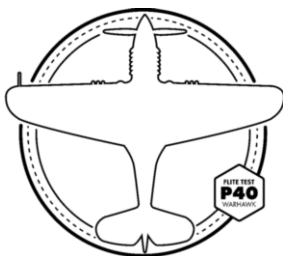




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# FT P-40

Designed By: Andres Lu  
Drawing By: Dan Sponholz  
Version: 1.0  
Date: 2019.04.24



## GENERAL SPECIFICATIONS:

LENGTH:	32.0 in	813 mm
CG:	2.0 in	50.8 mm
WINGSPAN:	41.50 in	1054 mm
WING AREA:	296.7 in <sup>2</sup>	19.1 dm <sup>2</sup>
DRY WEIGHT:	16.5 oz.	468 g
ALL UP WEIGHT:	19.7 oz.	558 g
WING LOADING:	9.56 oz/ft <sup>2</sup>	29.2 g/dm <sup>2</sup>
WCL:	6.7	
THROWS:	12°	
EXPO:	30%	
CHANNELS:	4 [THR   AIL   ELE   RUD]	

## RECOMMENDED ELECTRONICS:

MOTOR:	2218B 1080 kv
PROPELLER:	10 x 4.7
ESC:	35A min.
SERVOS:	4 x 9 g
BATTERY:	2200 mAh 3S



## BUILD SKILL LEVEL:

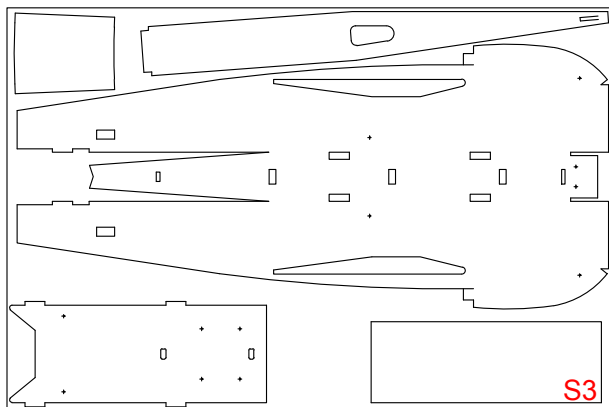
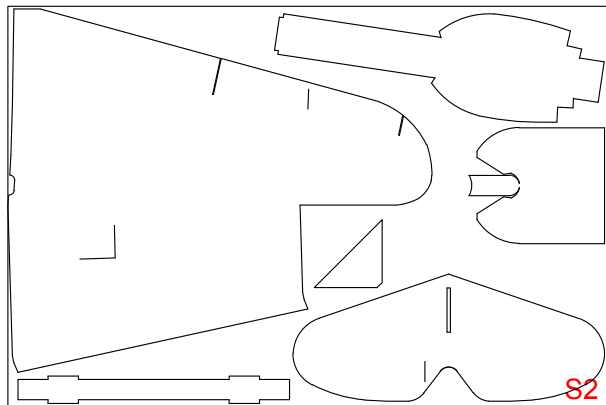
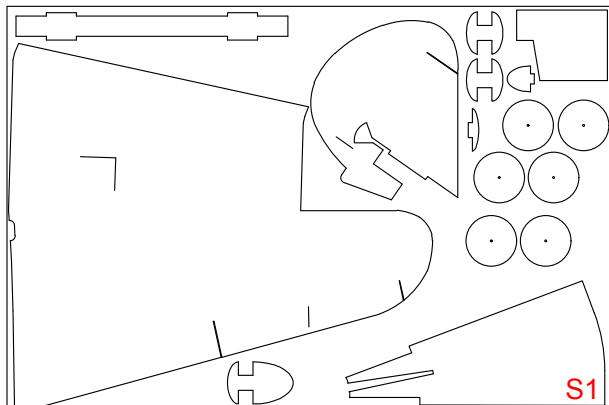


## PILOT SKILL LEVEL:



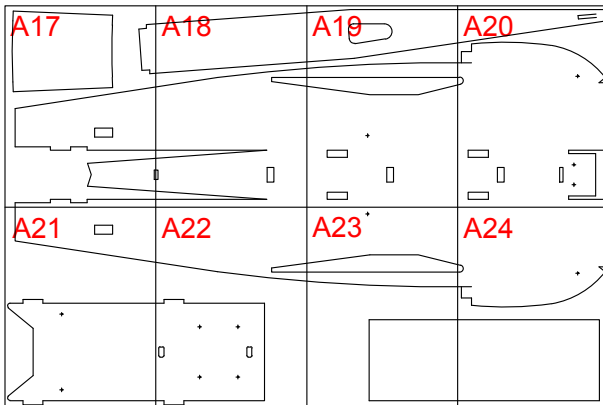
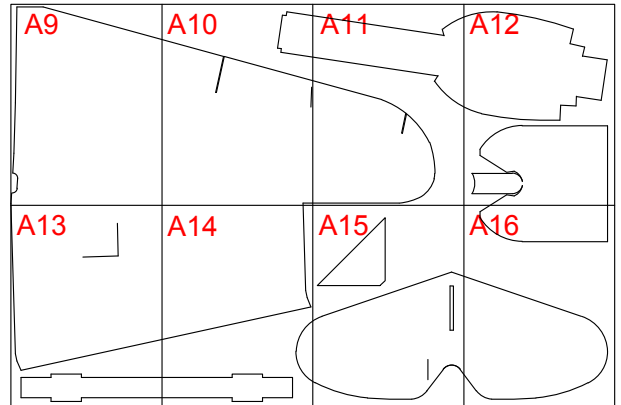
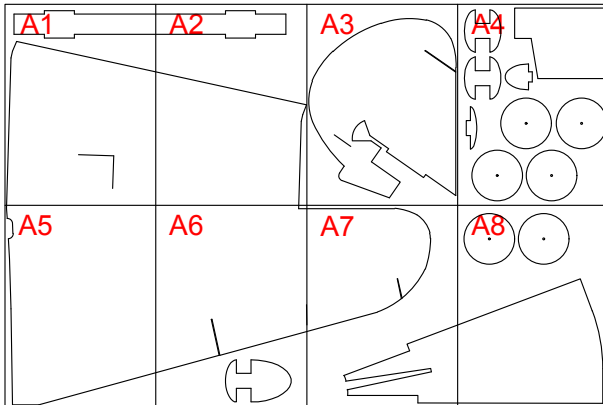


# FT P-40: Full-Size Key



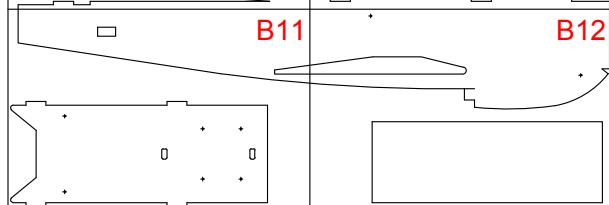
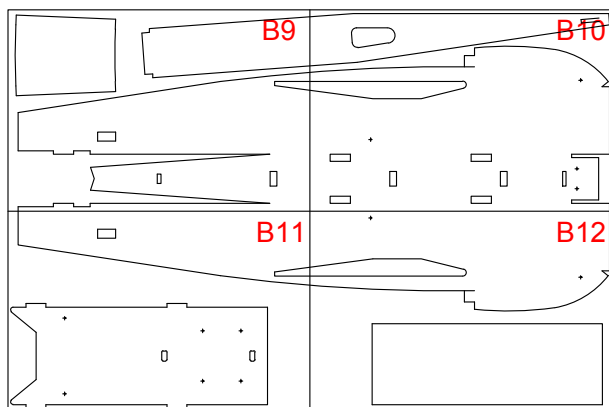
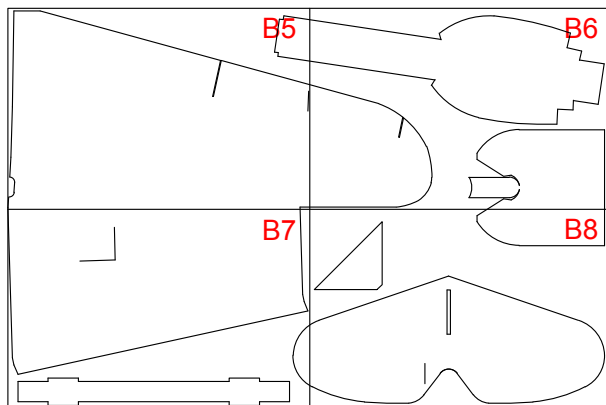
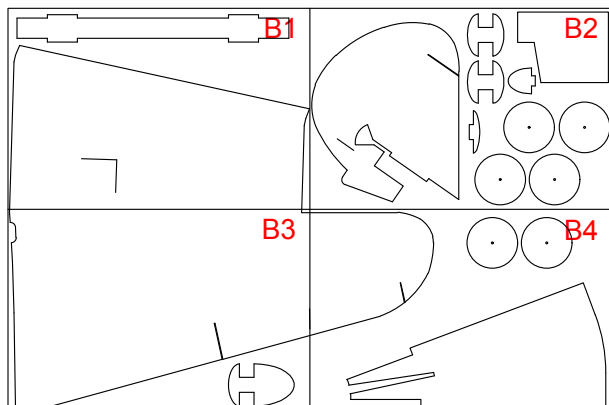


# FT P-40: Tile A Key





## FT P-40: Tile B Key

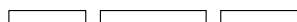
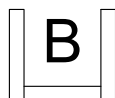
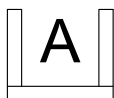




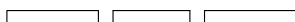
# Drawing Key



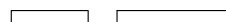
## FOLD TYPES



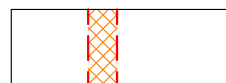
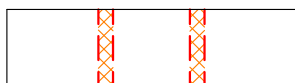
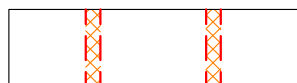
A - FOLD (ABOVE)



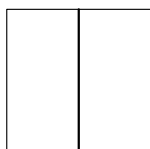
B - FOLD (BESIDE)



C - FOLD (COVER)



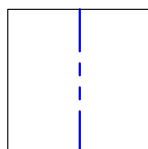
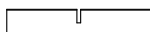
## LINE TYPE/COLOR



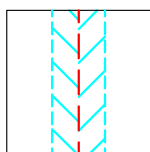
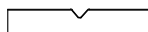
CUT



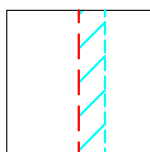
50% SCORE



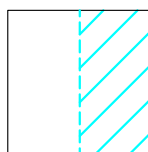
CREASE



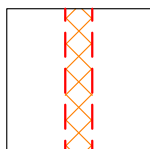
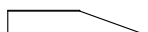
45° DOUBLE  
BEVEL



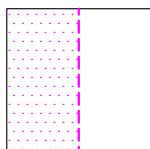
45° SINGLE  
BEVEL



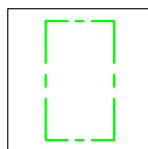
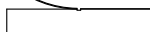
EDGE  
BEVEL



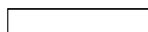
CAVITY



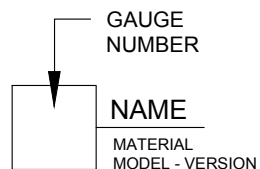
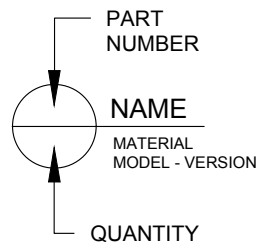
REMOVE  
PAPER



REFERENCE/  
OPTIONAL



## SYMBOLS



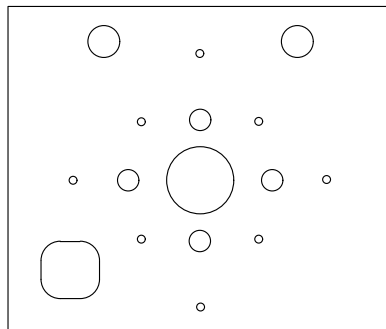
CENTER  
OF  
GRAVITY  
(CG)



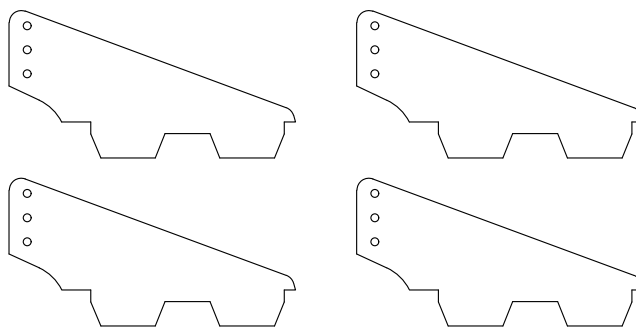
## FT P-40: Wood Parts



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

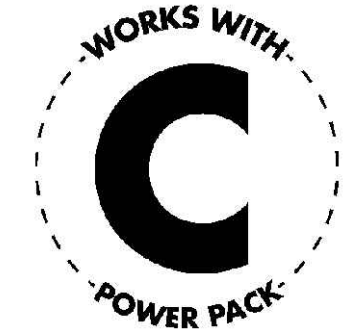
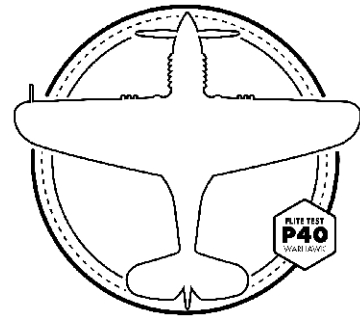


FT SWAPPABLE FIREWALL



FT CONTROL HORNS

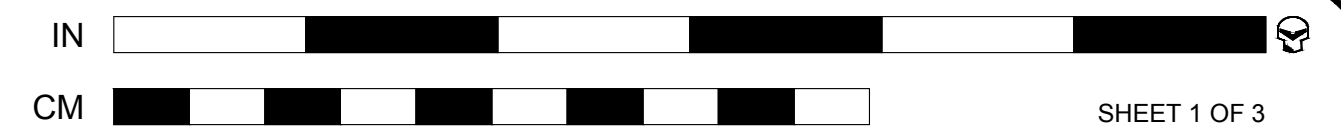
Designed By: Andres Lu  
Drawing By: Dan Sponholz  
Version: 1.0  
Date: 2019.04.24



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SHEET 1 OF 3

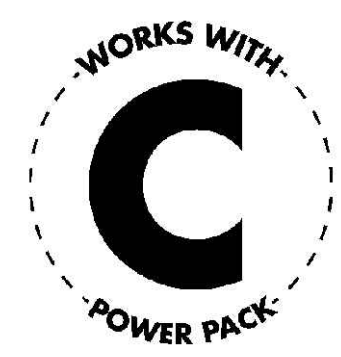
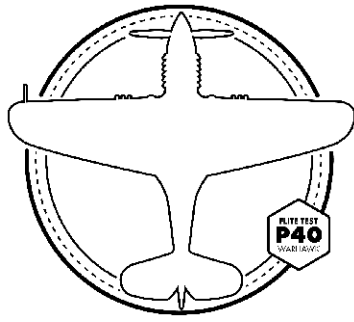
Template Version 6.0

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FT P-40

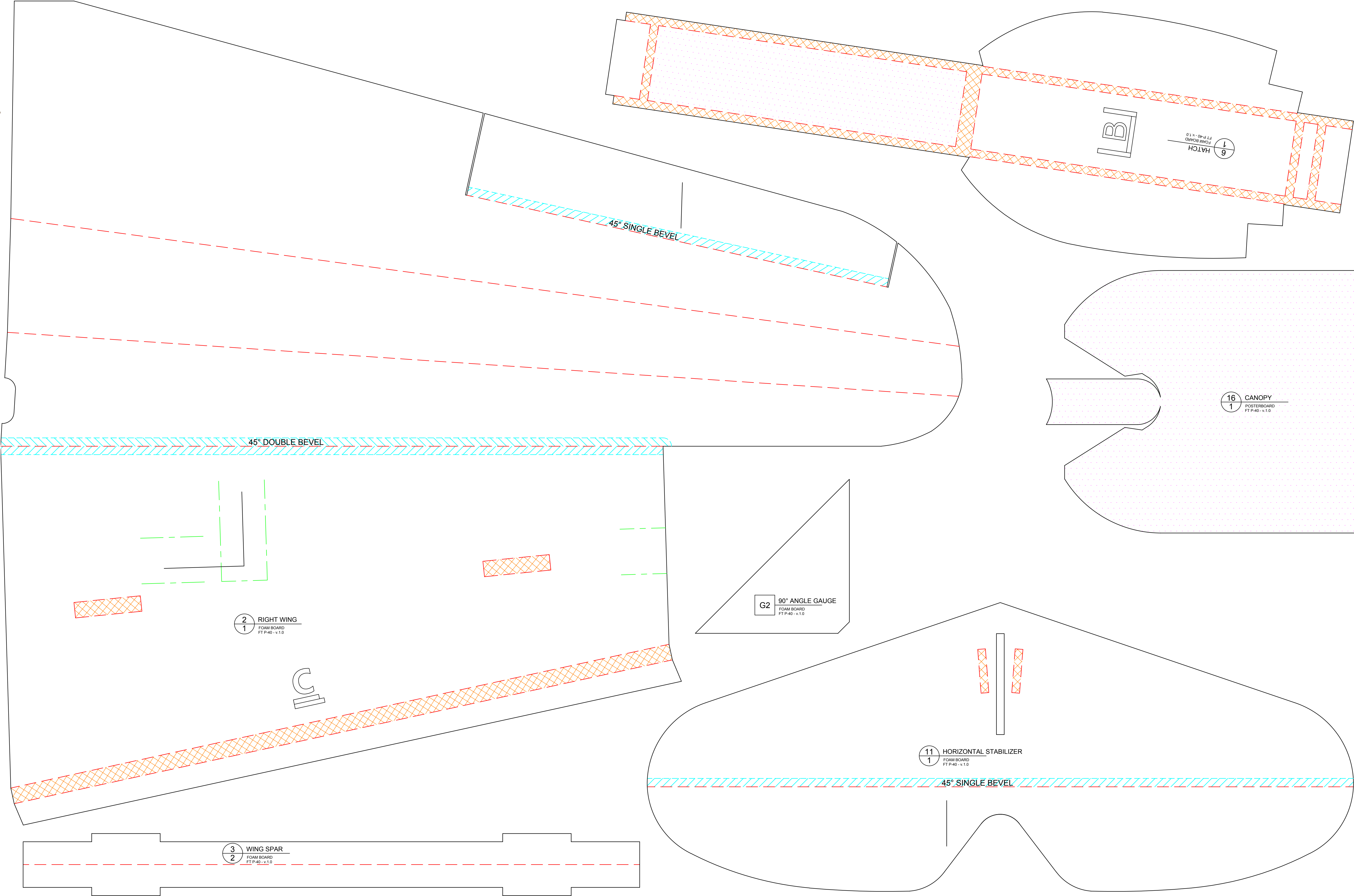
Designed By: Andres Lu  
Drawing By: Dan Sponholz  
Version: 1.0  
Date: 2019.04.24



SPONZ



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2  
1 RIGHT WING  
FOAM BOARD  
FT P-40 - v.1.0

