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# Flite Test Master Series P-51 Mustang

Design By: John Overstreet

Plans By: Dan Sponholz

Version: 1.0

Date: 2020.05.26



## GENERAL SPECIFICATIONS:

LENGTH:	41.0 in	1042 mm
CG:	3.0 in	76 mm
WINGSPAN:	48.25 in	1225 mm
WING AREA:	400 in <sup>2</sup>	26 dm <sup>2</sup>
DRY WEIGHT:	18.3 oz.	520 g
ALL UP WEIGHT:	26.2 oz.	744 g
WING LOADING:	9.5 oz/ft <sup>2</sup>	29 g/dm <sup>2</sup>
WCL:	5.7	
THROWS:	12°	
EXPO:	30%	
CHANNELS:	4	[THR   AIL   ELE   RUD]

## RECOMMENDED ELECTRONICS:

MOTOR:	2218B 1080 kv [PPC]
PROPELLER:	10 x 4.7
ESC:	35A min.
SERVOS:	4 x 9 g
BATTERY:	2250-3000 mAh 4S

**SPONZ**



## BUILD SKILL LEVEL:

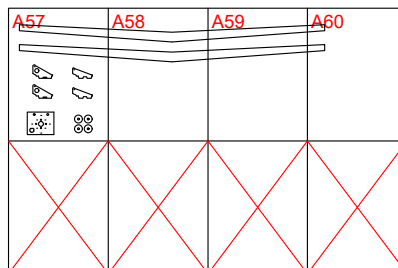
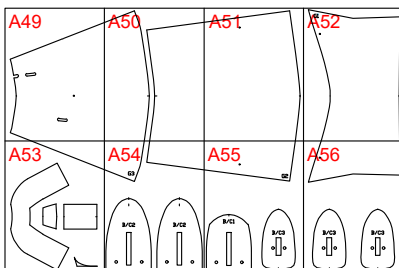
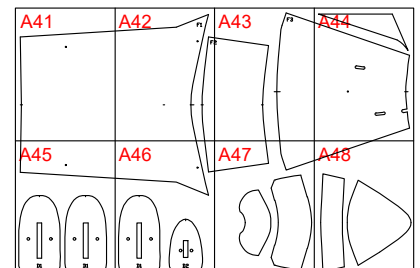
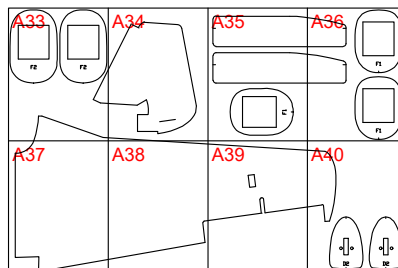
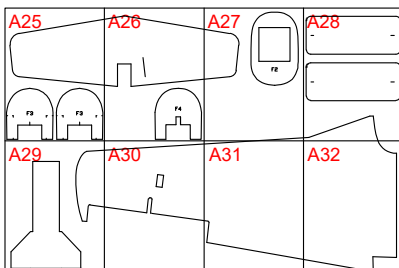
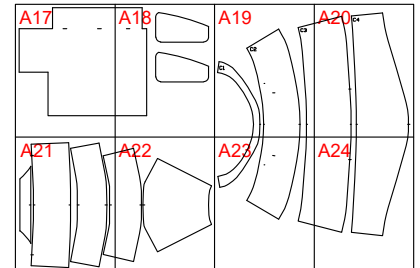
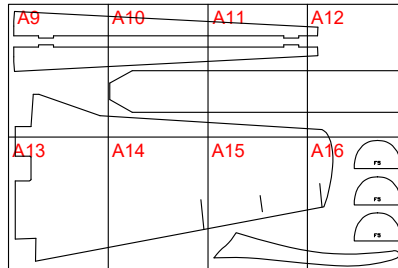
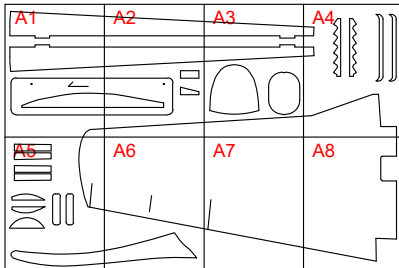


## PILOT SKILL LEVEL:





# FT Mustang: Tile A Key

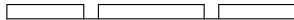
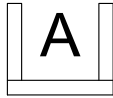




