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FT Tiny Trainer

Designed By: Josh Bixler
Drawing By: Dan Sponholz
Version: 1.1
Date: 2020.03.18



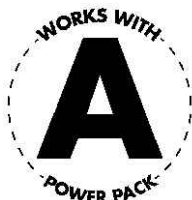
GENERAL SPECIFICATIONS:

| | | |
|----------------|-------------------------------|----------------------|
| 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:

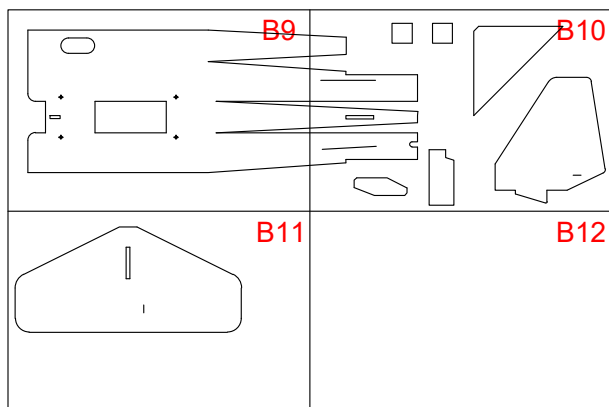
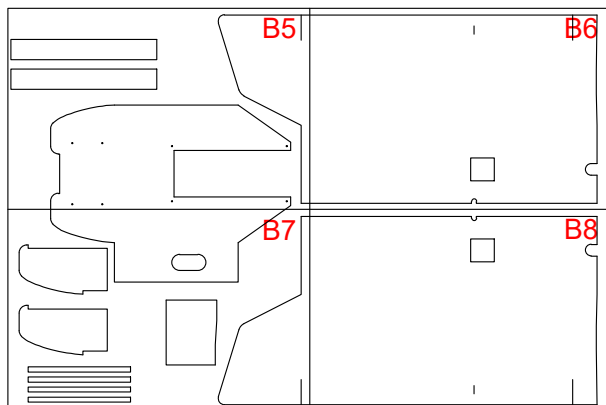
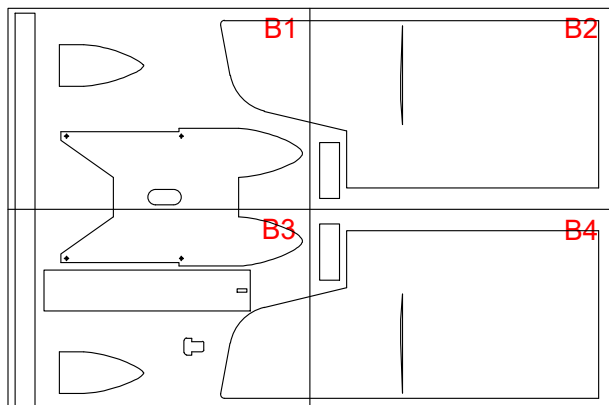


PILOT SKILL LEVEL:





FT Tiny Trainer: Tile B Key

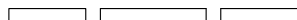
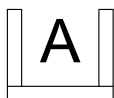




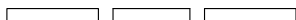
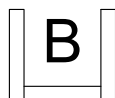
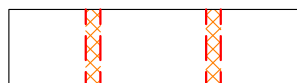
Drawing Key



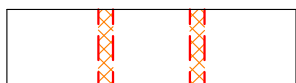
FOLD TYPES



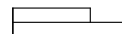
A - FOLD (ABOVE)



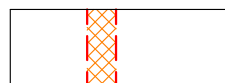
B - FOLD (BESIDE)



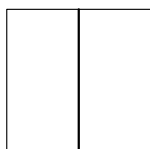
C



C - FOLD (COVER)



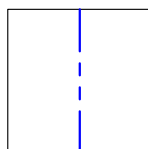
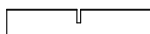
LINE TYPE/COLOR



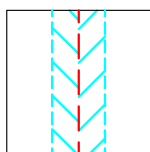
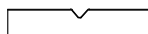
CUT



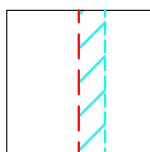
50% SCORE



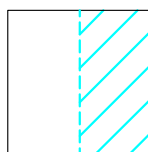
CREASE



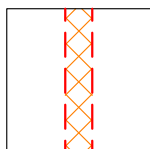
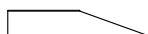
45° DOUBLE
BEVEL



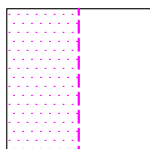
45° SINGLE
BEVEL



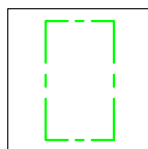
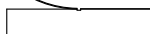
EDGE
BEVEL



CAVITY



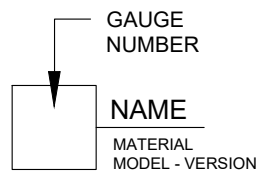
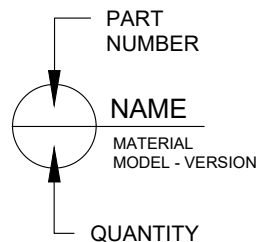
REMOVE
PAPER



