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# FT Spitfire

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Drawing By: Dan Sponholz

Version: 1.0

Date: 2020.02.14



## GENERAL SPECIFICATIONS:

LENGTH:	38.5 in	978 mm
CG:	2.0 in	50 mm
WINGSPAN:	48.0 in	1220 mm
WING AREA:	440 in <sup>2</sup>	28 dm <sup>2</sup>
DRY WEIGHT:	20.8 oz.	590 g
ALL UP WEIGHT:	28.8 oz.	816 g
WING LOADING:	9.4 oz/ft <sup>2</sup>	29 g/dm <sup>2</sup>
WCL:	5.4	
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:	2250-3000 mAh 4S



## BUILD SKILL LEVEL:

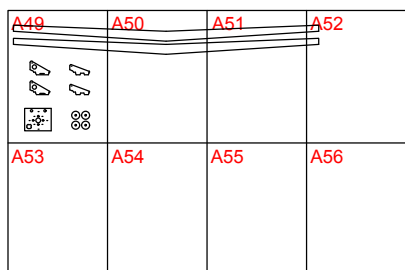
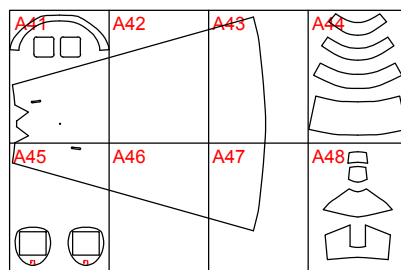
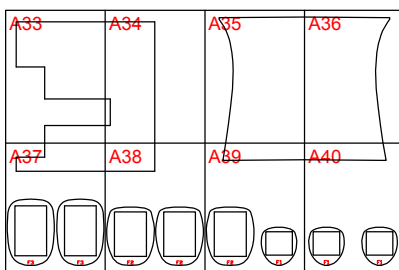
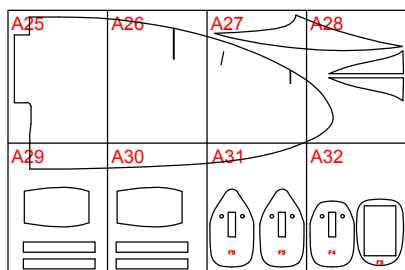
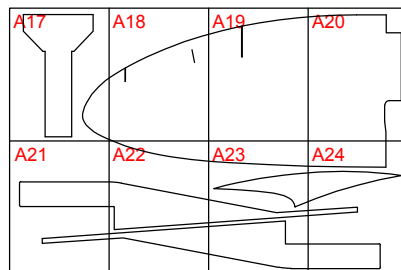
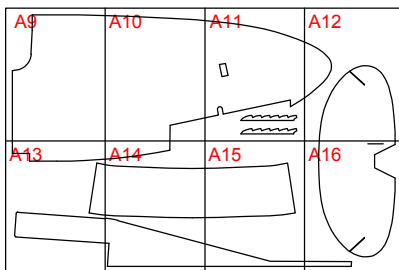
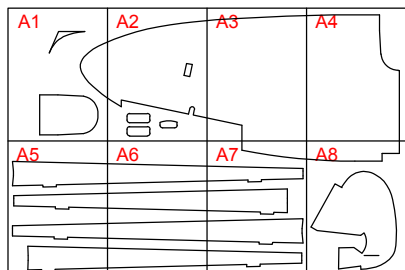


## PILOT SKILL LEVEL:





# FT Spitfire: Tile A Key

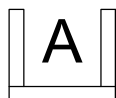




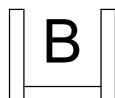
# Drawing Key



## FOLD TYPES



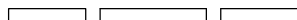
A



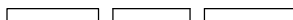
B



C



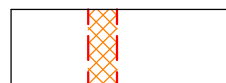
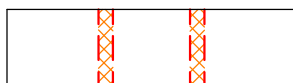
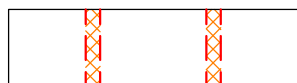
A - FOLD (ABOVE)



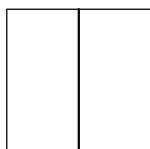
B - FOLD (BESIDE)



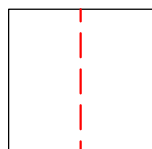
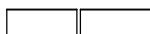
C - FOLD (COVER)



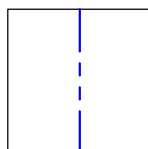
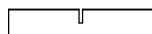
## LINE TYPE/COLOR



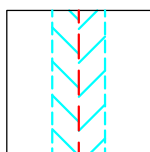
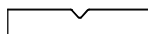
CUT



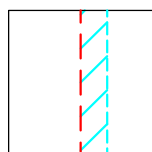
50% SCORE



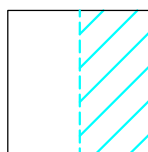
CREASE



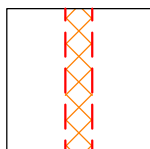
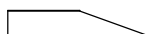
45° DOUBLE  
BEVEL



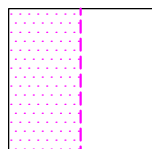
45° SINGLE  
BEVEL



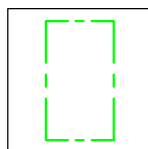
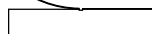
EDGE  
BEVEL



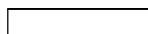
CAVITY



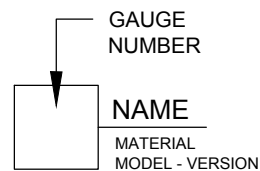
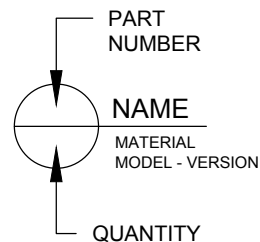
REMOVE  
PAPER



REFERENCE/  
OPTIONAL



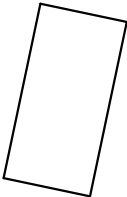
## SYMBOLS





42 VERTICAL STABILIZER FILLET  
1 FOAM BOARD  
FT SPITFIRE - v.1.0

38 HATCH H1  
1 FOAM BOARD  
FT SPITFIRE - v.1.0



39  
2

HATCH H2  
FOAM BOARD  
FT SPITFIRE - v.1.0

39  
2

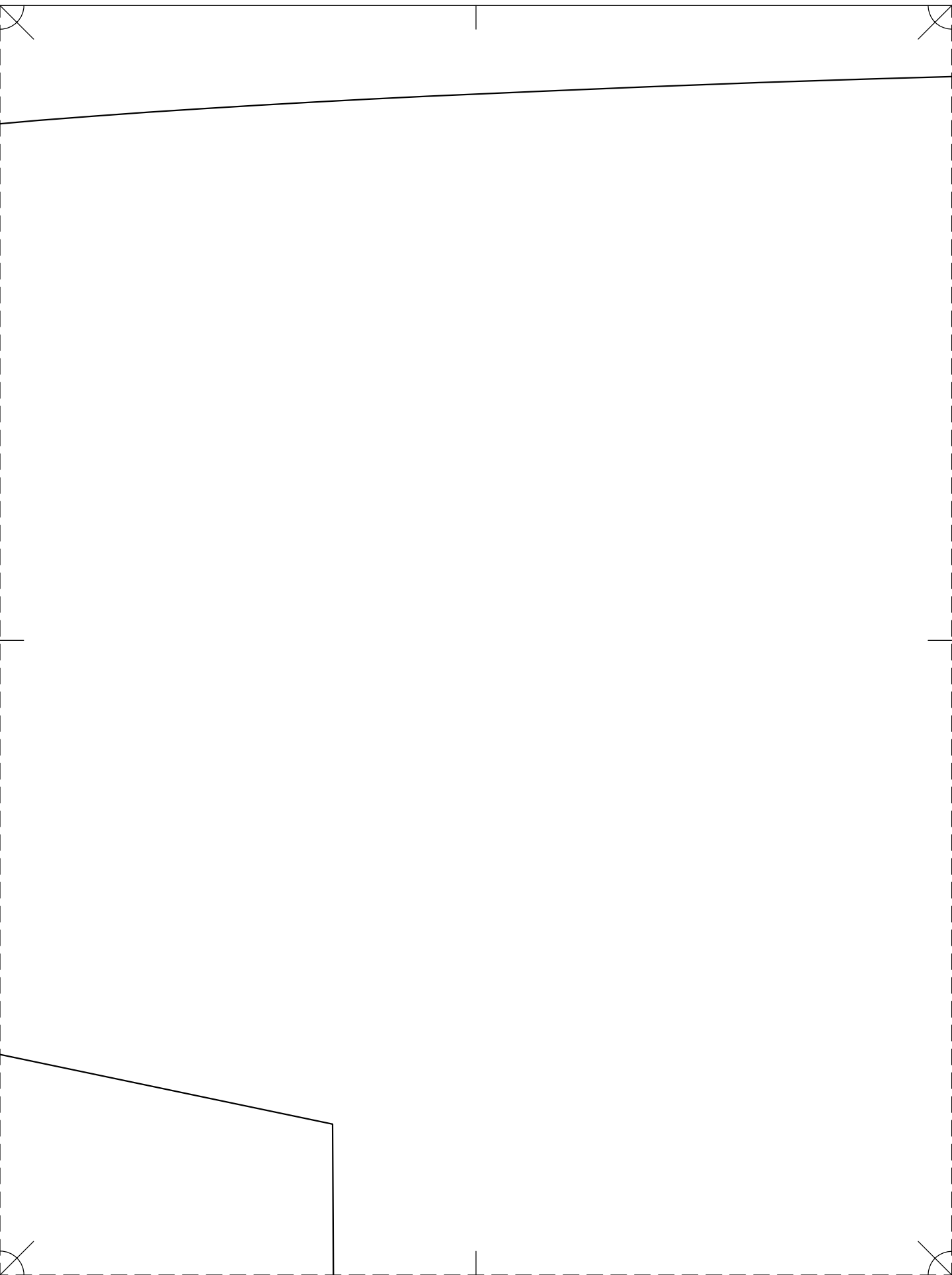
HATCH H2  
FOAM BOARD  
FT SPITFIRE - v.1.0

40  
1

HATCH H3  
FOAM BOARD  
FT SPITFIRE - v.1.0

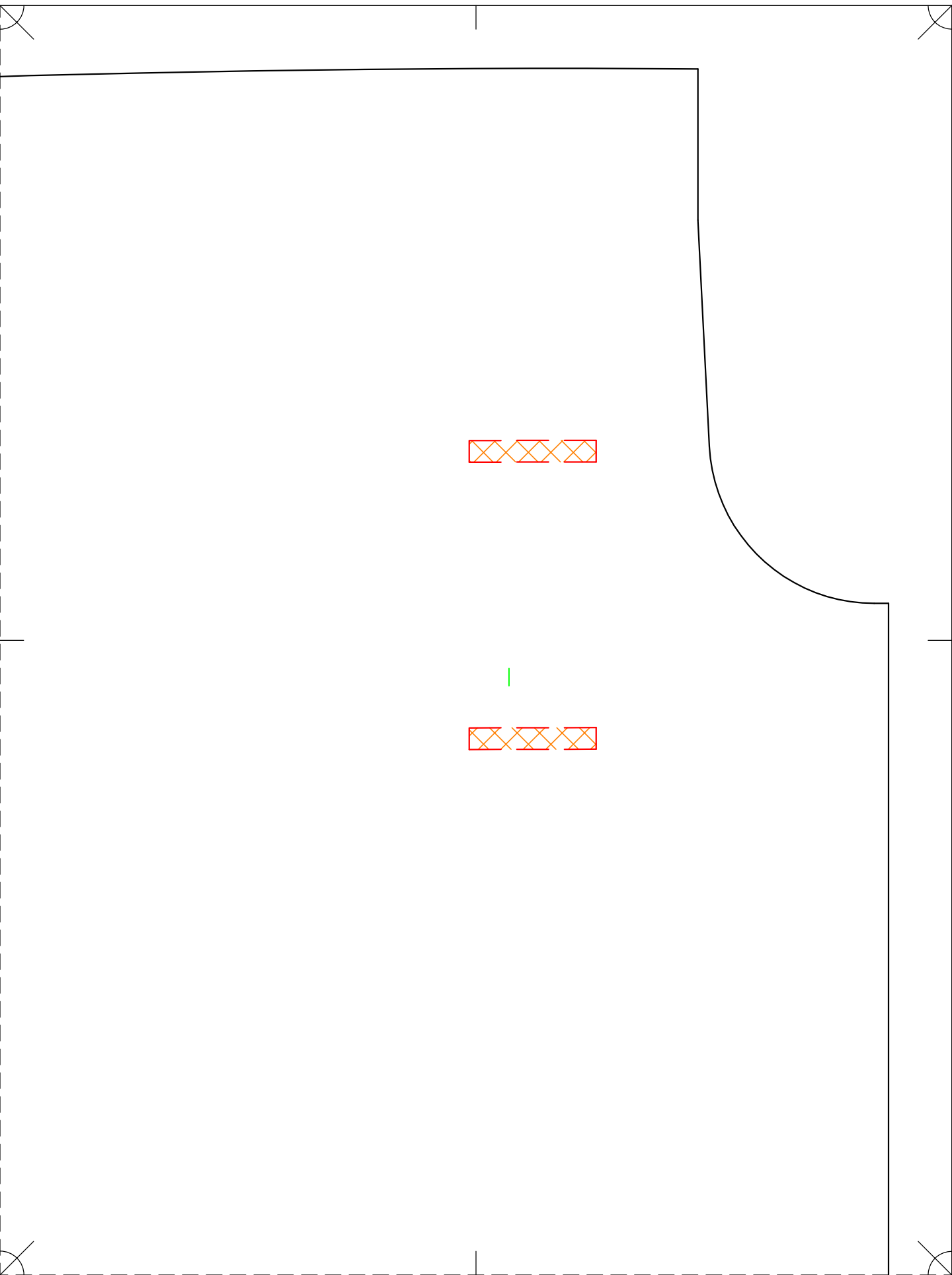


IN  
CM





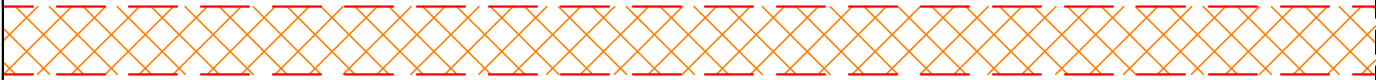
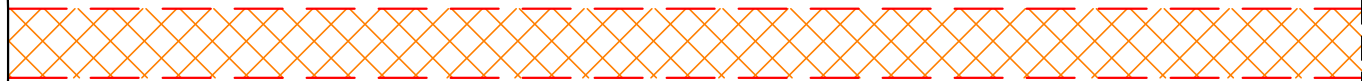
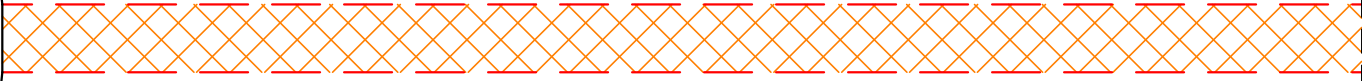
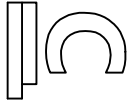
IN  
CM





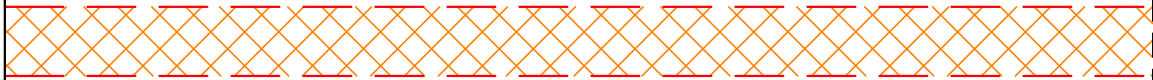
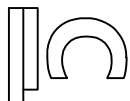
### SPAR LONG LEFT