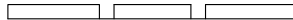
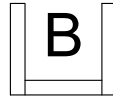
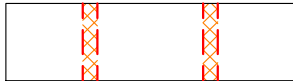
# Drawing Key



## FOLD TYPES



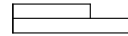
A - FOLD (ABOVE)



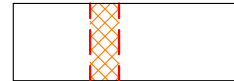
B - FOLD (BESIDE)



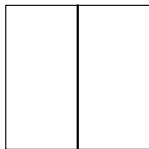
C



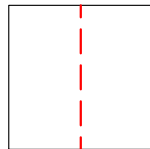
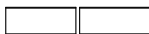
C - FOLD (COVER)



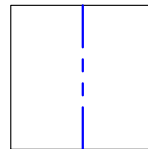
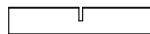
## LINE TYPE/COLOR



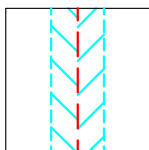
CUT



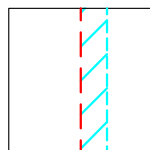
50% SCORE



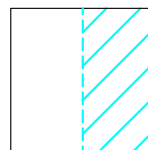
CREASE



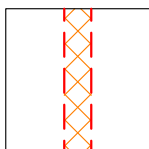
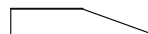
45° DOUBLE  
BEVEL



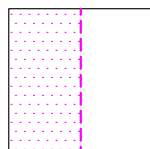
45° SINGLE  
BEVEL



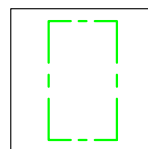
EDGE  
BEVEL



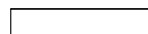
CAVITY



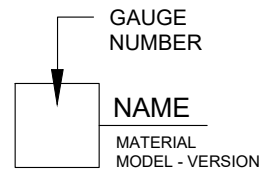
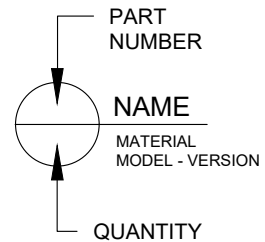
REMOVE  
PAPER