REFERENCE/
OPTIONAL



SYMBOLS



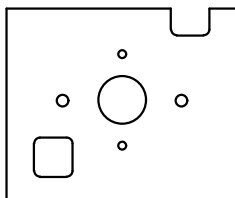
CENTER
OF
GRAVITY
(CG)



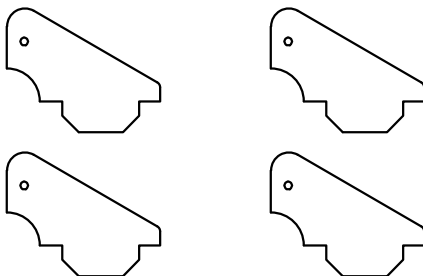
FT Tiny Trainer: Wood Parts



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



FT MINI FIREWALL

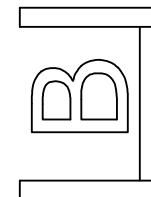
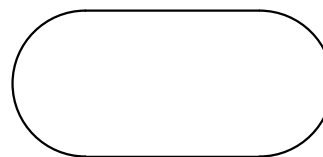
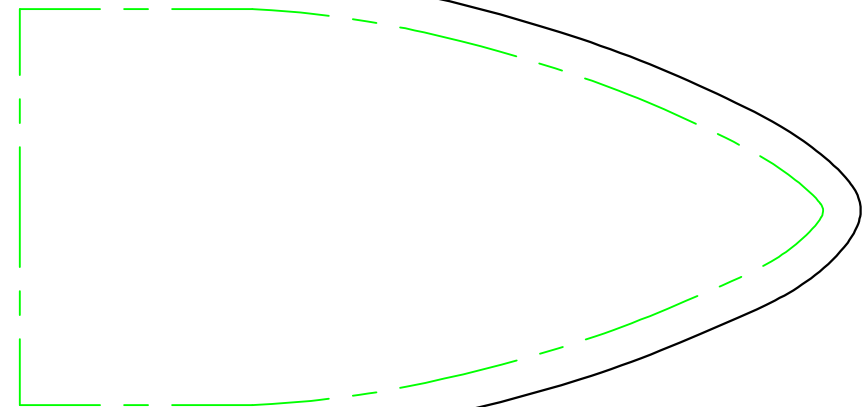