3  
2 WING SPAR  
FOAM BOARD  
FT P-40 - v.1.0

G2 90° ANGLE GAUGE  
FOAM BOARD  
FT P-40 - v.1.0

11  
1 HORIZONTAL STABILIZER  
FOAM BOARD  
FT P-40 - v.1.0

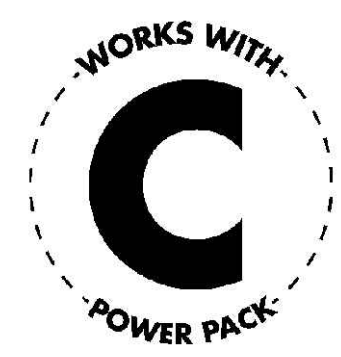
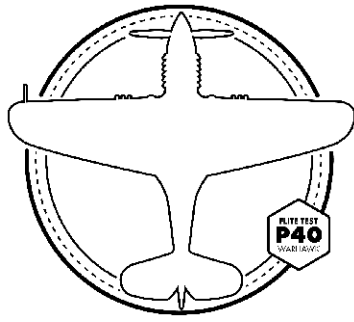
16  
1 CANOPY  
POSTERBOARD  
FT P-40 - v.1.0

7  
9 HATCH  
FOAM BOARD  
FT P-40 - v.1.0



FT P-40

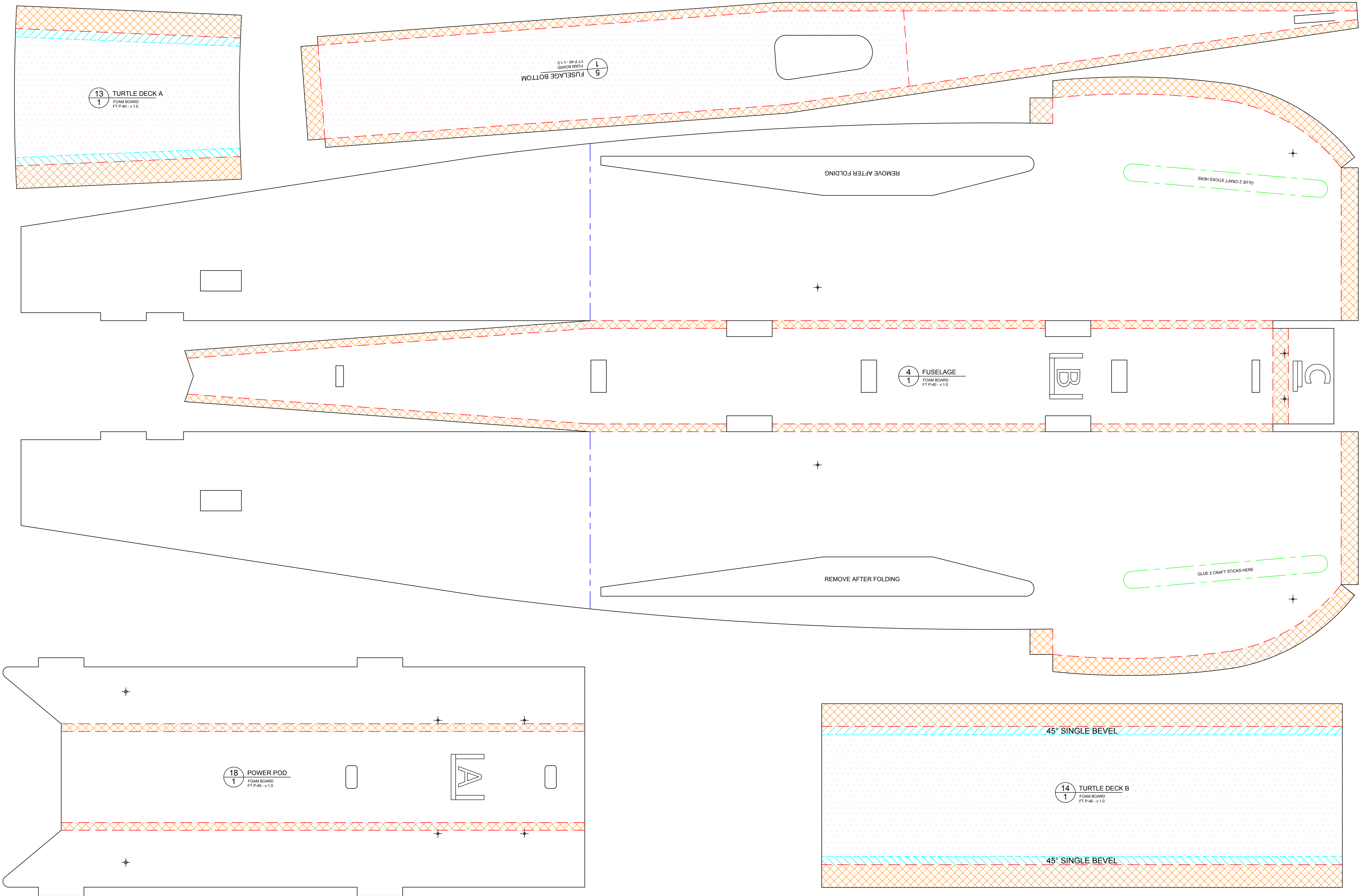
Designed By: Andres Lu  
Drawing By: Dan Sponholz  
Version: 1.0  
Date: 2019.04.24



SPONZ



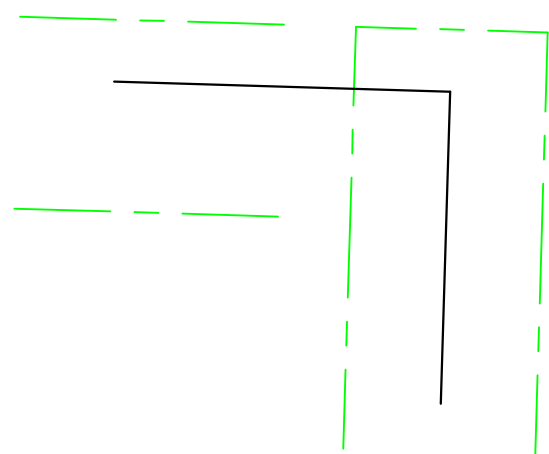
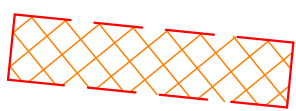
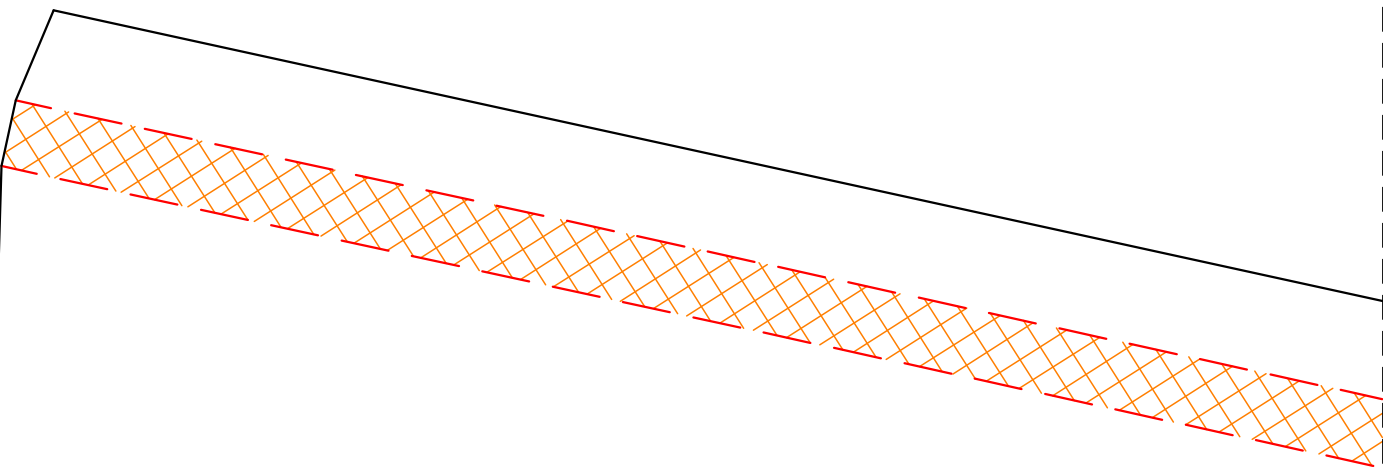
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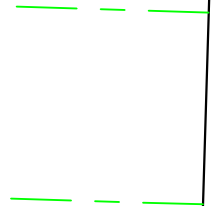
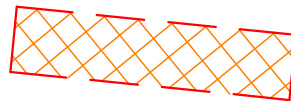
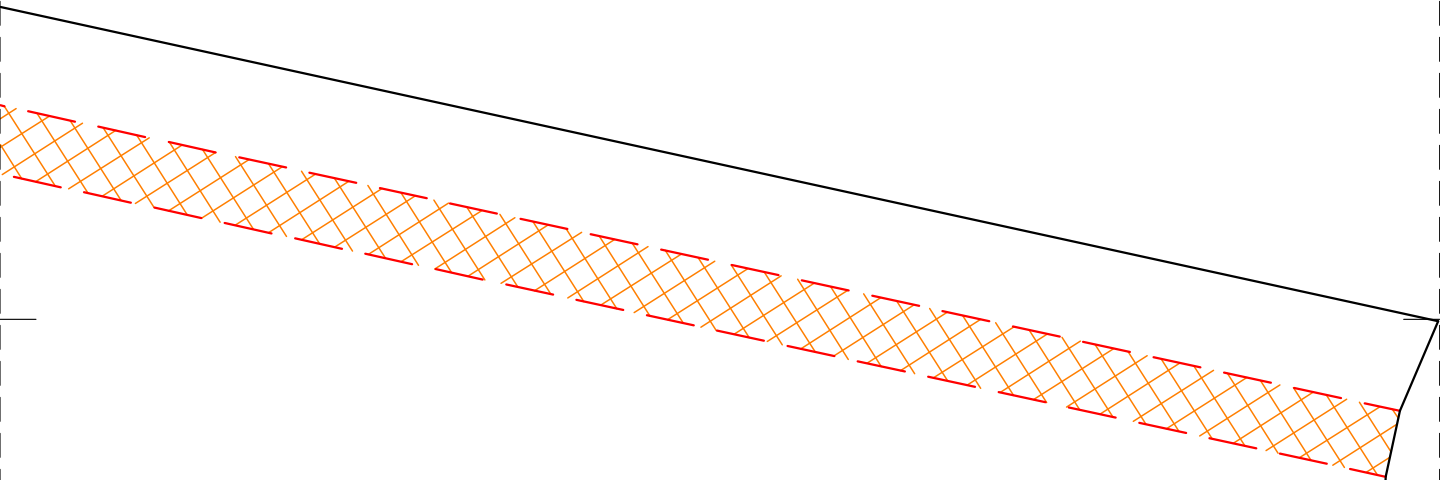
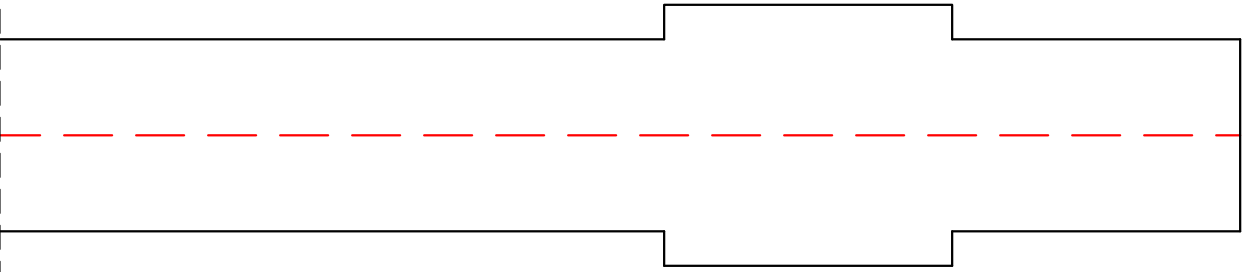
**3**  
**2** **WING SPAR**  
FOAM BOARD  
FT P-40 - v.1.0