FOAM BOARD  
FT SPITFIRE - v.1.0

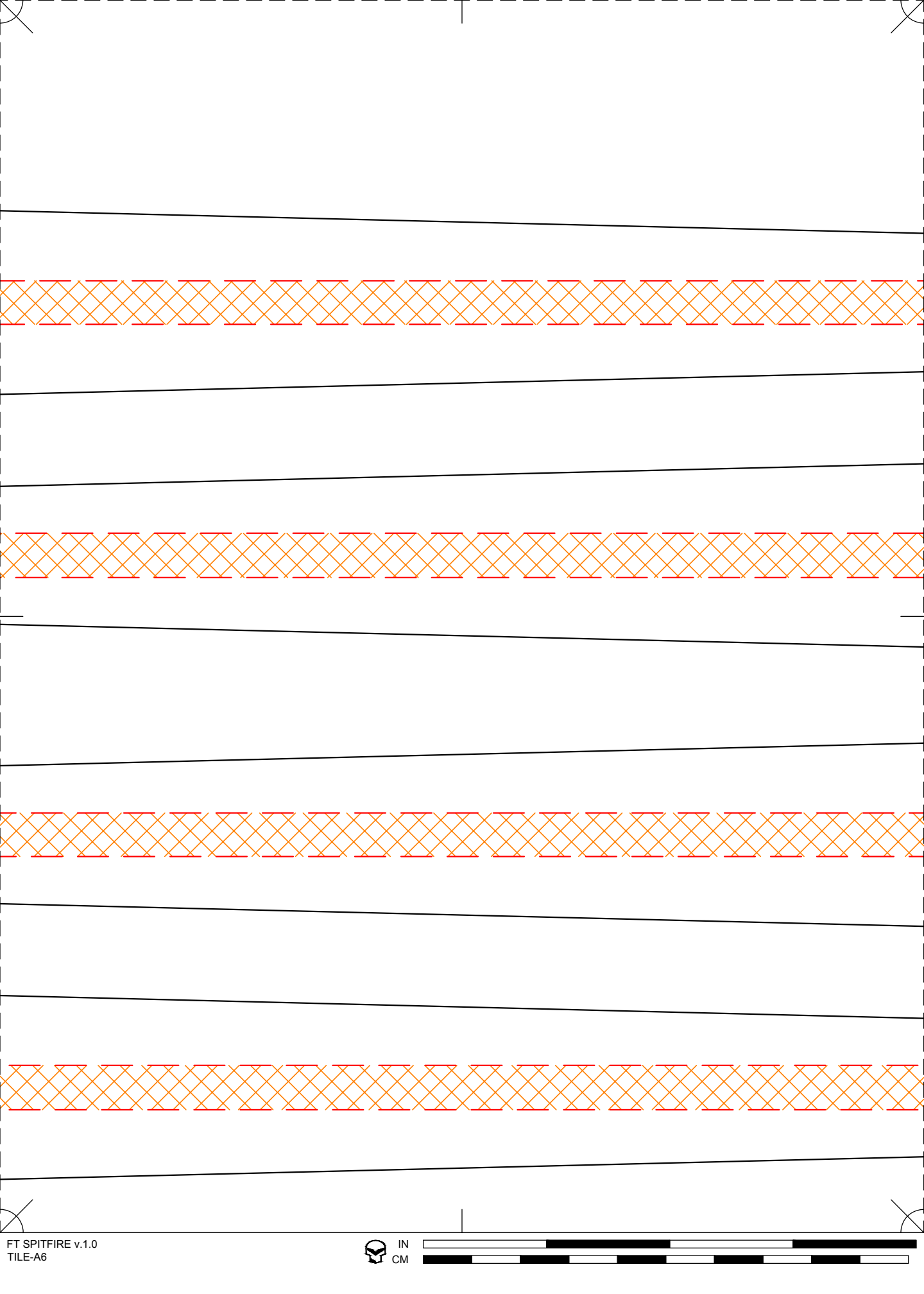


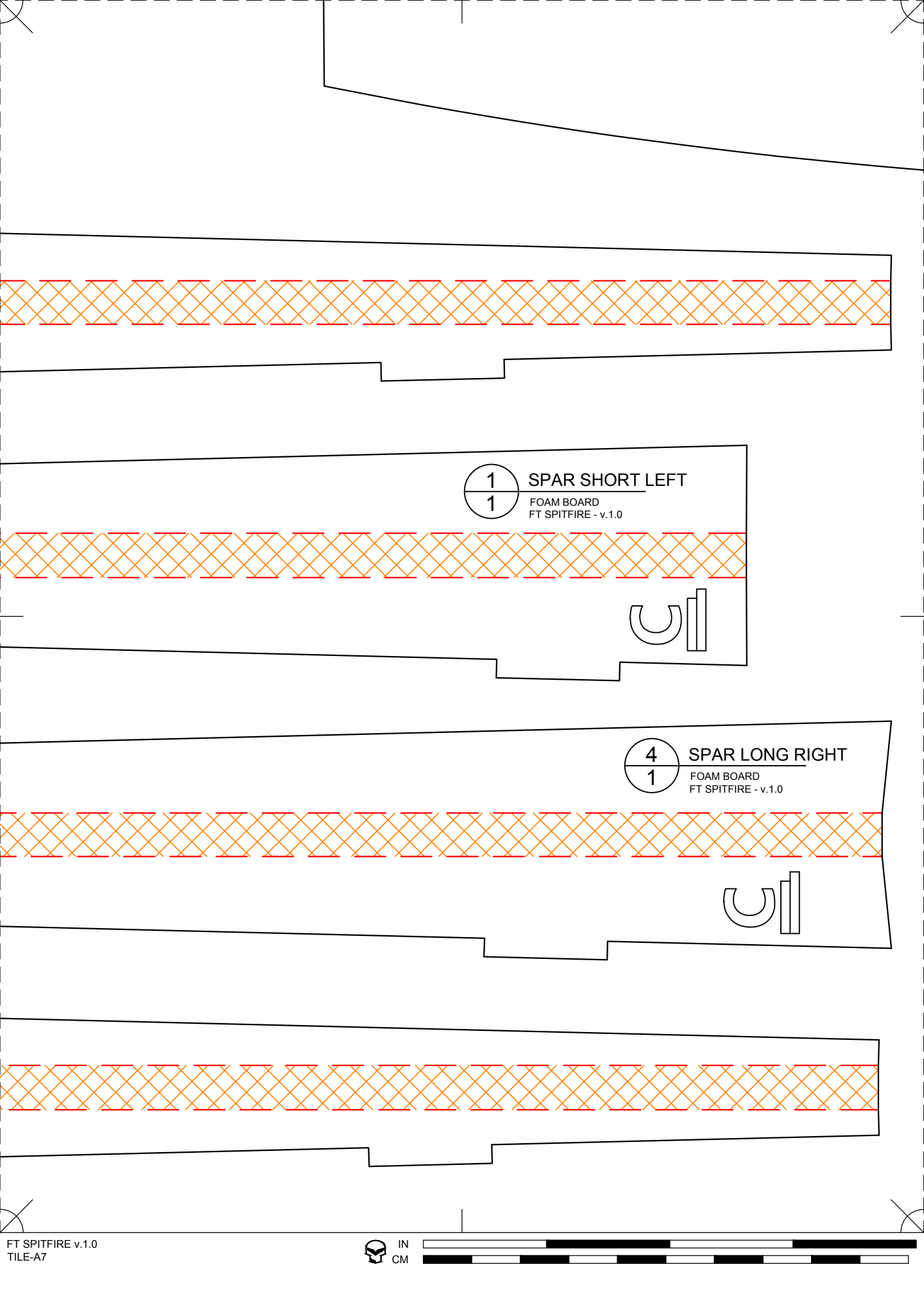
### SPAR SHORT RIGHT

FOAM BOARD  
FT SPITFIRE - v.1.0





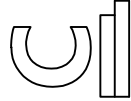




1  
1

**SPAR SHORT LEFT**

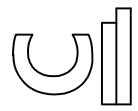
FOAM BOARD  
FT SPITFIRE - v.1.0



4  
1

**SPAR LONG RIGHT**

FOAM BOARD  
FT SPITFIRE - v.1.0



5  
1

WING LOWER LEFT

FOAM BOARD  
FT SPITFIRE - v.1.0

9  
1

VERTICAL STABILIZER

FOAM BOARD  
FT SPITFIRE - v.1.0

45° SINGLE BEVEL



IN  
CM



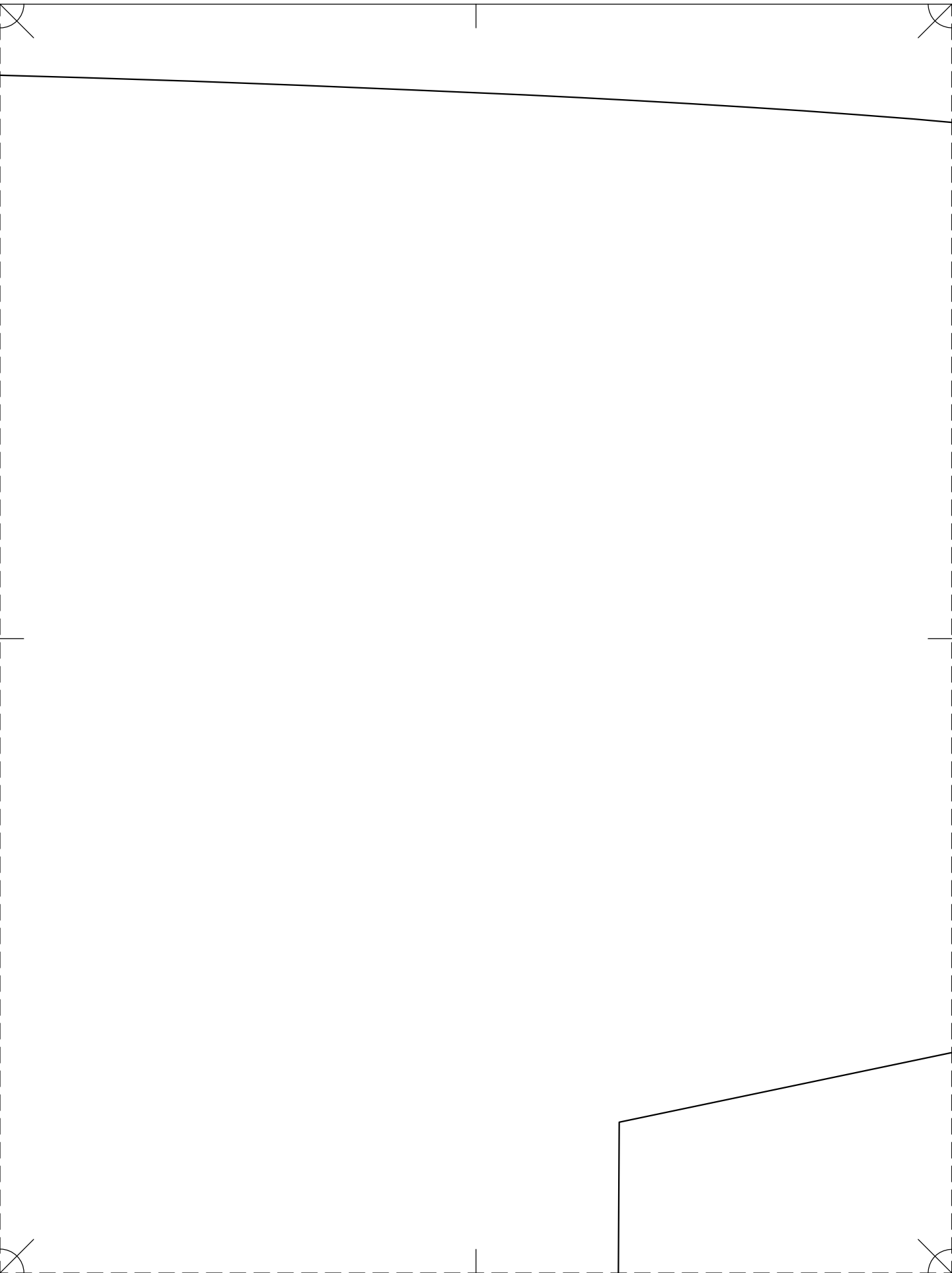


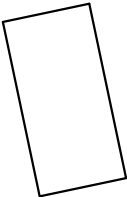
IN  
CM





IN  
CM





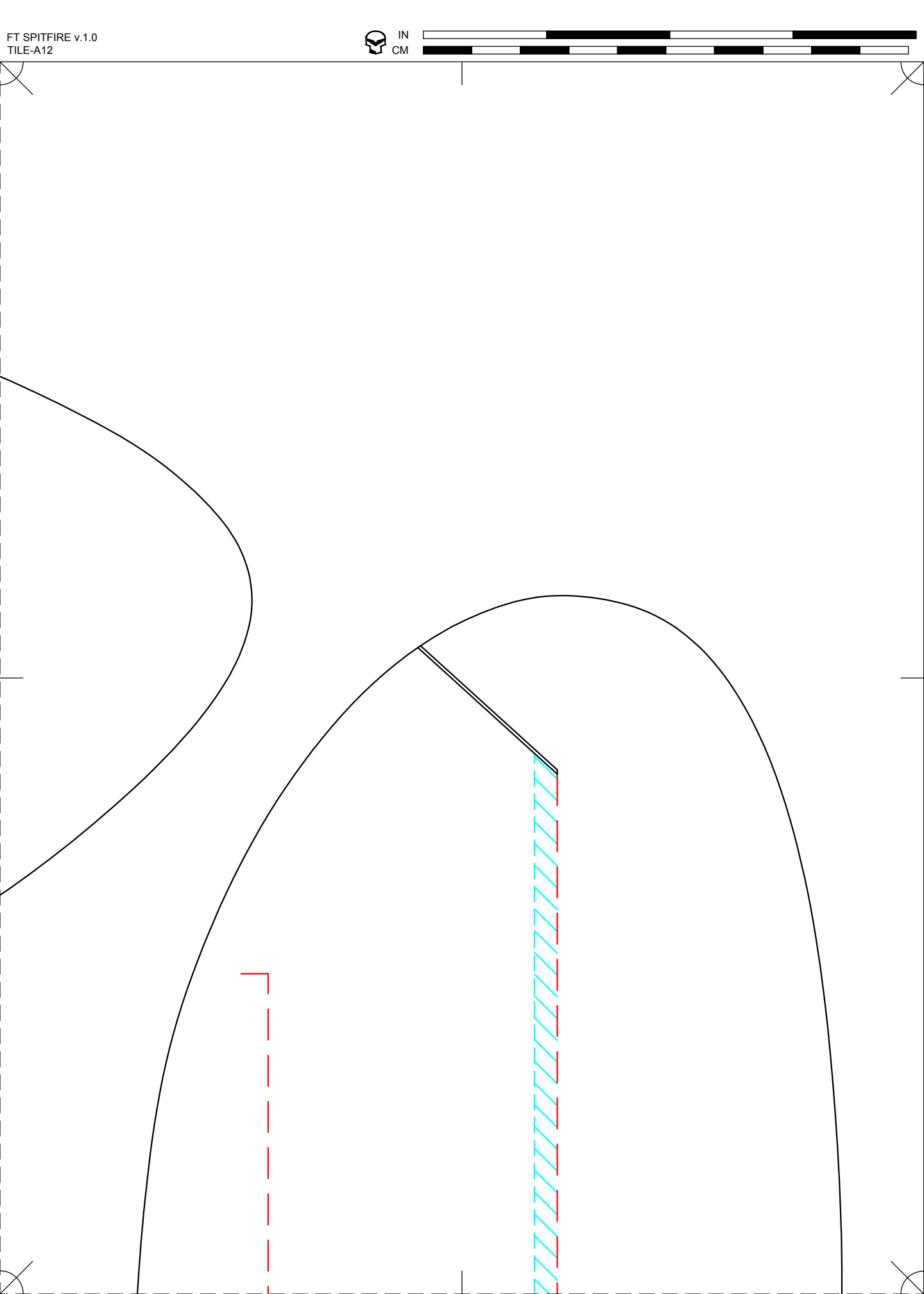
41  
2 EXHAUST  
FOAM BOARD  
FT SPITFIRE - v.1.0