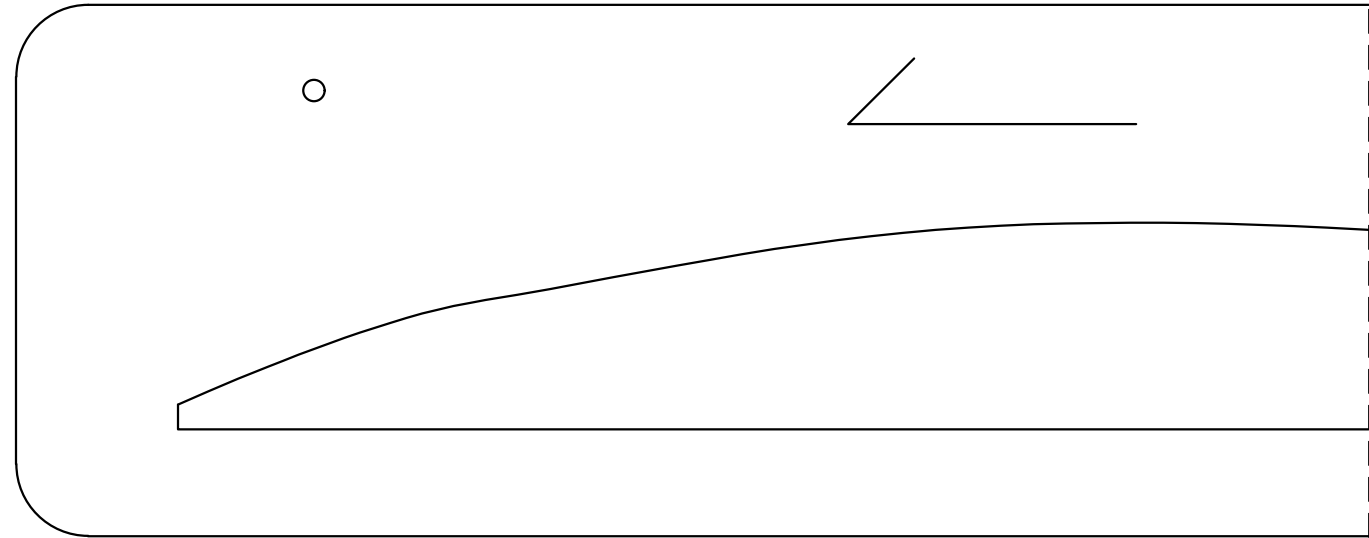
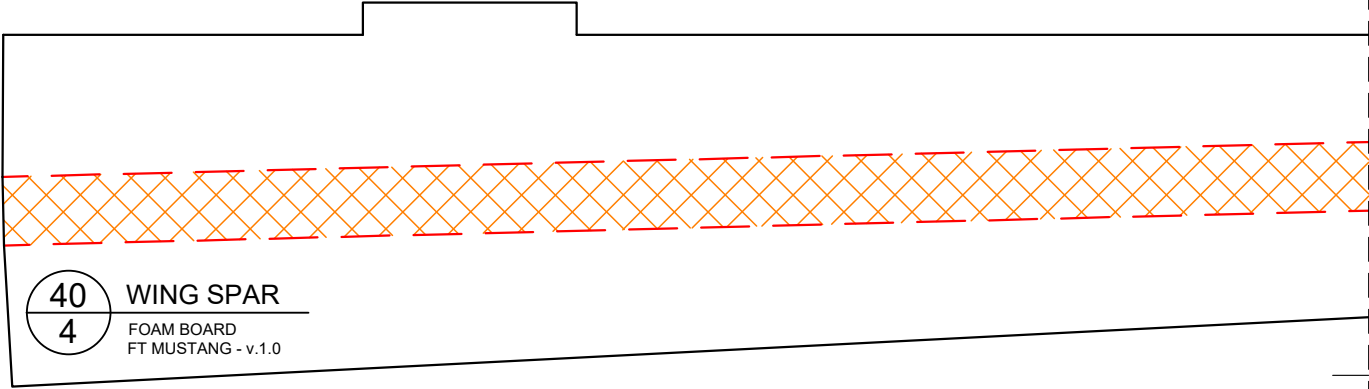
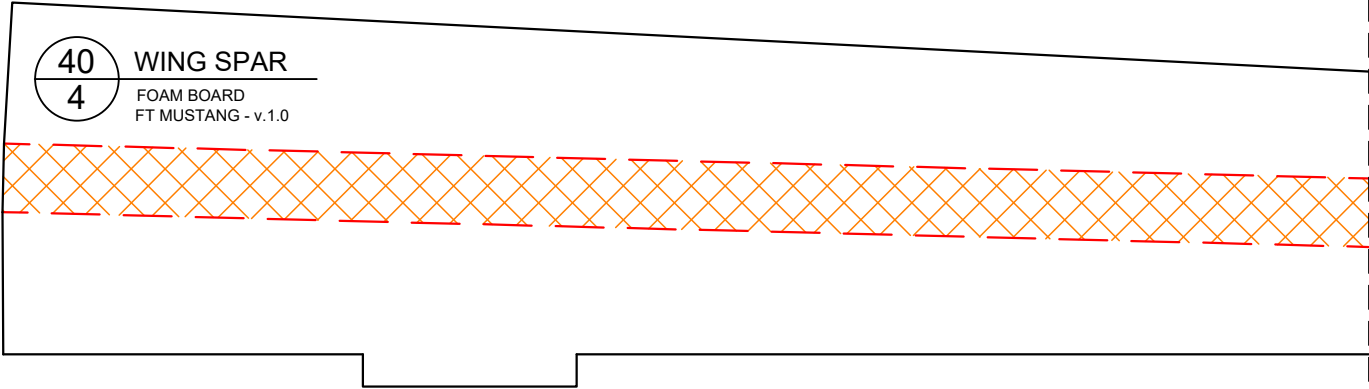
REFERENCE/  
OPTIONAL