15





IN  
CM

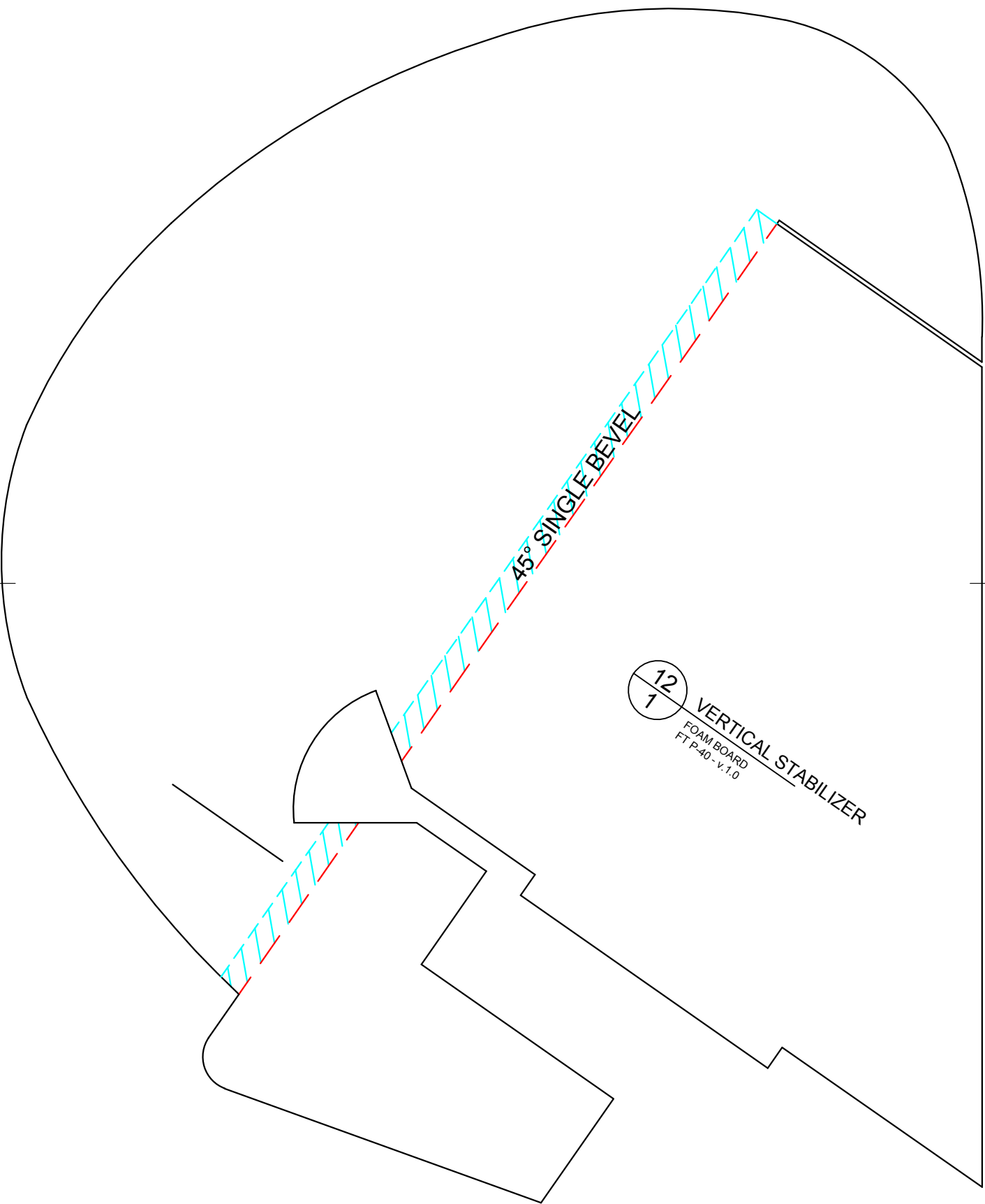


LEFT WING

FOAM BOARD  
FT P-40 - V.1.0



IN  
CM

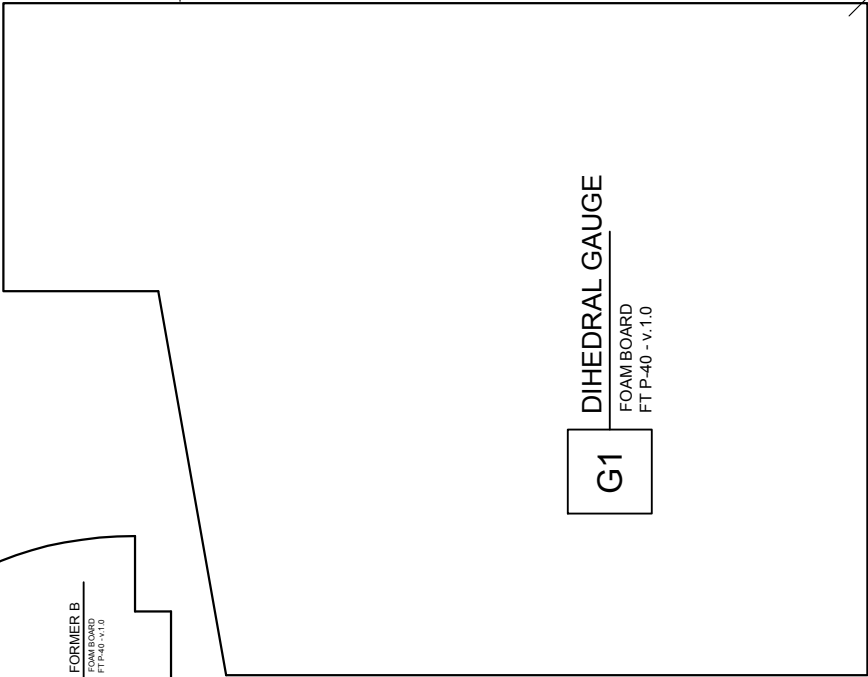
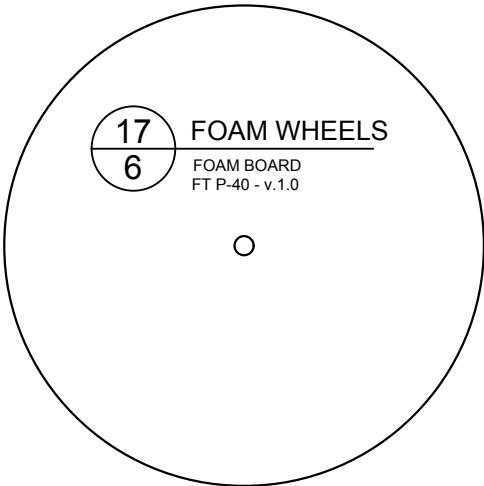
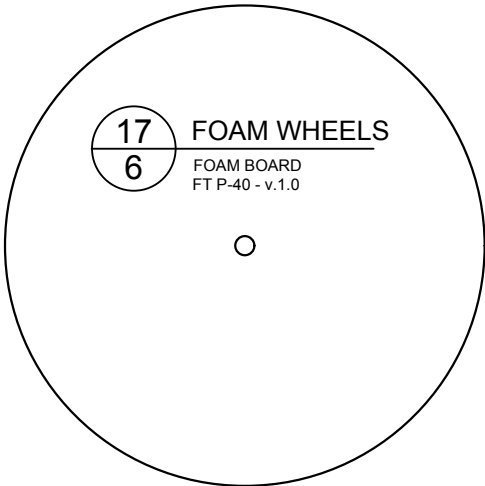
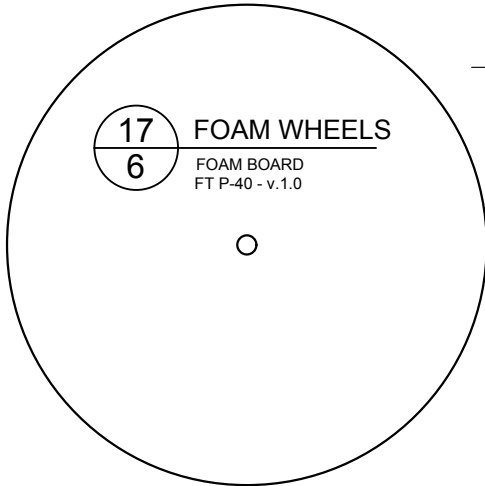
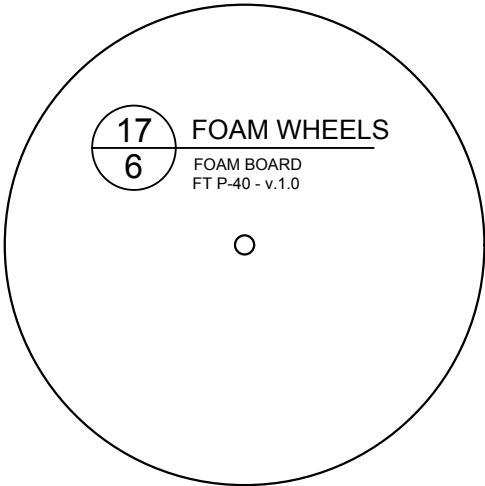
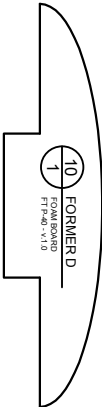
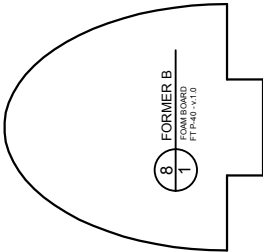
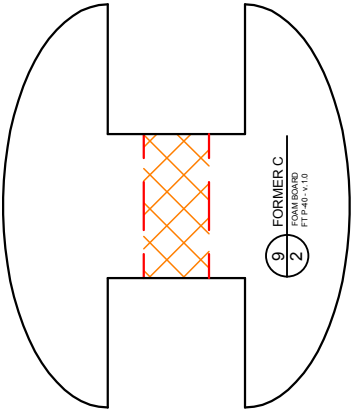
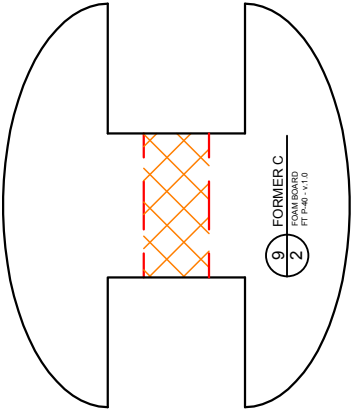


45° SINGLE BEVEL

12  
1 VERTICAL STABILIZER  
FOAM BOARD  
FT P-40 - v.1.0



IN  
CM



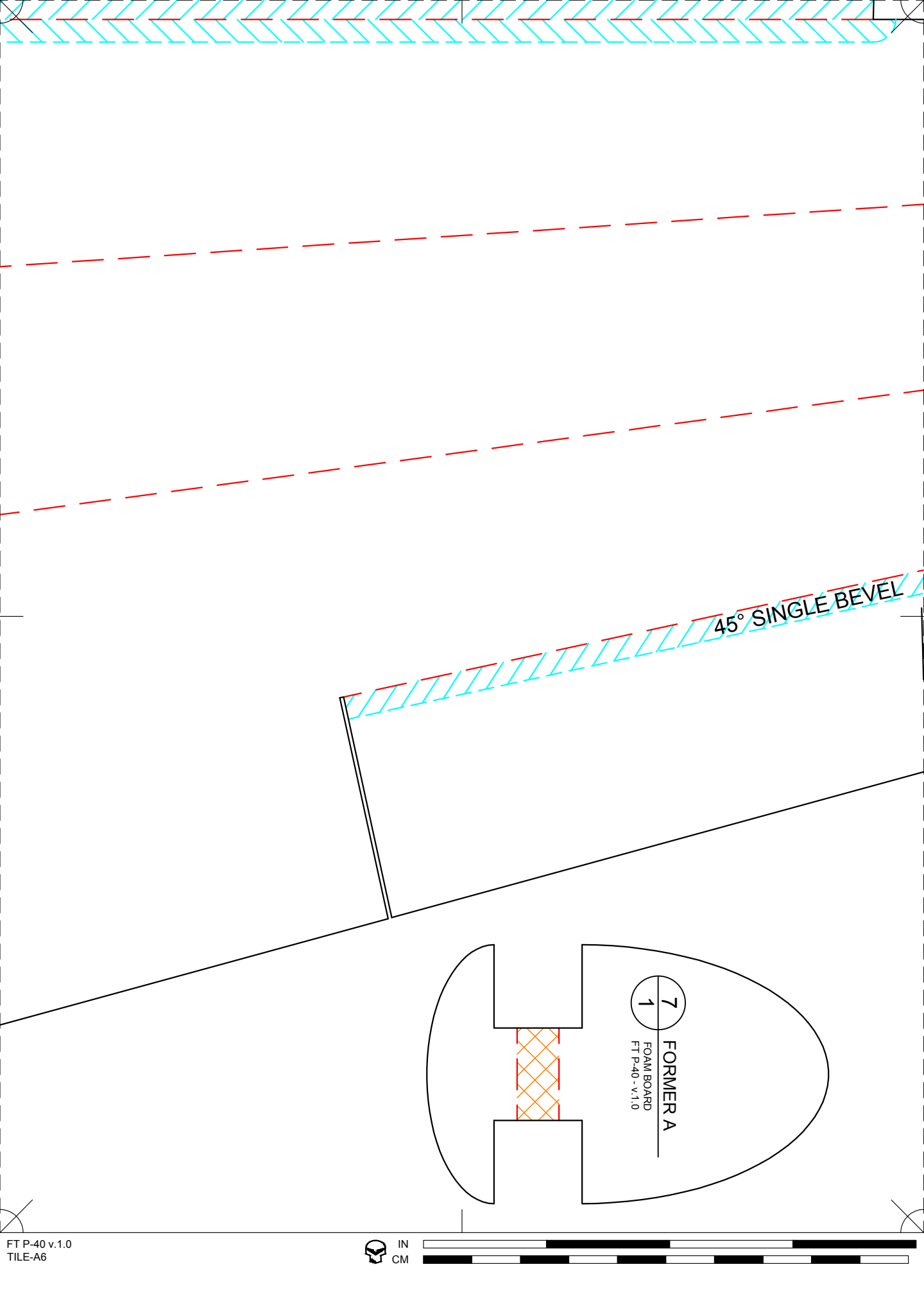
45° DOUBLE BEVEL

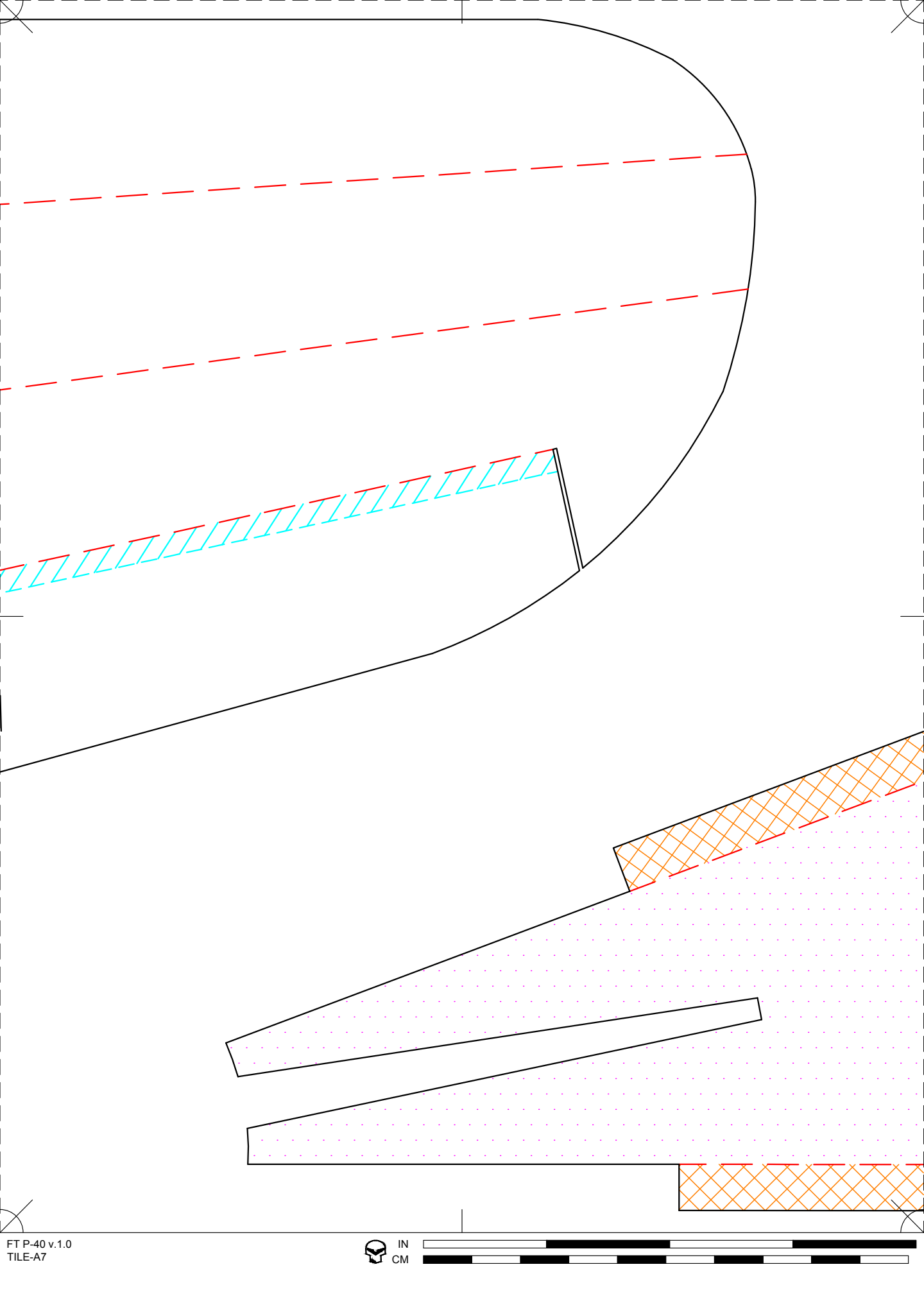


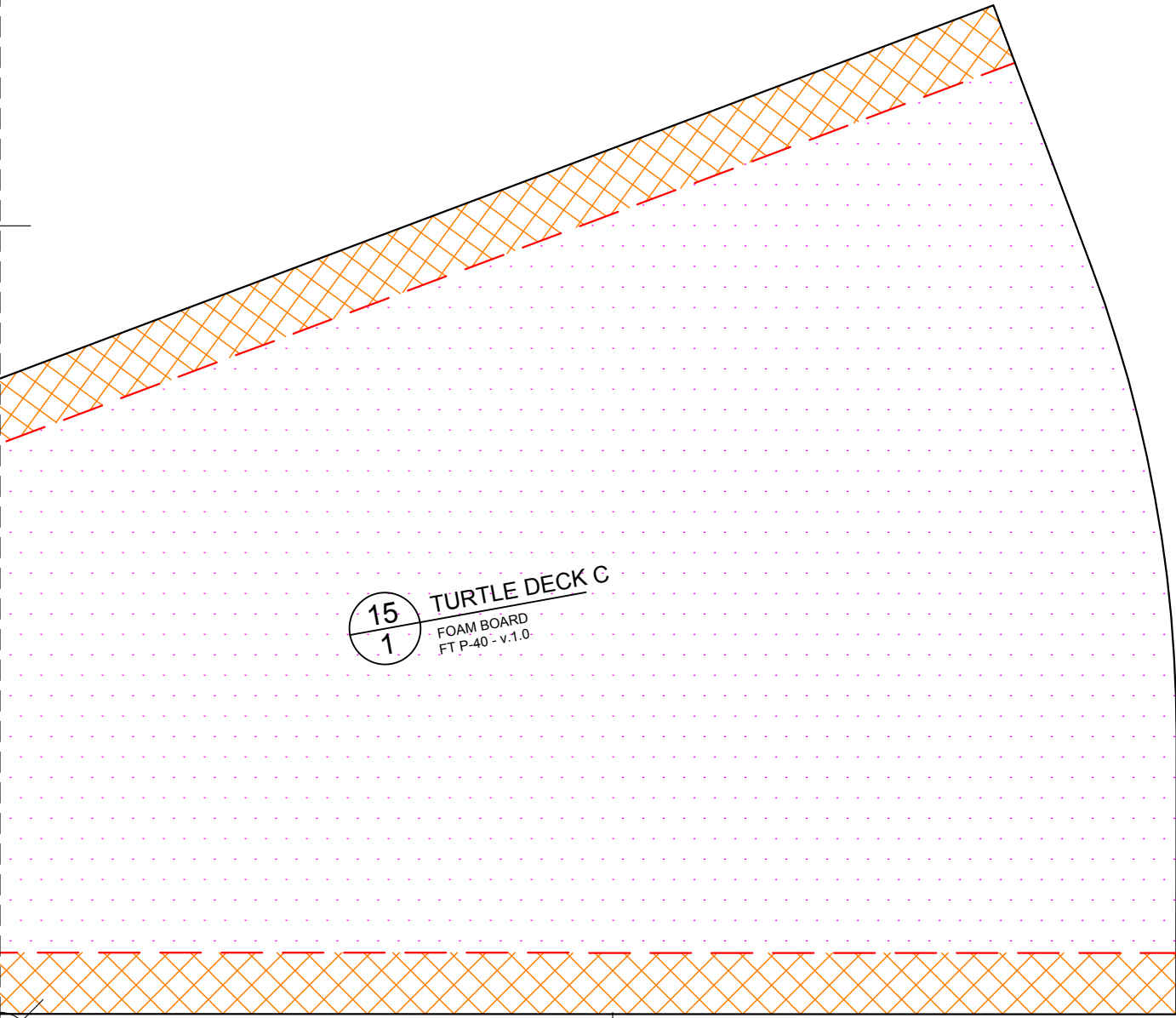
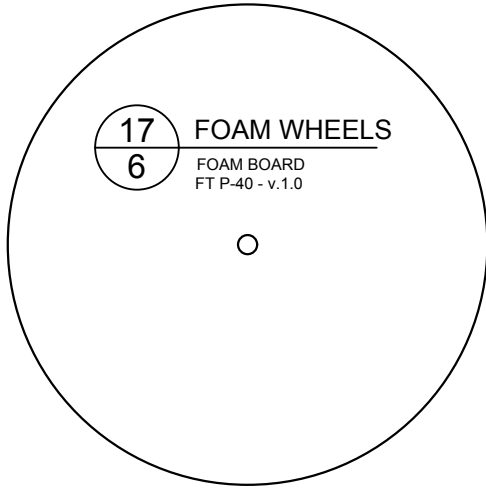
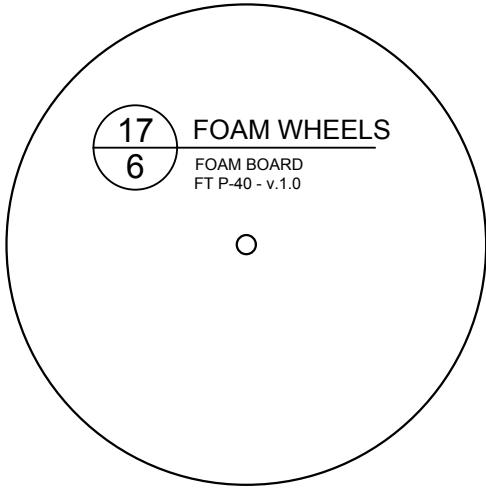
IN  
CM











