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# FT Tiny Trainer

Designed By: Josh Bixler

Drawing By: Dan Sponholz

Version: 1.1

Date: 2020.03.18



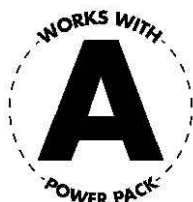
## GENERAL SPECIFICATIONS:

LENGTH:	25.5 in	648 mm
CG:	1.75 in	44 mm
WINGSPAN:	37 in	940 mm
WING AREA:	194 in <sup>2</sup>	12.5 dm <sup>2</sup>
DRY WEIGHT:	6.8 oz.	193 g
ALL UP WEIGHT:	9.5oz.	270 g
WING LOADING:	7.1 oz/ft <sup>2</sup>	22 g/dm <sup>2</sup>
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:

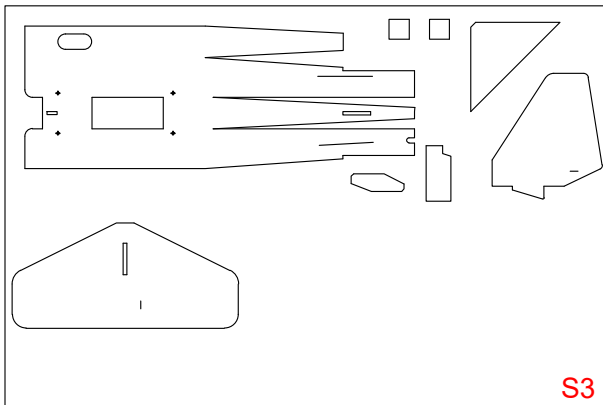
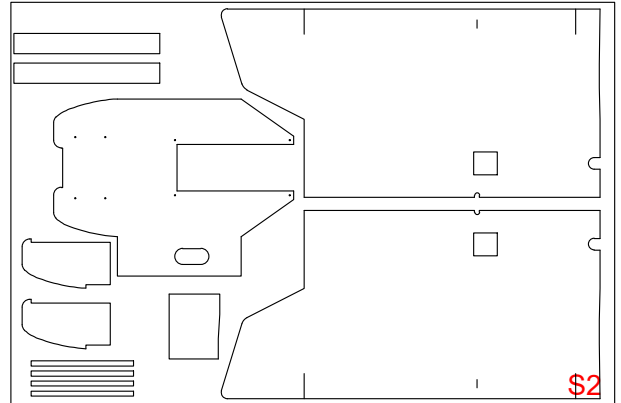
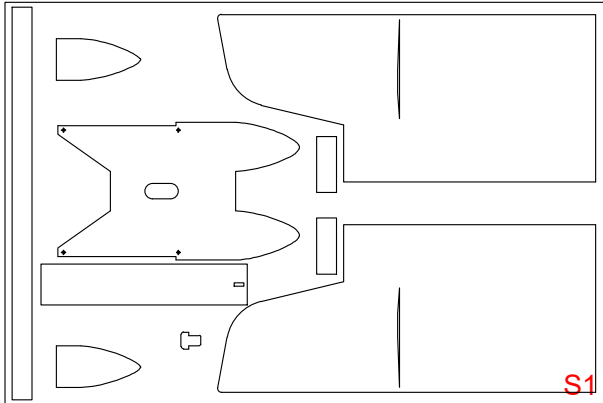


## PILOT SKILL LEVEL:





# FT Tiny Trainer: Full-Size Key

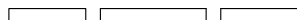
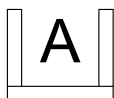




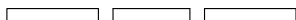
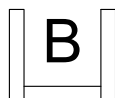
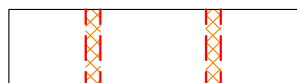
# Drawing Key



## FOLD TYPES



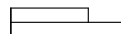
A - FOLD (ABOVE)



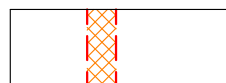
B - FOLD (BESIDE)



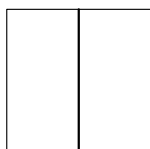
C



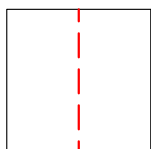
C - FOLD (COVER)



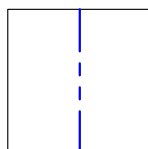
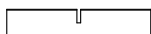
## LINE TYPE/COLOR



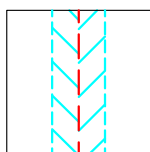
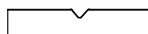
CUT