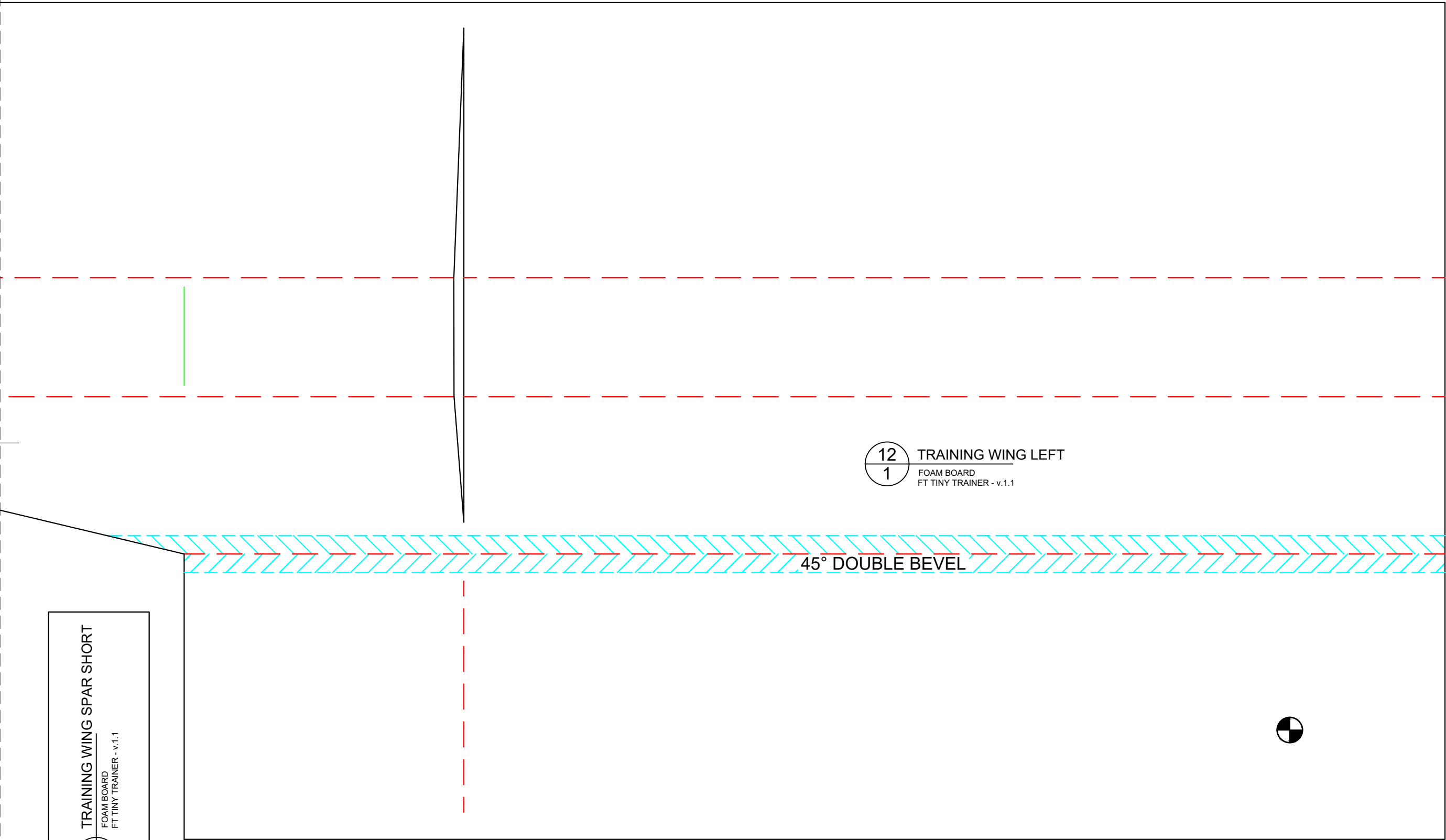
FT MINI CONTROL HORNS

7
2

GLIDER NOSE DOUBLER

FOAM BOARD
FT TINY TRAINER - v.1.1

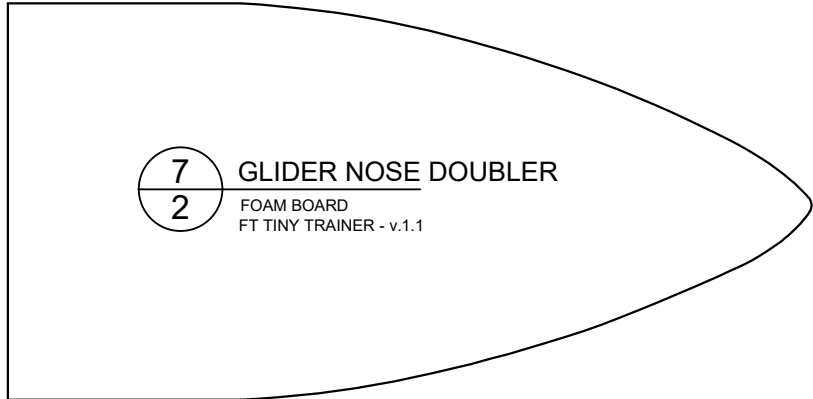
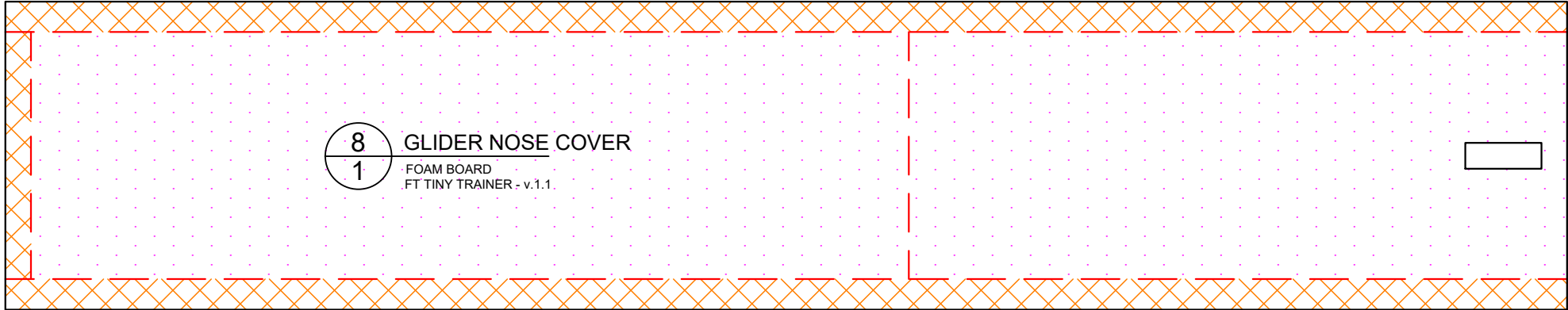