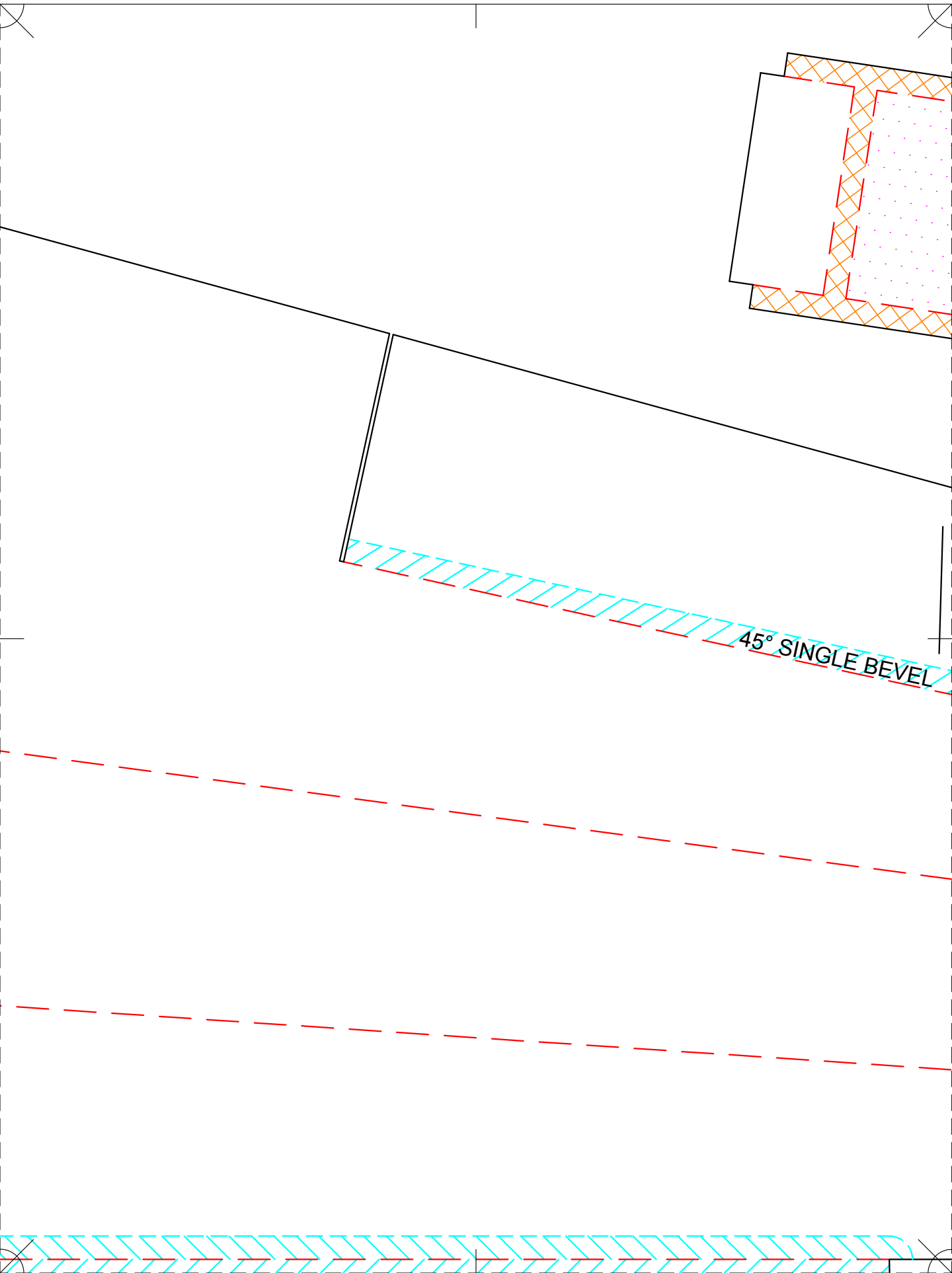


IN  
CM



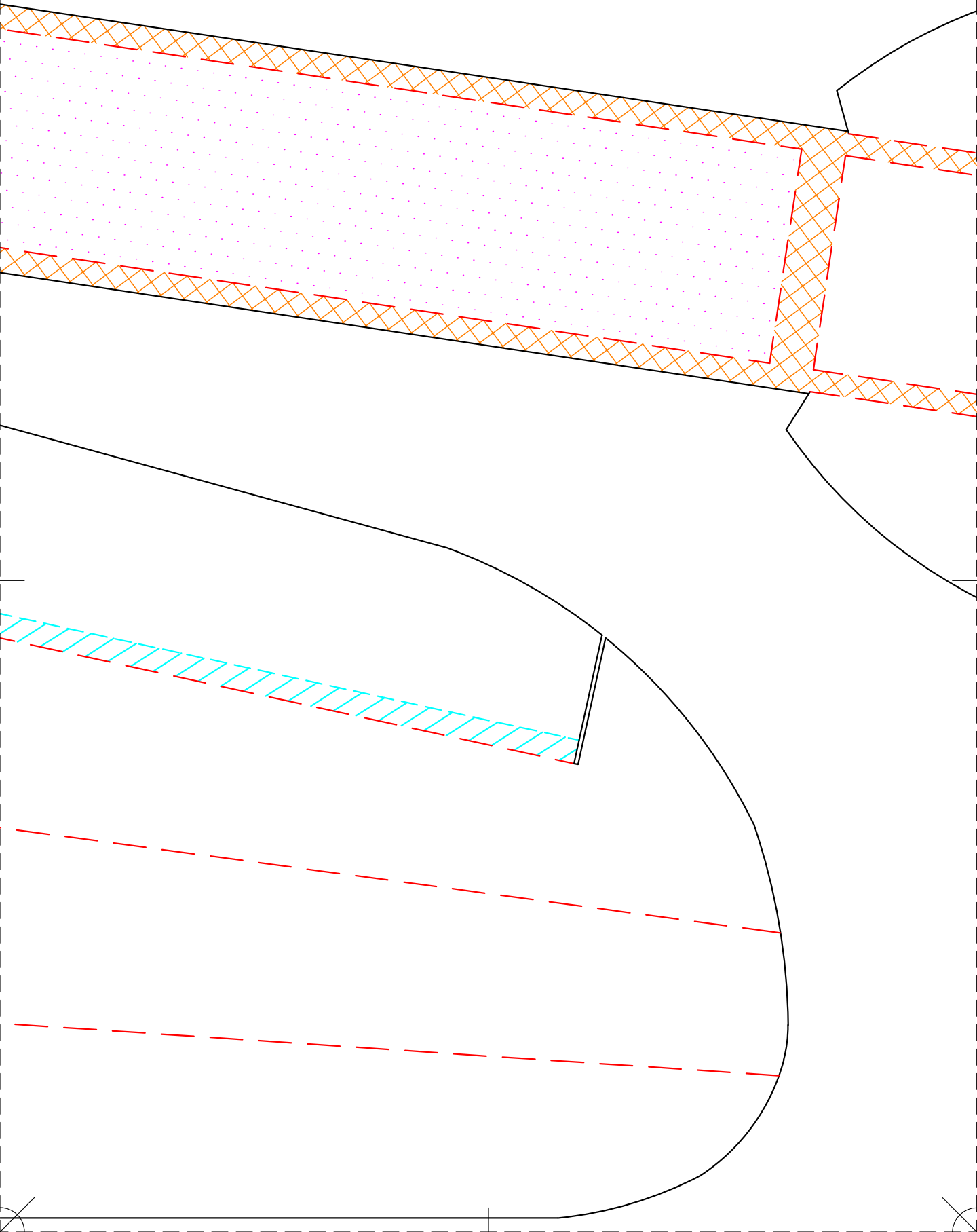


IN  
CM

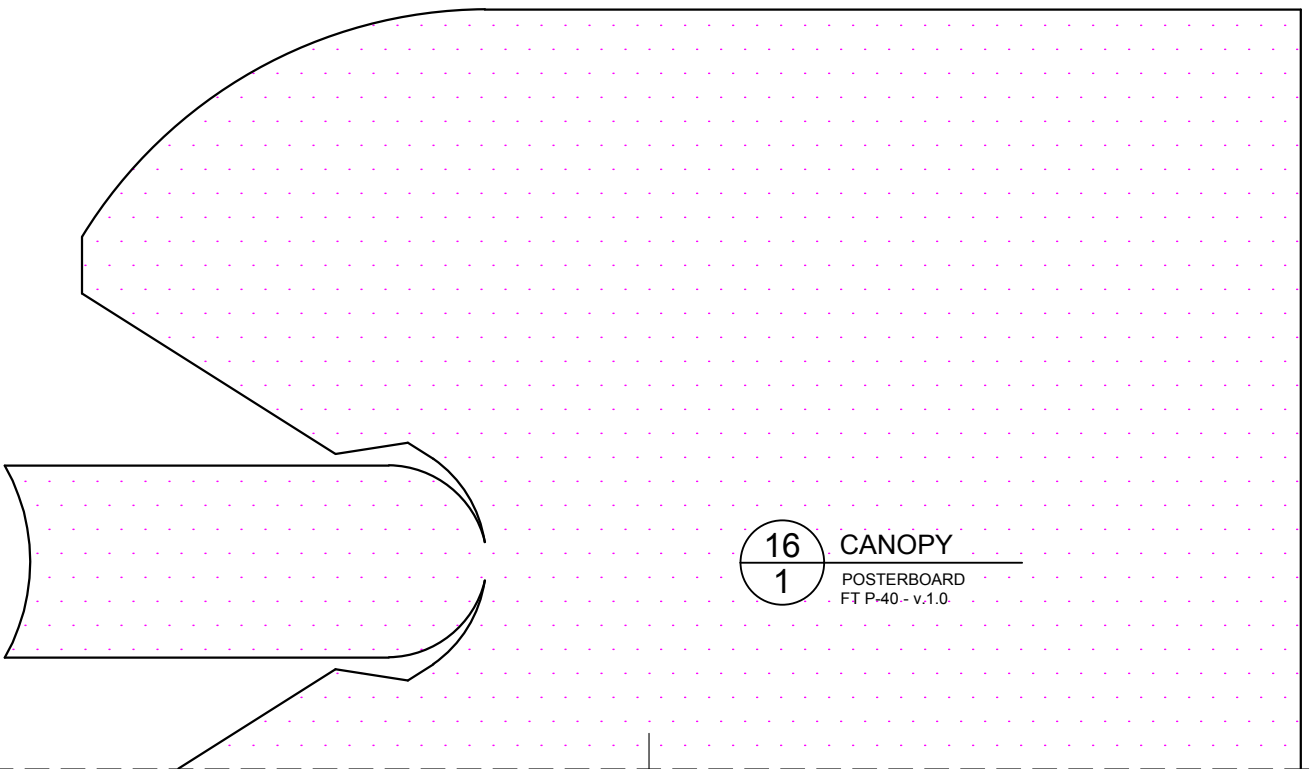
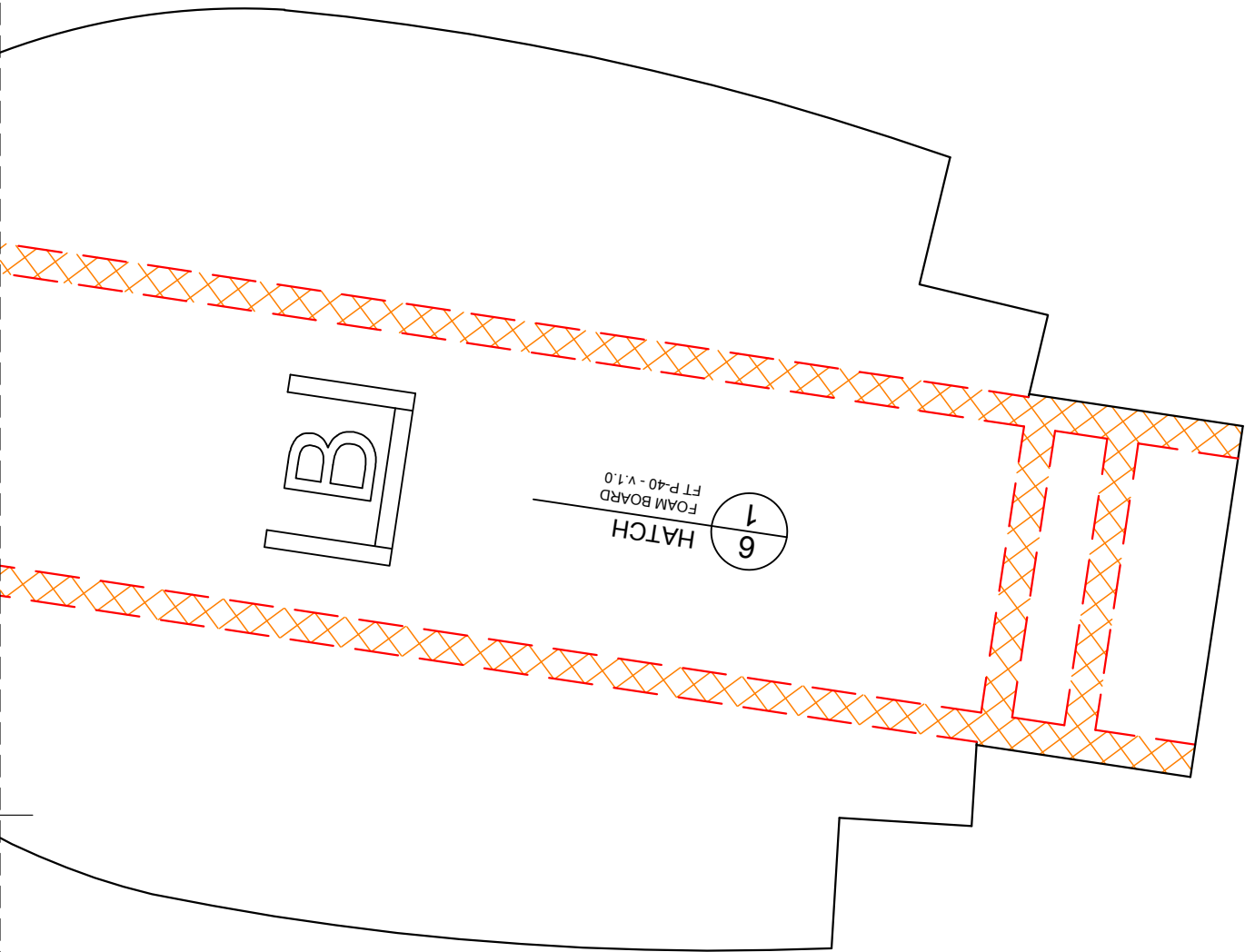




IN  
CM



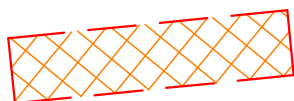




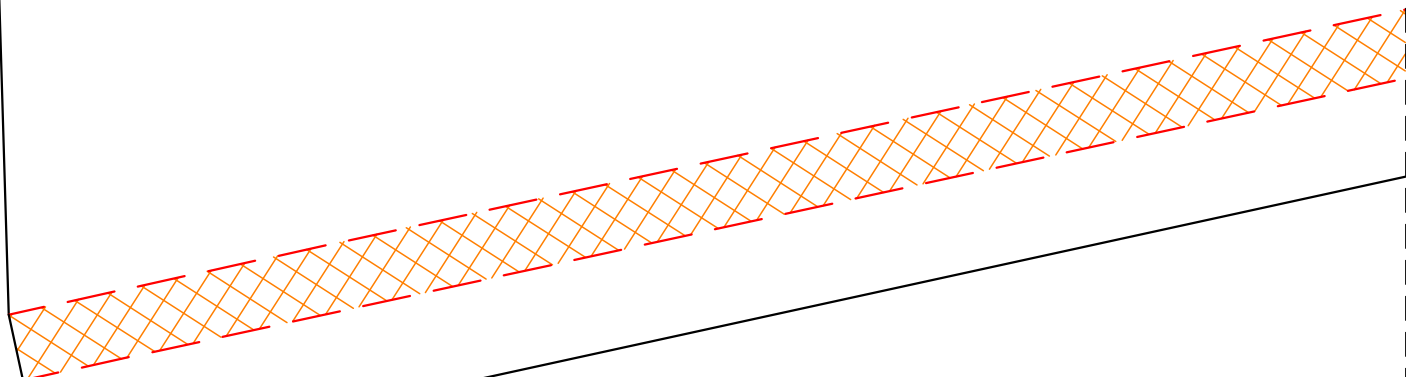
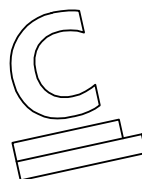
16  
1