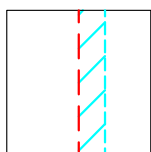
50% SCORE



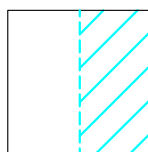
CREASE



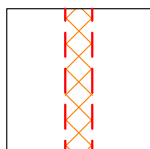
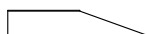
45° DOUBLE  
BEVEL



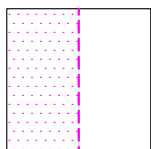
45° SINGLE  
BEVEL



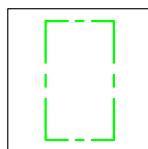
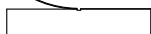
EDGE  
BEVEL



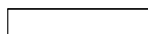
CAVITY



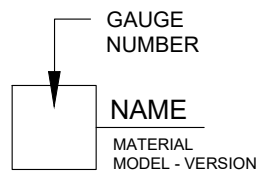
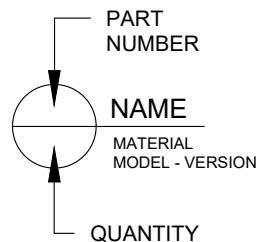
REMOVE  
PAPER



REFERENCE/  
OPTIONAL



## SYMBOLS

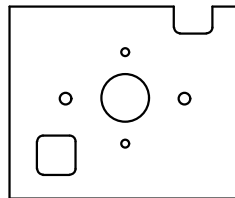




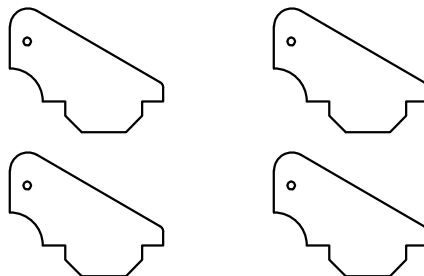
# FT Tiny Trainer: Wood Parts



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



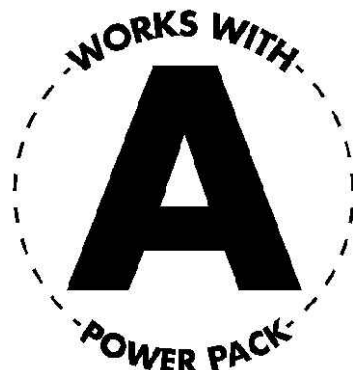
FT MINI FIREWALL



FT MINI CONTROL HORNS

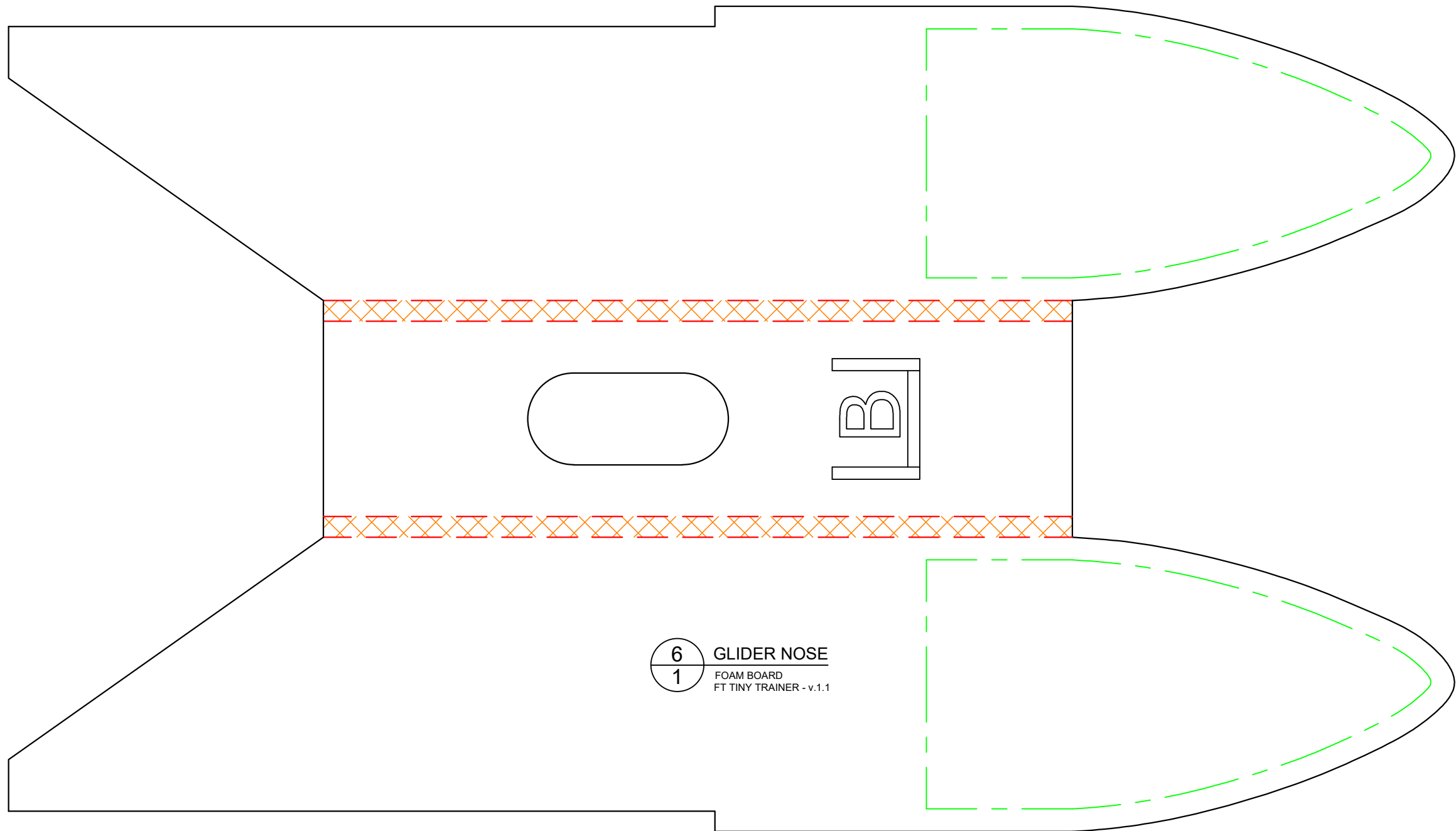
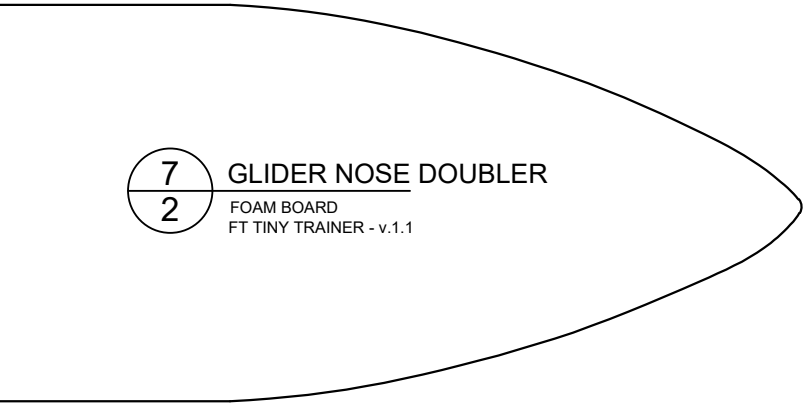
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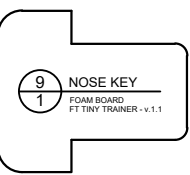
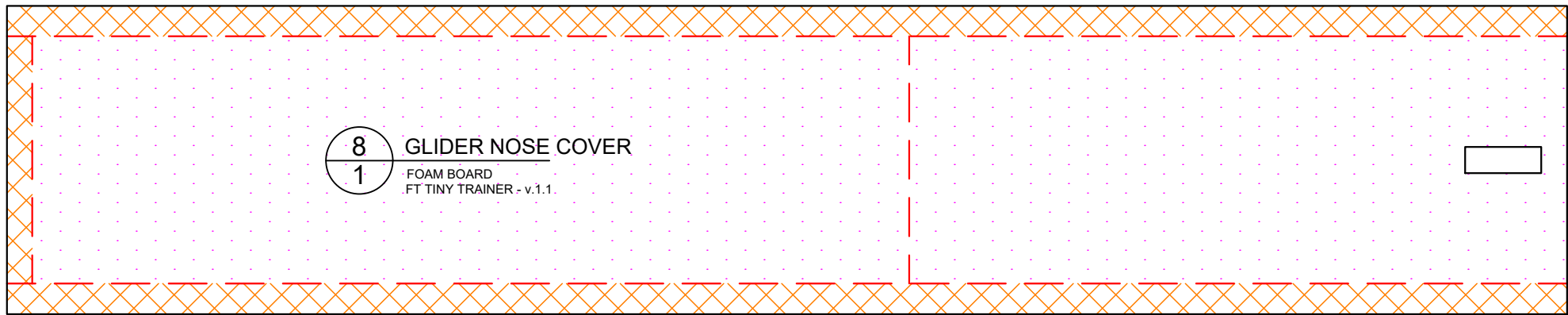
14 TRAINING WING SPAR LONG  
FOAM BOARD  
FT TINY TRAINER - v.1.1

