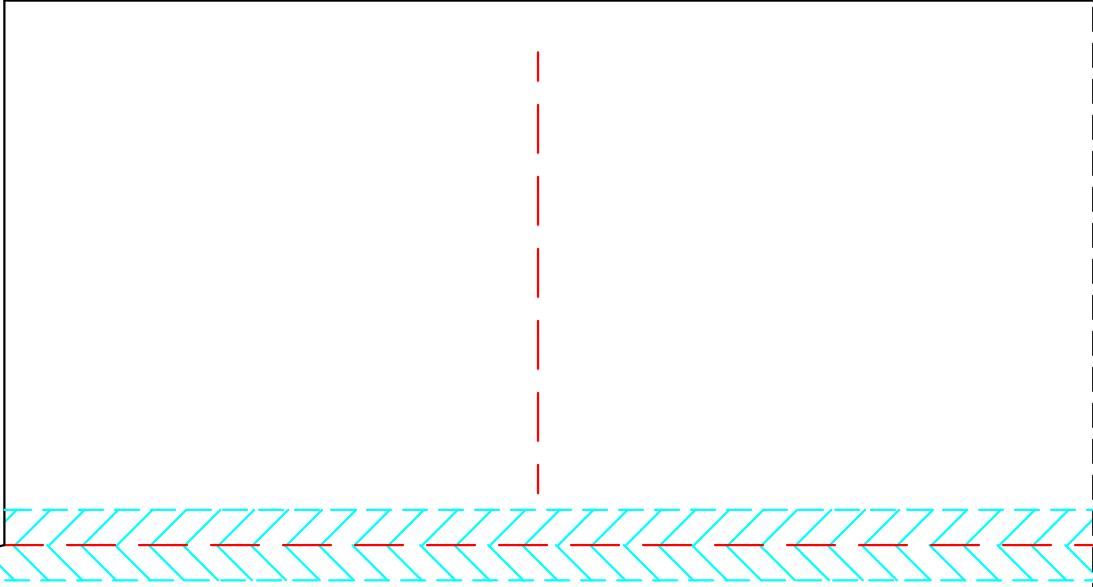


6 GLIDER NOSE
1 FOAM BOARD
FT TINY TRAINER - v.1.1



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

2





45° SINGLE BEVEL



TRAINING WING RIGHT

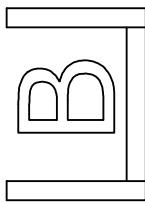
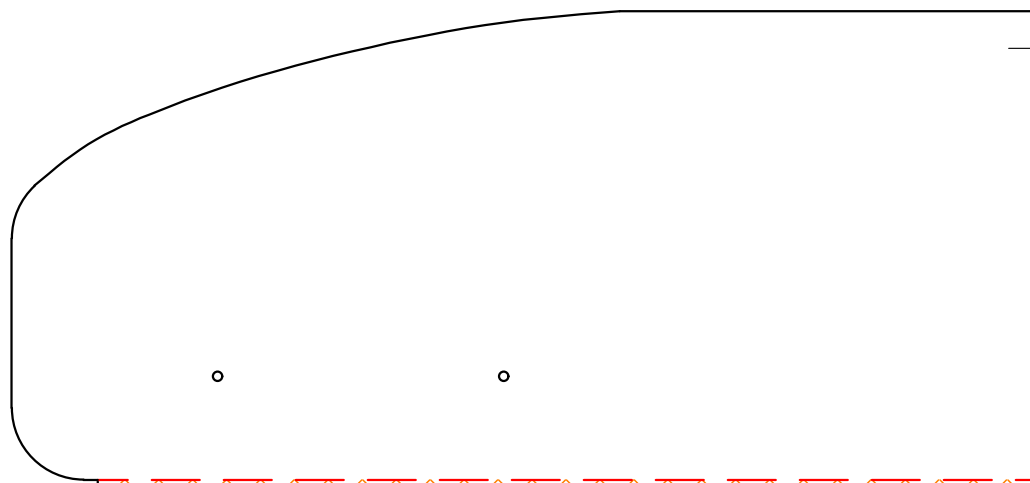
FOAM BOARD
FT TINY TRAINER - v.1.1