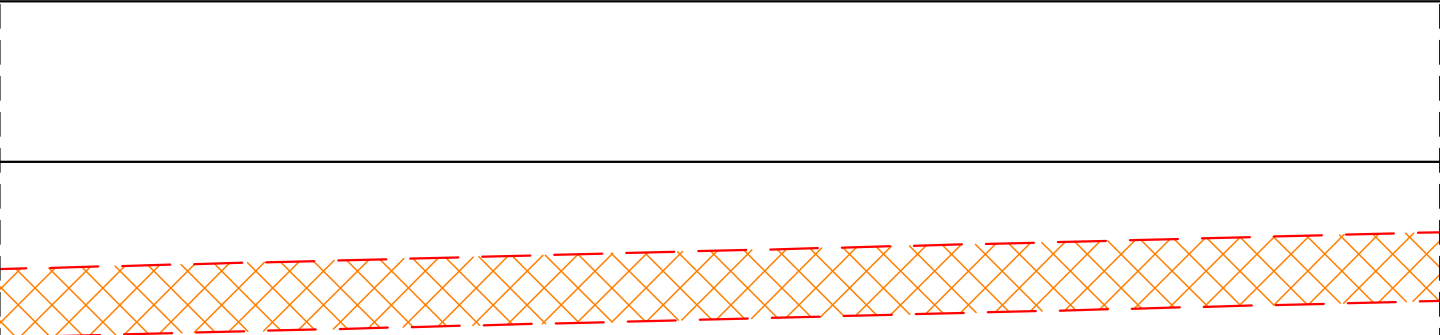
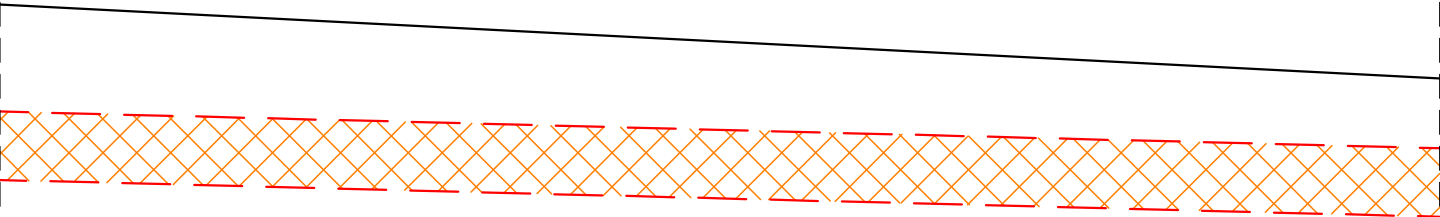


## SYMBOLS



CENTER  
OF  
GRAVITY  
(CG)



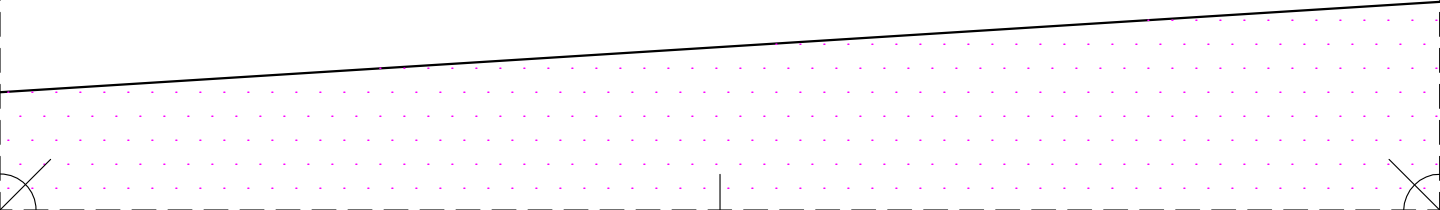
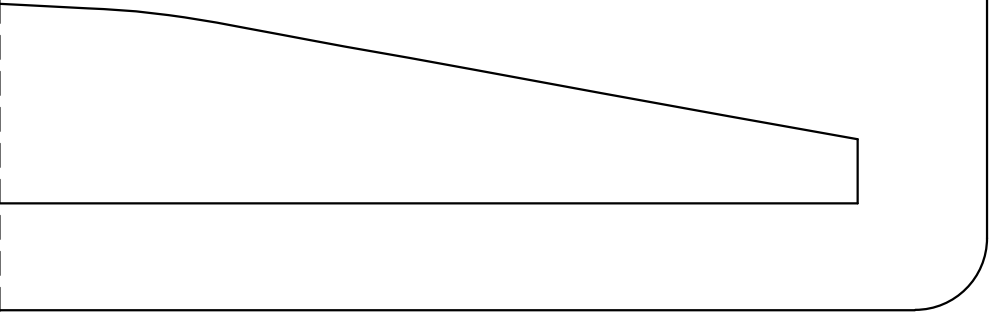