CANOPY

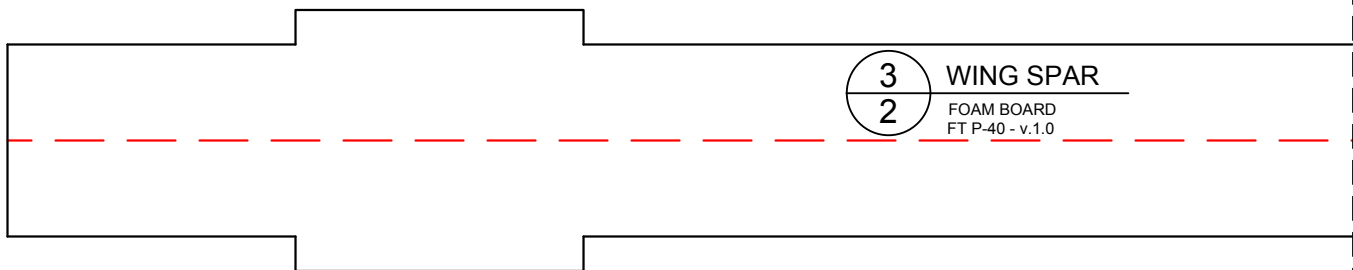
POSTERBOARD  
FT P-40 - v.1.0

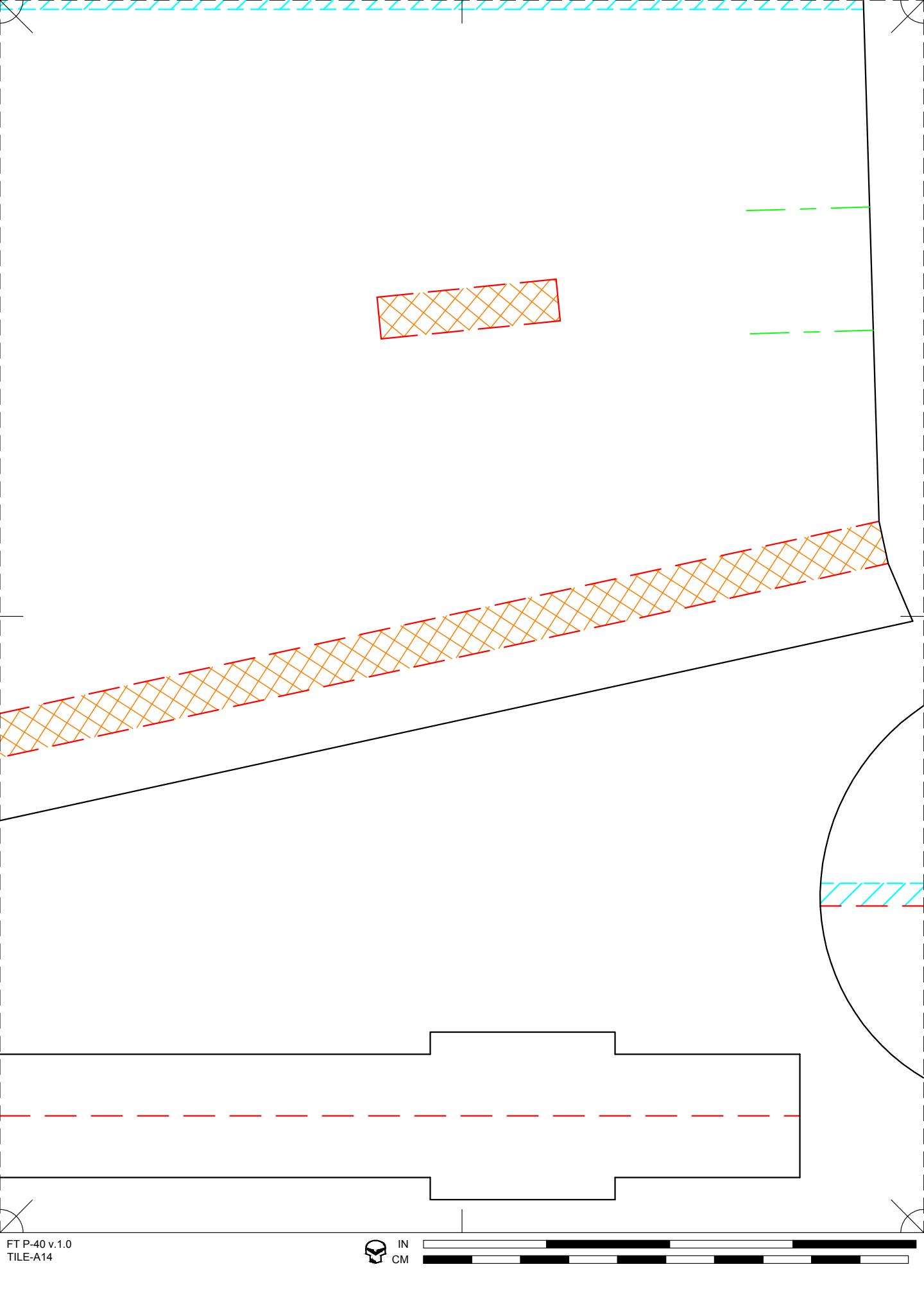


**2** RIGHT WING  
**1** FOAM BOARD  
FT P-40 - v.1.0



**3** WING SPAR  
**2** FOAM BOARD  
FT P-40 - v.1.0

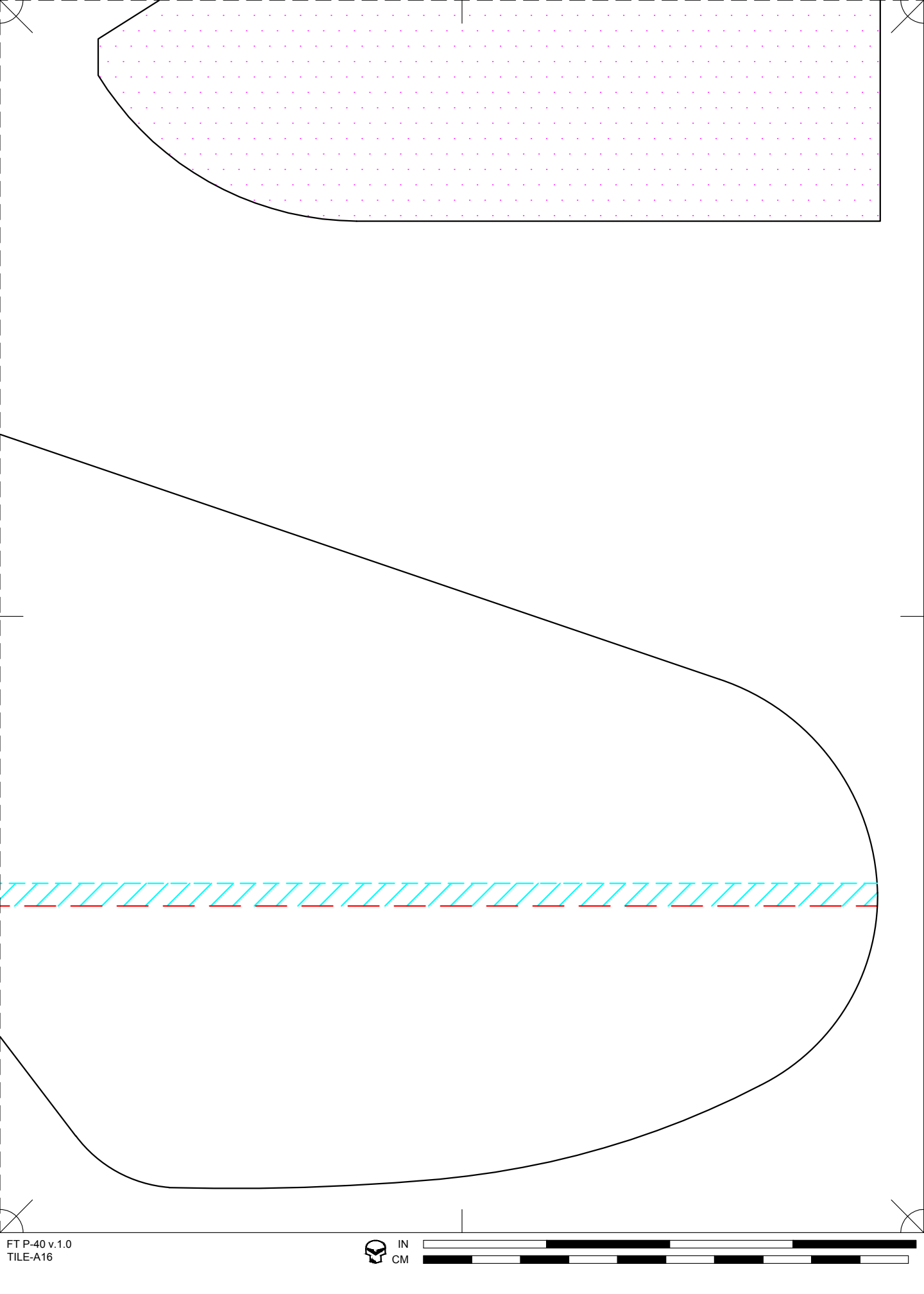


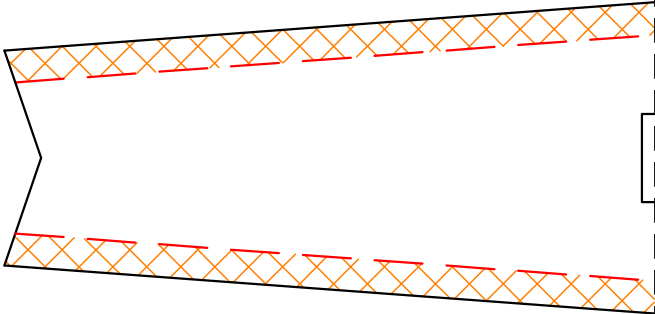
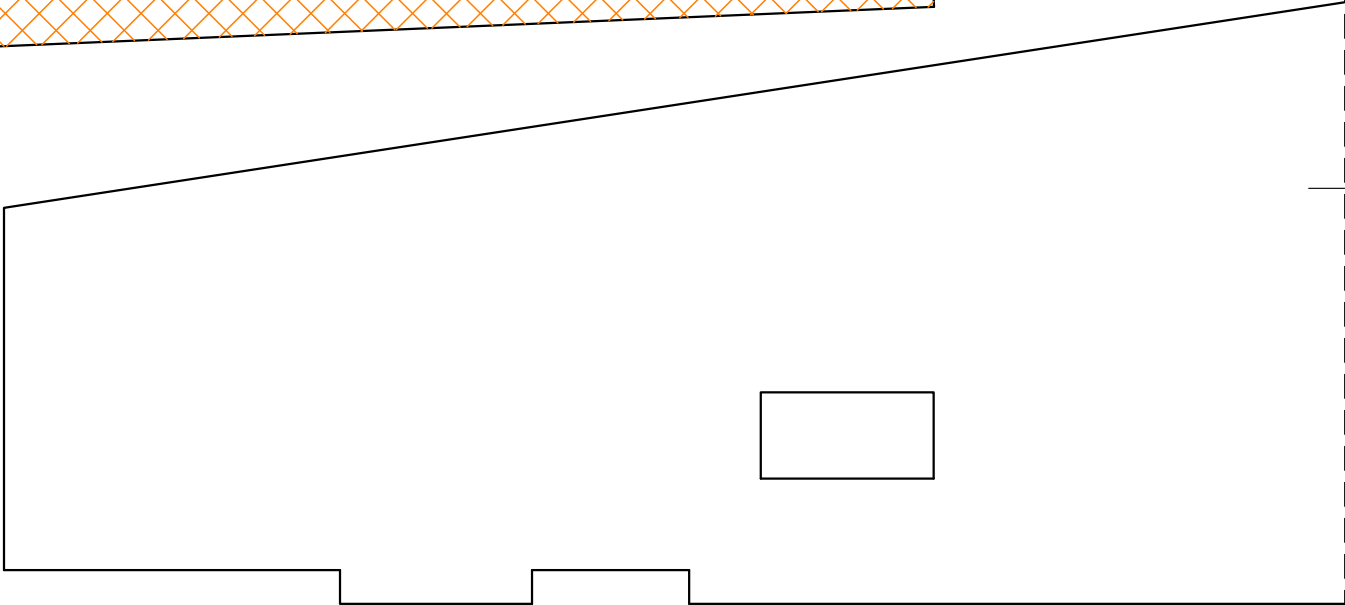
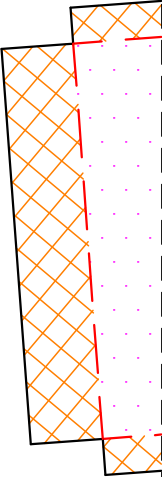
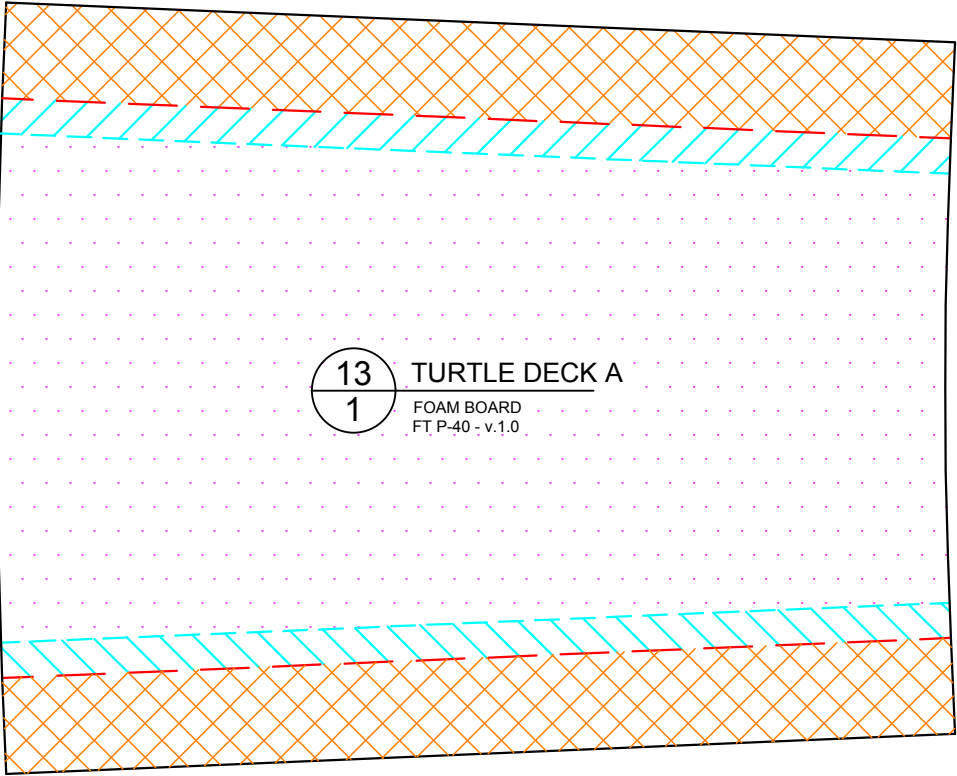


G2 90° ANGLE GAUGE  
FOAM BOARD  
FT P-40 - v.1.0

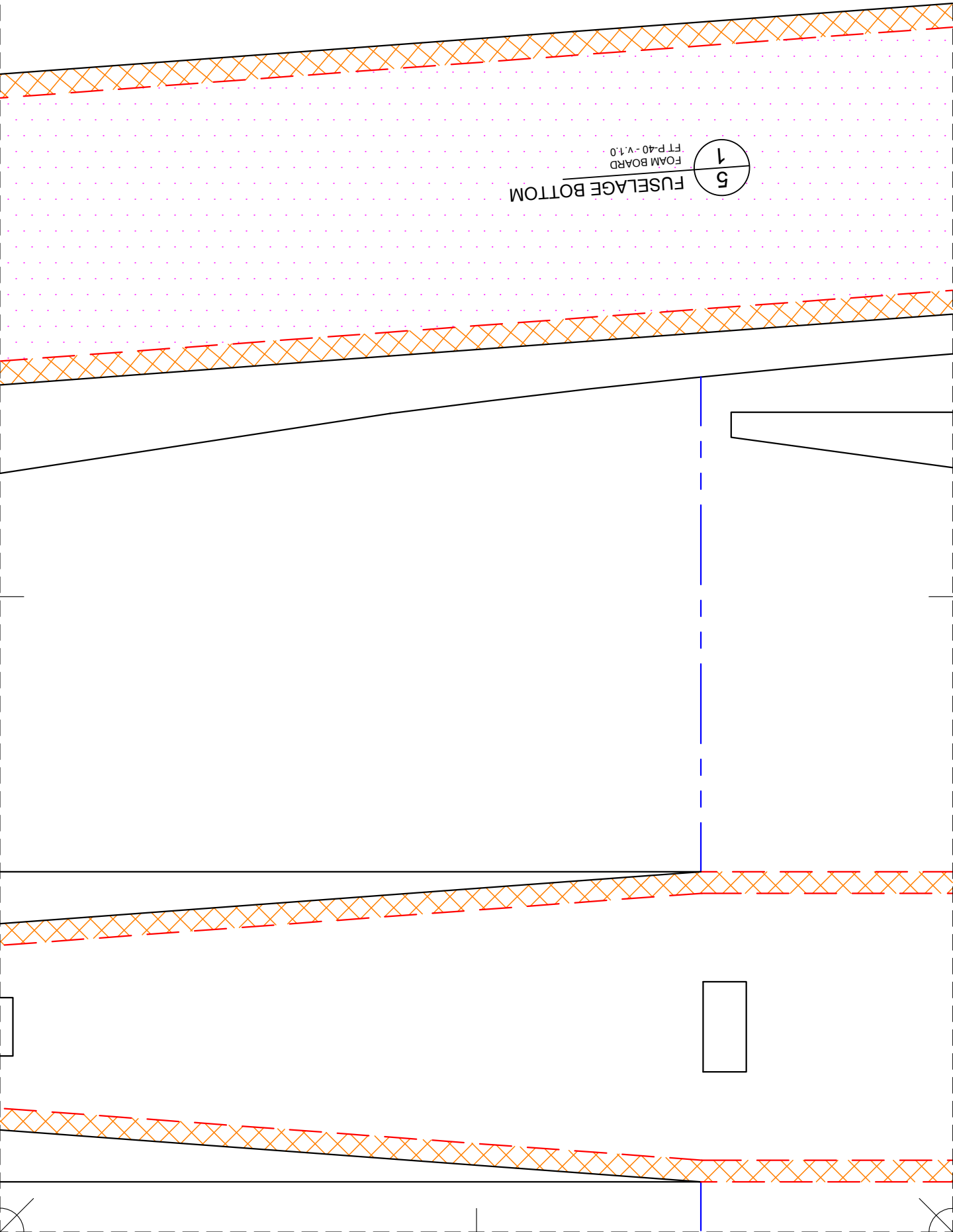
11  
1 HORIZONTAL STABILIZER  
FOAM BOARD  
FT P-40 - v.1.0