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

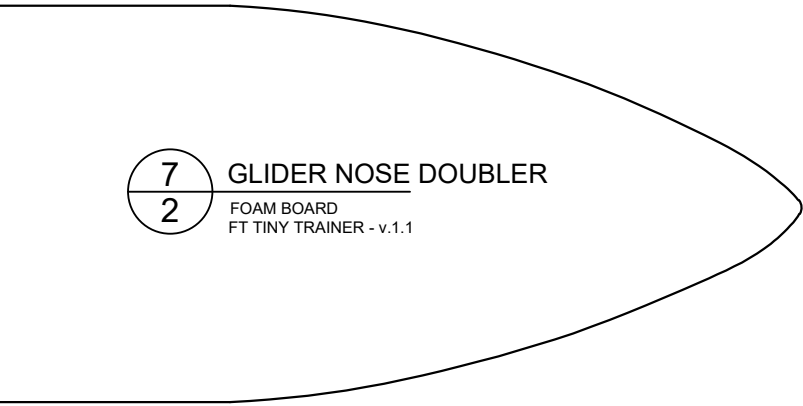


6 GLIDER NOSE  
1  
FOAM BOARD  
FT TINY TRAINER - v.1.1

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



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

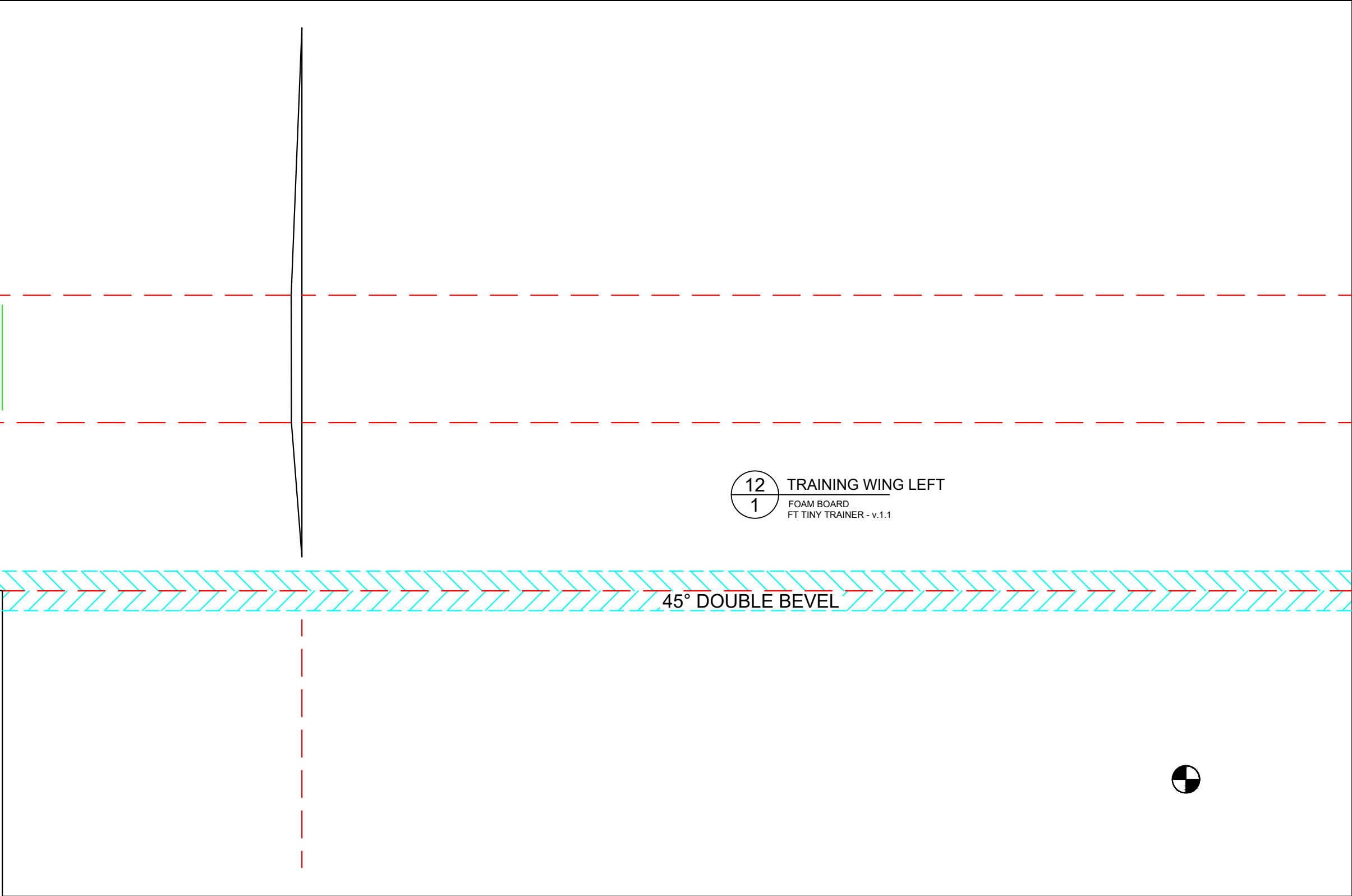


15 TRAINING WING SPAR SHORT  
2  
FOAM BOARD  
FT TINY TRAINER - v.1.1



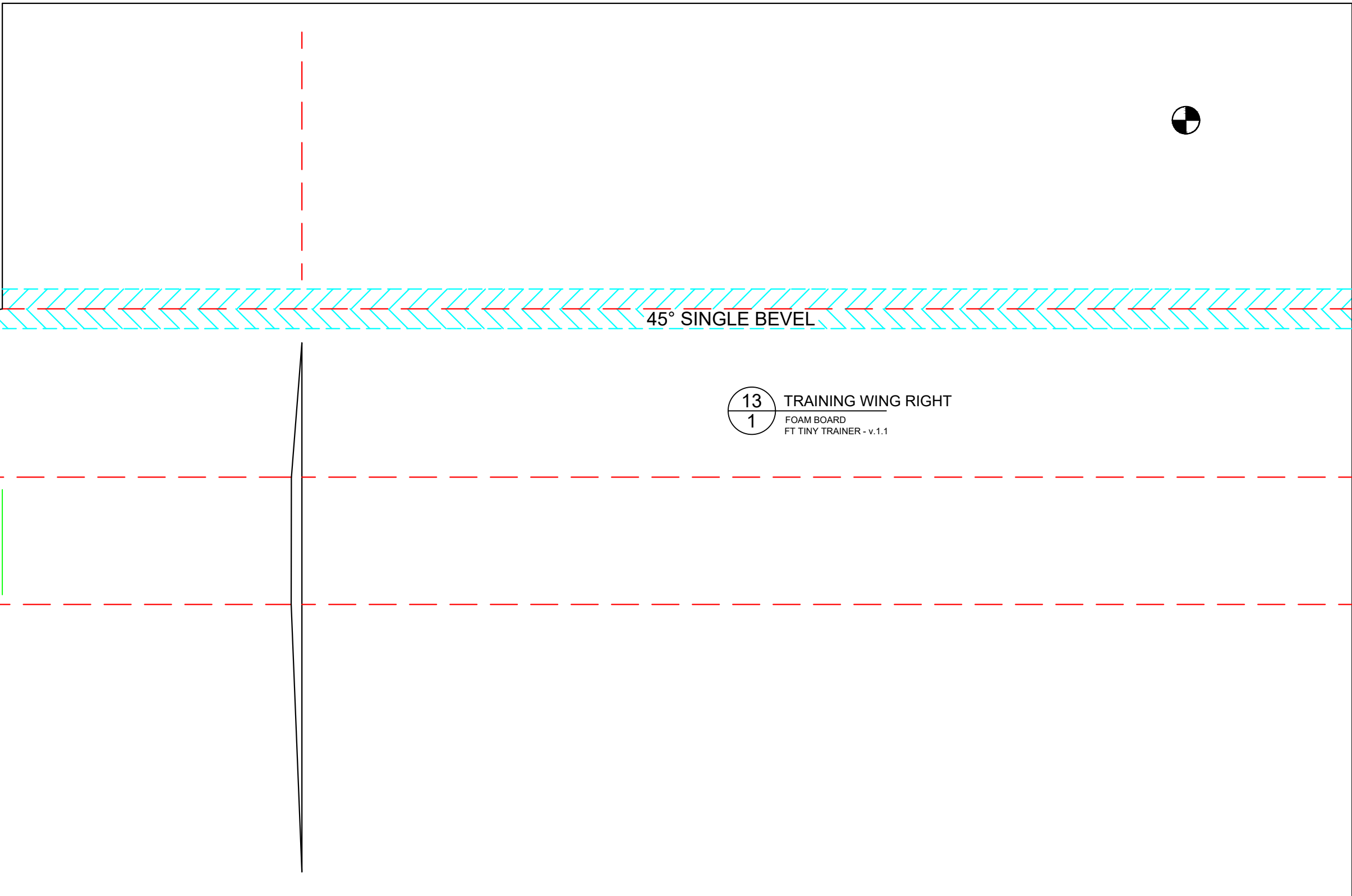
IN 1 2 3 4 5 6 7 8 9 10  
CM 1 2 3 4 5 6 7 8 9 10  
SHEET 1 OF 3