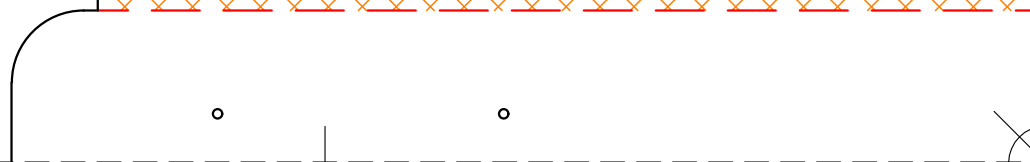


18
2 SPORT WING SPAR LONG
FOAM BOARD
FT TINY TRAINER - v.1.1

18
2 SPORT WING SPAR LONG
FOAM BOARD
FT TINY TRAINER - v.1.1

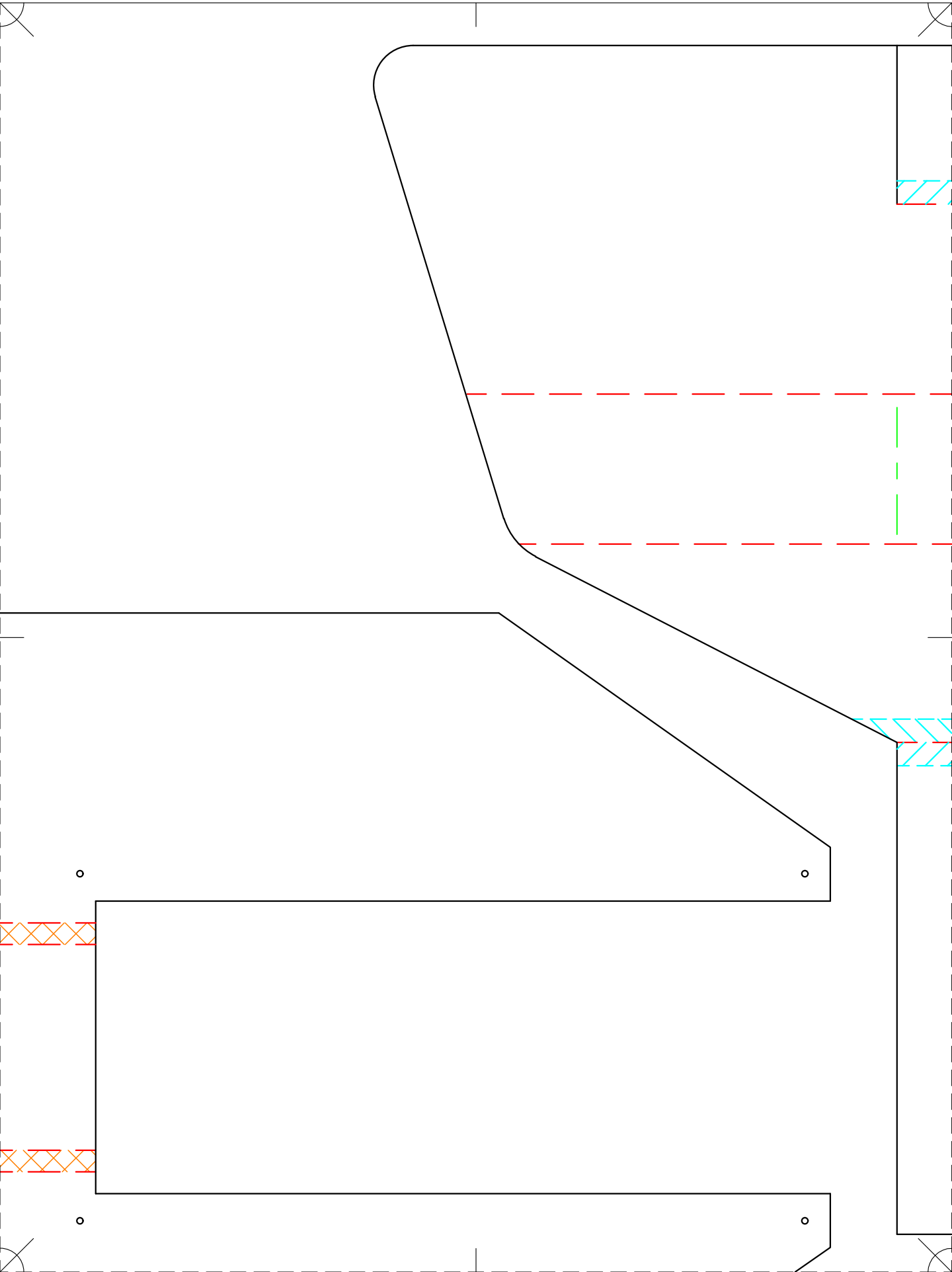


10
1 POWER NOSE
FOAM BOARD
FT TINY TRAINER - v.1.1





IN
CM