12
1 TRAINING WING LEFT
FOAM BOARD
FT TINY TRAINER - v.1.1

45° DOUBLE BEVEL

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



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

FOAM BOARD
FT TINY TRAINER - v.1.1

45° SINGLE BEVEL

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

FOAM BOARD
FT TINY TRAINER - v.1.1

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

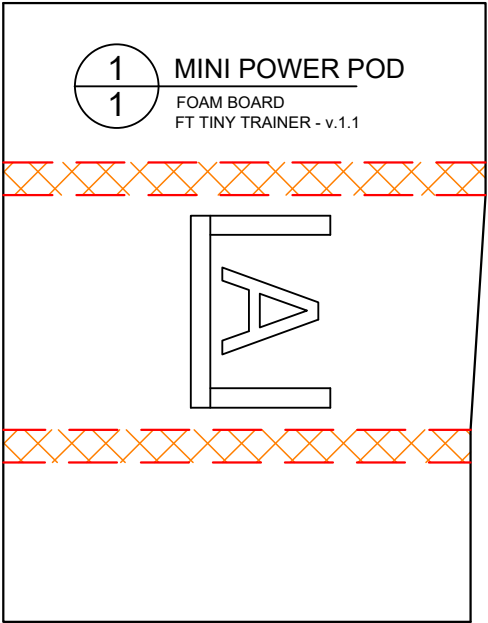
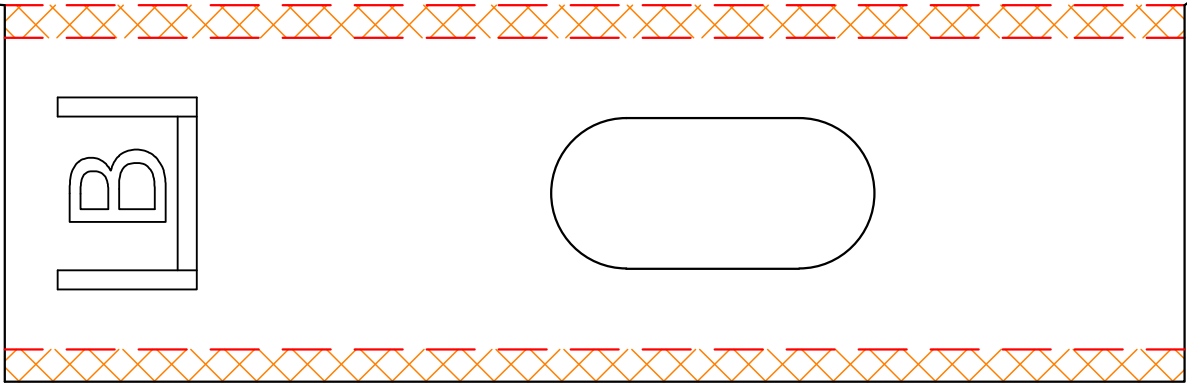
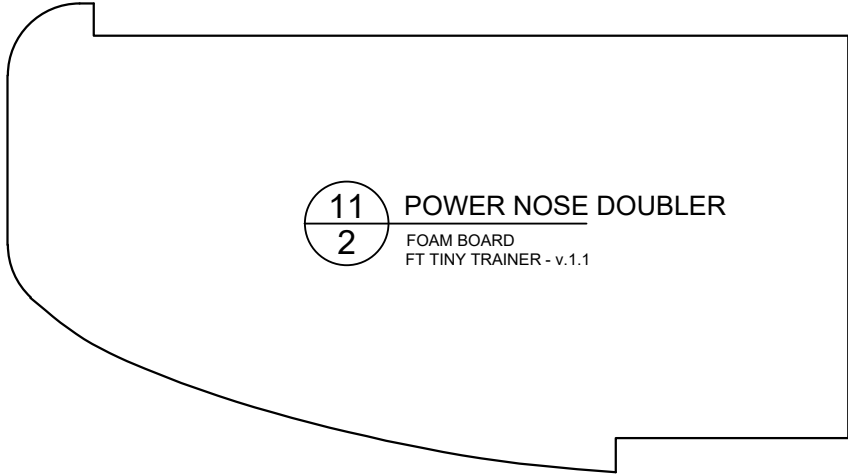
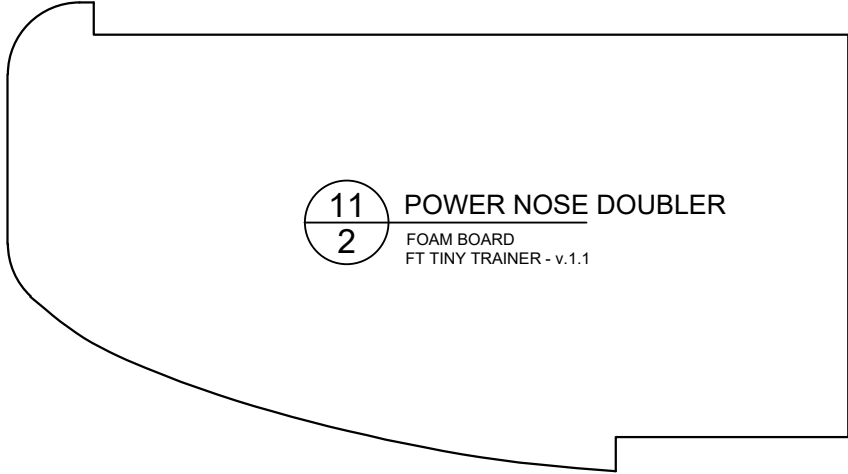
18
2 SPORT WING SPAR LONG
FOAM BOARD
FT TINY TRAINER - v.1.1