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



45° DOUBLE BEVEL

13 TRAINING WING RIGHT  
1  
FOAM BOARD  
FT TINY TRAINER - v.1.1



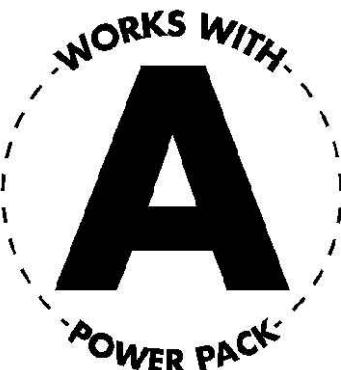
45° SINGLE BEVEL



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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

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

1  
1

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

10  
4

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

10  
4

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

10  
4

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

10  
4

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

45° SINGLE BEVEL

16  
1

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

45° DOUBLE BEVEL

45° DOUBLE BEVEL

17  
1

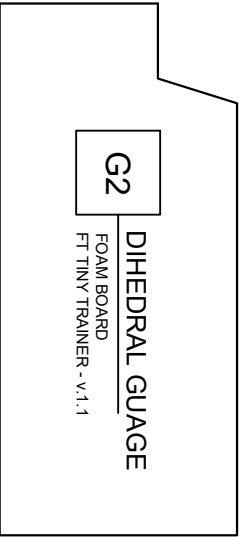
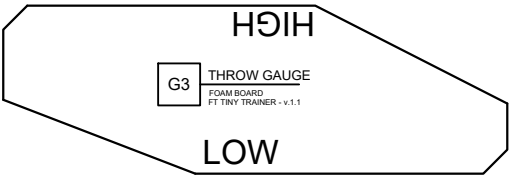
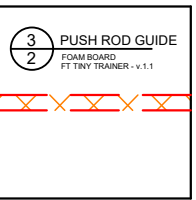
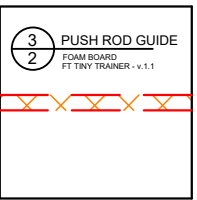
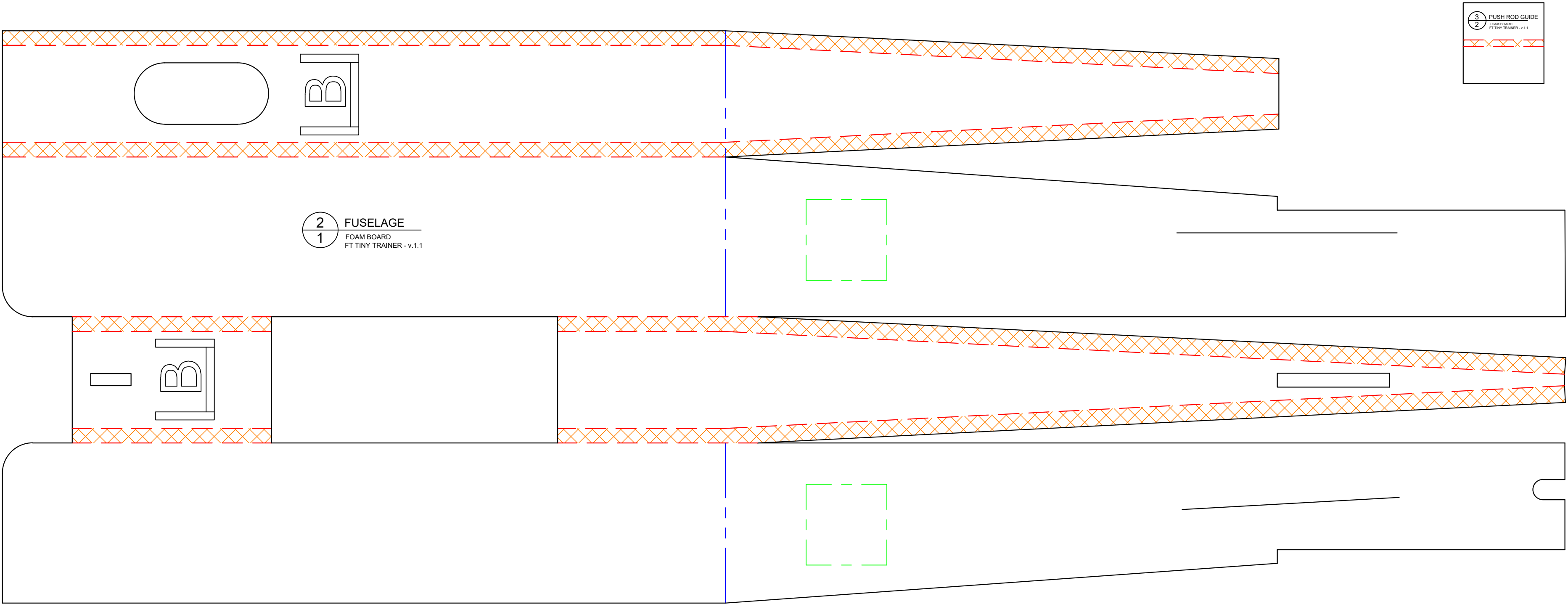
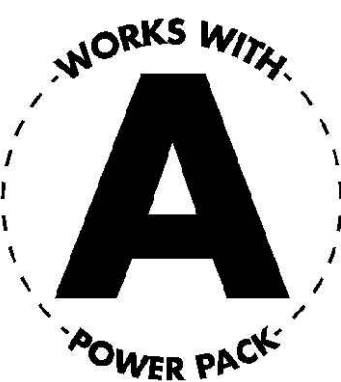
SPORT WING RIGHT  
FOAM BOARD  
FT TINY TRAINER - v.1.1