41  
2 EXHAUST  
FOAM BOARD  
FT SPITFIRE - v.1.0



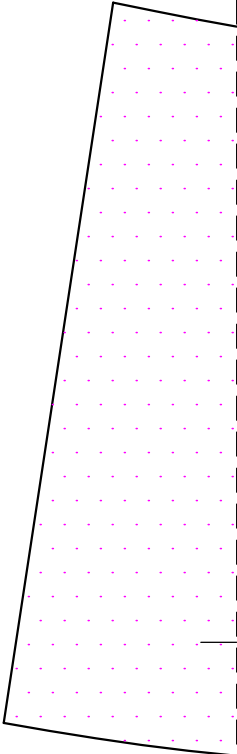
IN  
CM





WING LOWER RIGHT

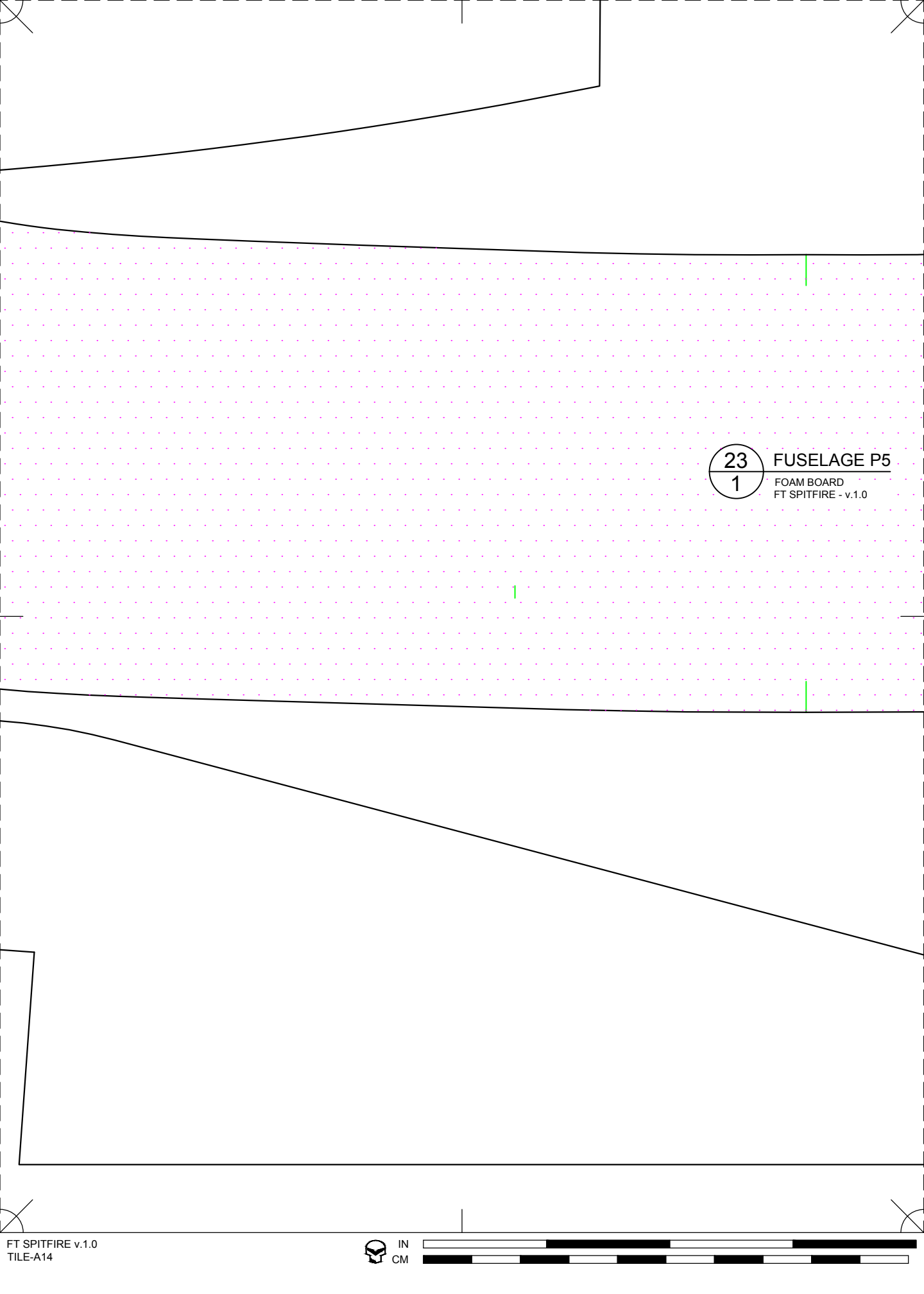
FOAM BOARD  
FT SPITFIRE - v.1.0



SPINE  
FOAM BOARD  
FT SPITFIRE - v.1.0







23  
1

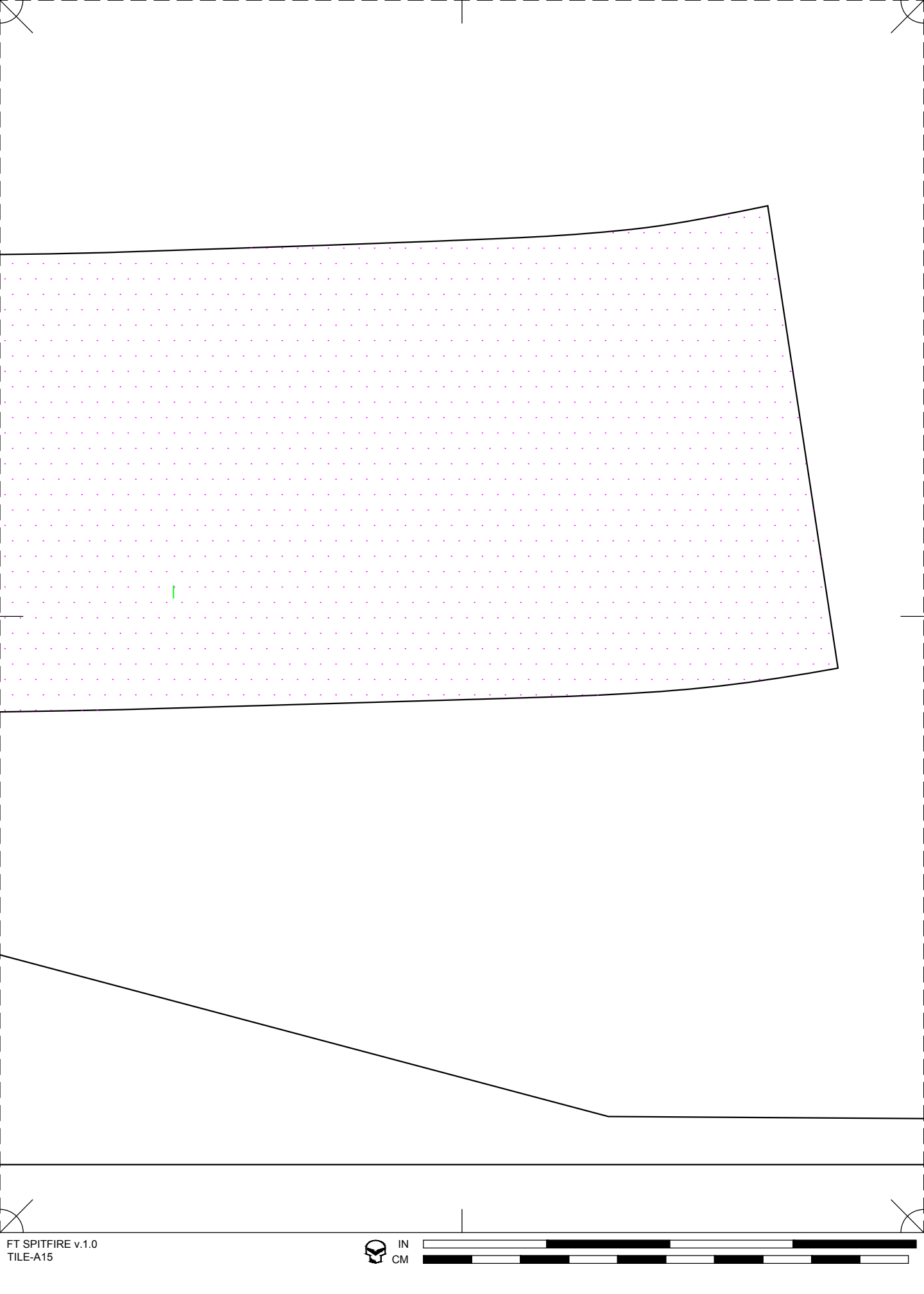
FUSELAGE P5

FOAM BOARD  
FT SPITFIRE - v.1.0



IN  
CM



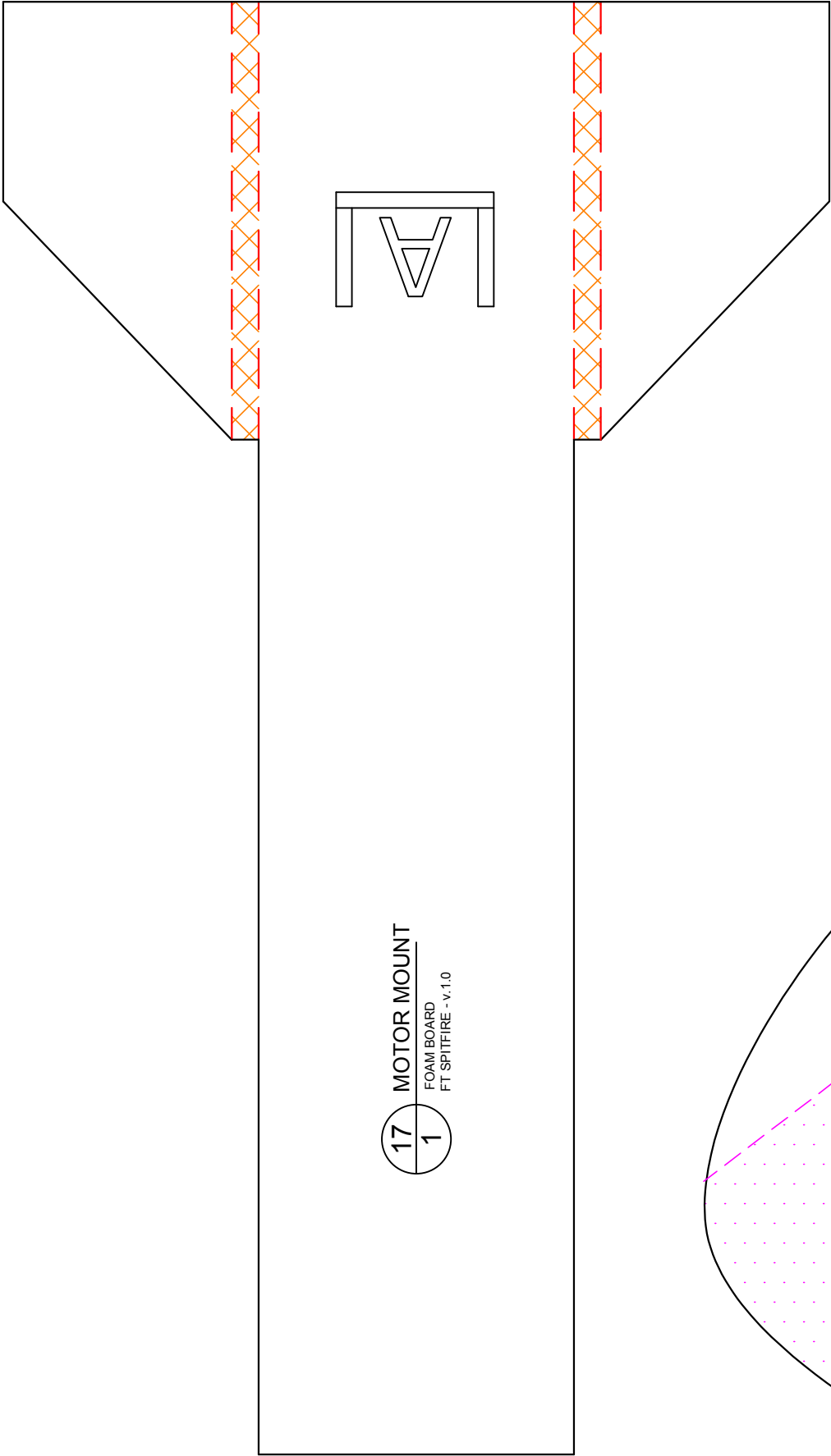




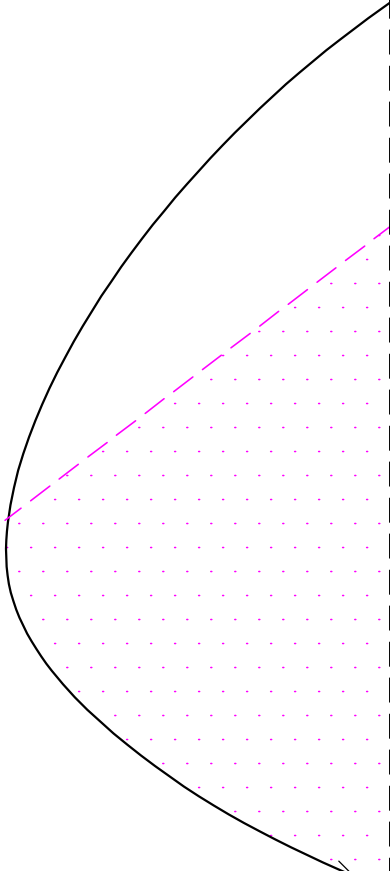
10  
1

HORIZONTAL STABILIZER  
FOAM BOARD  
FT SPITFIRE - v.1.0

45° SINGLE BEVEL

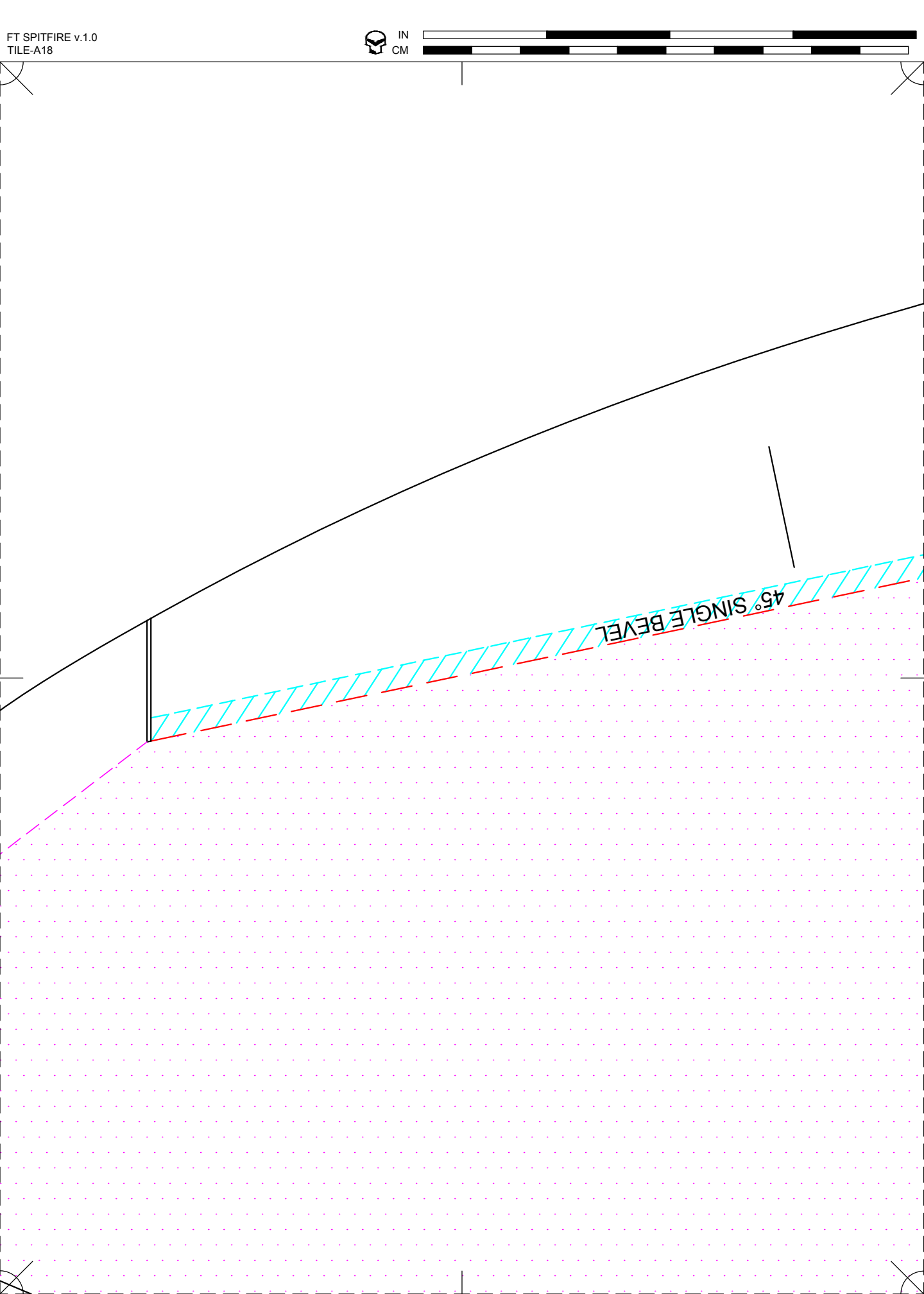


17 MOTOR MOUNT  
1 FOAM BOARD  
FT SPITFIRE - v.1.0



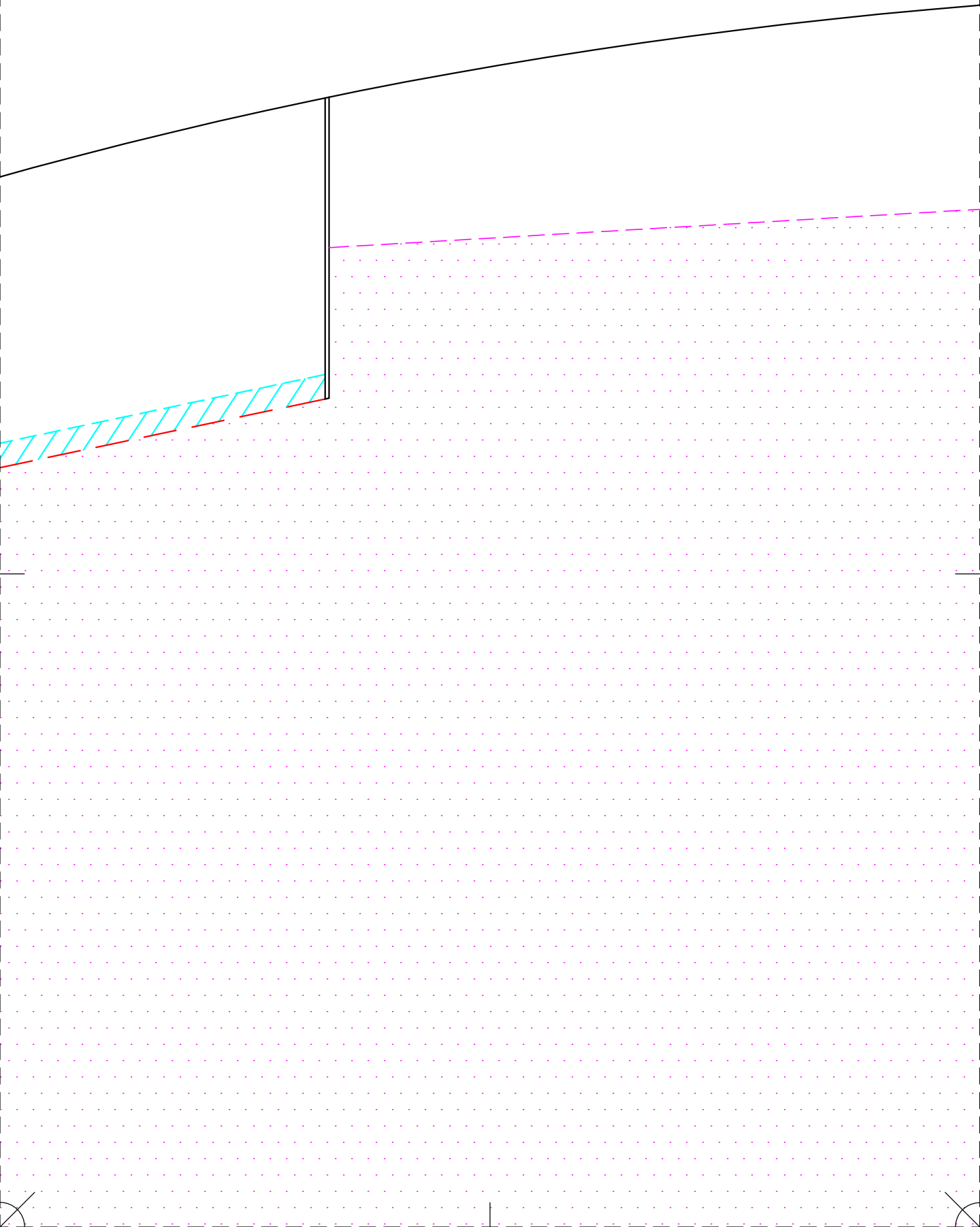


IN  
CM





IN  
CM



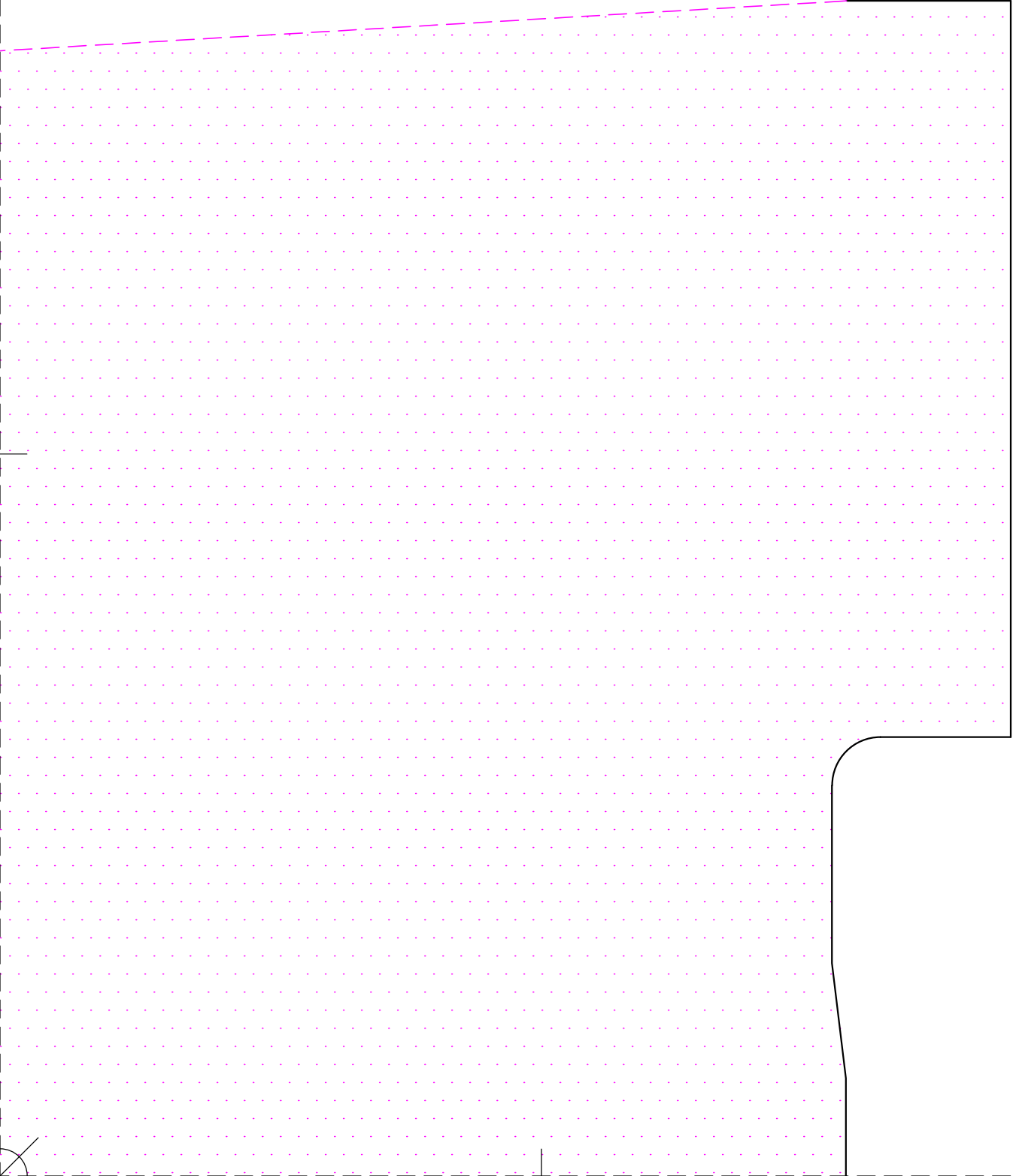