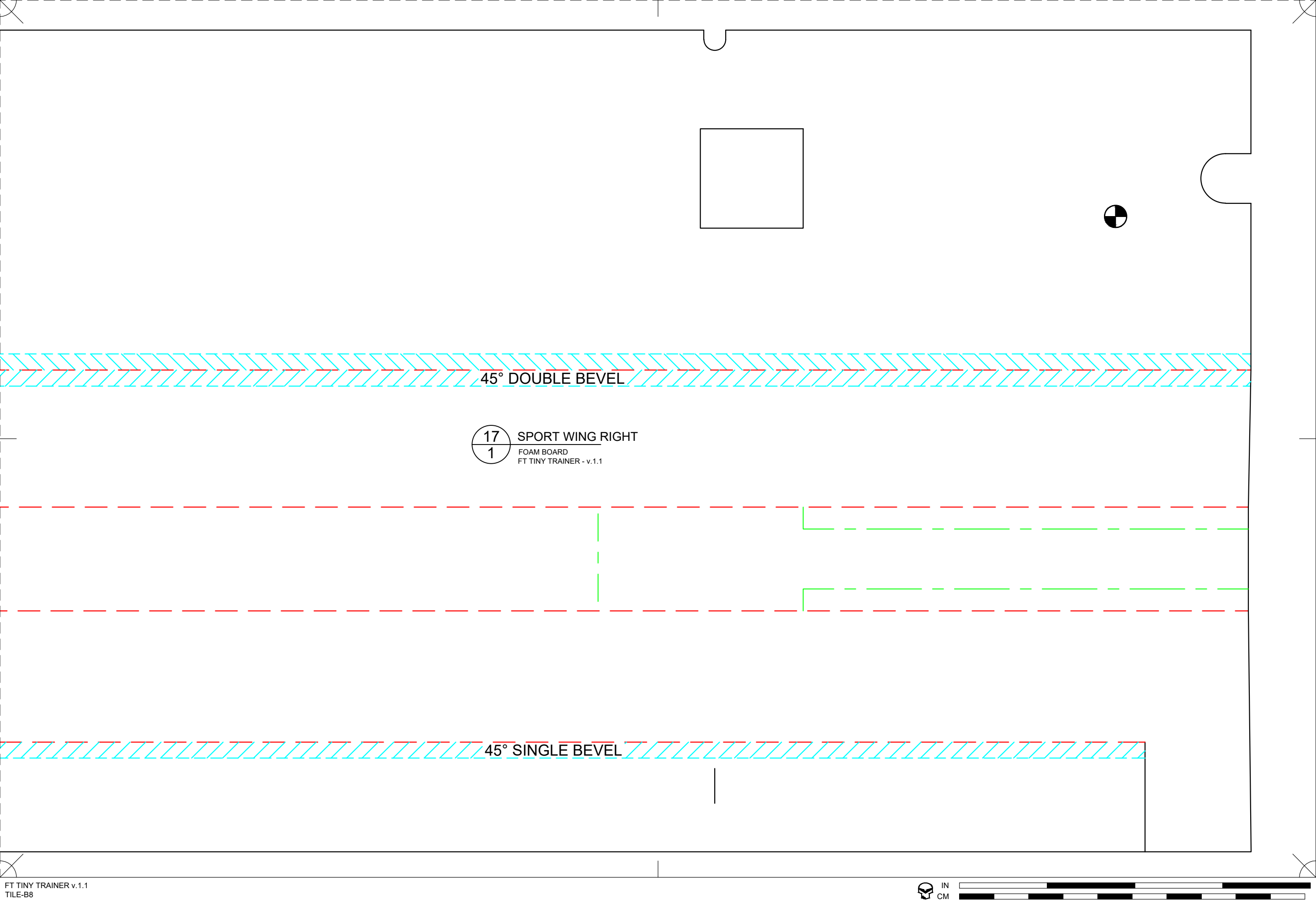
10
1 POWER NOSE
FOAM BOARD
FT TINY TRAINER - v.1.1