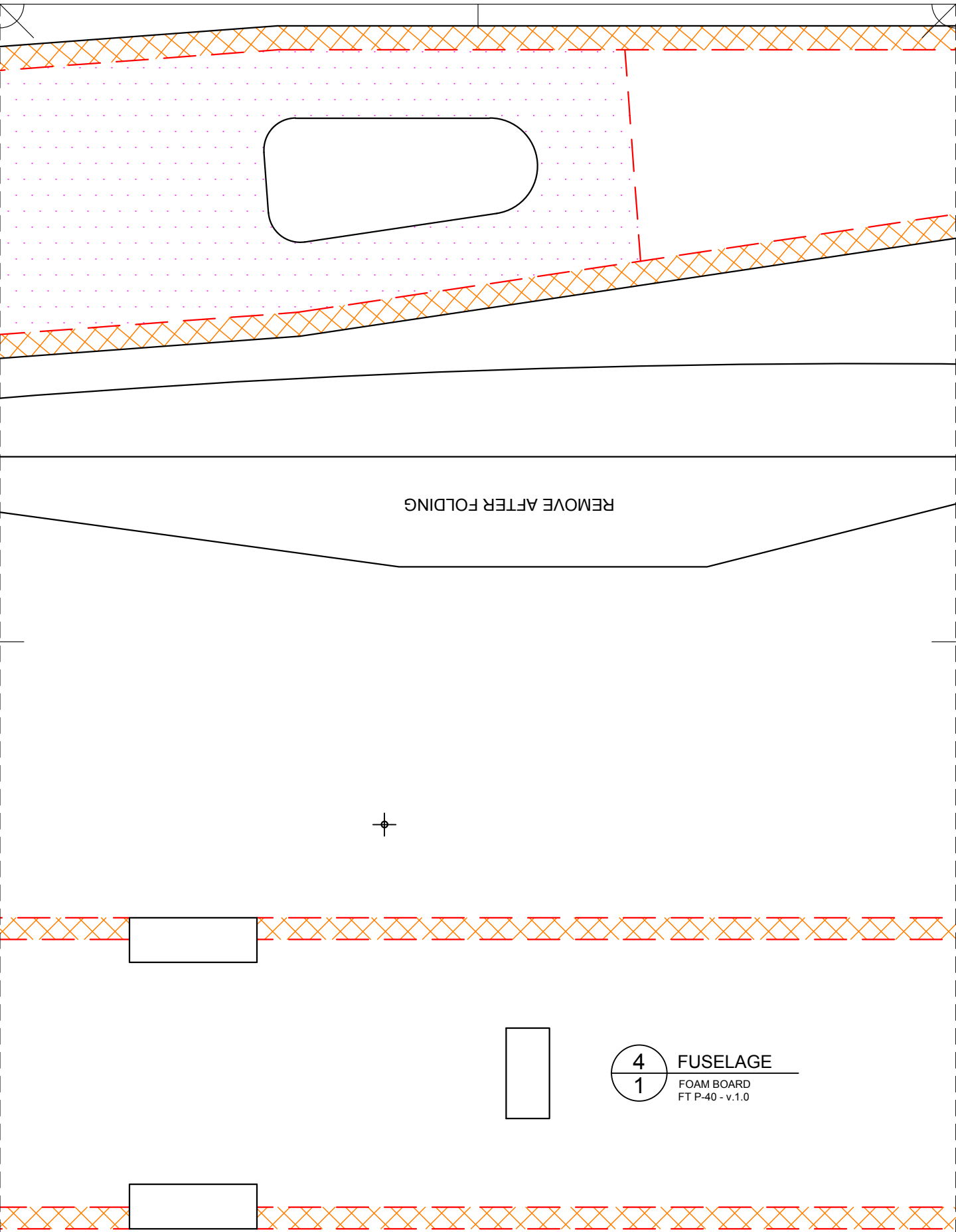
45° SINGLE BEVEL











REMOVE AFTER FOLDING

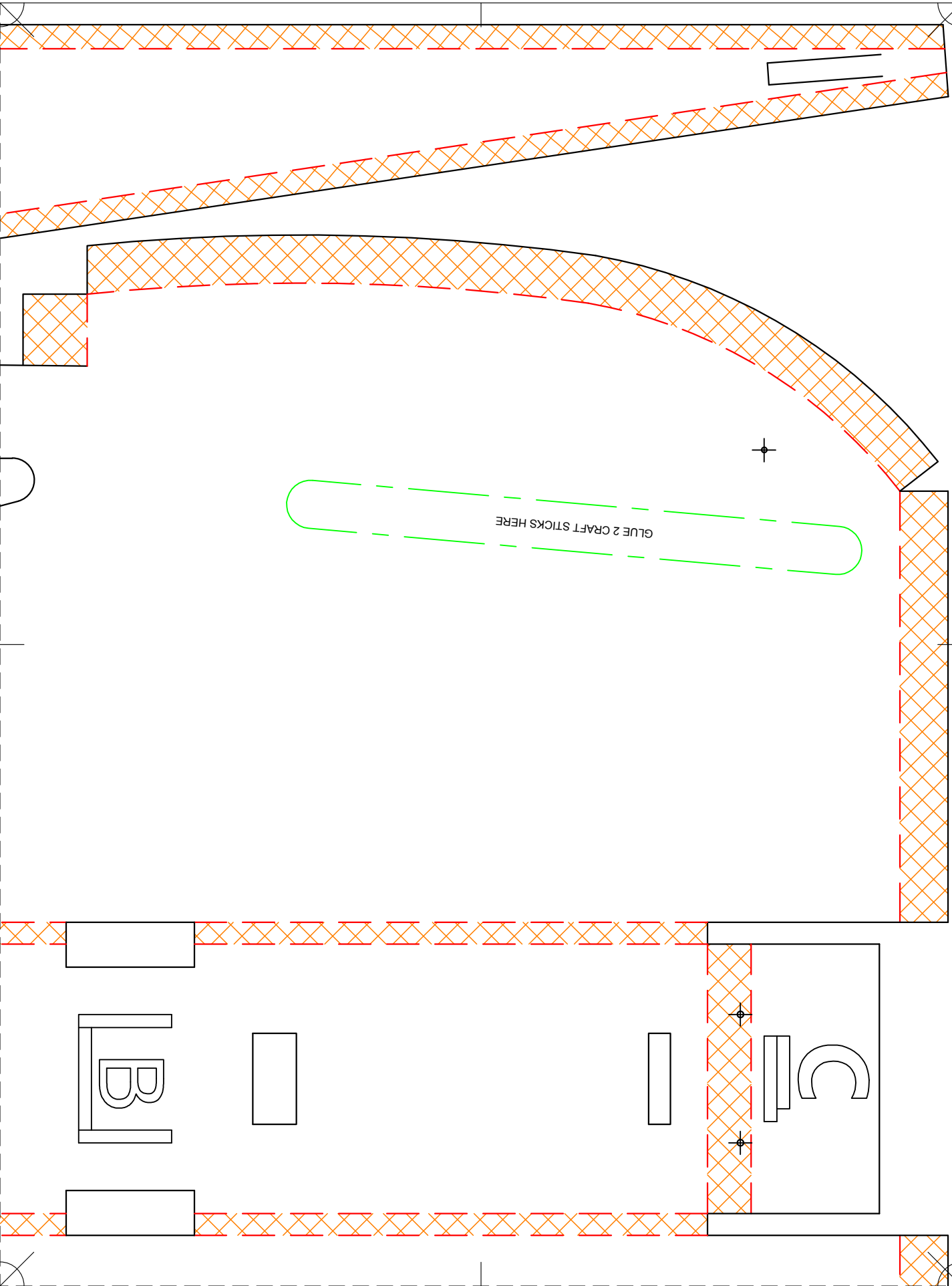


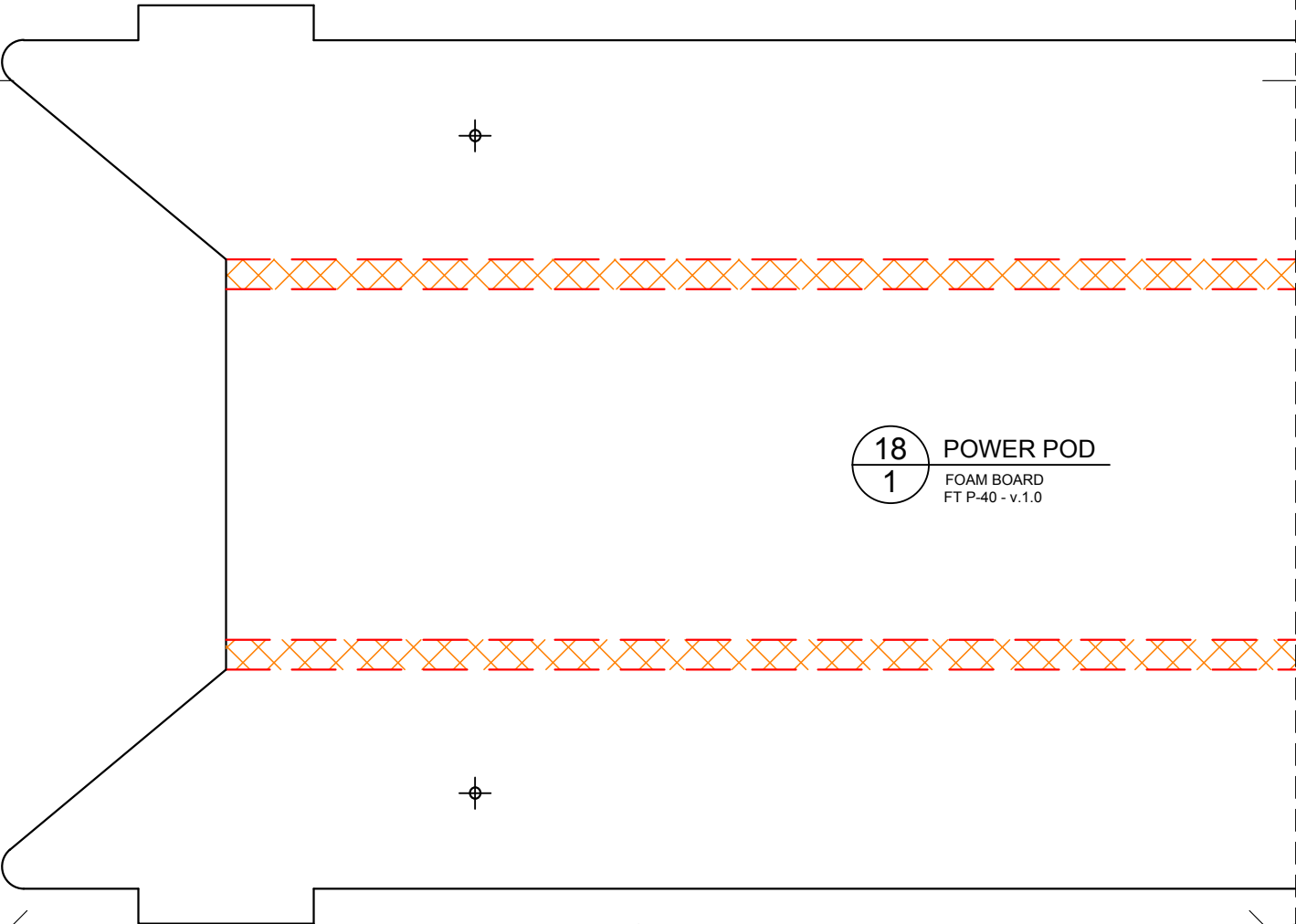
FUSELAGE

FOAM BOARD  
FT P-40 - v.1.0

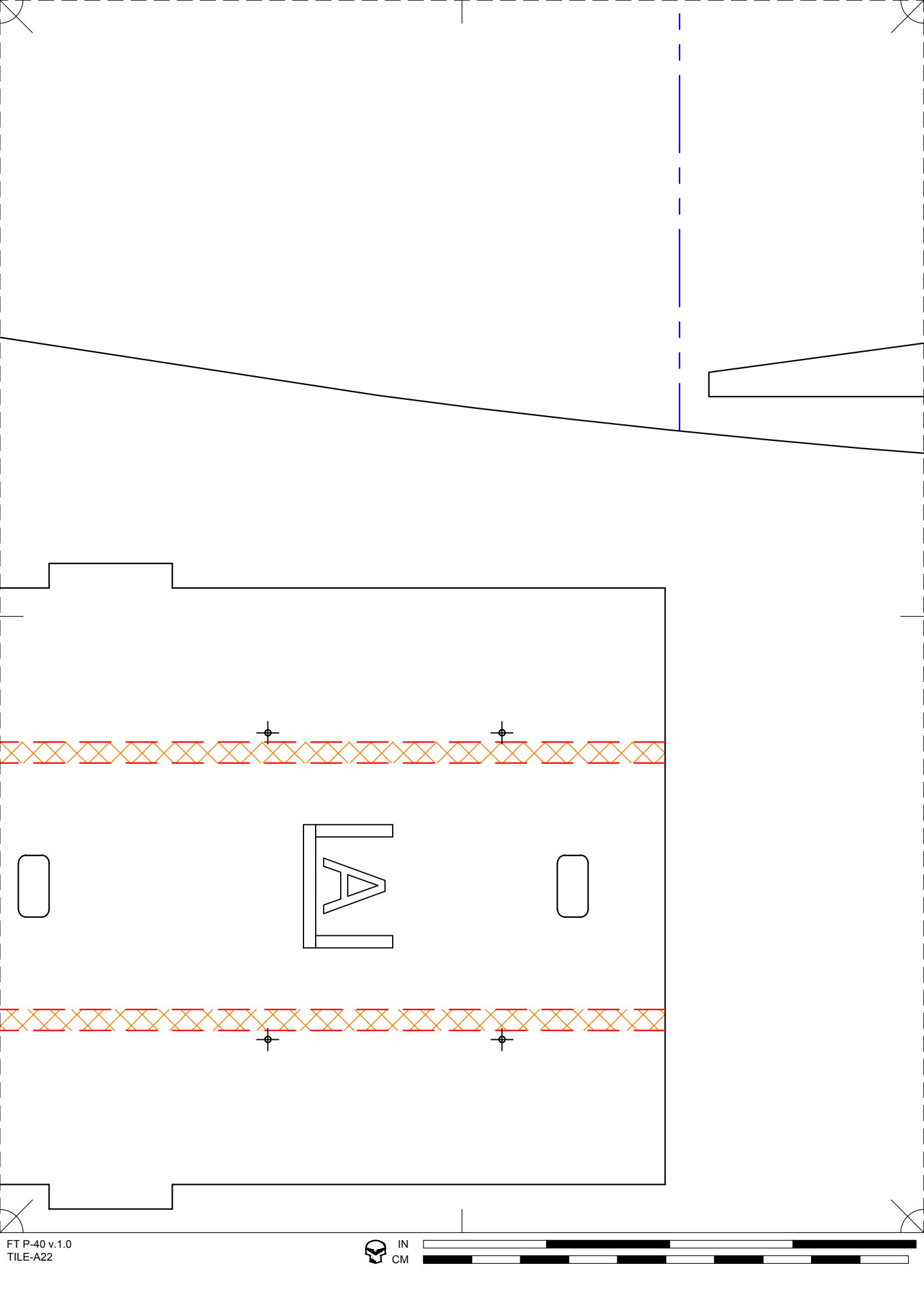


IN  
CM

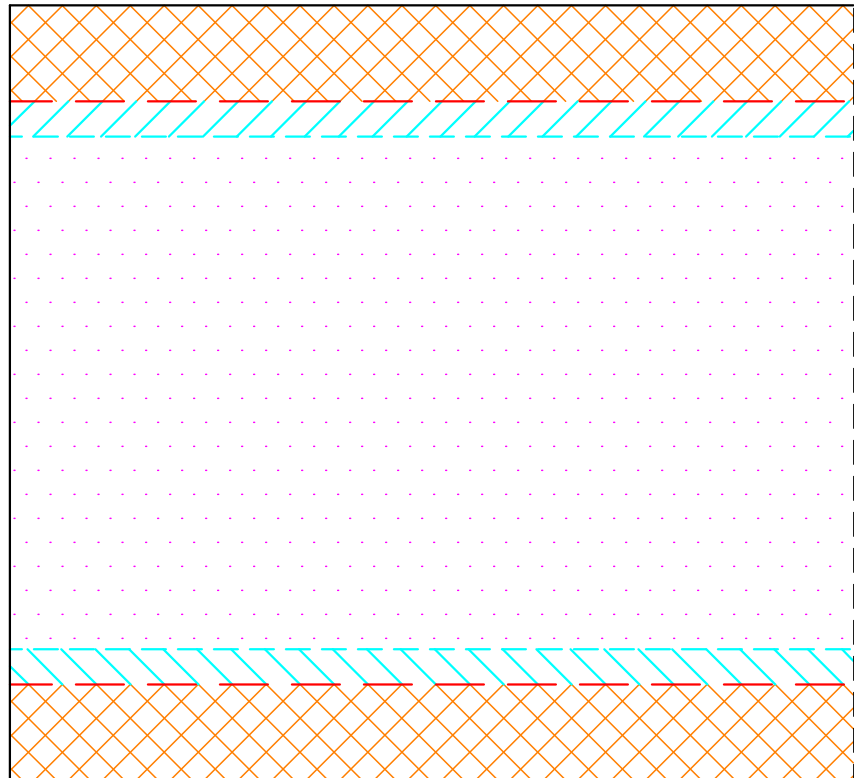




18 POWER POD  
1 FOAM BOARD  
FTP-40 - v.1.0



REMOVE AFTER FOLDING







GLUE 2 CRAFT STICKS HERE



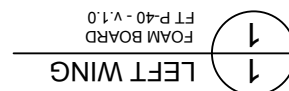
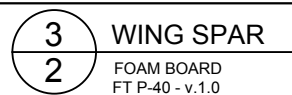
45° SINGLE BEVEL

14  
1

**TURTLE DECK B**

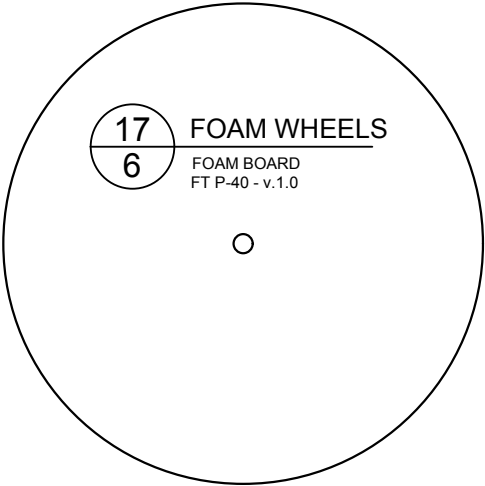
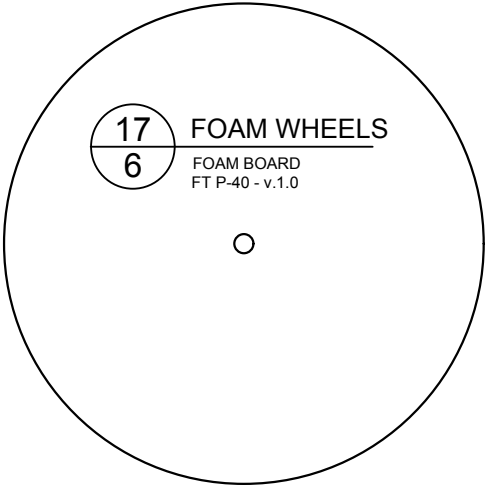
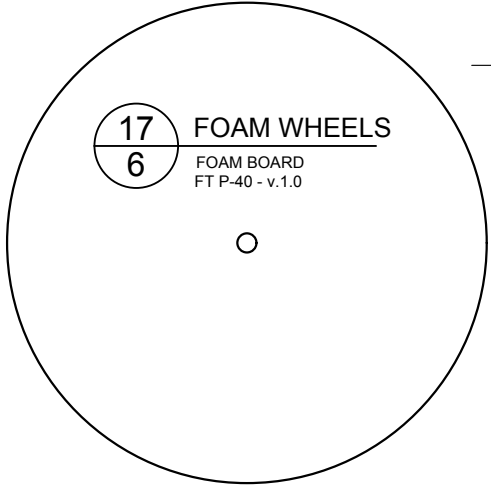
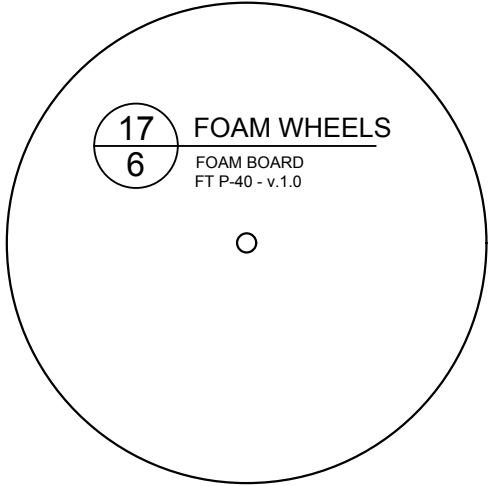
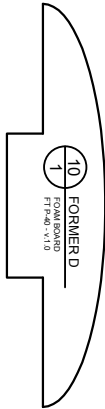
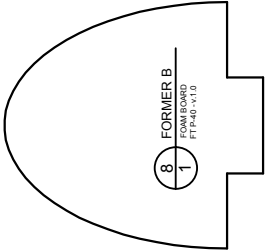
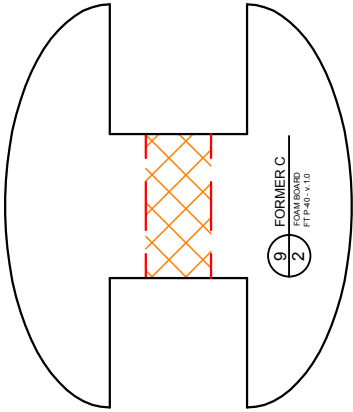
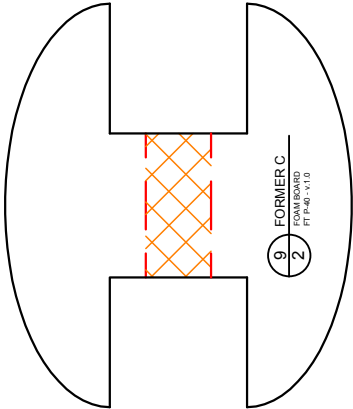
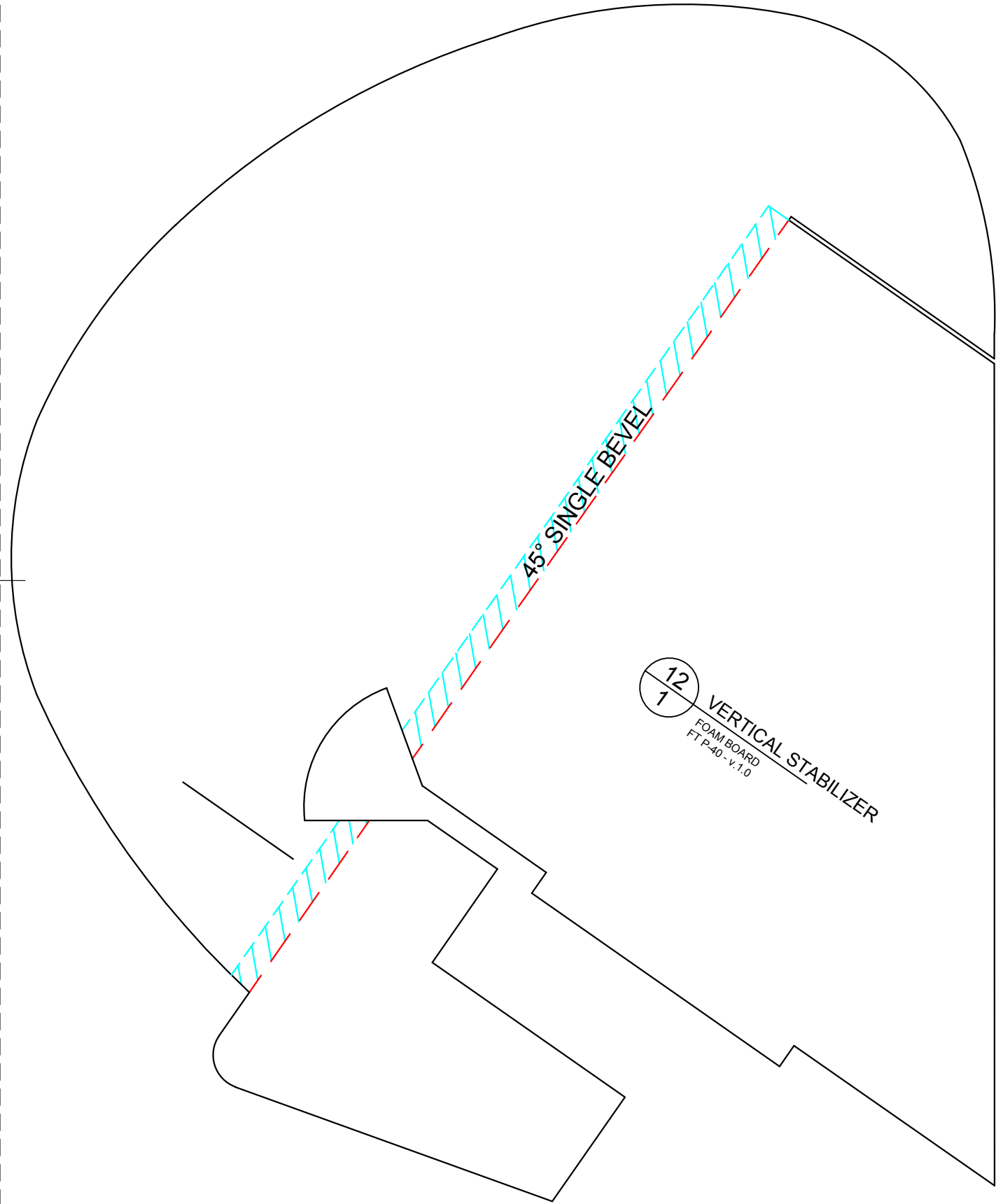
FOAM BOARD  
FT.P-40 - v.1.0