IN  
CM



WING UPPER LEFT

FOAM BOARD  
FT SPITFIRE - v.1.0



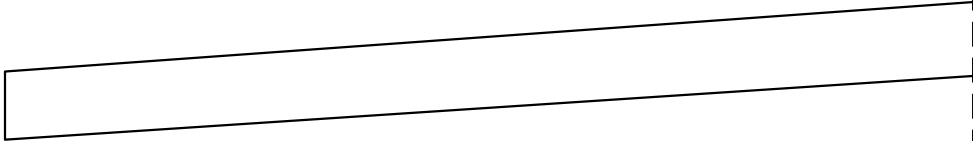
SPINE

16

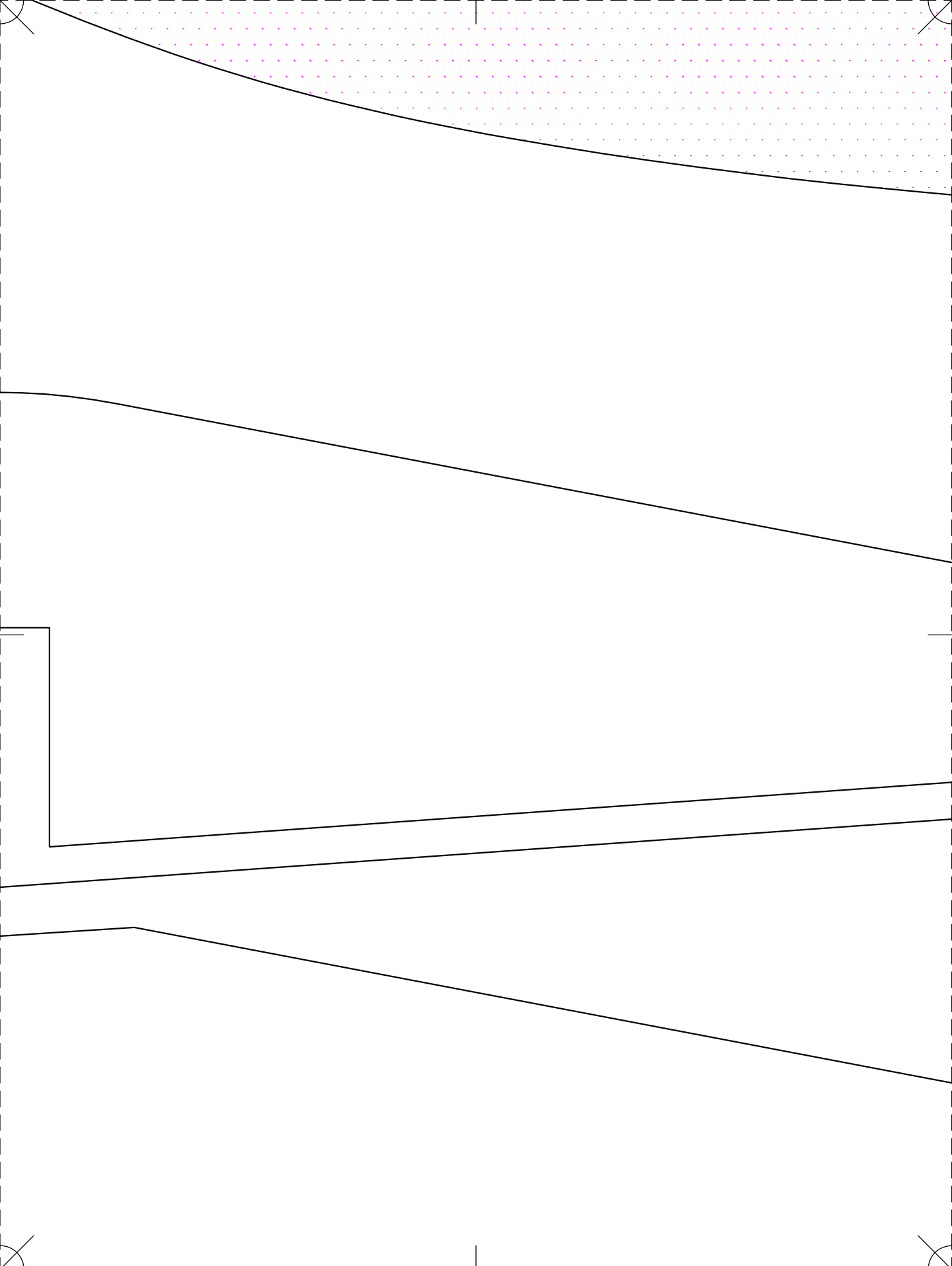
3

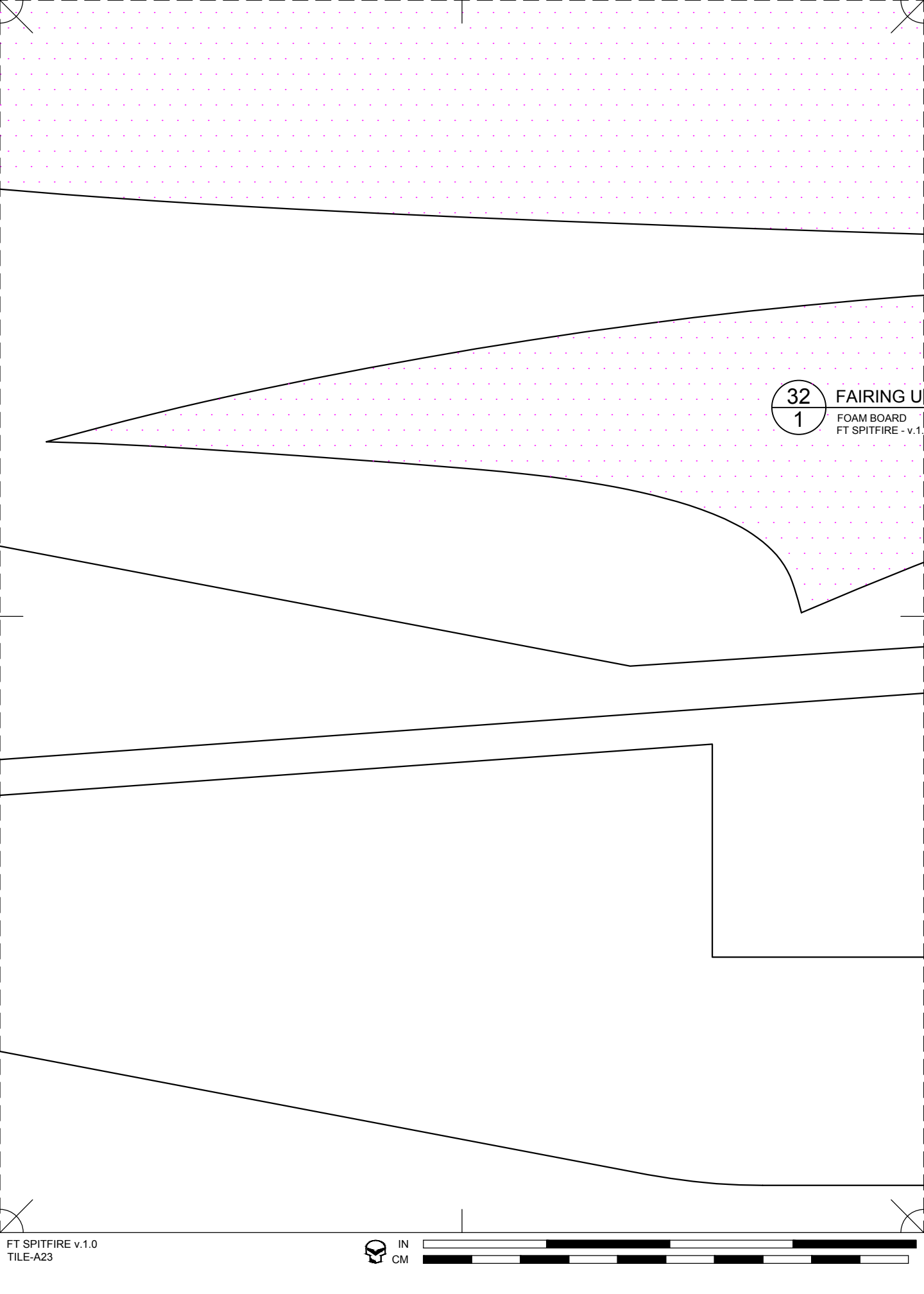
FOAM BOARD

FT SPITFIRE - v.1.0







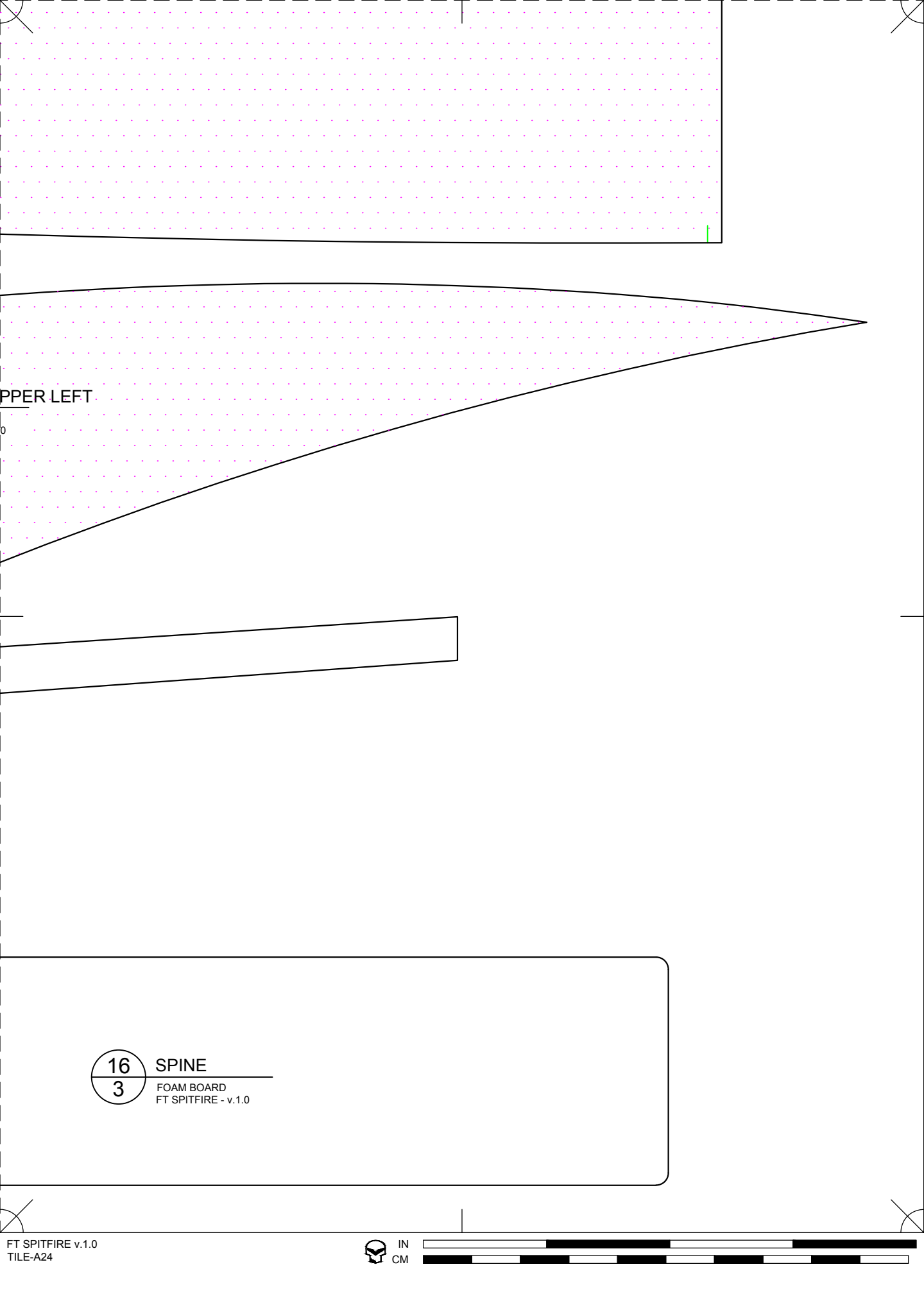


32  
1

FAIRING U

FOAM BOARD  
FT SPITFIRE - v.1.





PPER LEFT

0

16  
3 SPINE  
FOAM BOARD  
FT SPITFIRE - v.1.0



IN  
CM



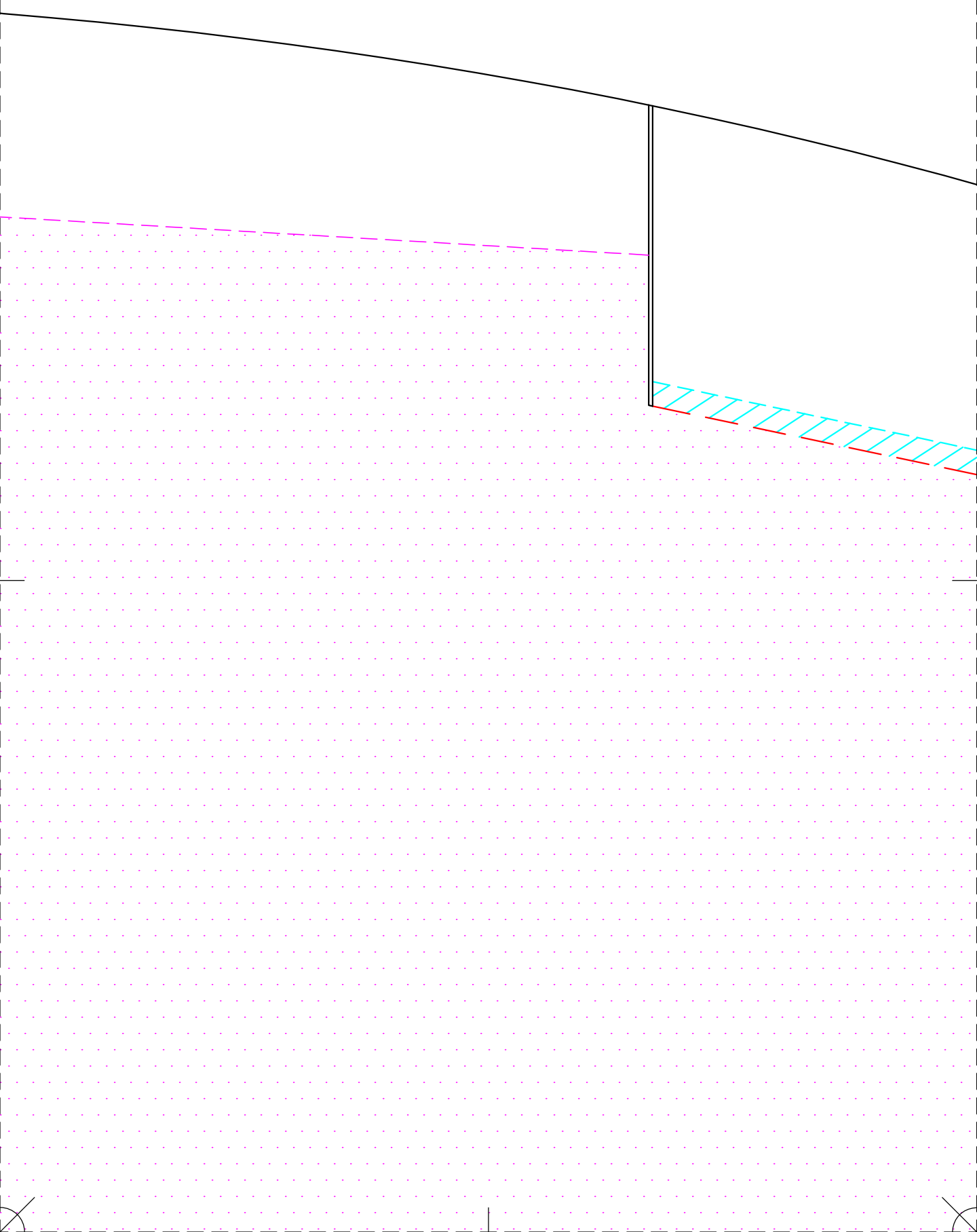
WING UPPER RIGHT

FOAM BOARD  
FT SPITFIRE - v.1.0





IN  
CM





33  
1

FAIRING  
FOAM BOARD  
FT SPITFIRE

45° SINGLE BEVEL



UPPER RIGHT

v.1.0

34  
1

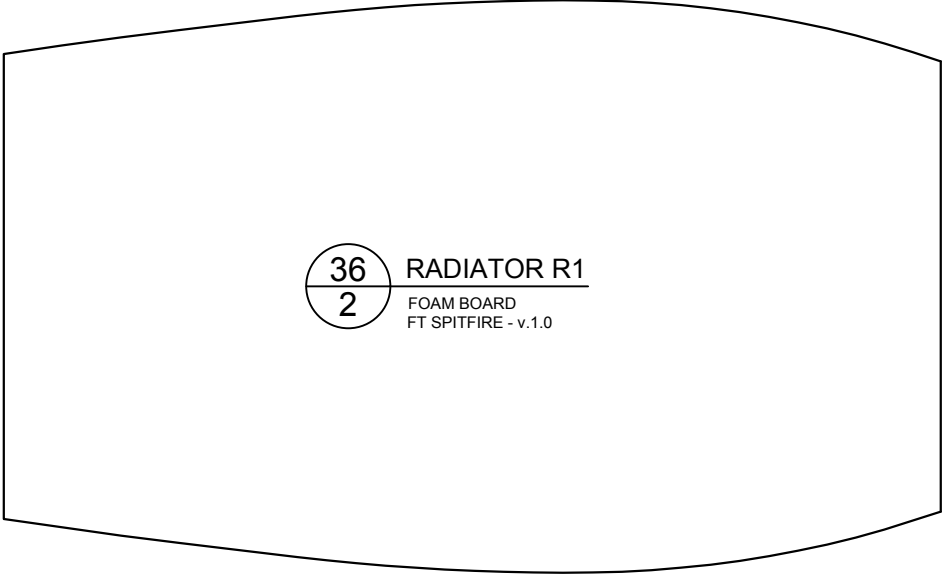
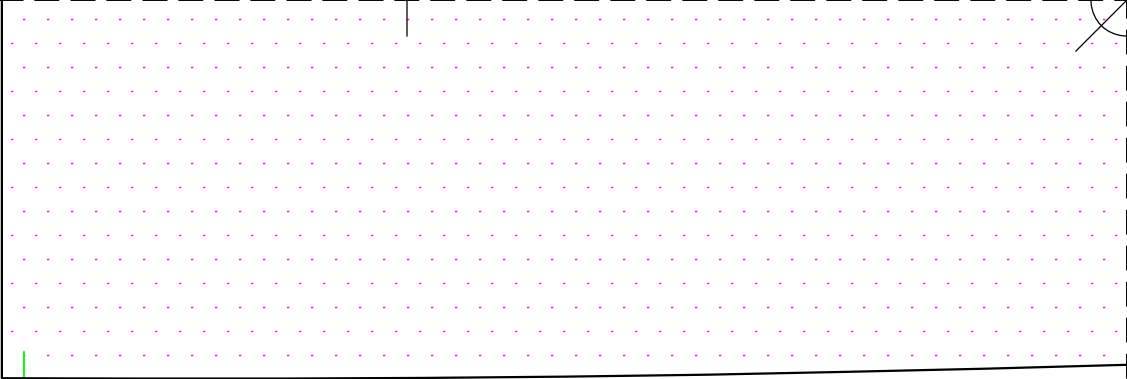
FAIRING LOWER LEFT