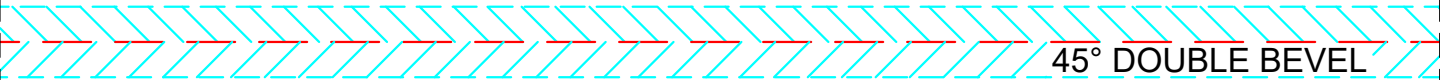


45° SINGLE BEVEL



SPORT WING LEFT

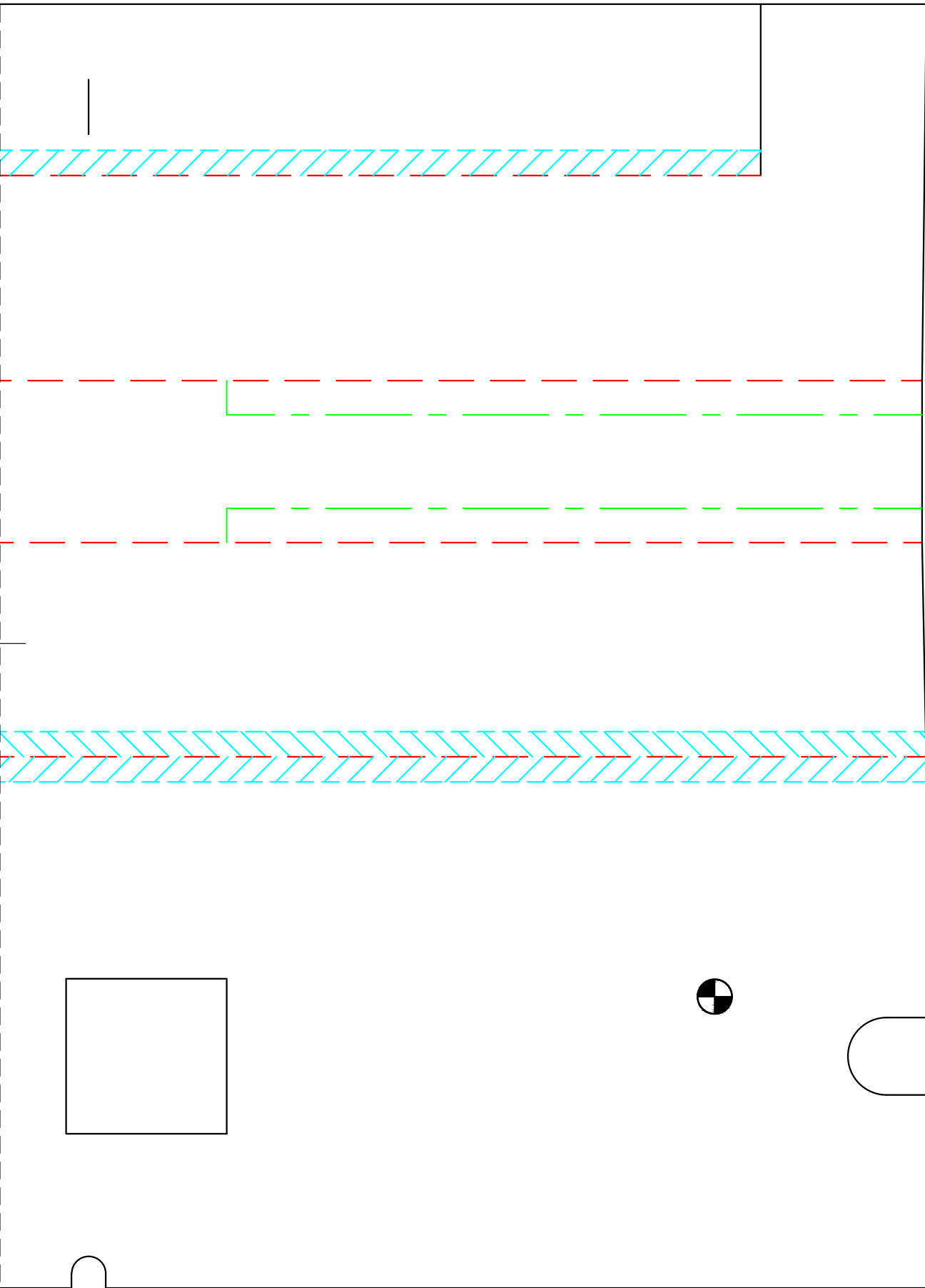
FOAM BOARD
FT TINY TRAINER - v.1.1



45° DOUBLE BEVEL



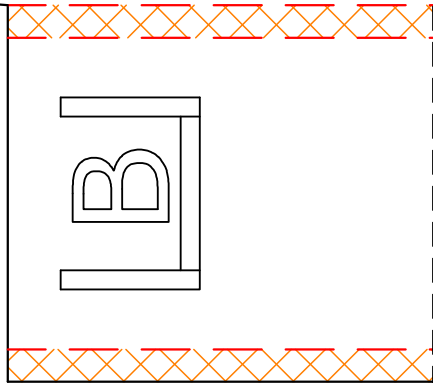
IN
CM



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

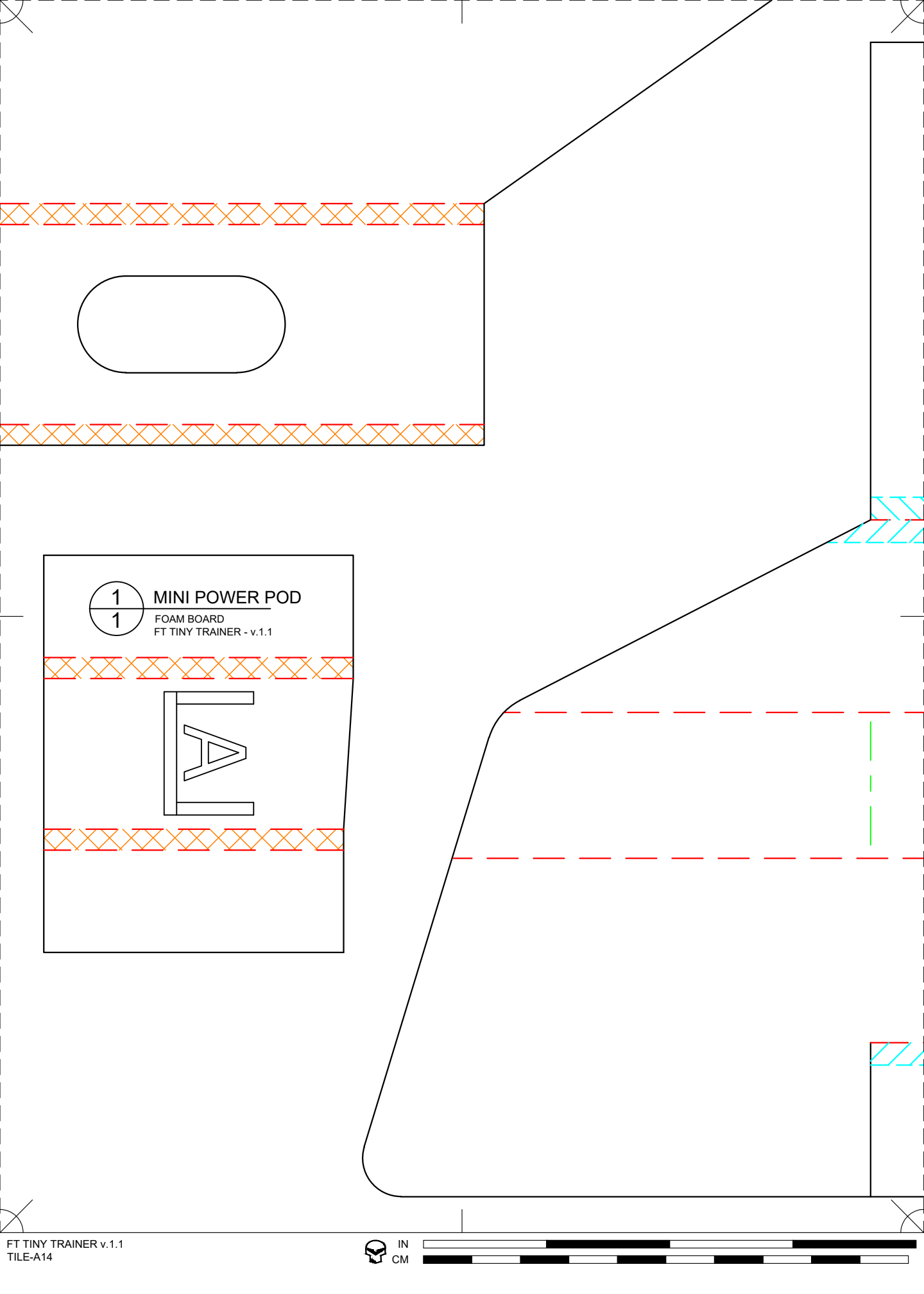