16 SPORT WING LEFT

1 FOAM BOARD FT TINY TRAINER - v.1.1

45° DOUBLE BEVEL

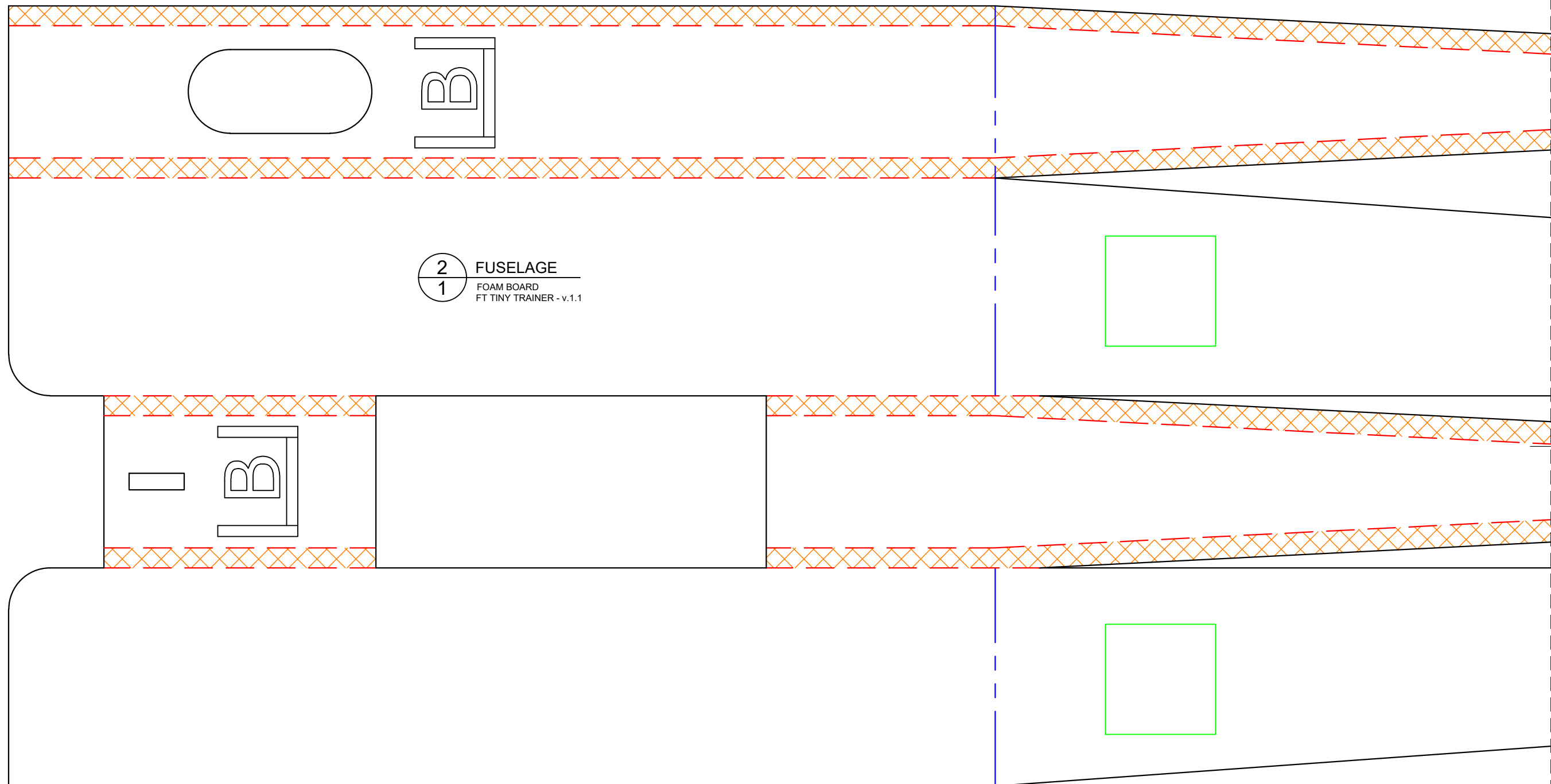


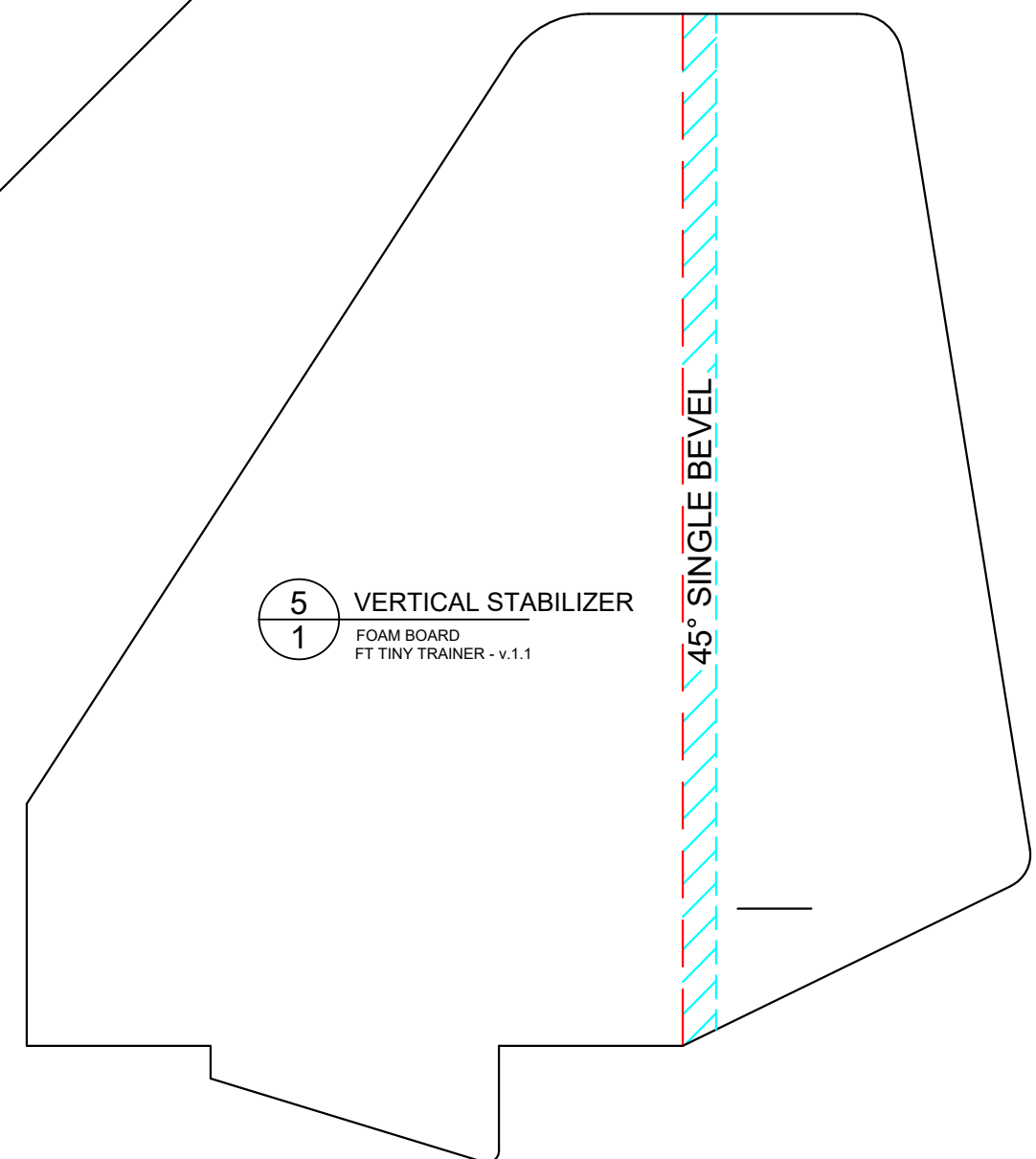
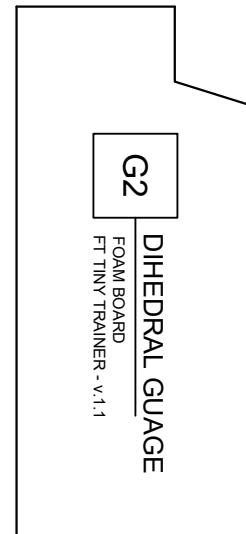
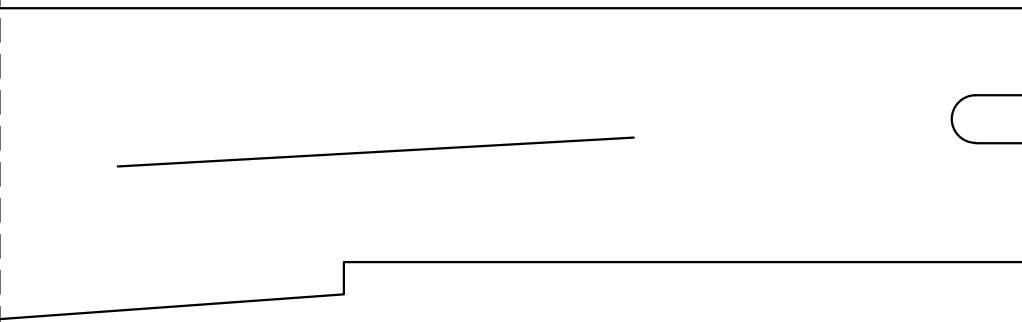