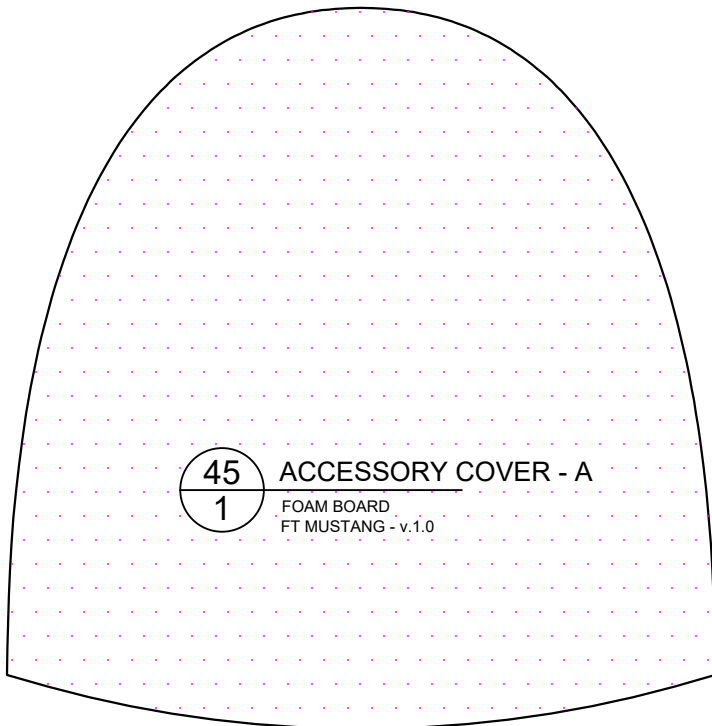
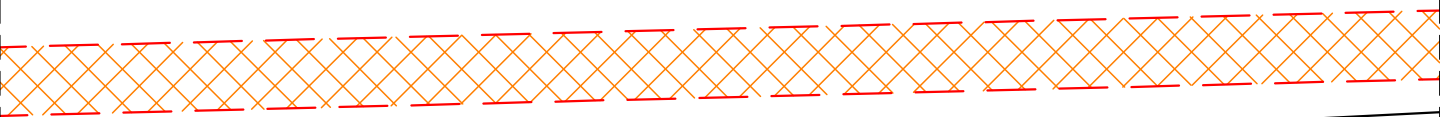
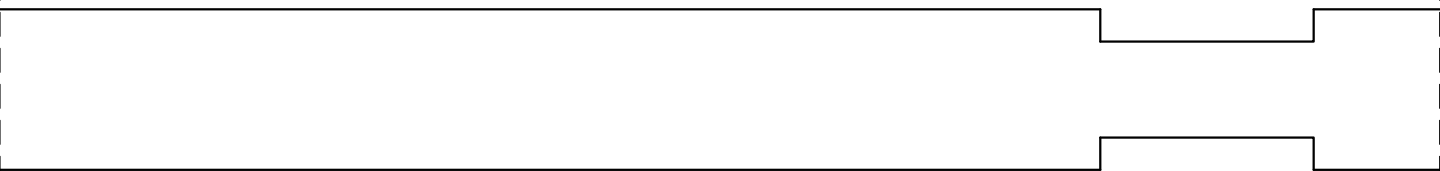
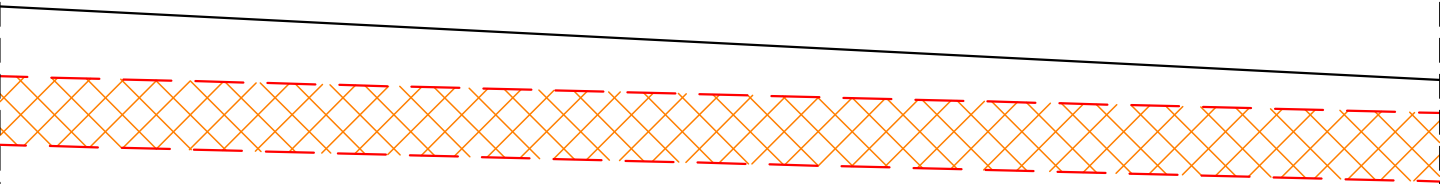
**G1** **WING SLOT TEMPLATE**  
FOAM BOARD  
FT MUSTANG - v.1.0