FOAM BOARD
FT TINY TRAINER - v.1.1

19
4

SPORT WING SPAR SHORT

FOAM BOARD
FT TINY TRAINER - v.1.1

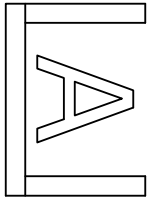


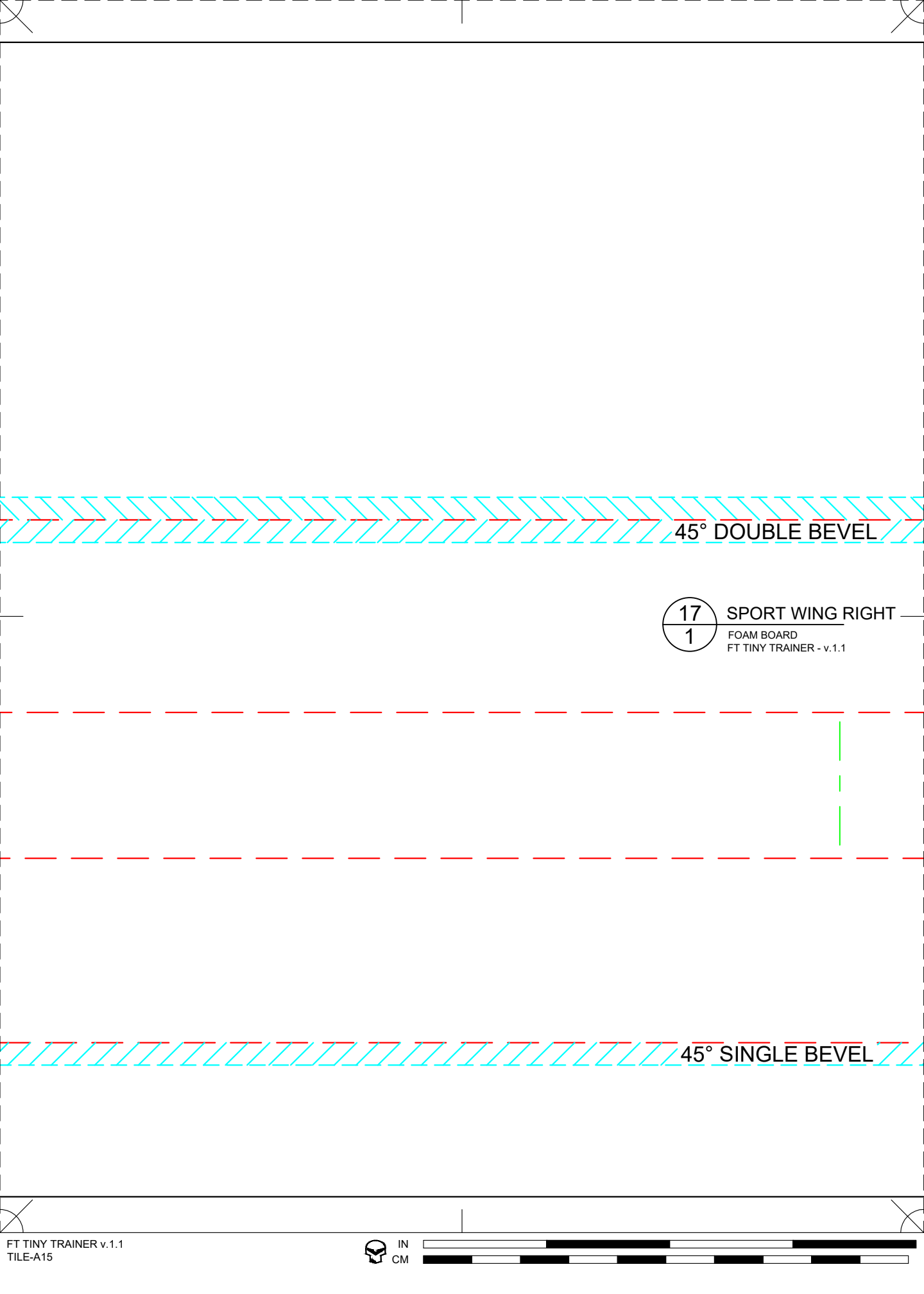


1
1

MINI POWER POD

FOAM BOARD
FT TINY TRAINER - v.1.1





45° DOUBLE BEVEL

17
1