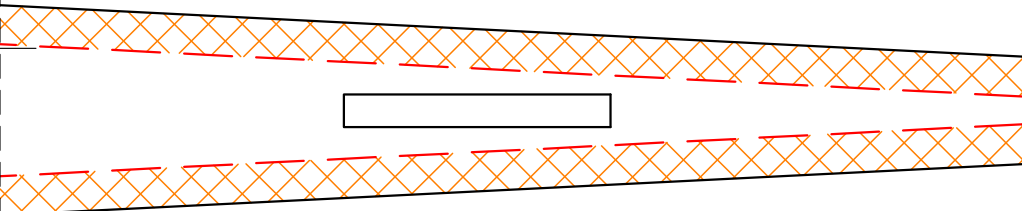
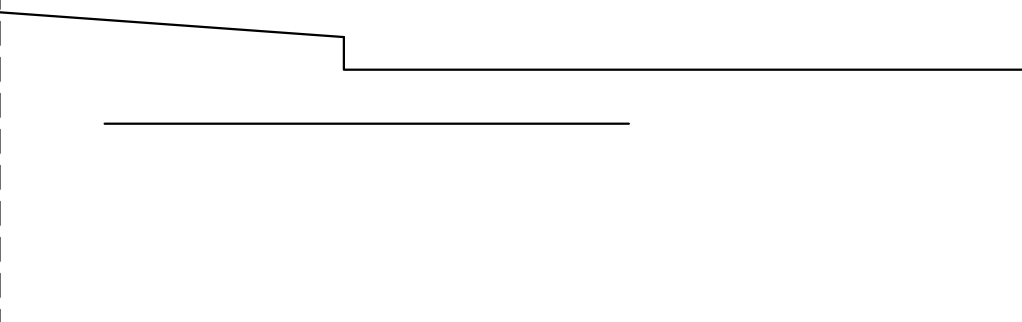
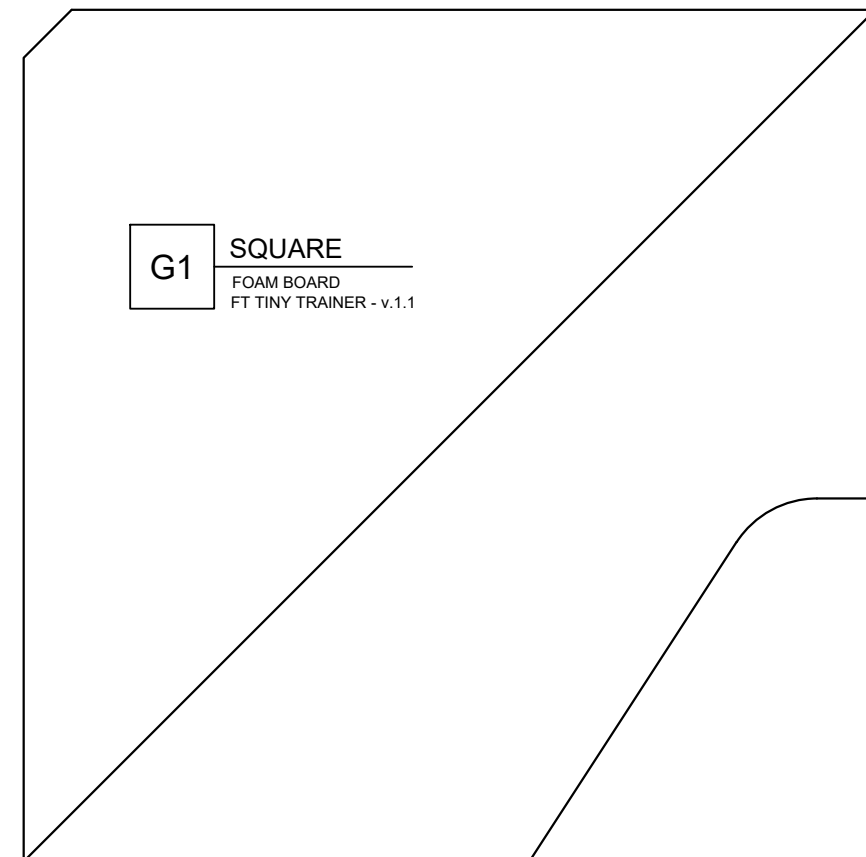
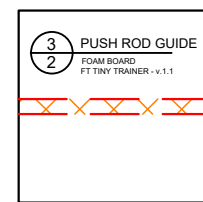
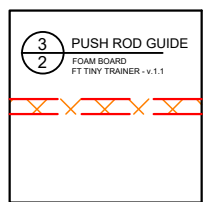