FOAM BOARD  
FT SPITFIRE - v.1.0

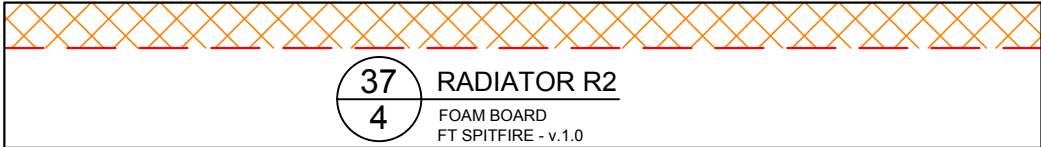
35  
1

FAIRING LOWER RIGHT

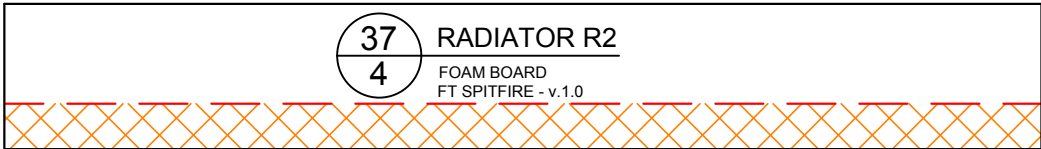
FOAM BOARD  
FT SPITFIRE - v.1.0



**36**  
**2** **RADIATOR R1**  
FOAM BOARD  
FT SPITFIRE - v.1.0

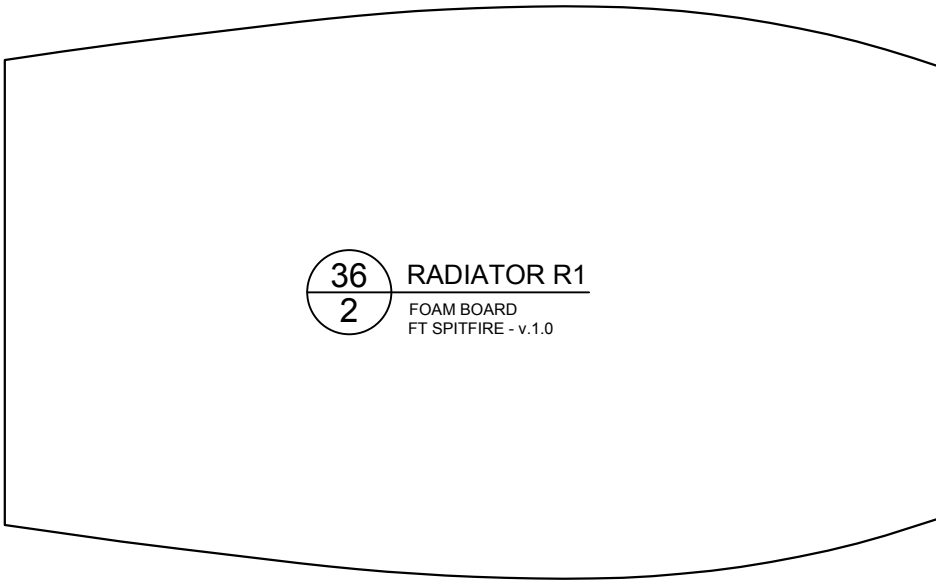


**37**  
**4** **RADIATOR R2**  
FOAM BOARD  
FT SPITFIRE - v.1.0

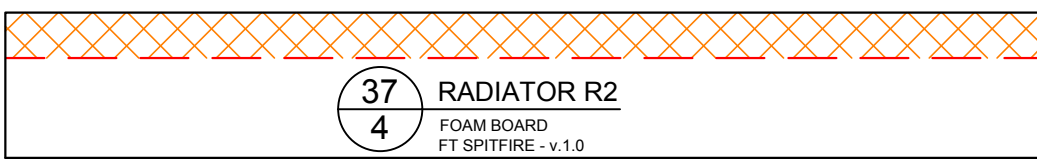


**37**  
**4** **RADIATOR R2**  
FOAM BOARD  
FT SPITFIRE - v.1.0

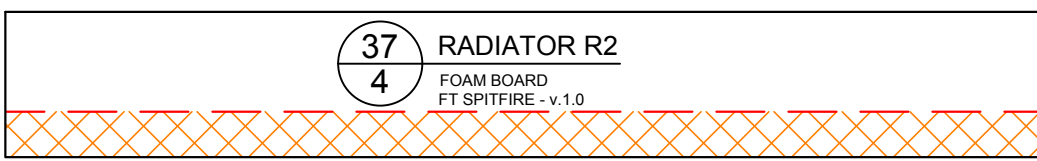




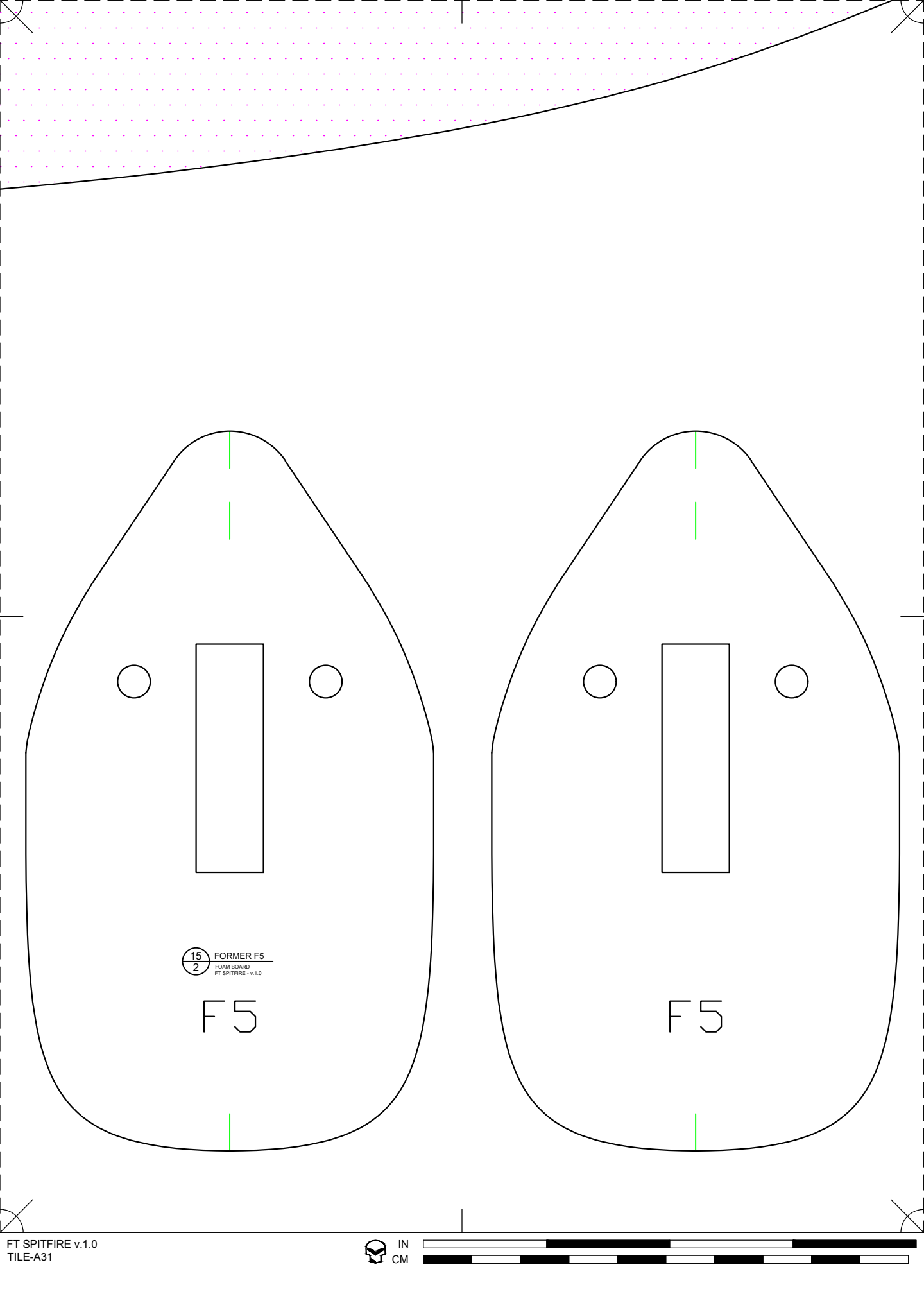
**36**  
**2** **RADIATOR R1**  
FOAM BOARD  
FT SPITFIRE - v.1.0



**37**  
**4** **RADIATOR R2**  
FOAM BOARD  
FT SPITFIRE - v.1.0



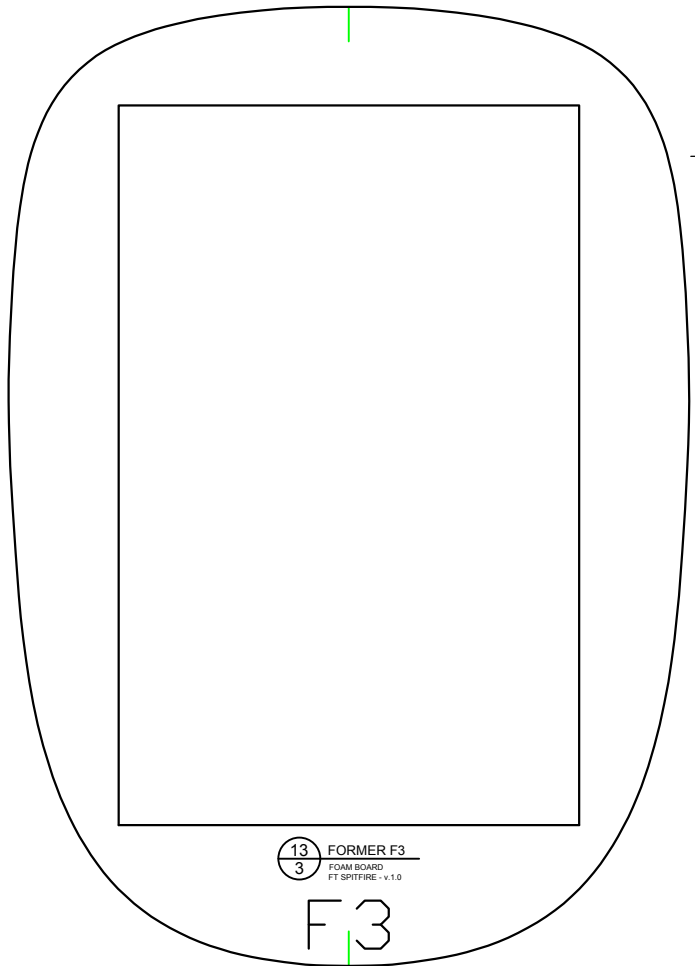
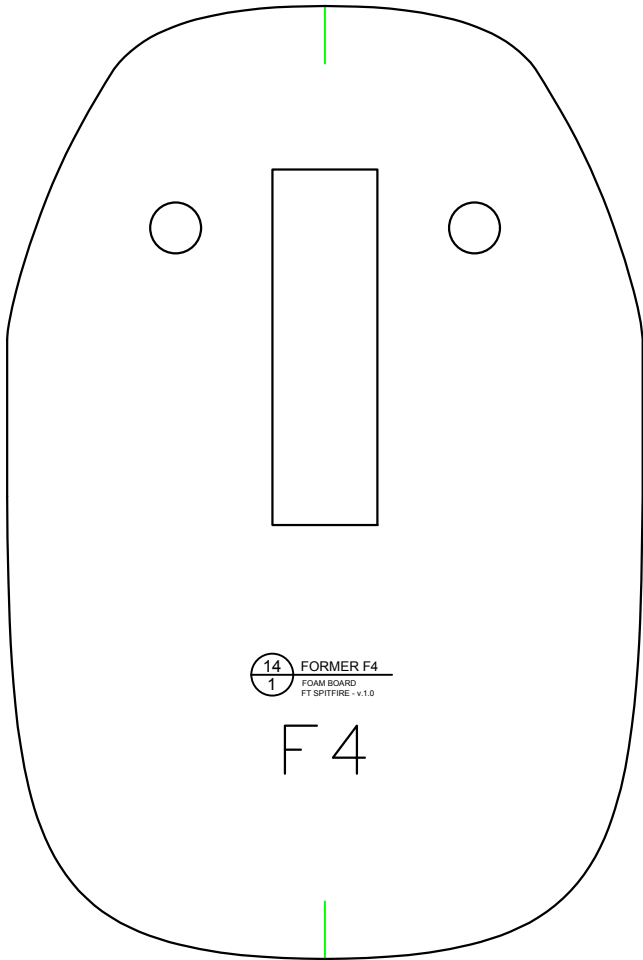
**37**  
**4** **RADIATOR R2**  
FOAM BOARD  
FT SPITFIRE - v.1.0