SPORT WING RIGHT

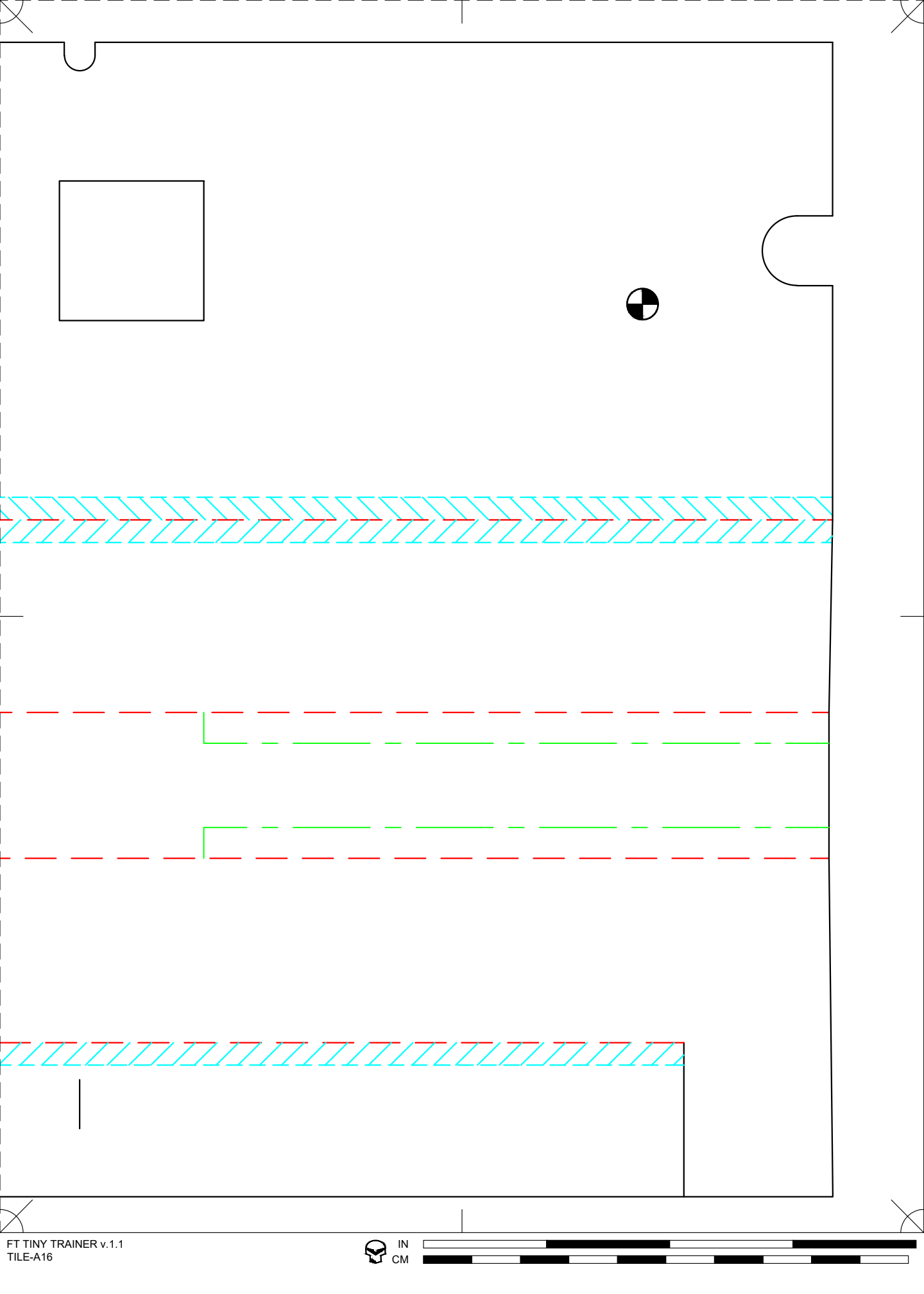
FOAM BOARD
FT TINY TRAINER - v.1.1

45° SINGLE BEVEL



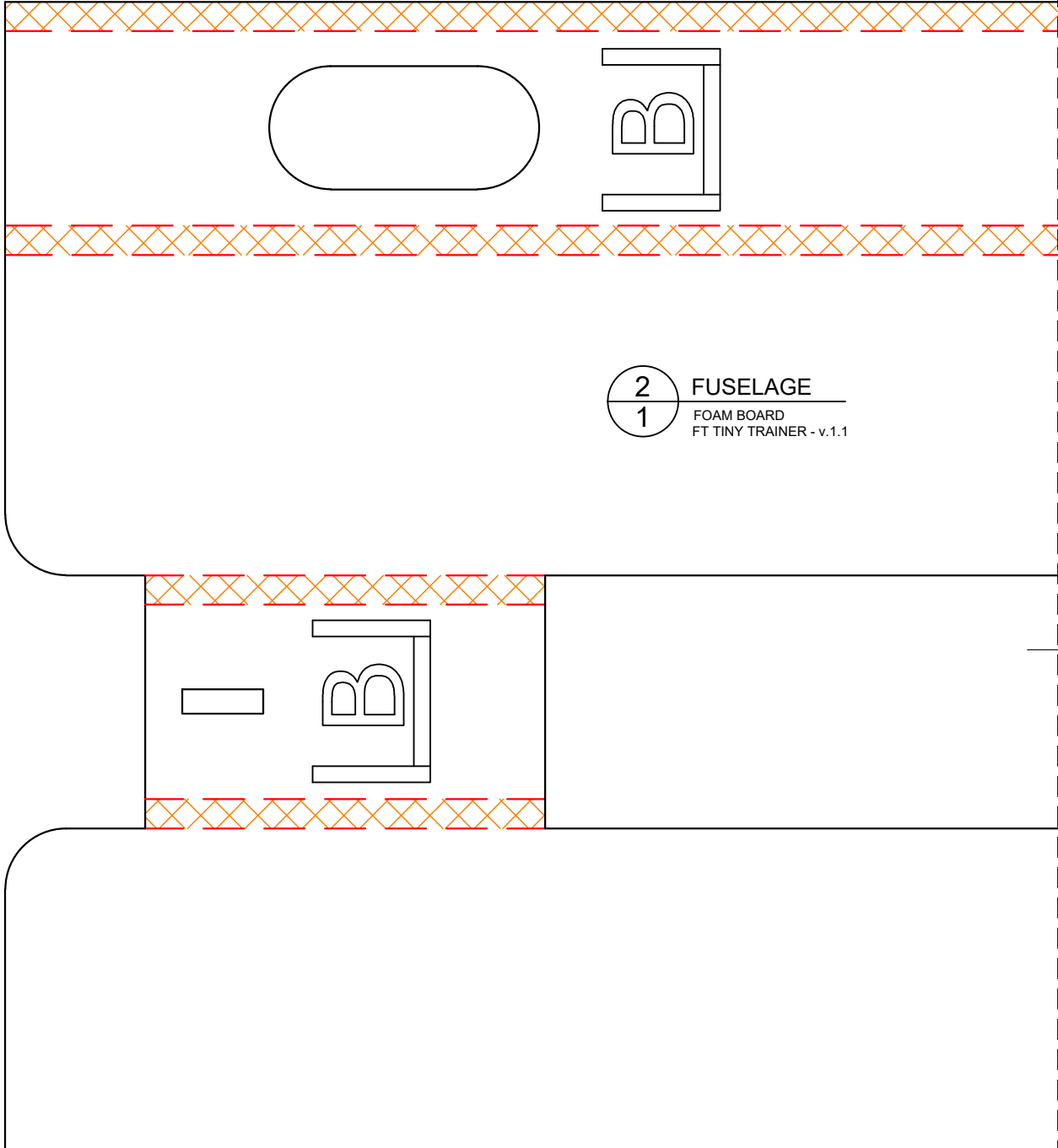
IN
CM







IN
CM

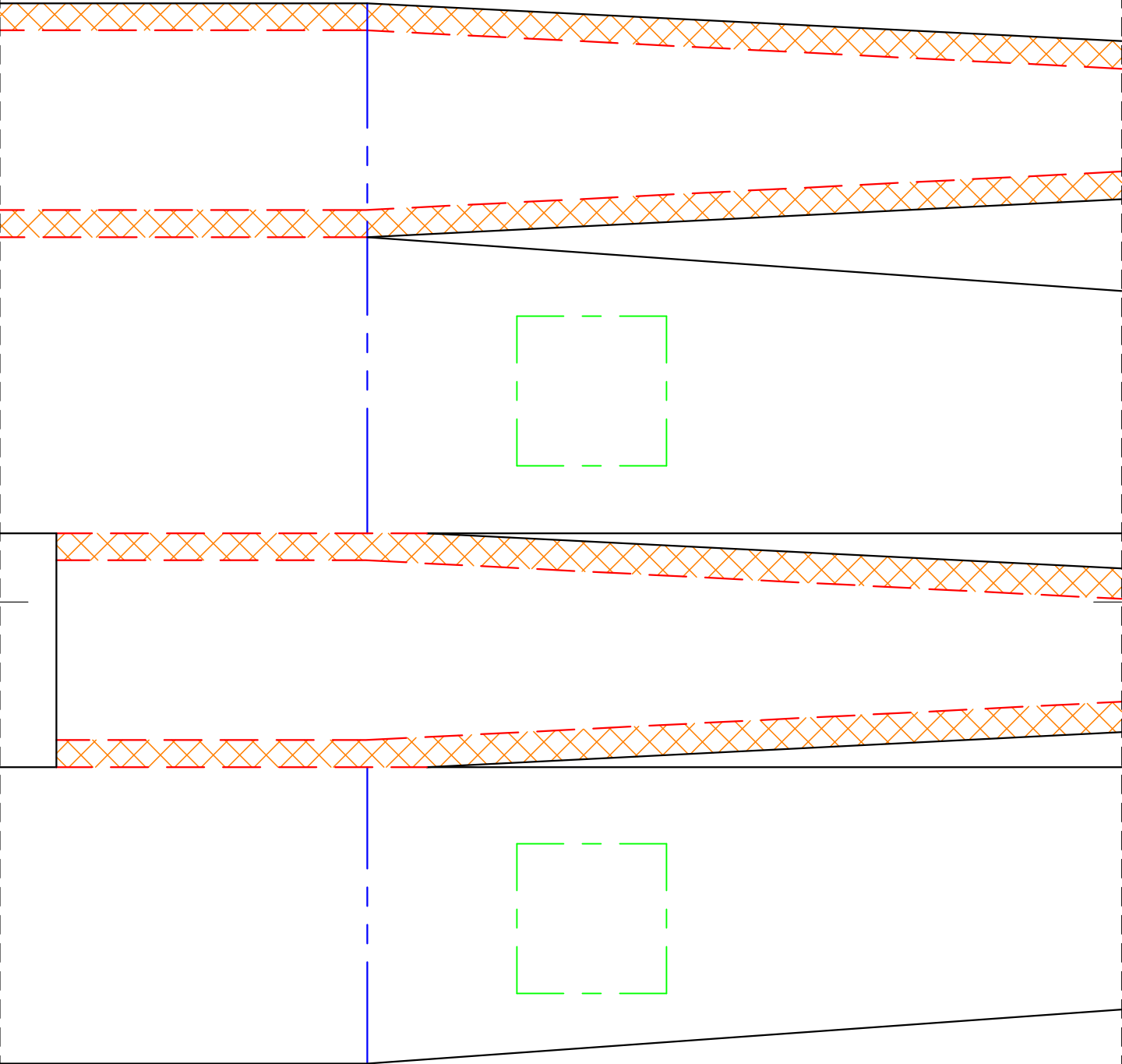


FUSELAGE

FOAM BOARD
FT TINY TRAINER - v.1.1

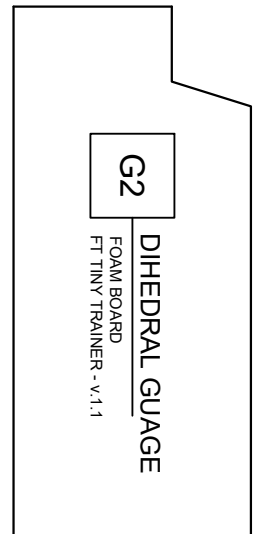