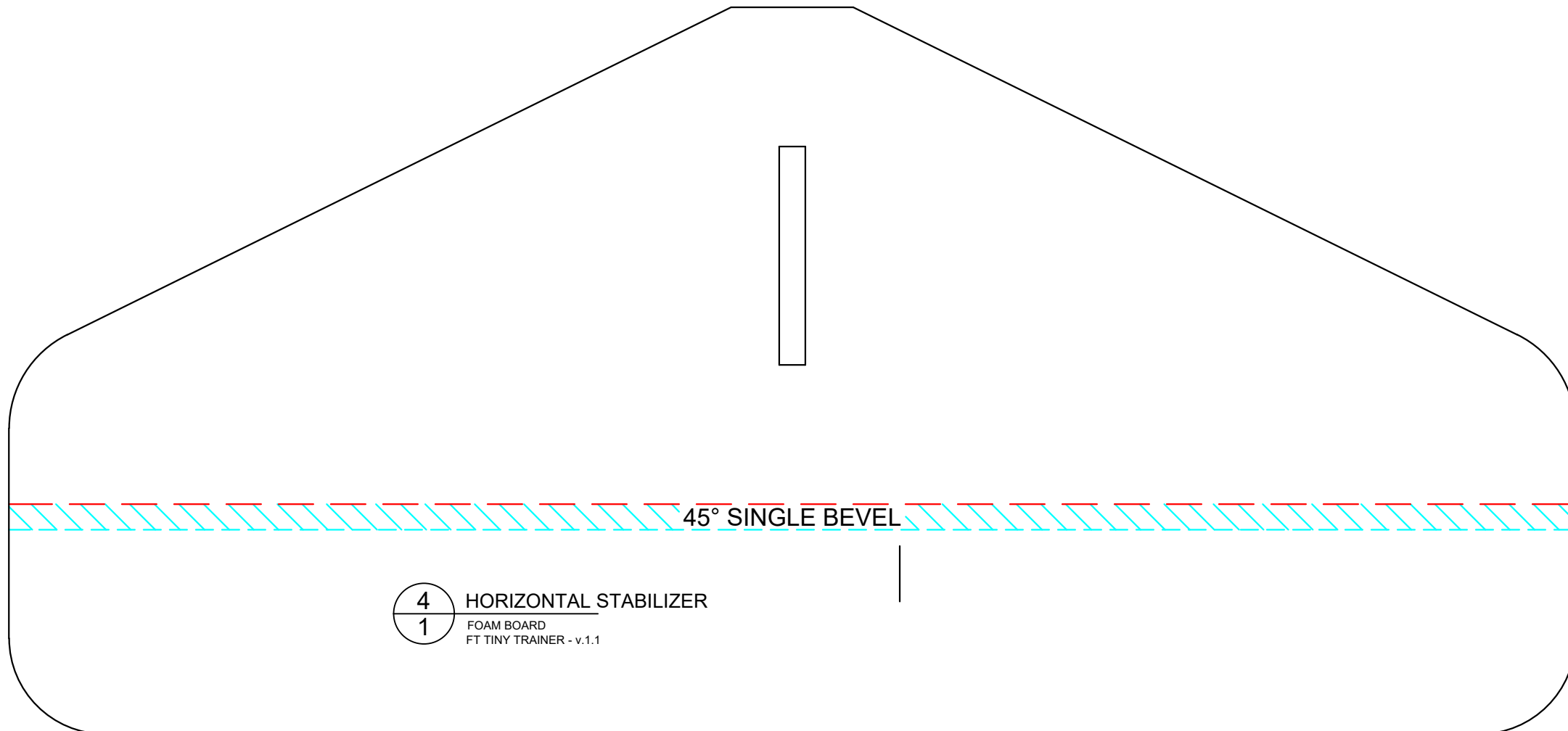
45° DOUBLE BEVEL

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

45° SINGLE BEVEL







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