15 FORMER F5  
2 FOAM BOARD  
FT SPITFIRE - v.1.0

F5

F5





IN  
CM

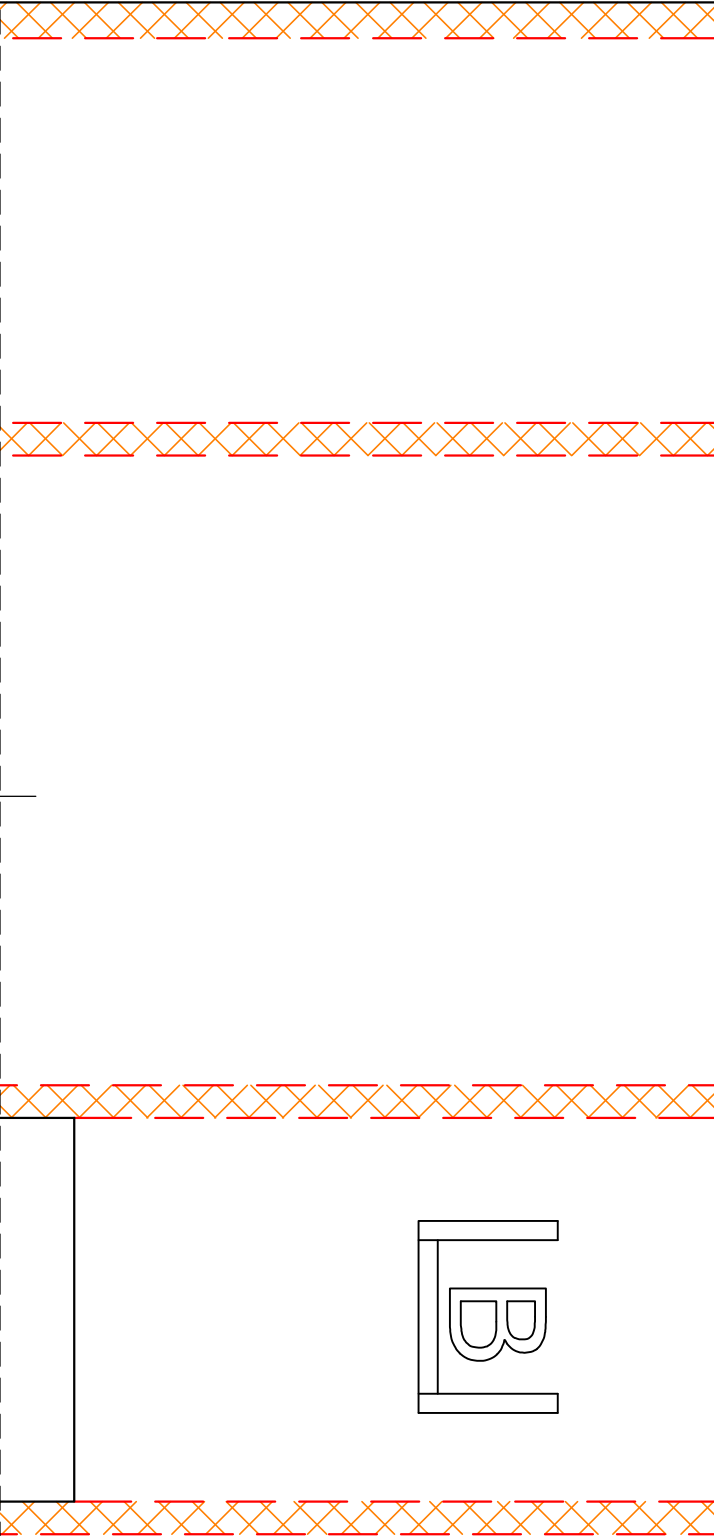


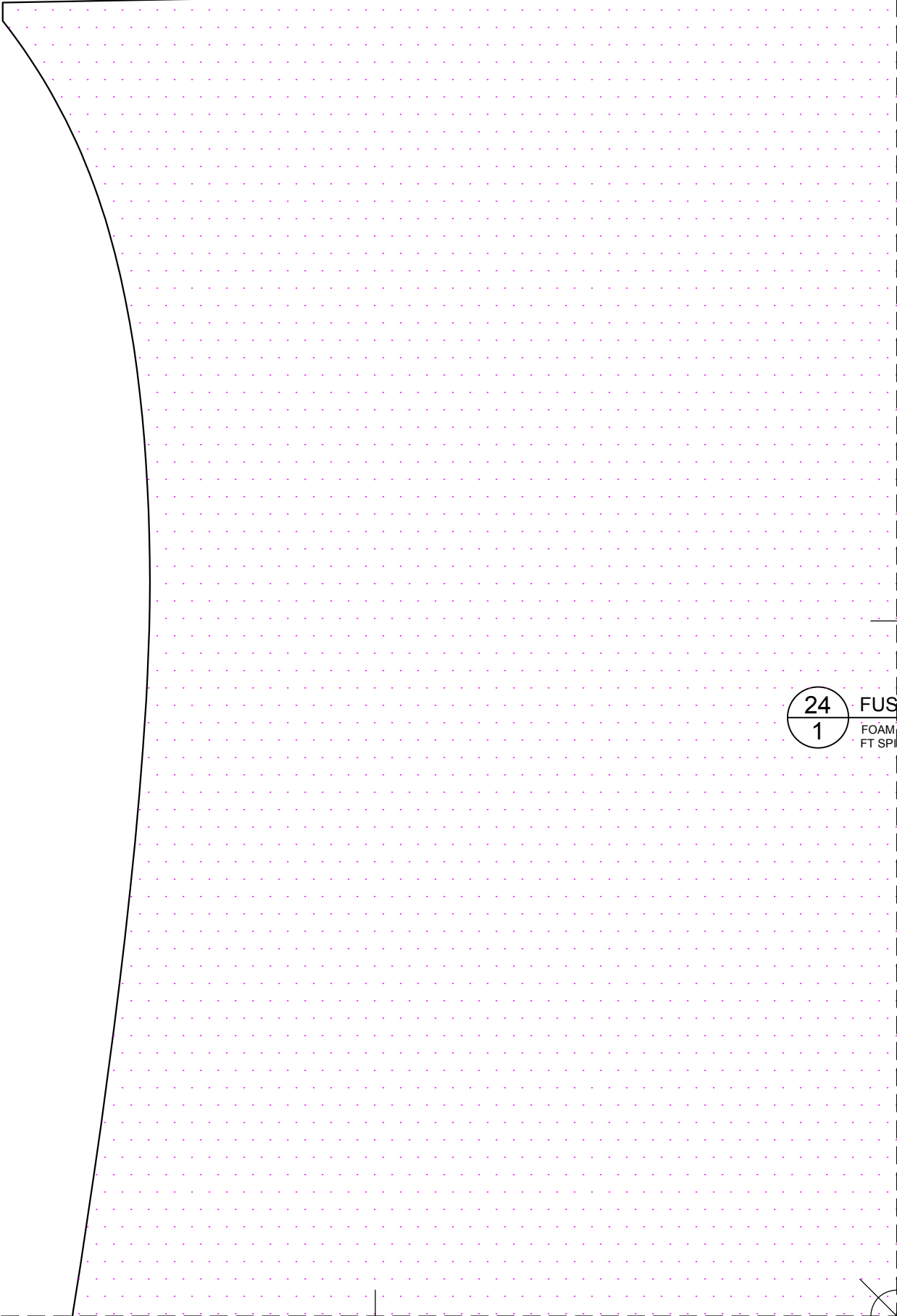
18  
1

**BATTERY BOX**

FOAM BOARD  
FT SPITFIRE - v.1.0







24  
1

FUS  
FOAM  
FT SPI

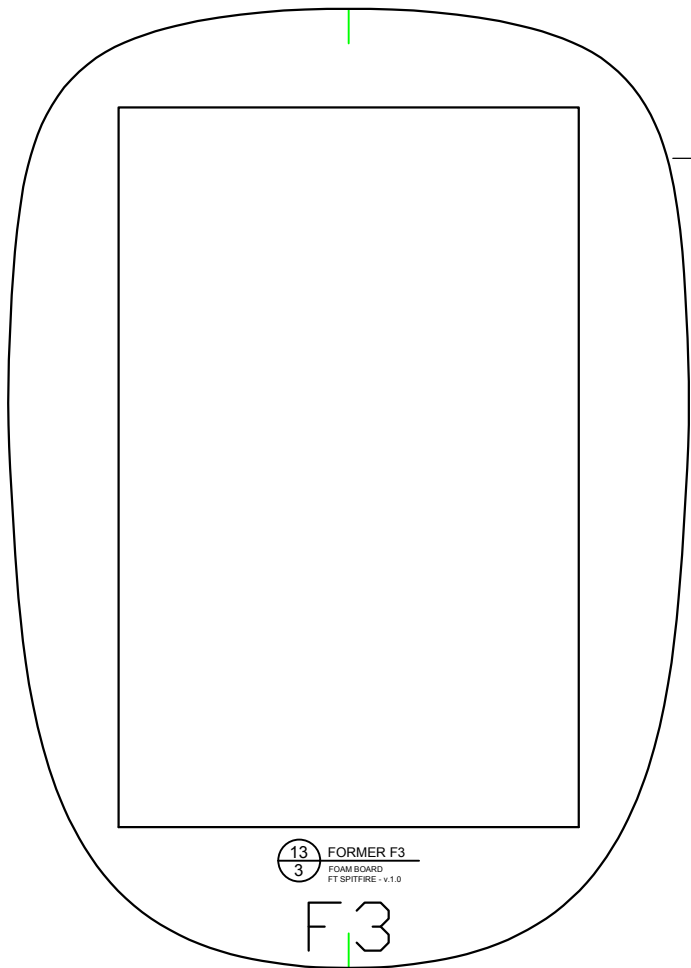
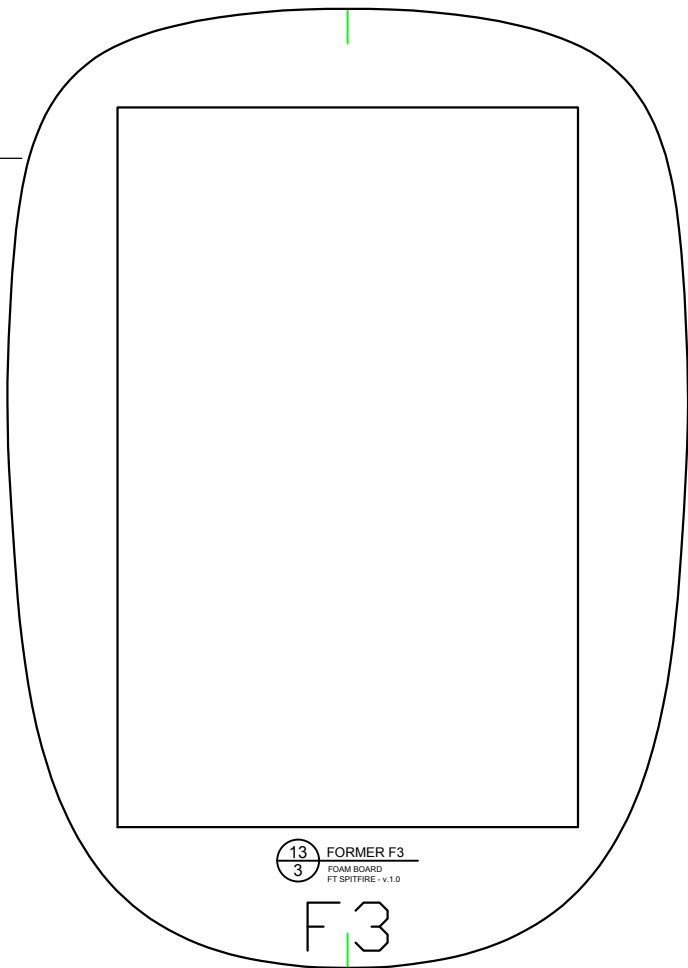


IN  
CM

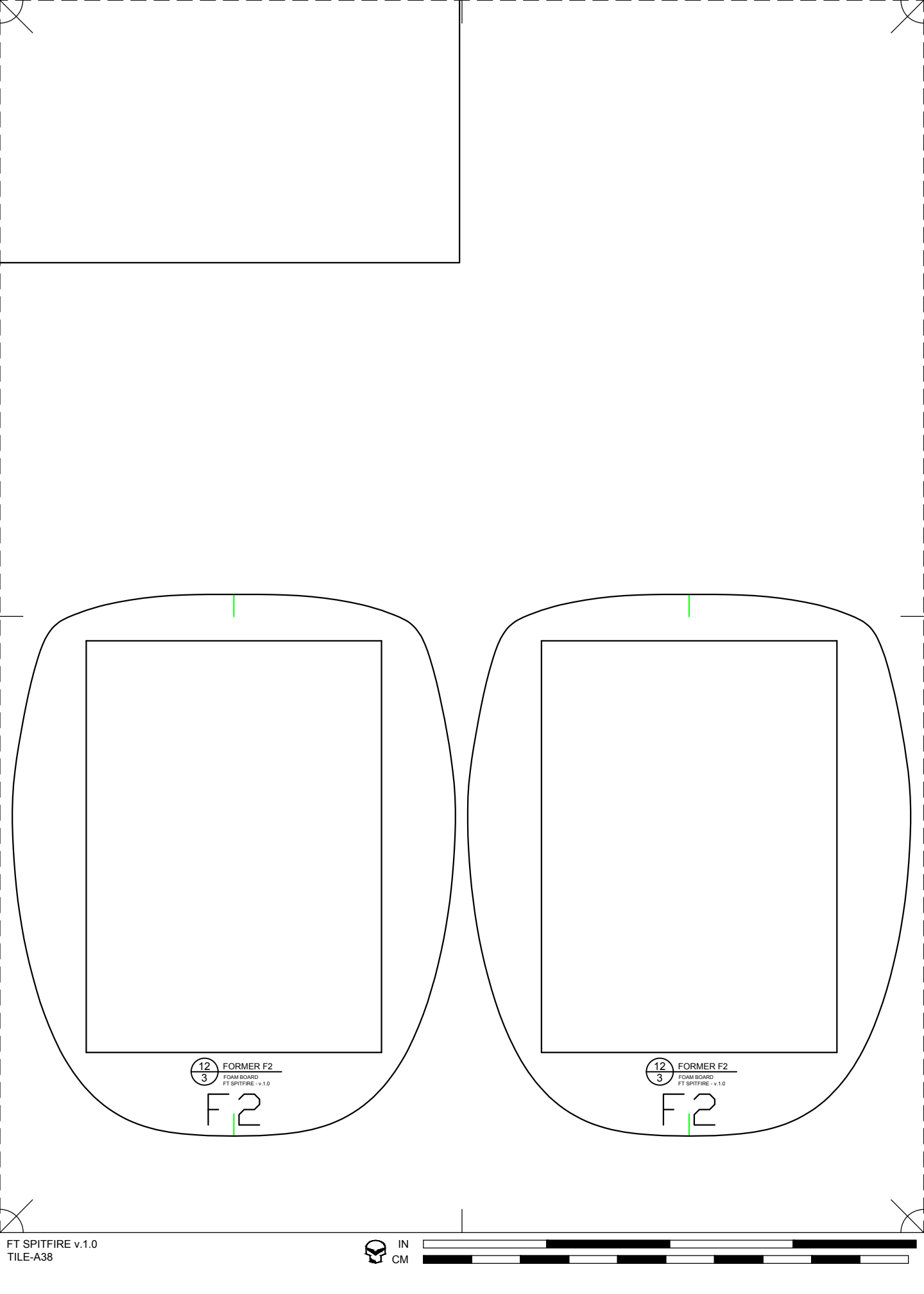


ELAGE P6

BOARD  
TFIRE - v.1.0





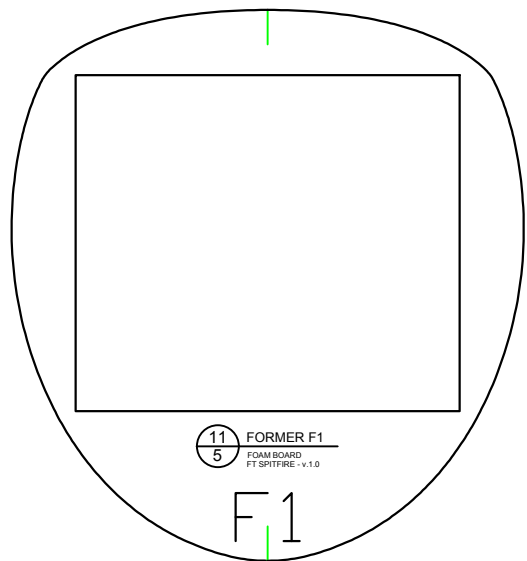
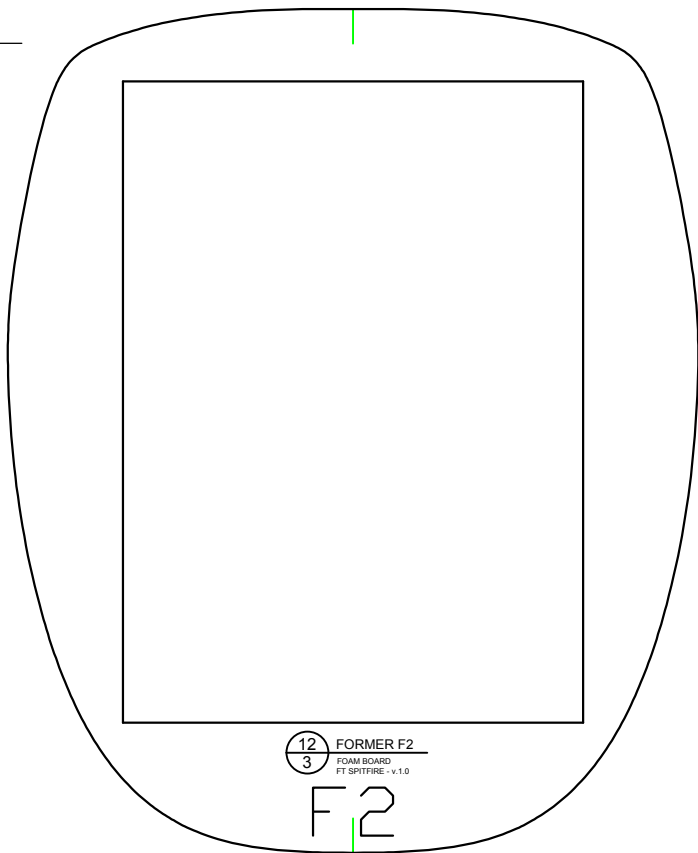
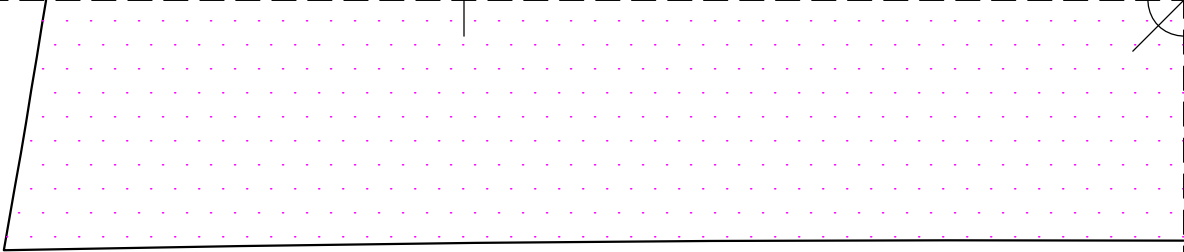


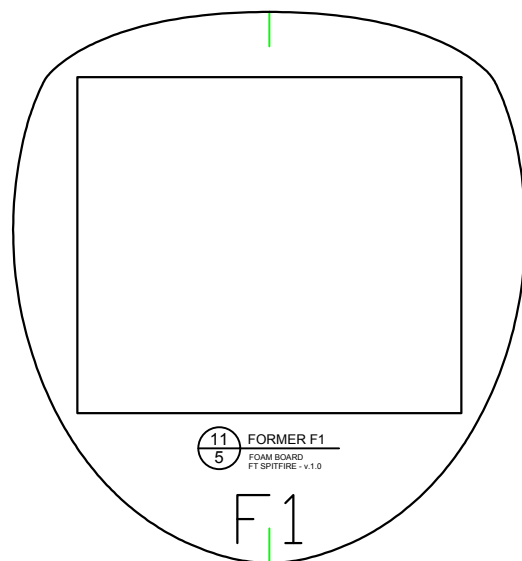
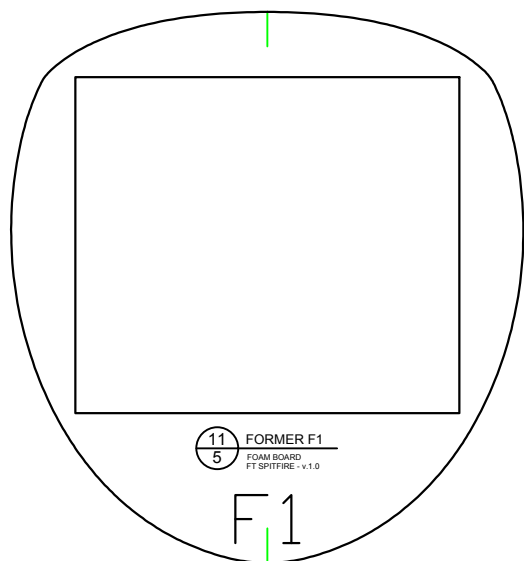
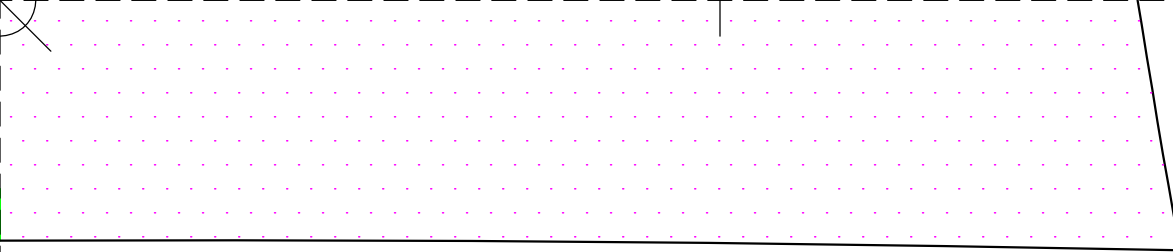
12 FORMER F2  
3 FOAM BOARD  
FT SPITFIRE - v.1.0