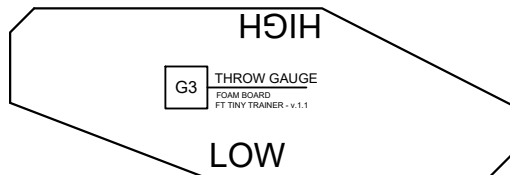
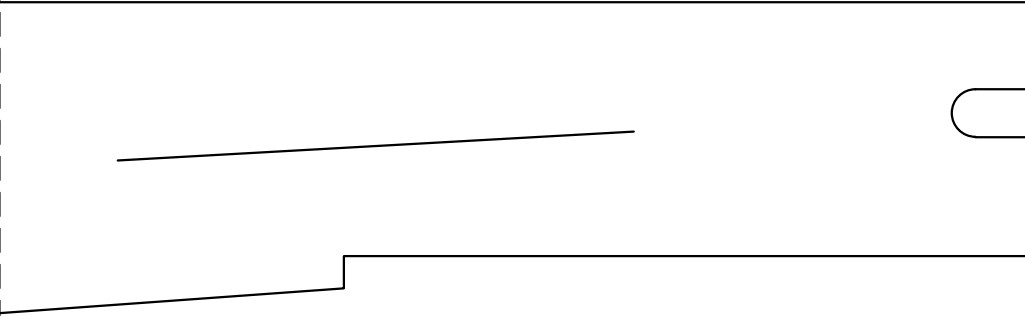
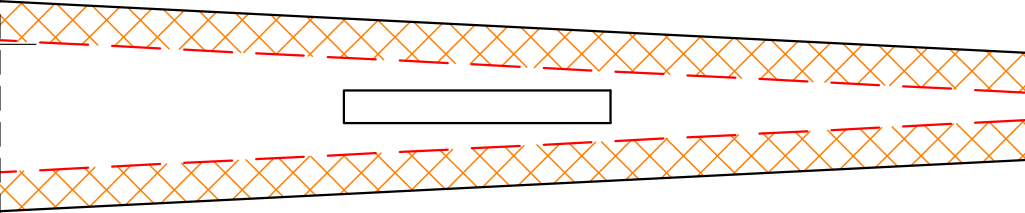
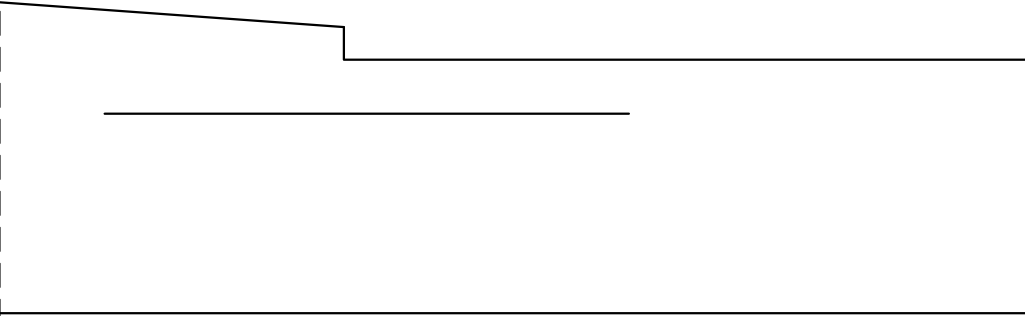
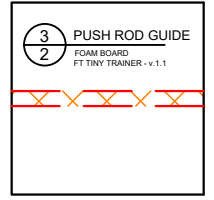
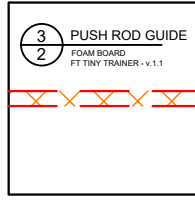
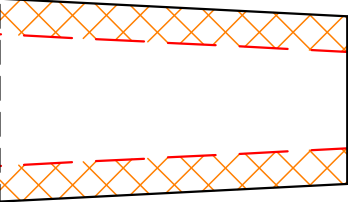