45° SINGLE BEVEL



FT Tiny Trainer

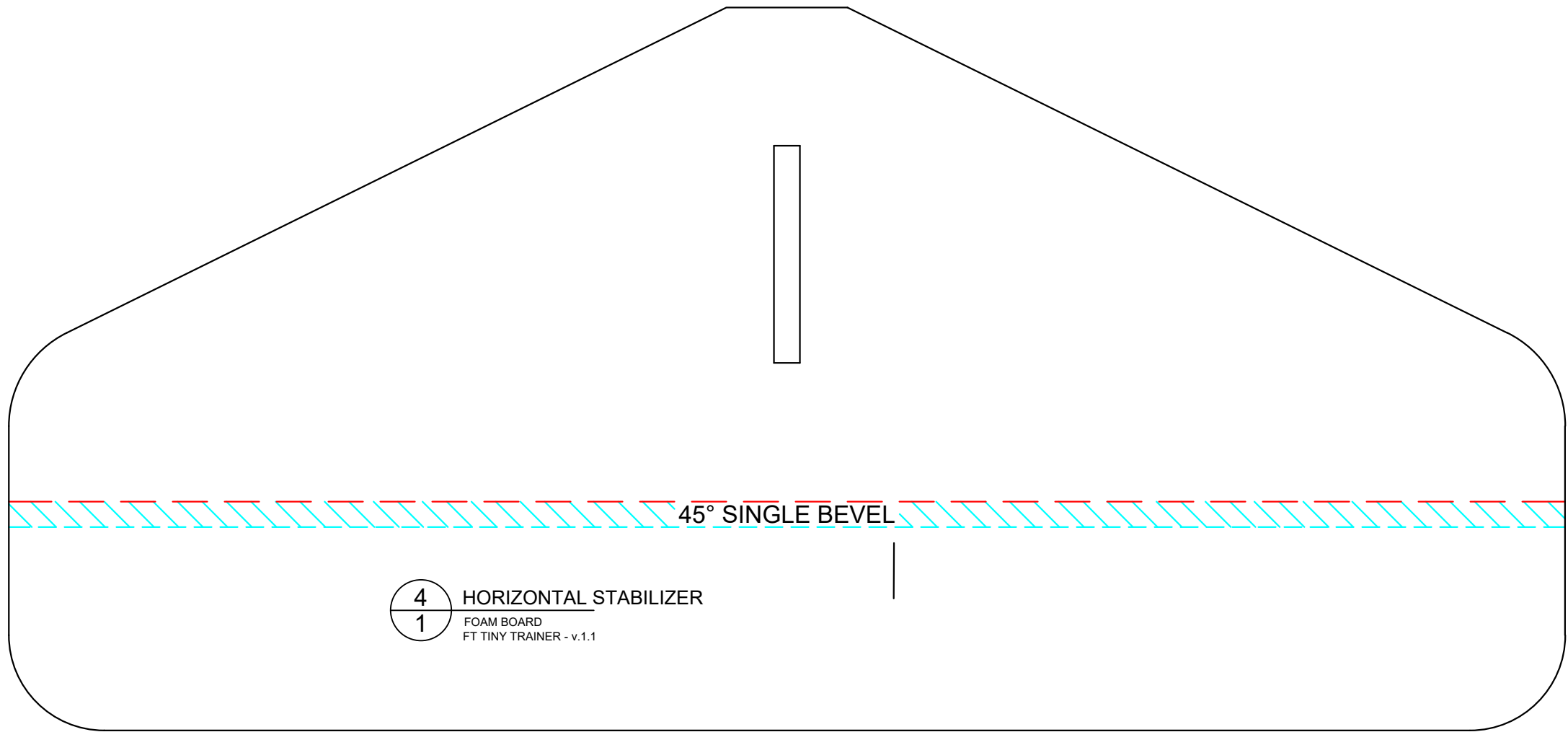
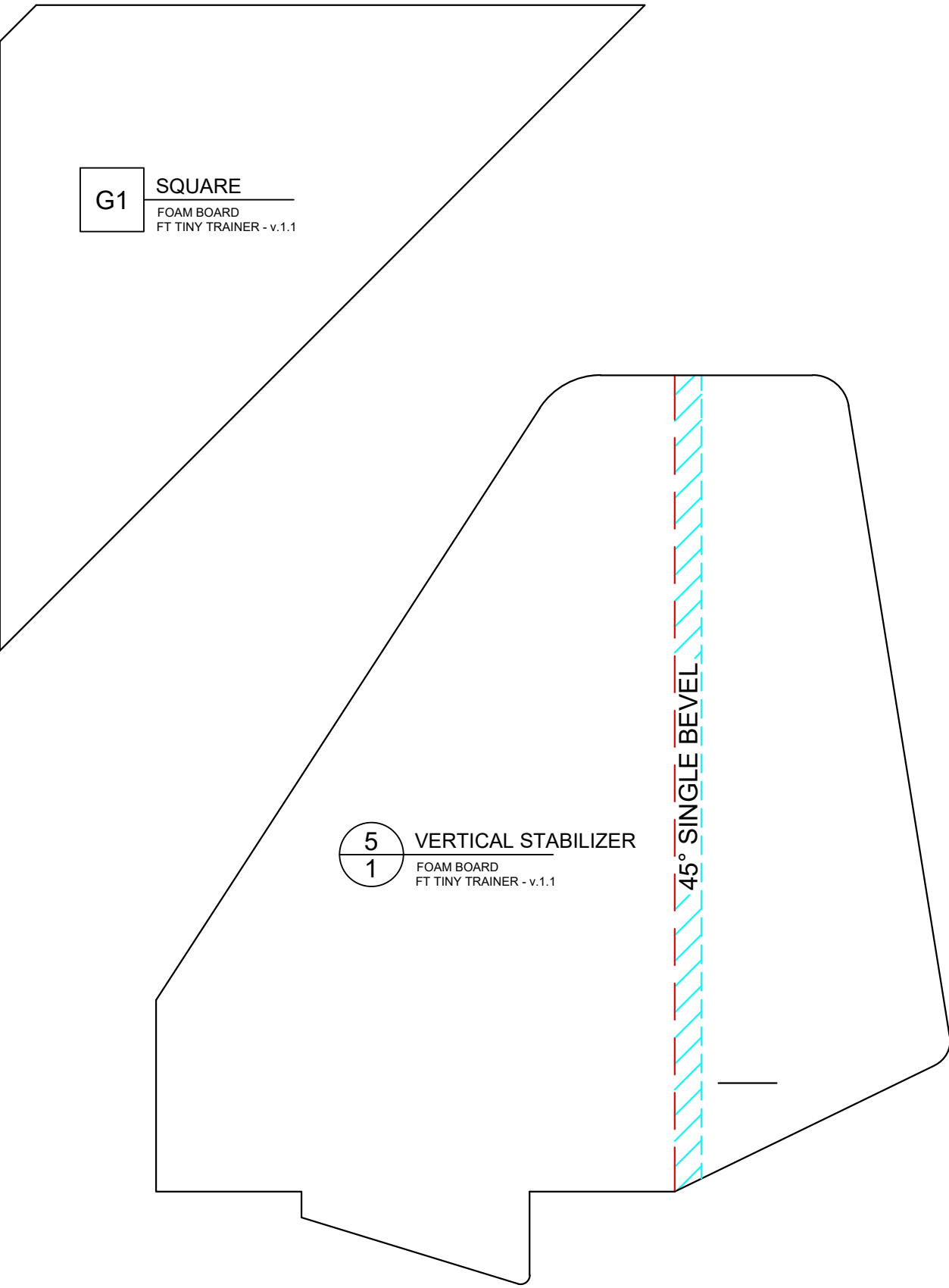
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IN

CM

SHEET 3 OF 3



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