F2

12 FORMER F2  
3 FOAM BOARD  
FT SPITFIRE - v.1.0

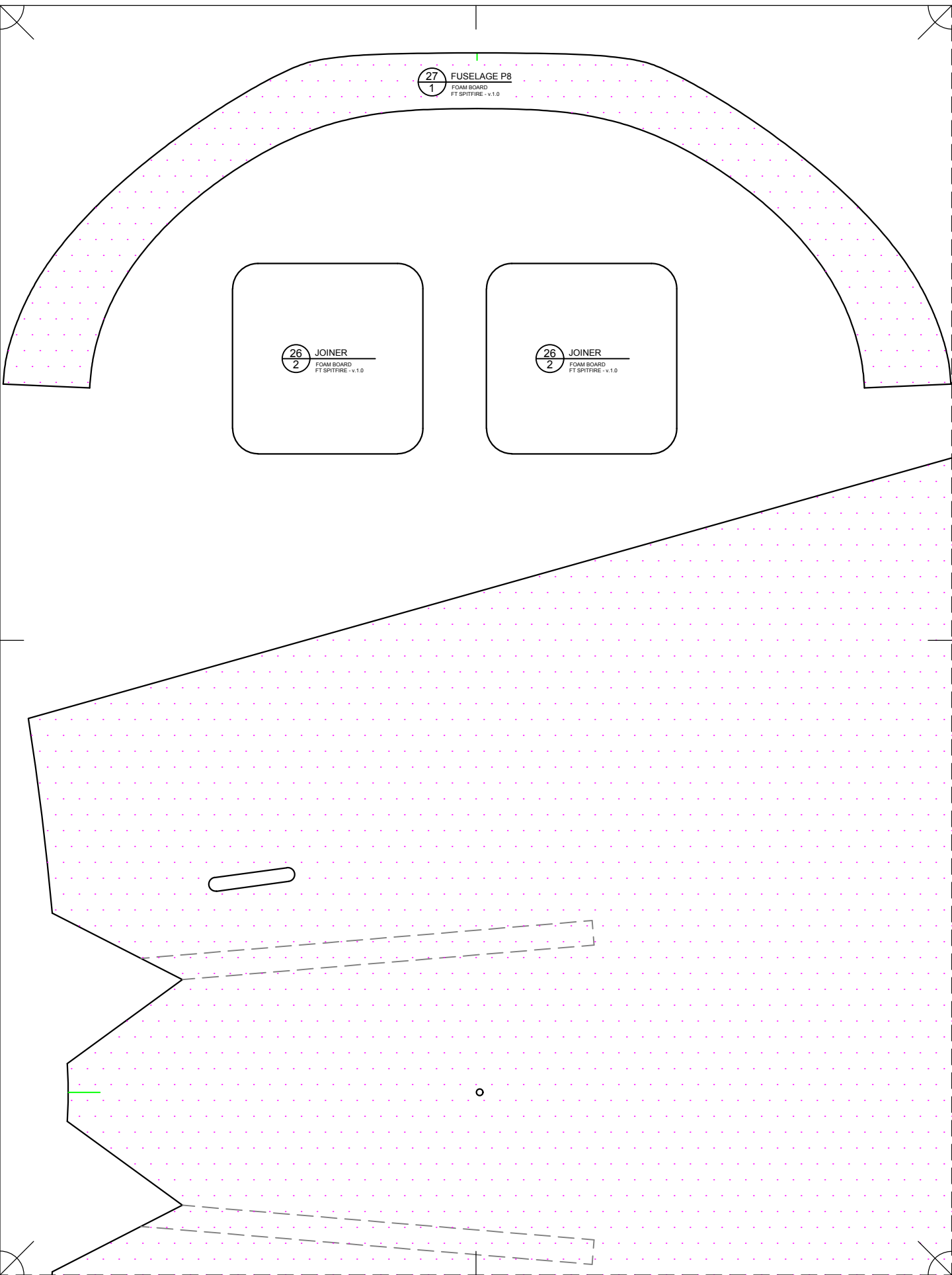
F2







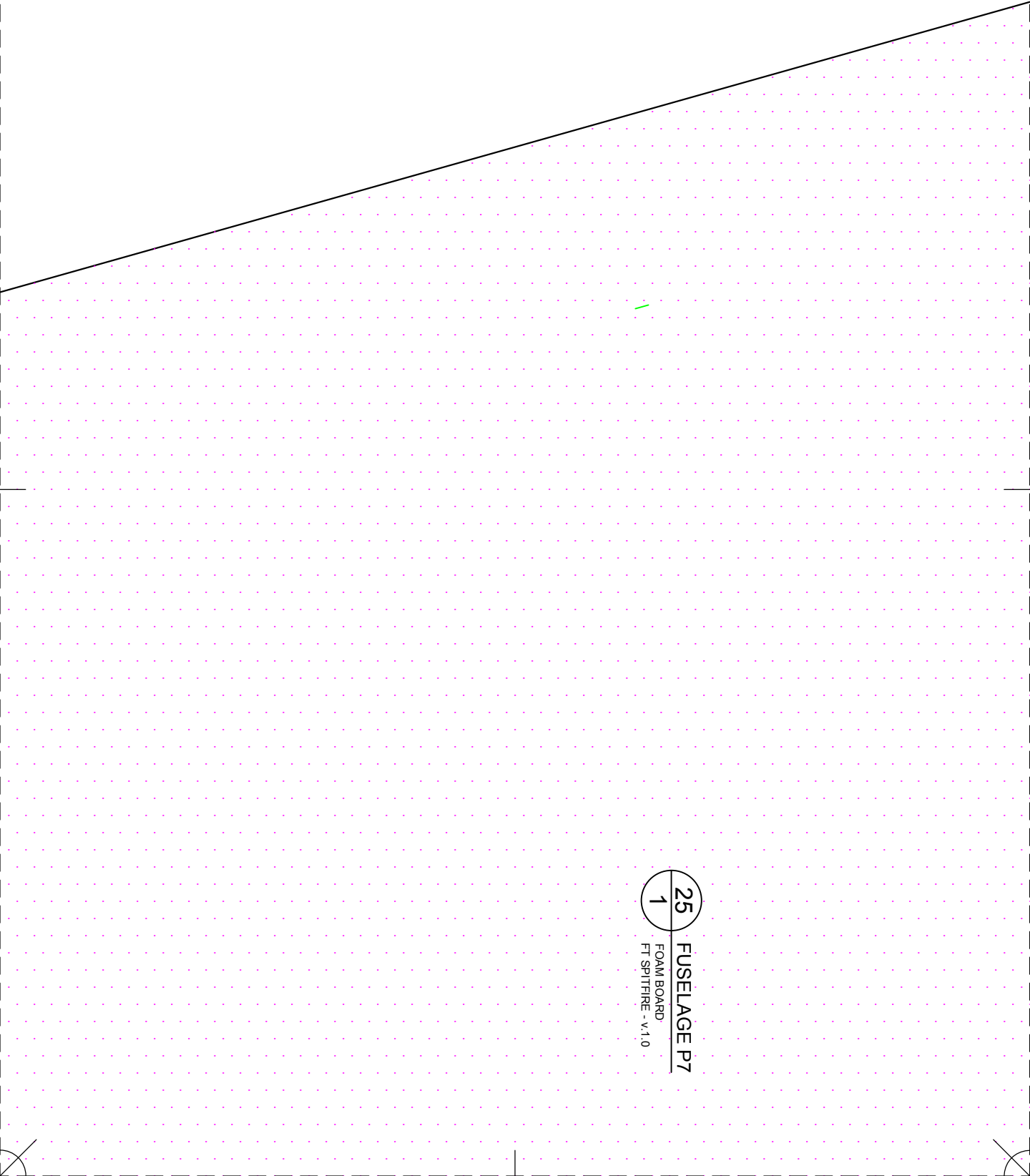
IN  
CM



27  
1 FUSELAGE P8  
FOAM BOARD  
FT SPITFIRE - v.1.0

26  
2 JOINER  
FOAM BOARD  
FT SPITFIRE - v.1.0

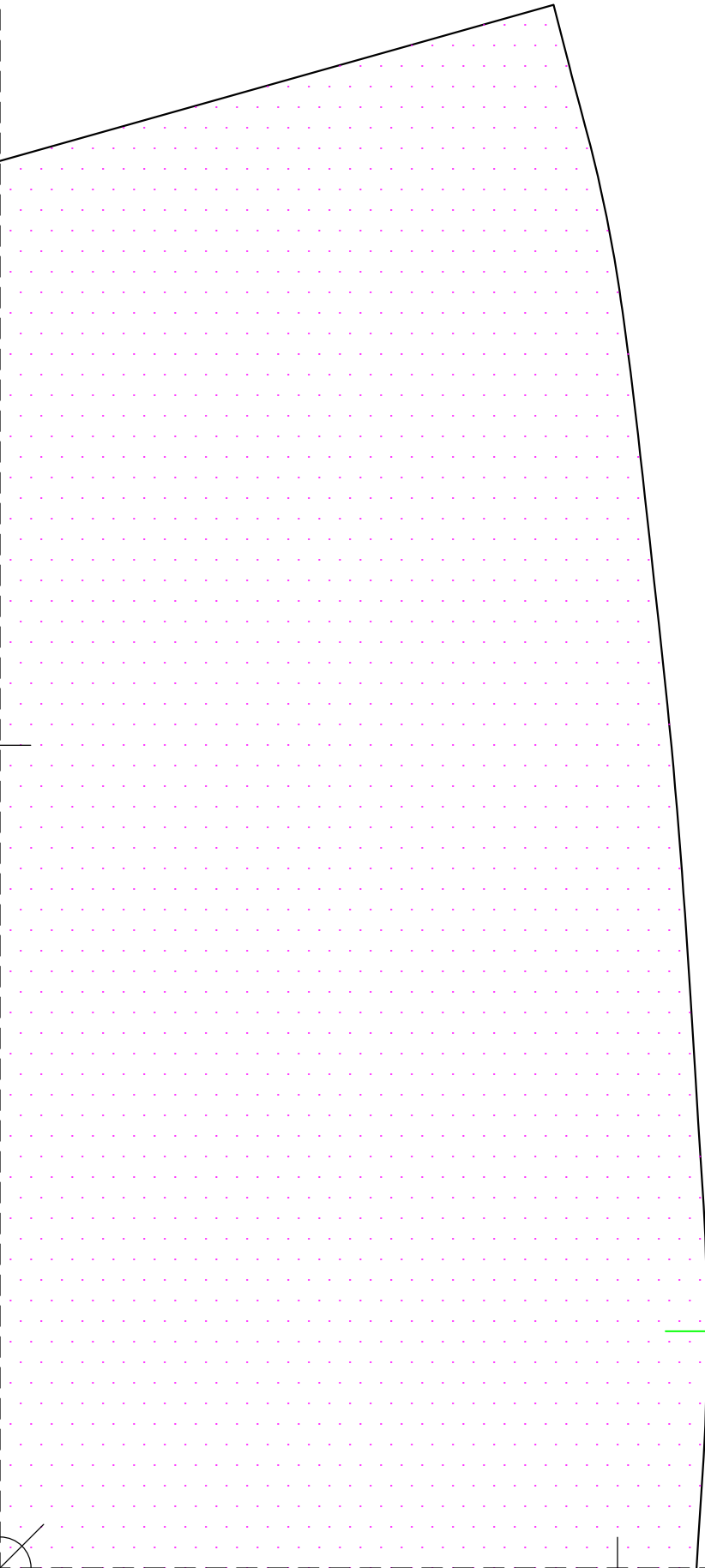
26  
2 JOINER  
FOAM BOARD  
FT SPITFIRE - v.1.0

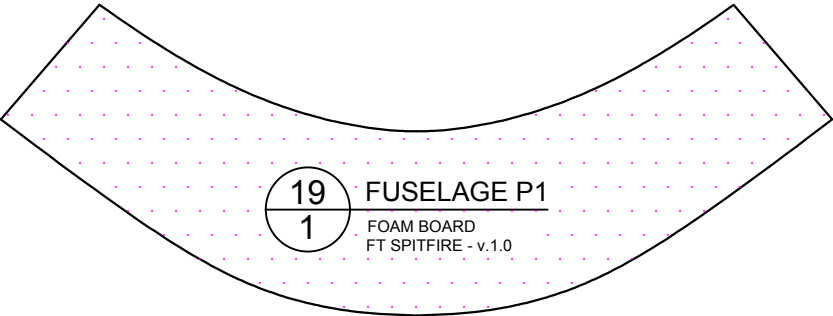


25  
1  
FUSELAGE P7  
FOAM BOARD  
FT SPITFIRE - v.1.0



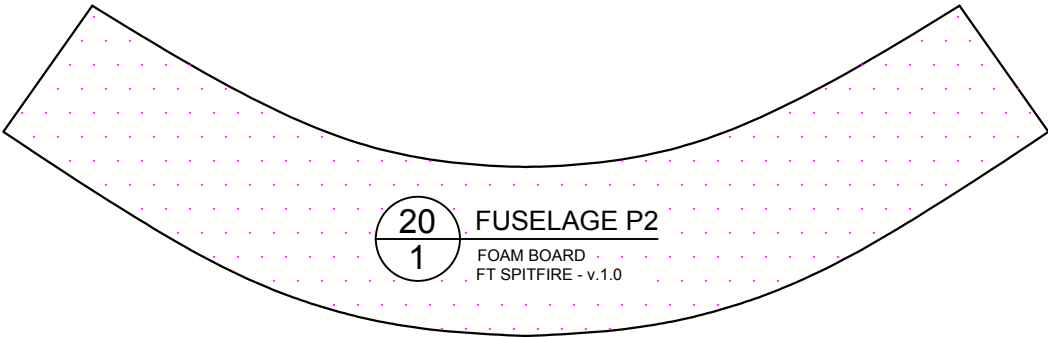
IN  
CM





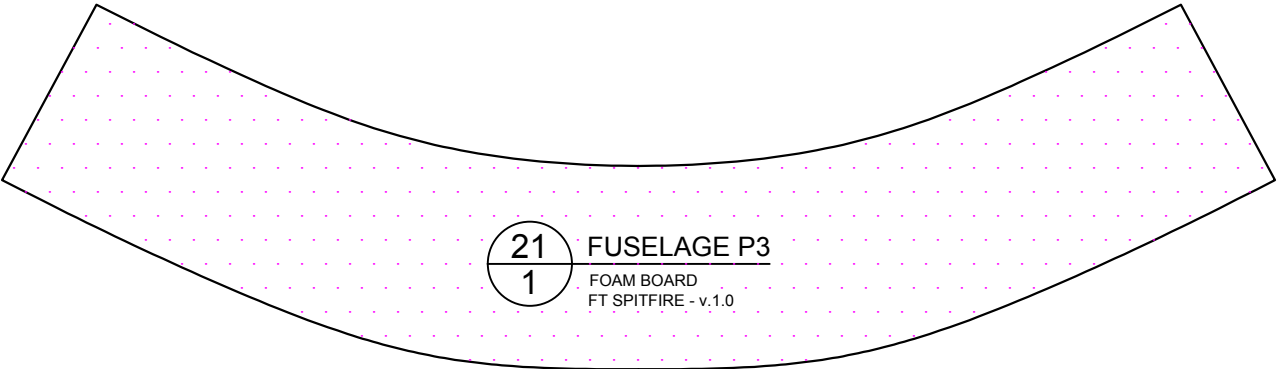
FUSELAGE P1

FOAM BOARD  
FT SPITFIRE - v.1.0



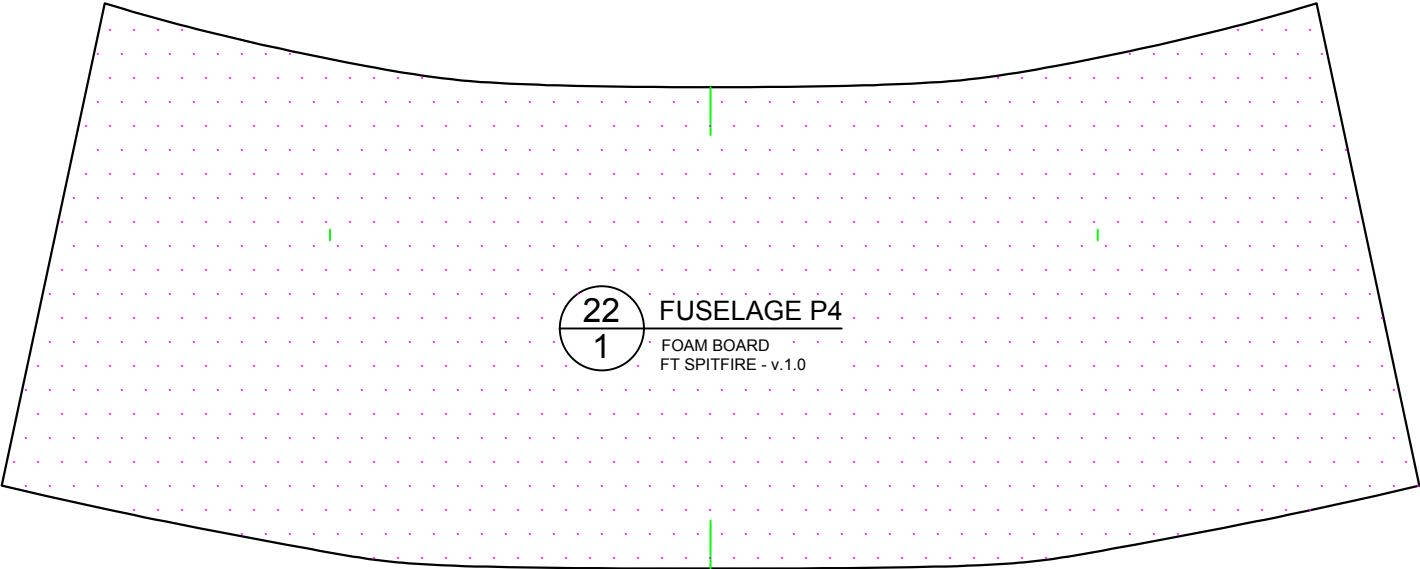
FUSELAGE P2

FOAM BOARD  
FT SPITFIRE - v.1.0



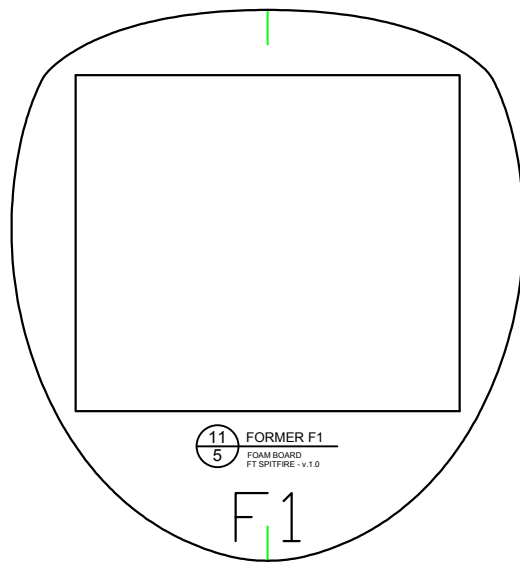
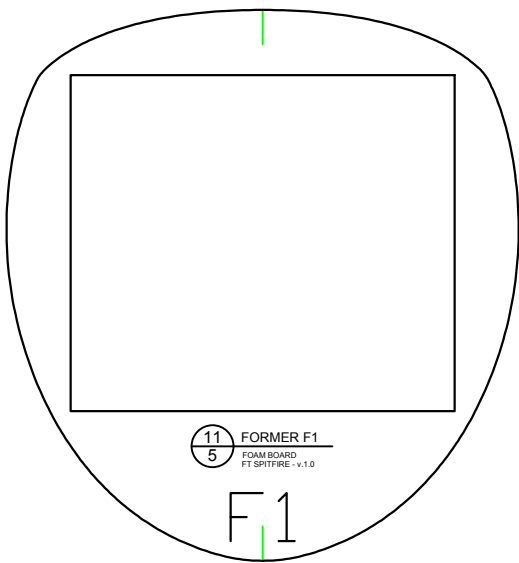
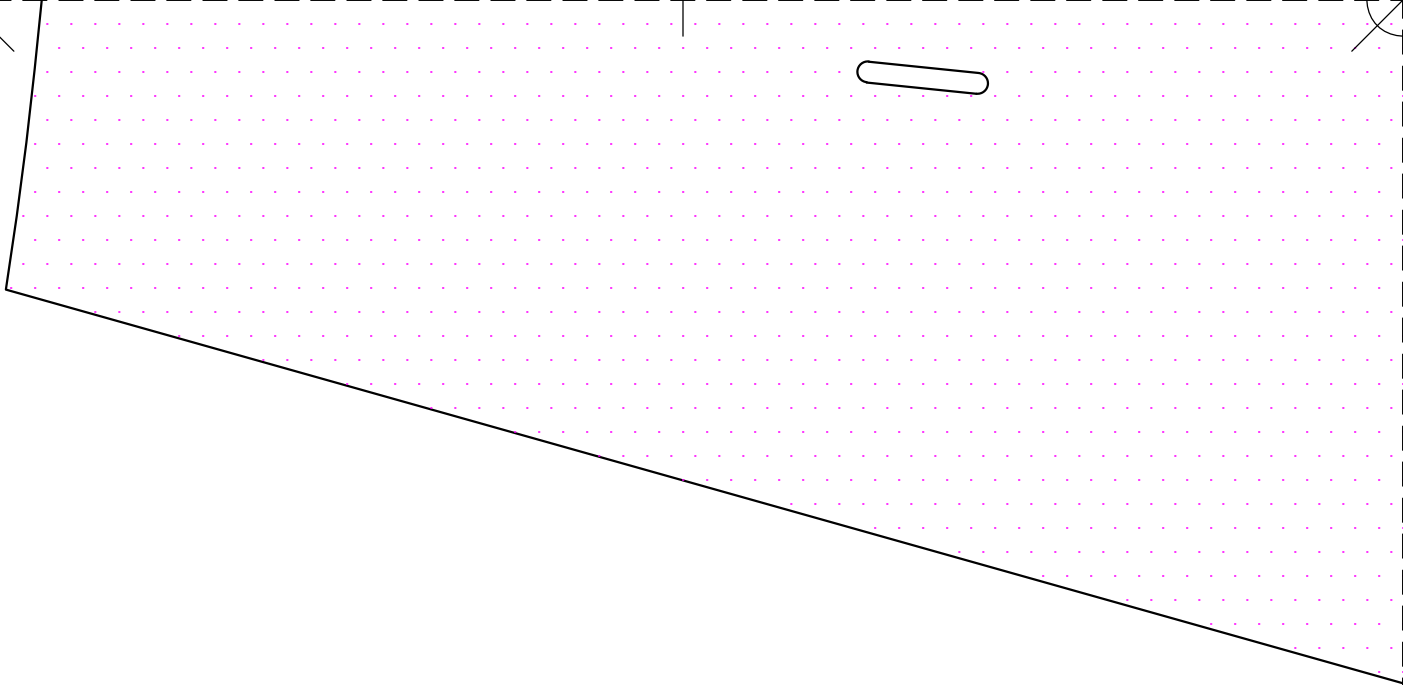
FUSELAGE P3