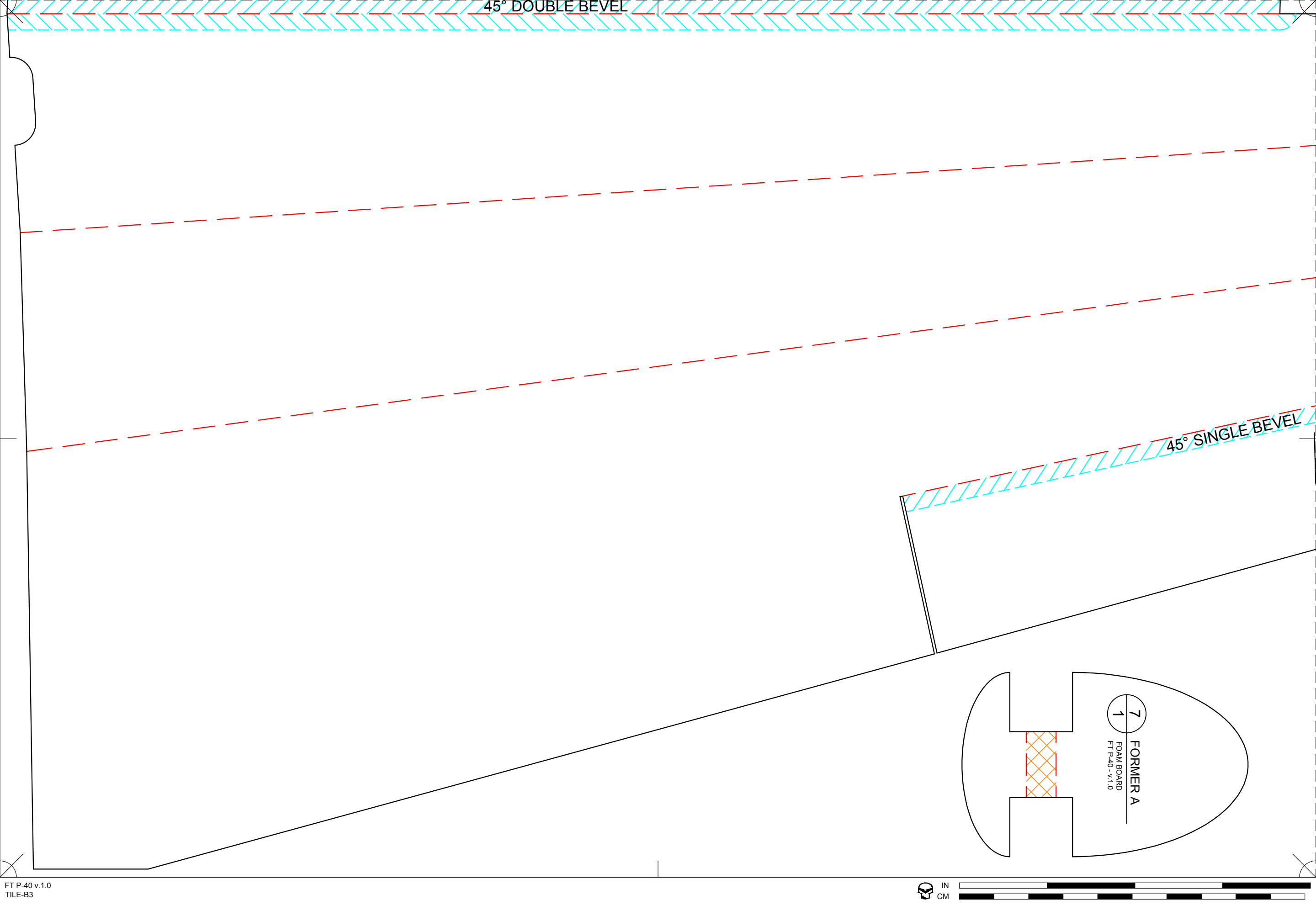
45° SINGLE BEVEL



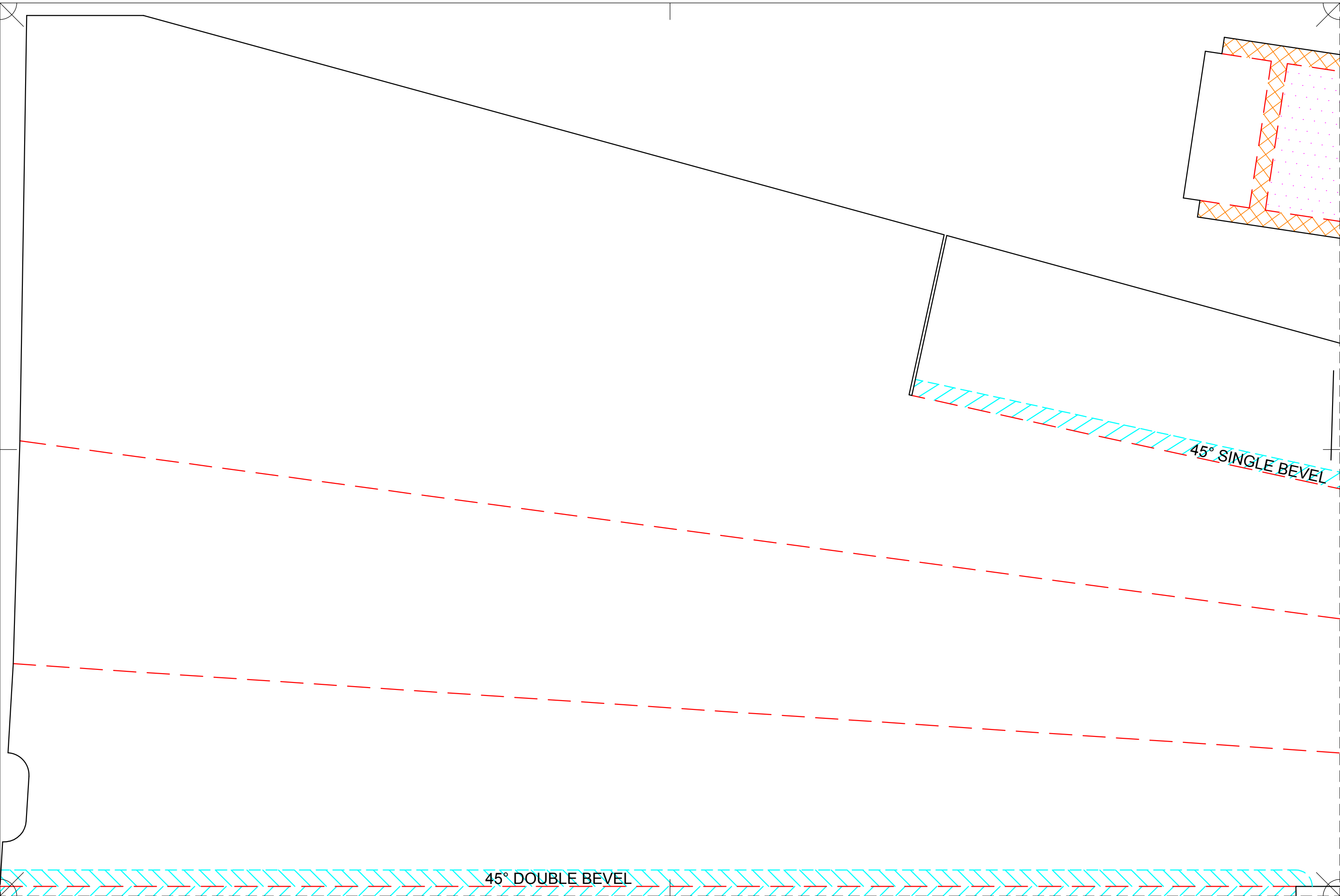


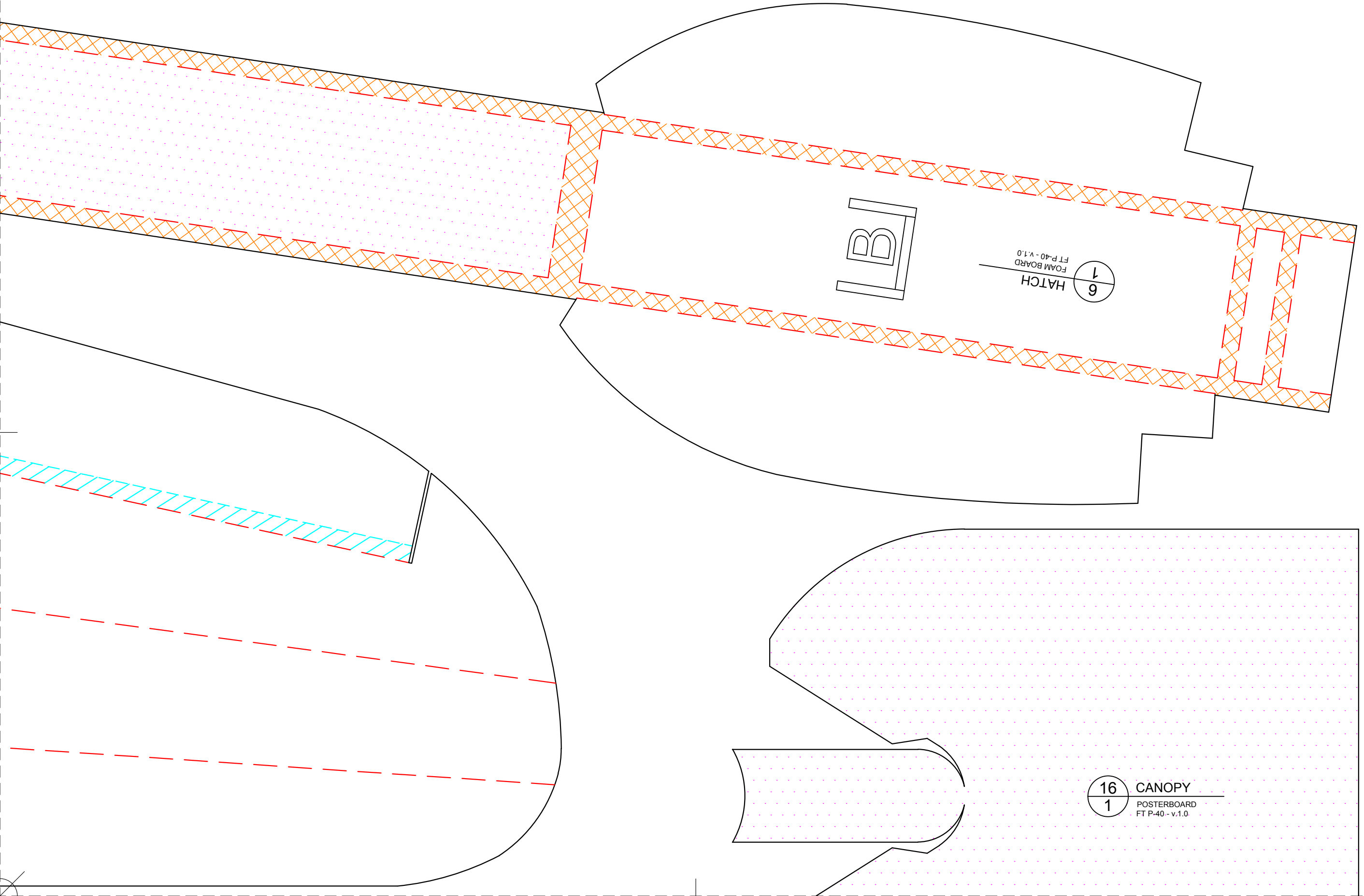
IN  
CM

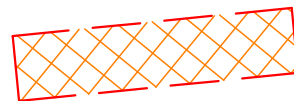
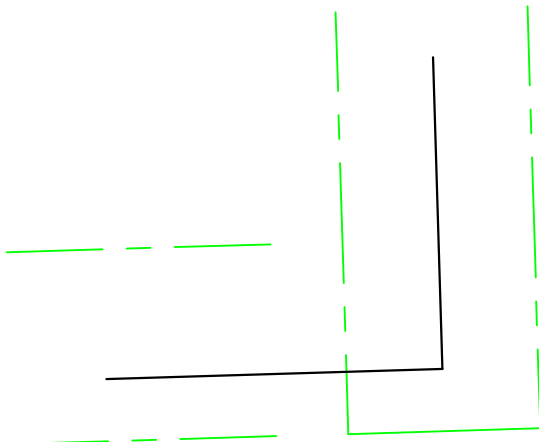
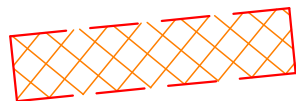




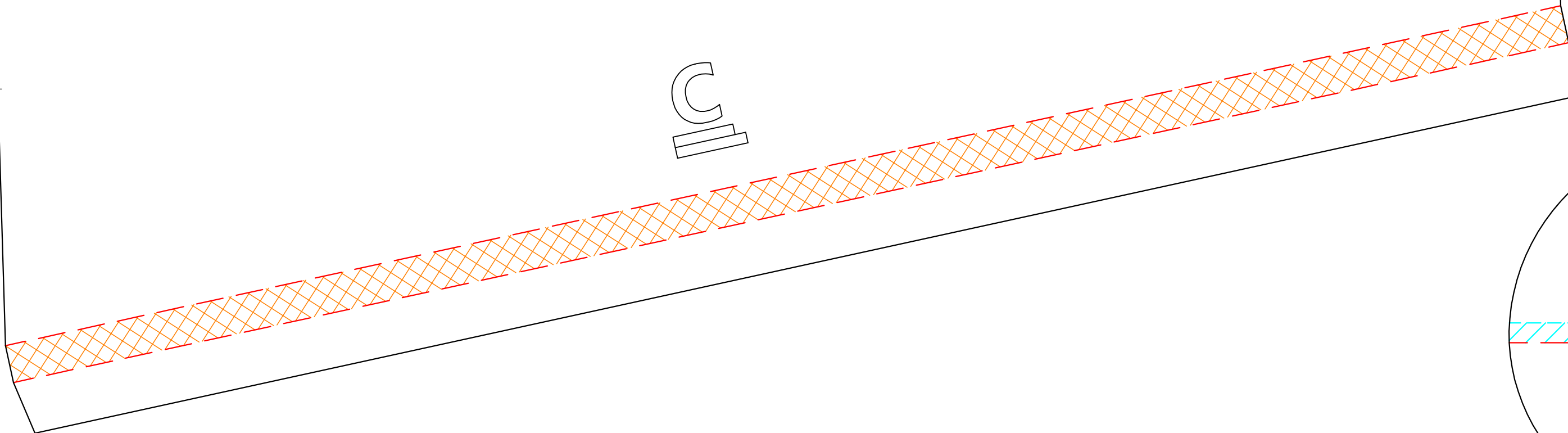
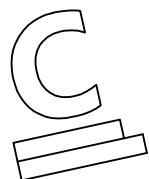