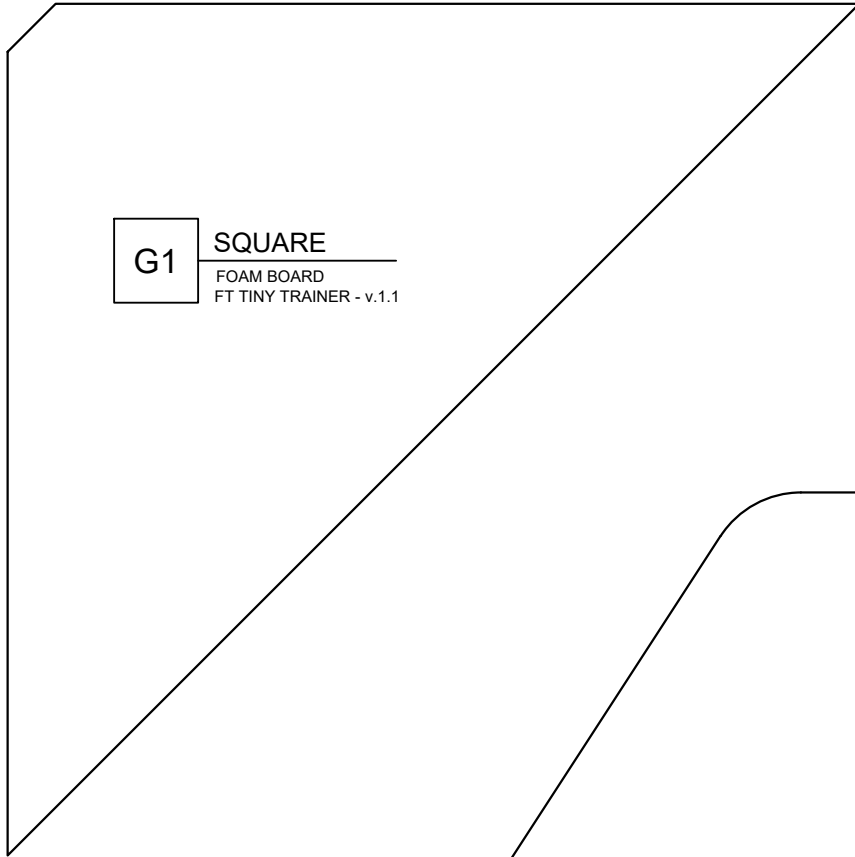
IN
CM





IN
CM

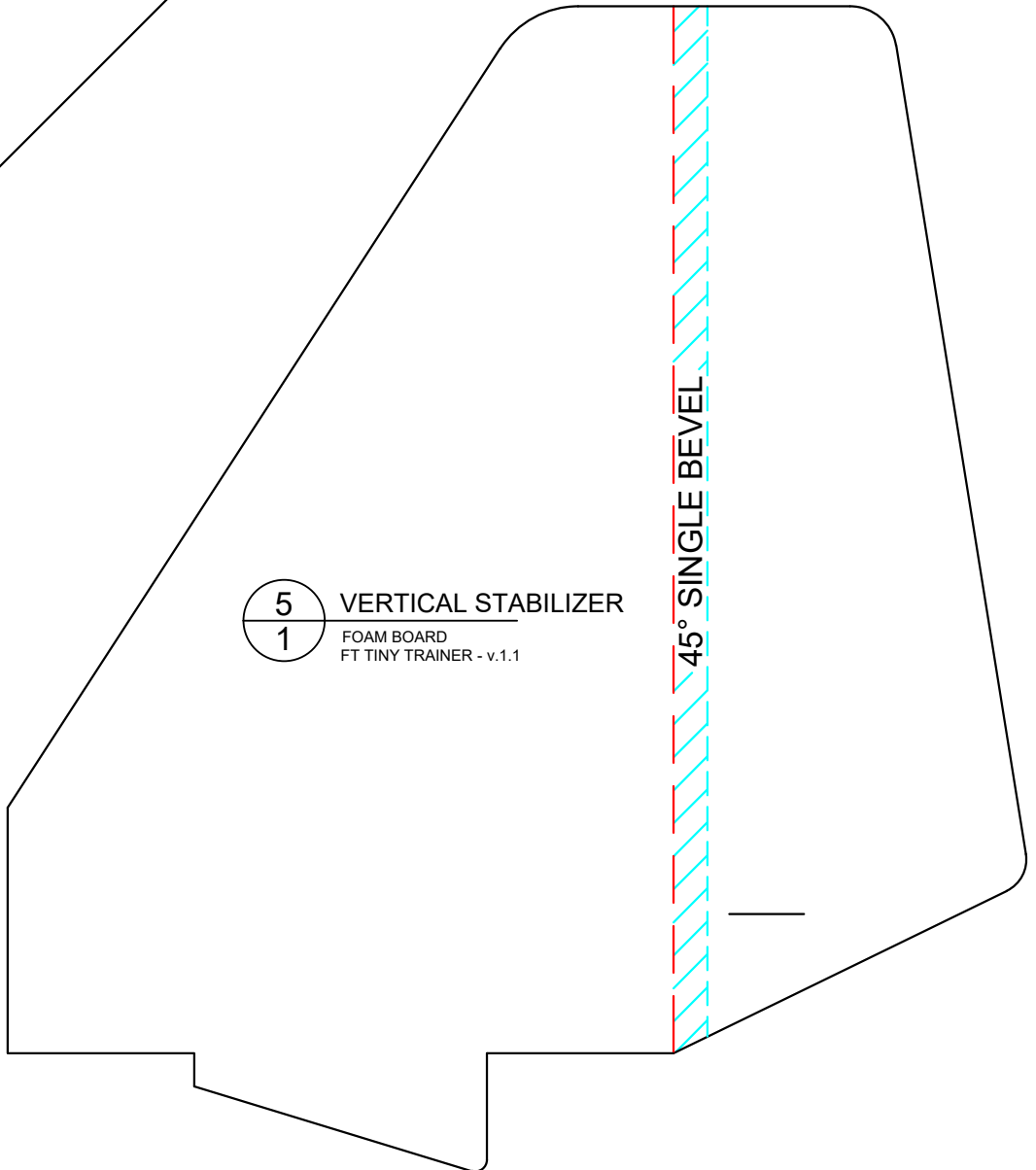




G1

SQUARE

FOAM BOARD
FT TINY TRAINER - v.1.1

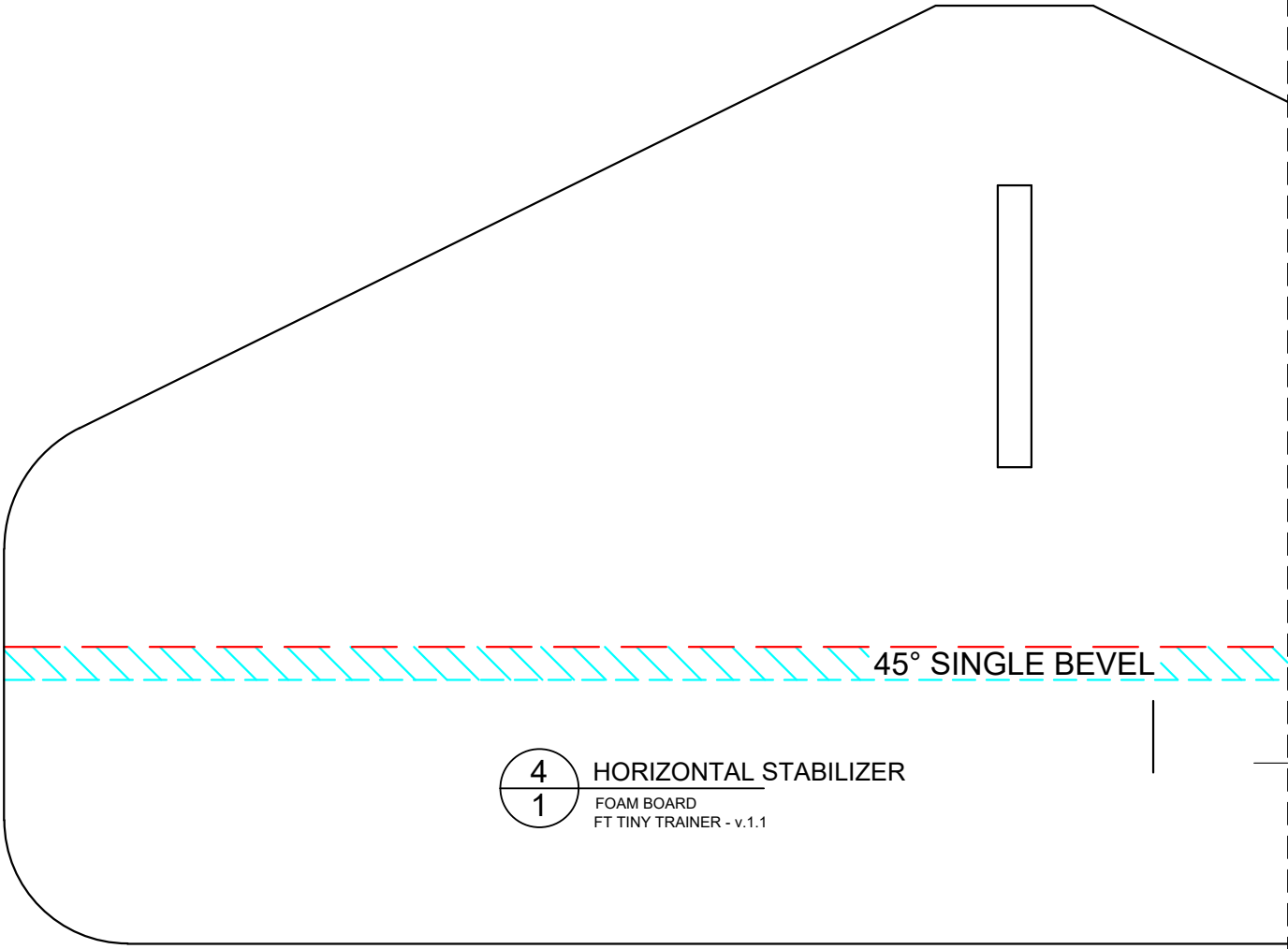


5
1

VERTICAL STABILIZER

FOAM BOARD
FT TINY TRAINER - v.1.1