FOAM BOARD  
FT SPITFIRE - v.1.0

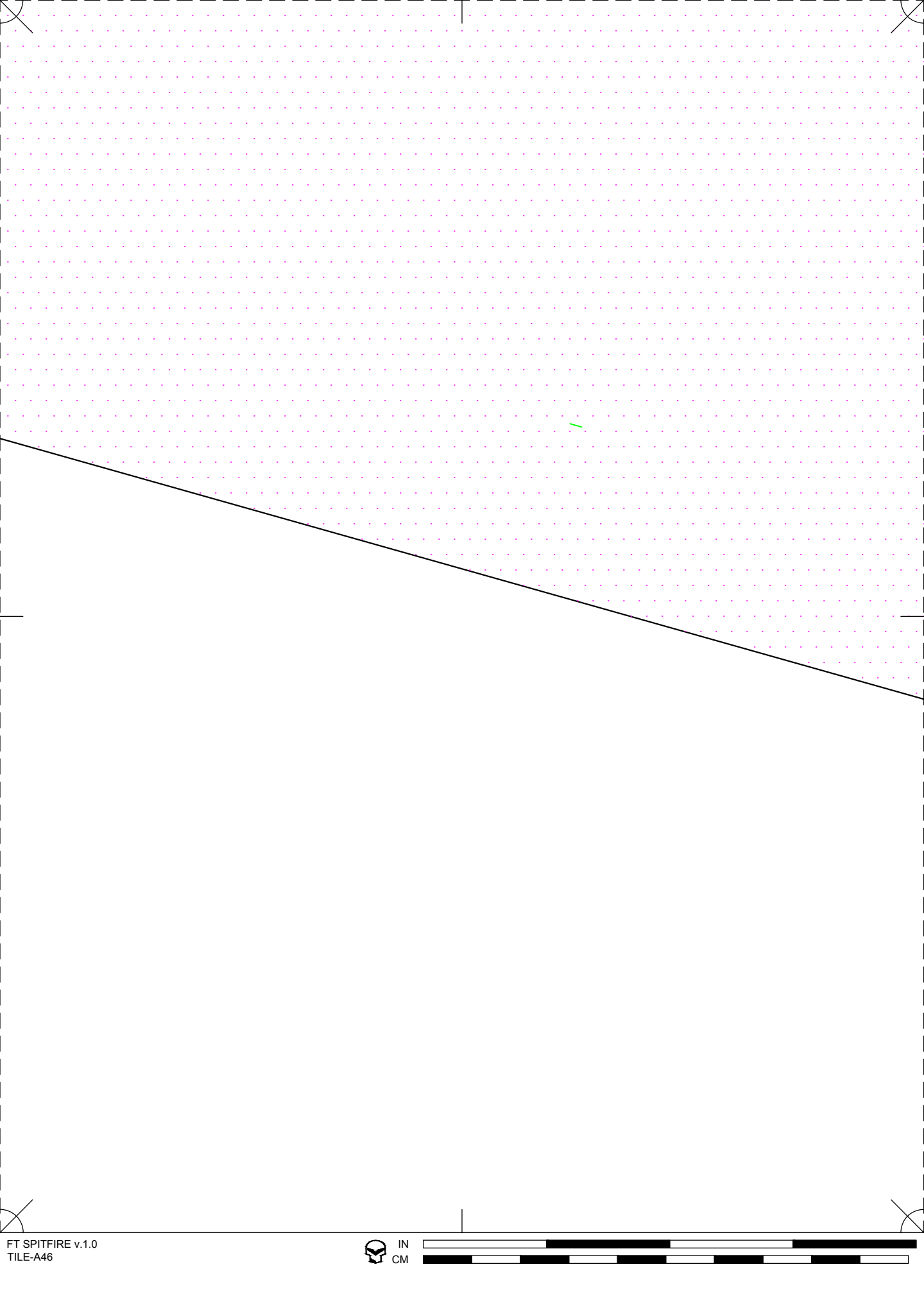


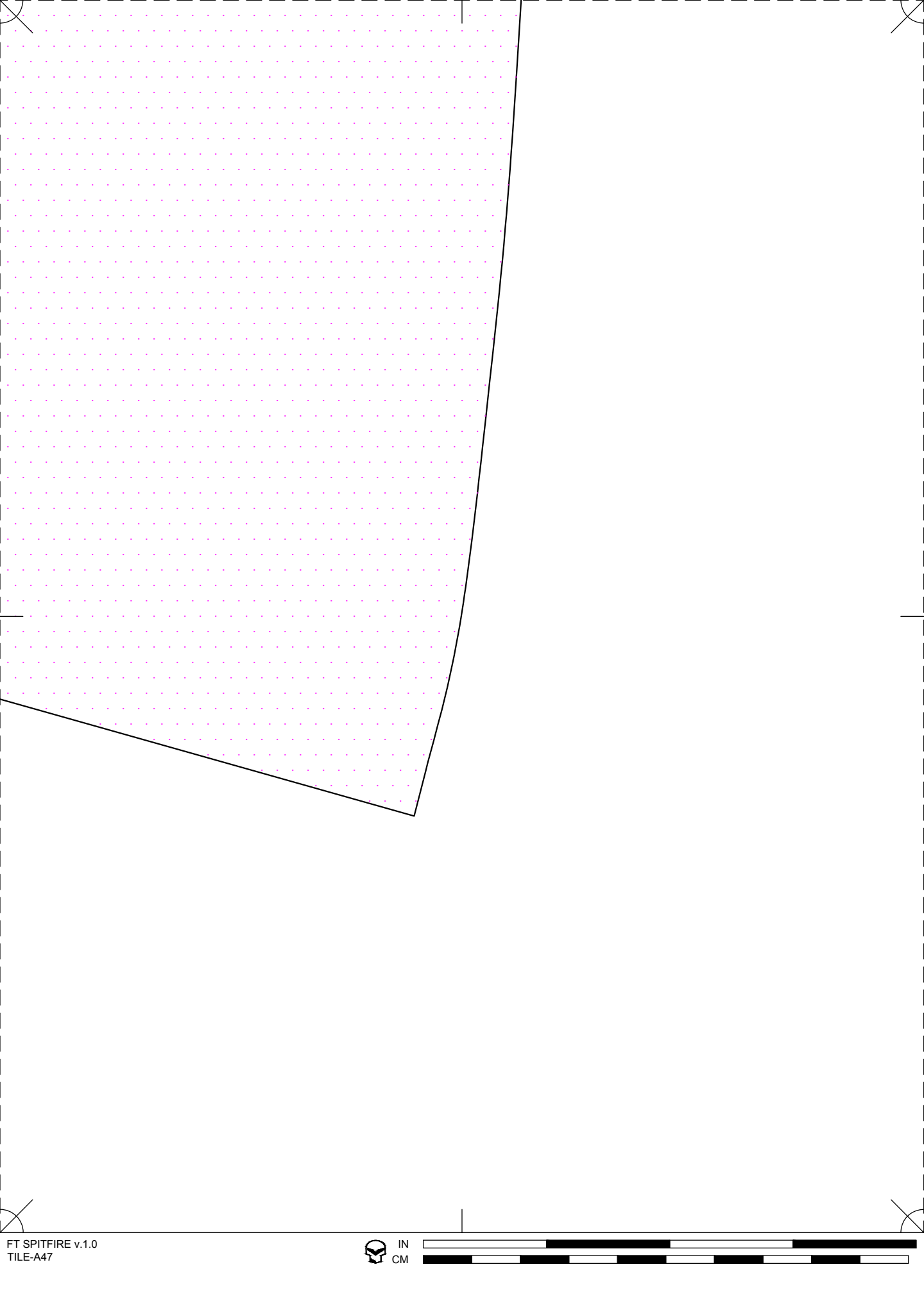
FUSELAGE P4

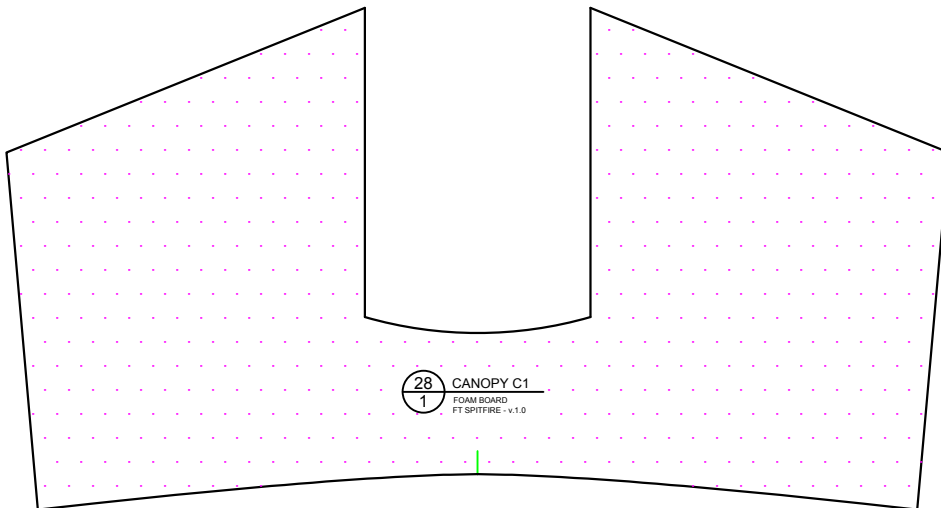
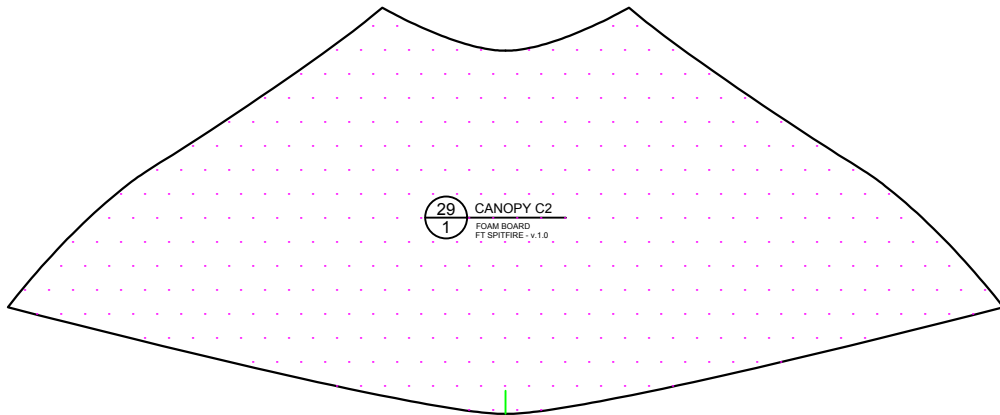
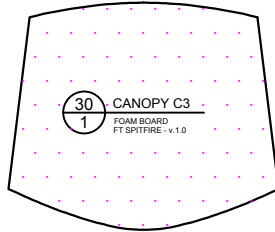
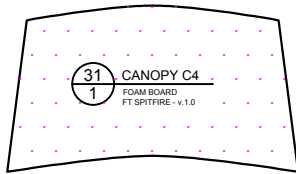
FOAM BOARD  
FT SPITFIRE - v.1.0





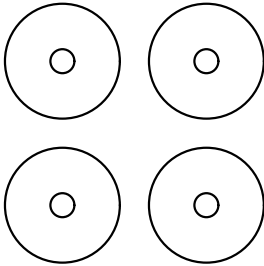
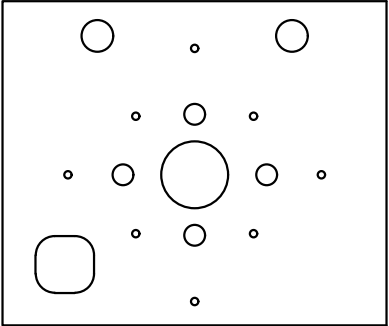
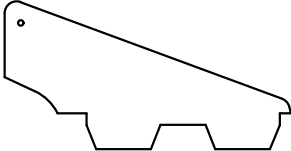
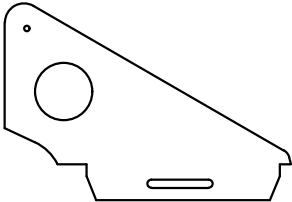
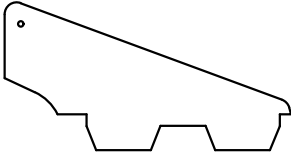
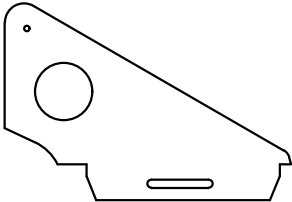
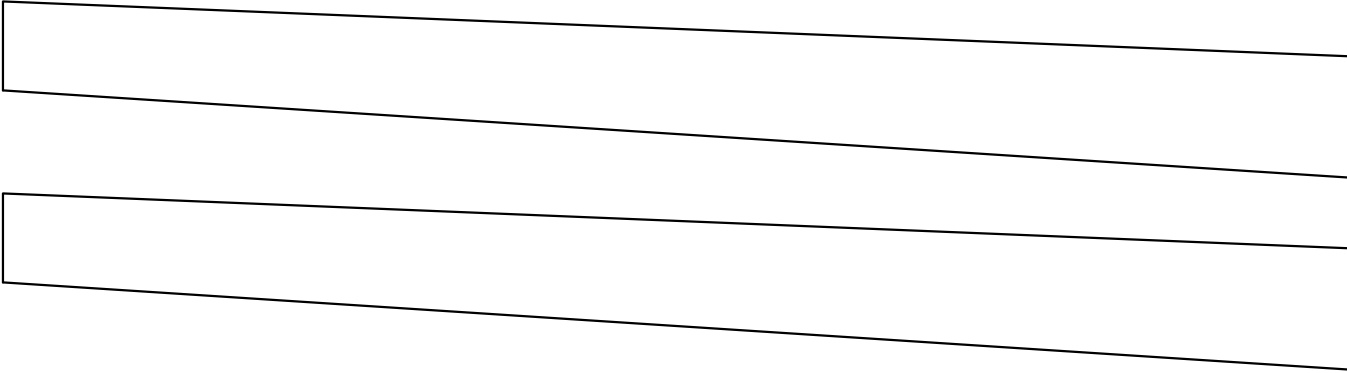








IN  
CM





IN  
CM



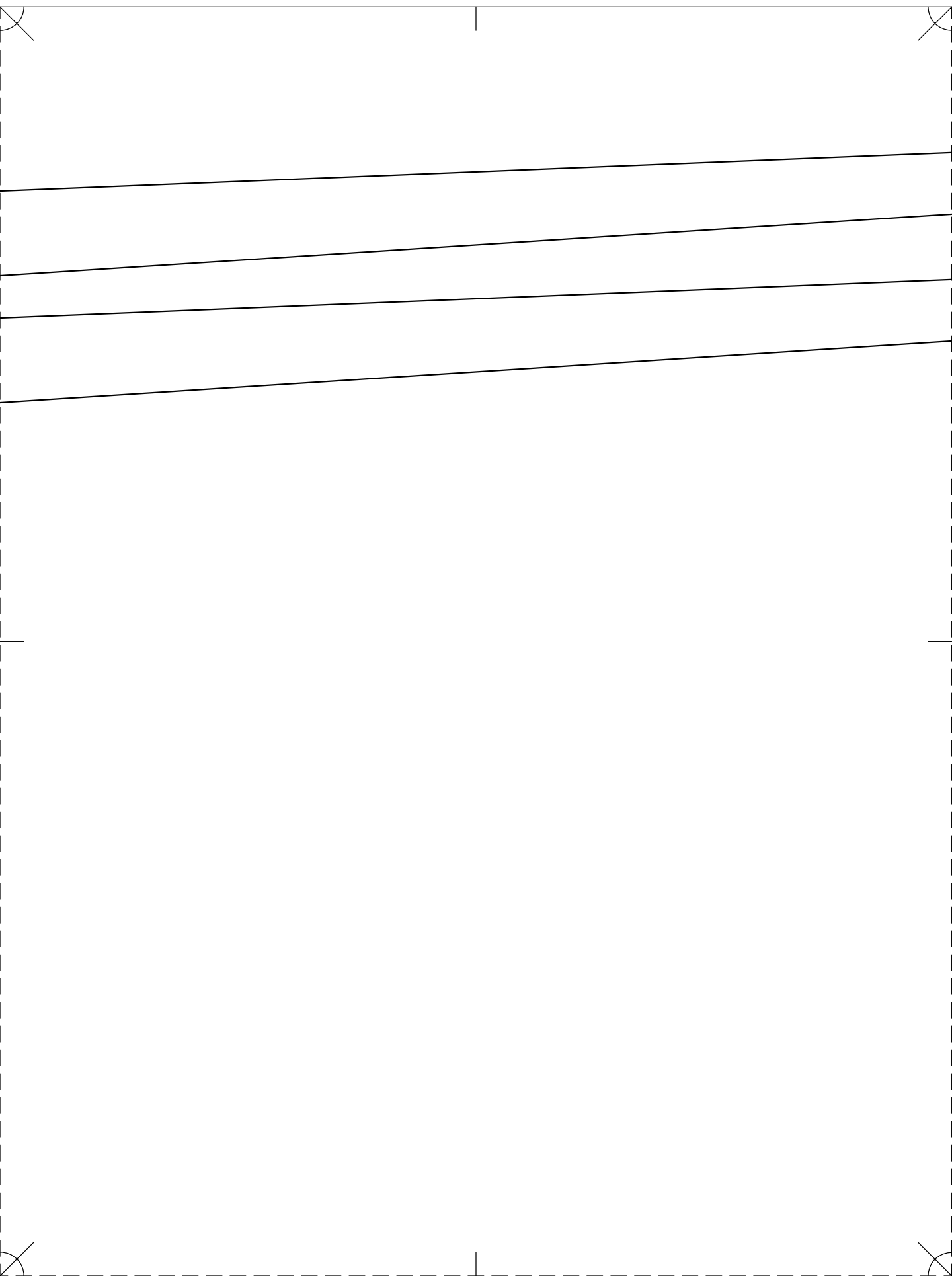
ALL PLYWOOD  
3/32 THICK

SPITFIRE

SPITFIRE



IN  
CM





IN  
CM