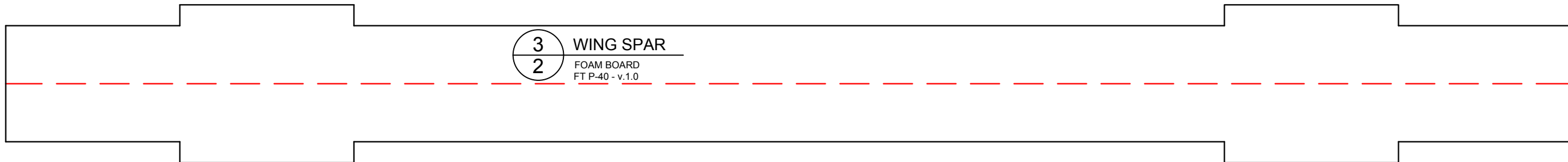




2  
1 RIGHT WING  
FOAM BOARD  
FT P-40 - v.1.0



3  
2 WING SPAR  
FOAM BOARD  
FT P-40 - v.1.0

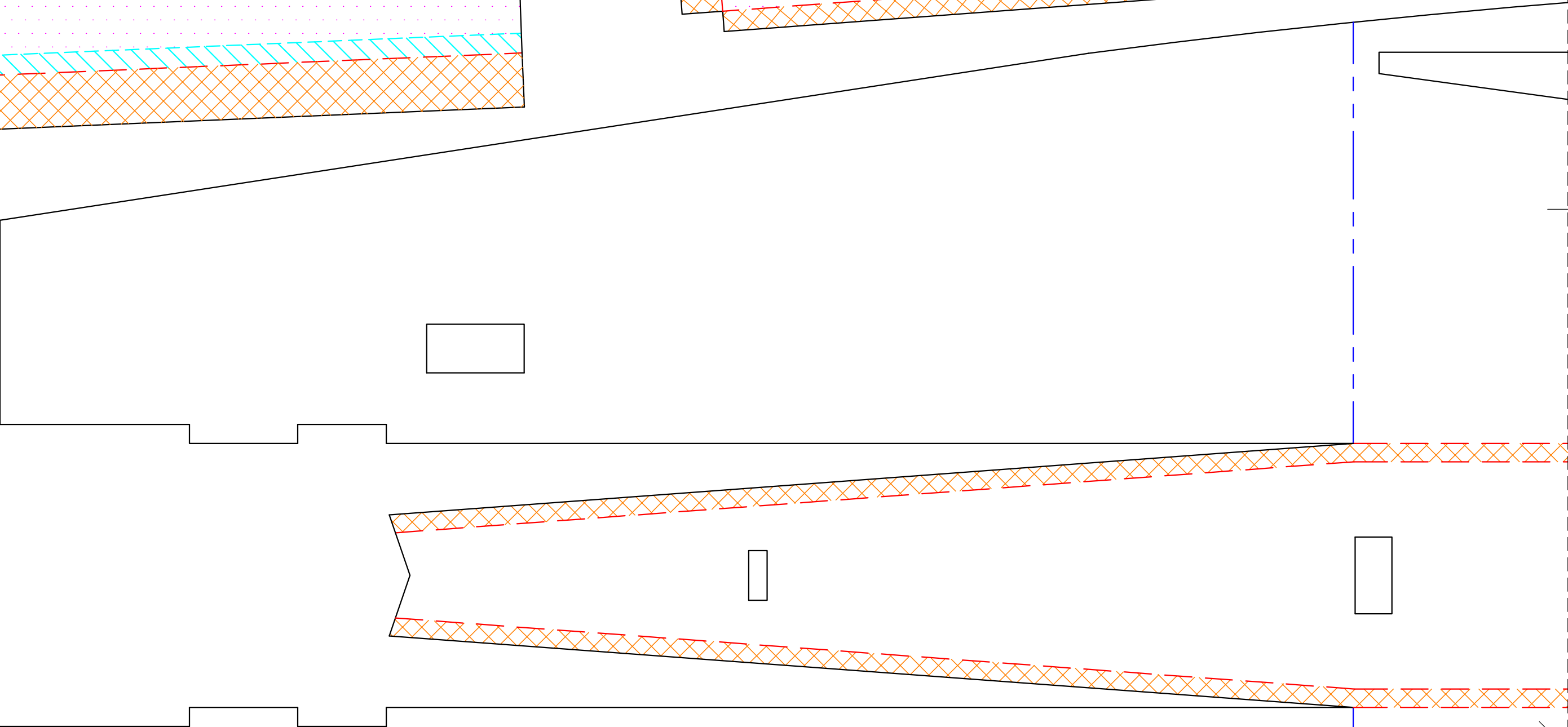
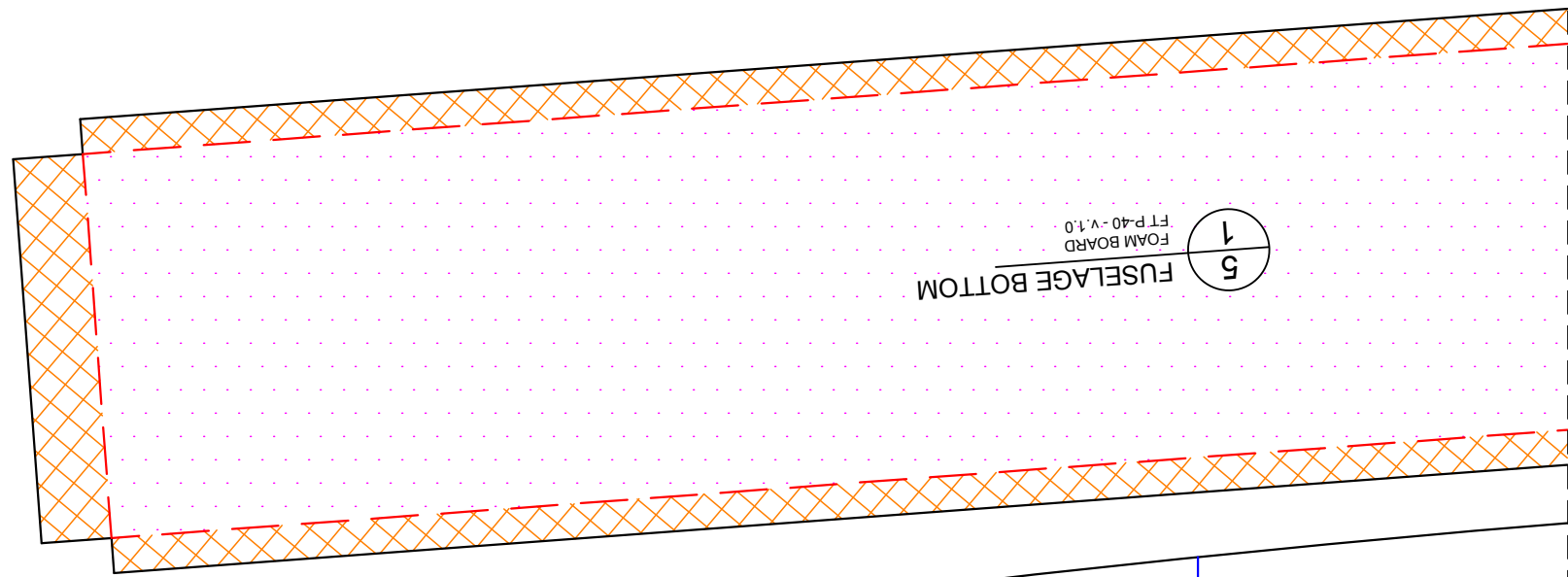
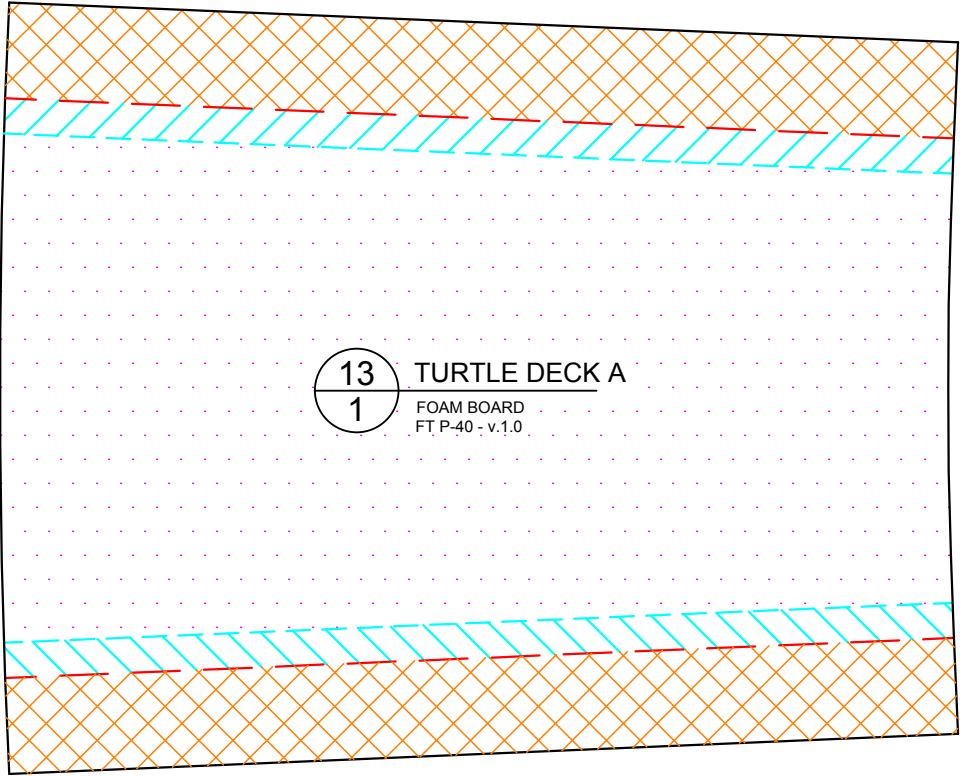


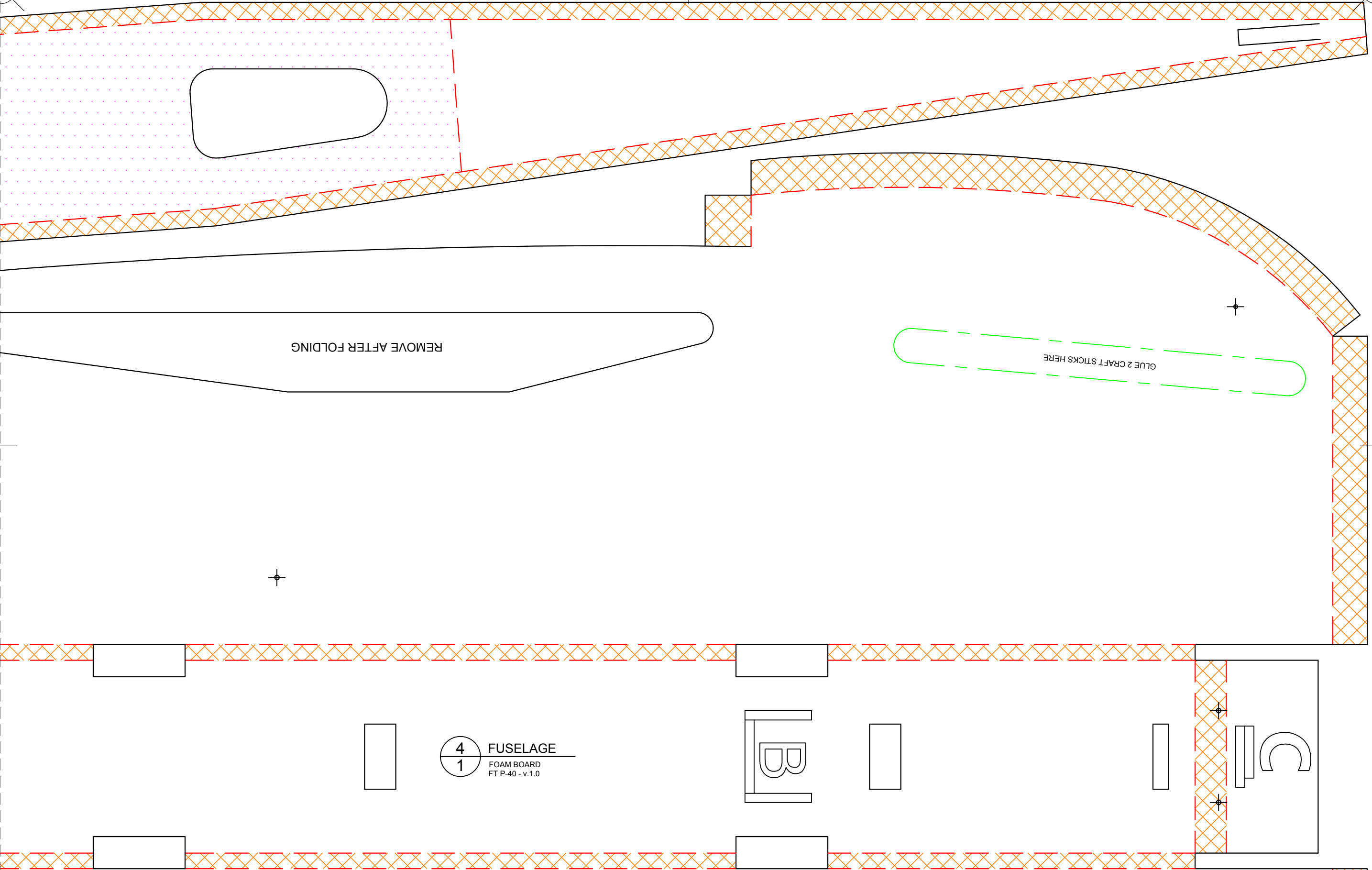


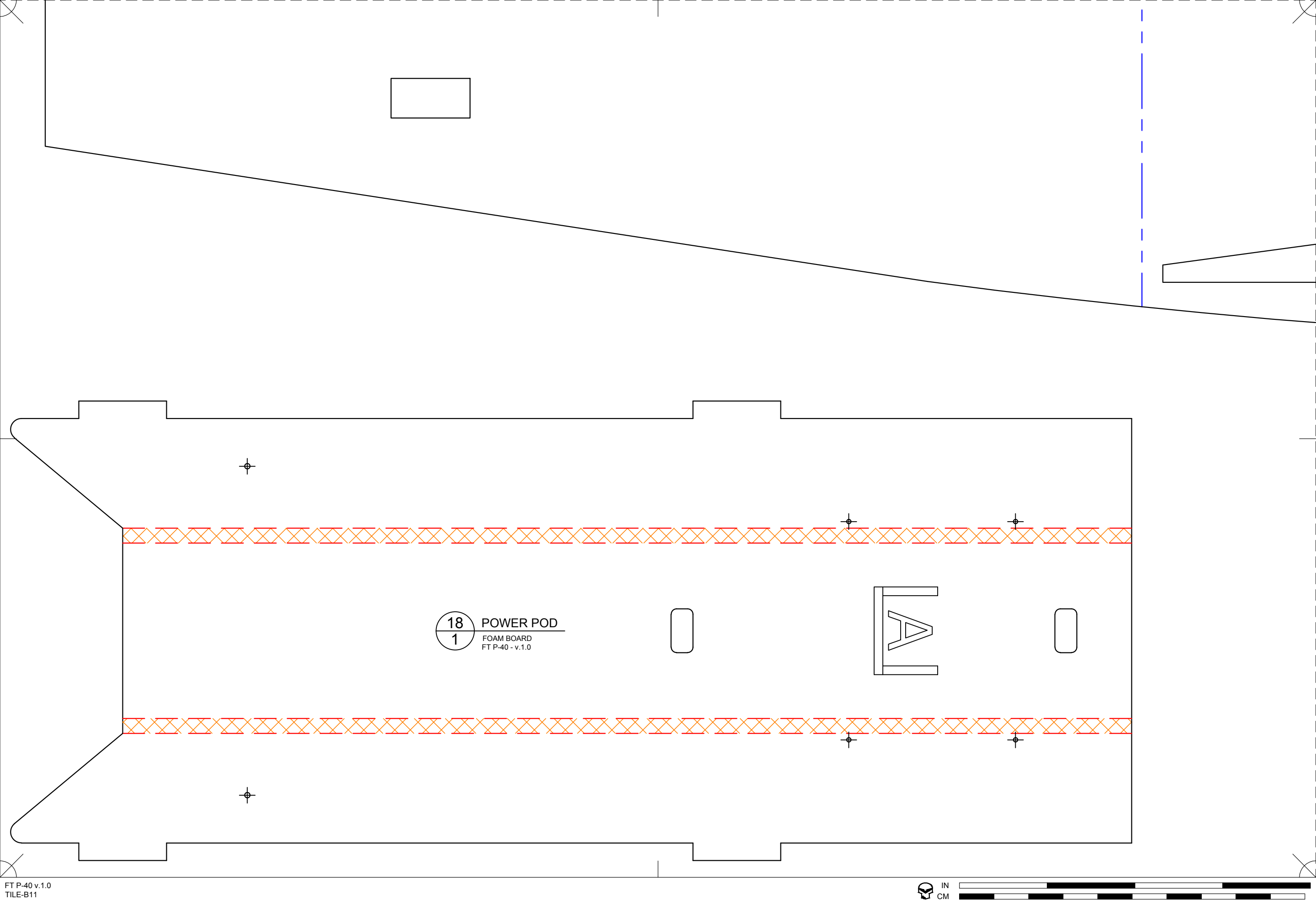
G2 90° ANGLE GAUGE  
FOAM BOARD  
FT P-40 - v.1.0

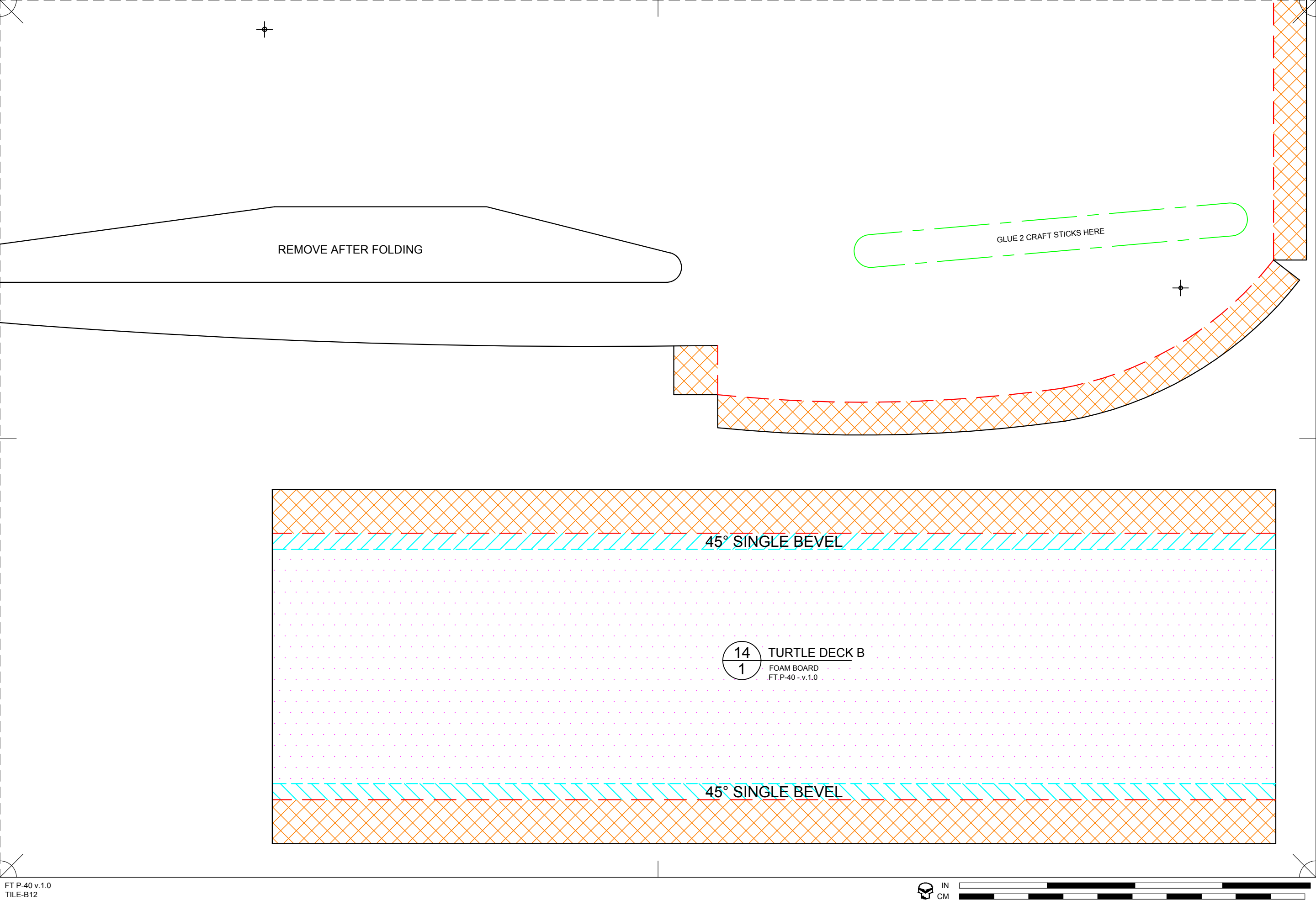
11  
1 HORIZONTAL STABILIZER  
FOAM BOARD  
FT P-40 - v.1.0

45° SINGLE BEVEL









REMOVE AFTER FOLDING

GLUE 2 CRAFT STICKS HERE

45° SINGLE BEVEL

45° SINGLE BEVEL

14  
1 TURTLE DECK B  
FOAM BOARD  
FT.P-40 - v.1.0