45° SINGLE BEVEL



45° SINGLE BEVEL

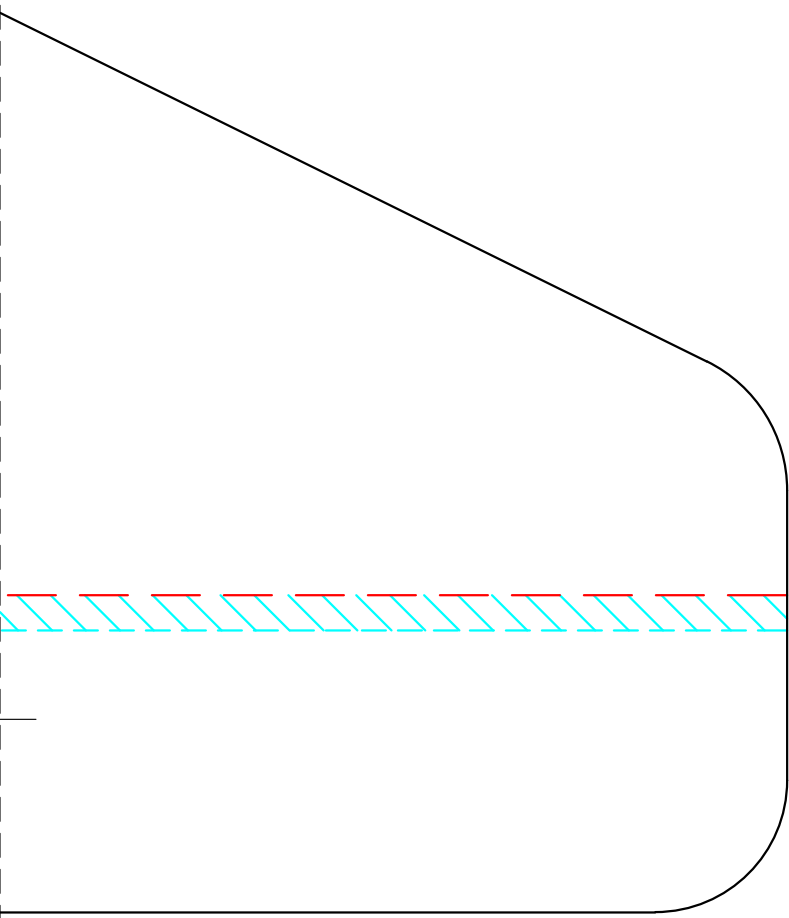
4
1

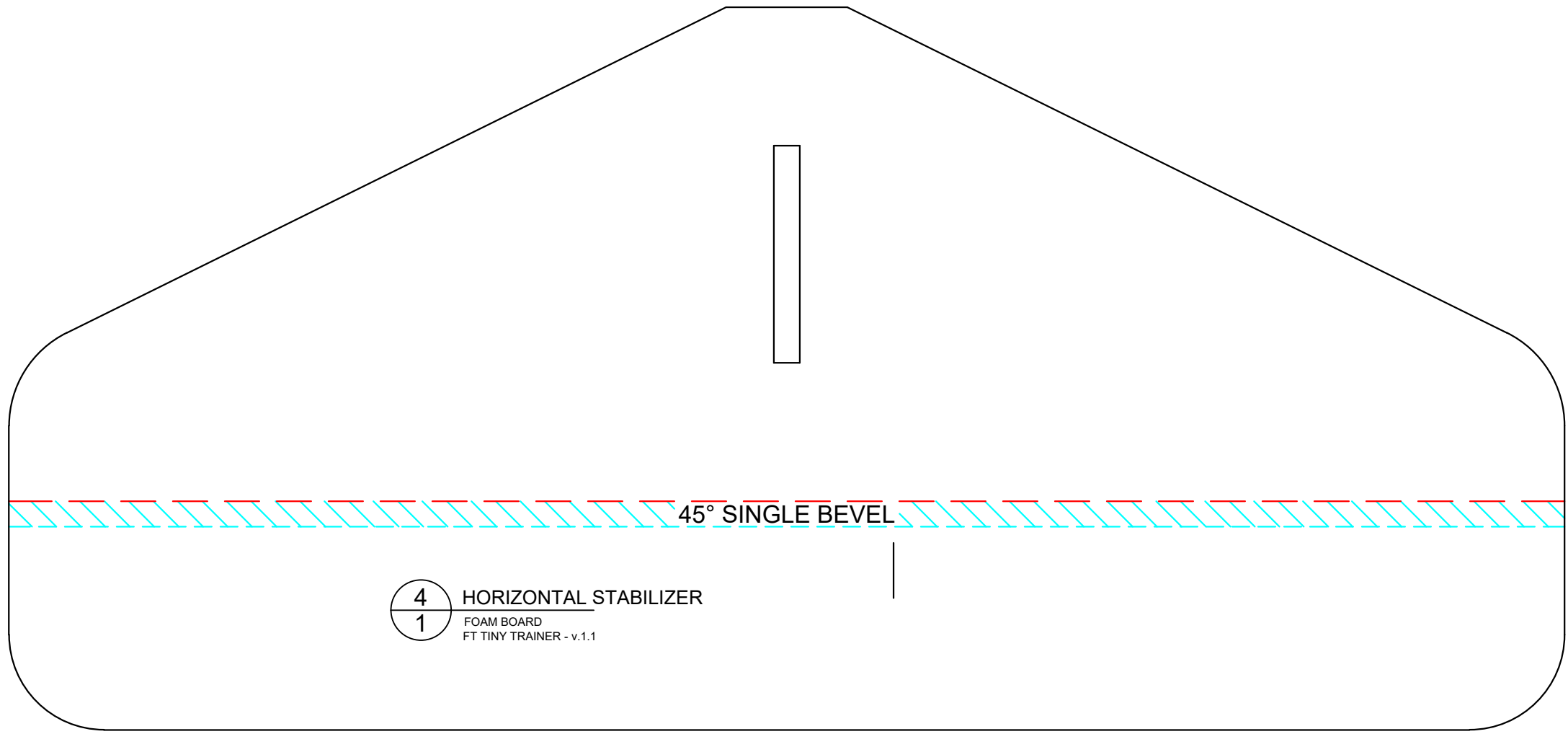
HORIZONTAL STABILIZER
FOAM BOARD
FT TINY TRAINER - v.1.1



IN
CM







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