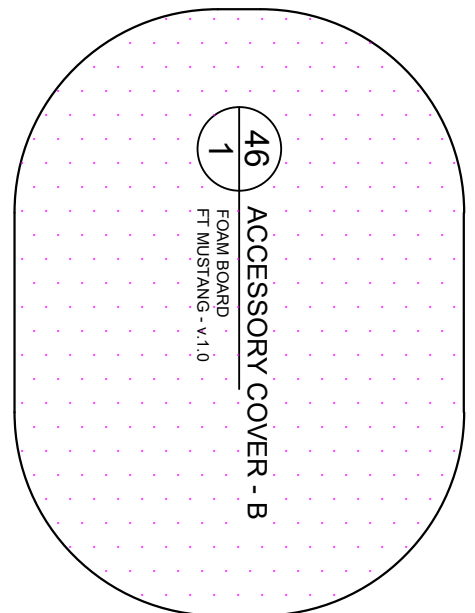
**47** **ACCESSORY COVER - C**  
1  
FOAM BOARD  
FT MUSTANG - v.1.0

**48** **ACCESSORY COVER - D**  
1  
FOAM BOARD  
FT MUSTANG - v.1.0

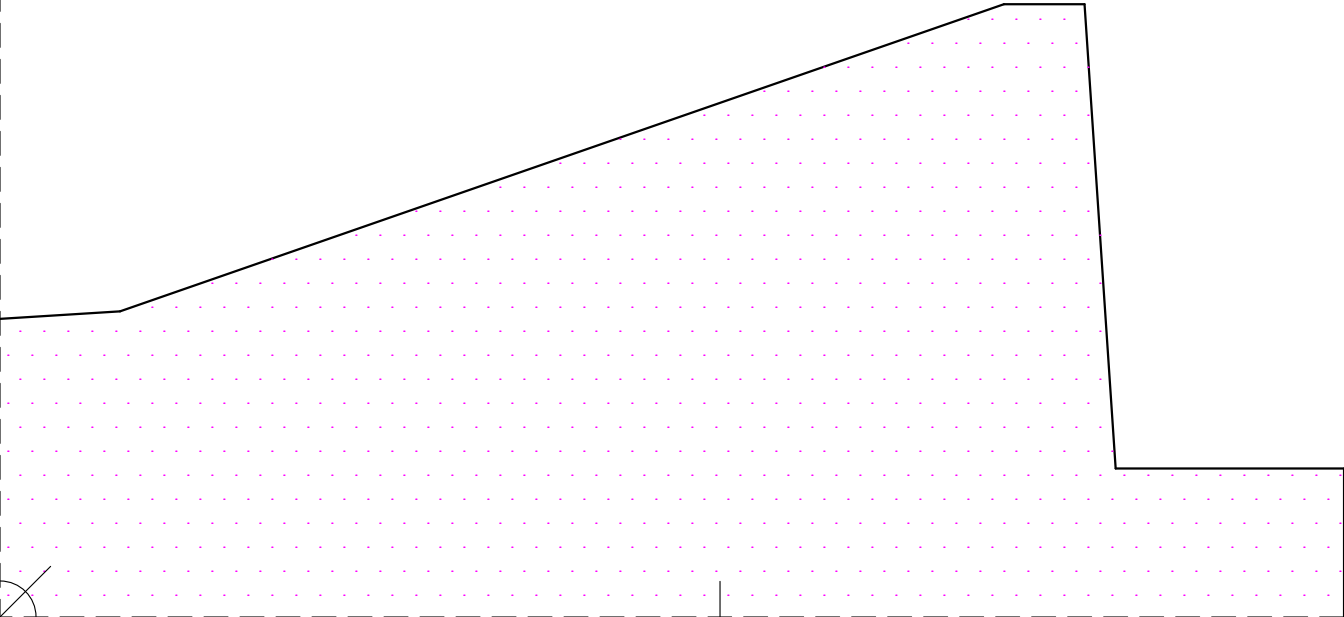
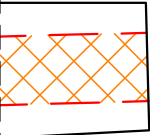
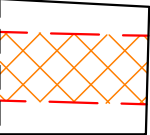
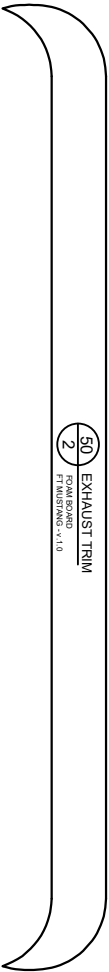
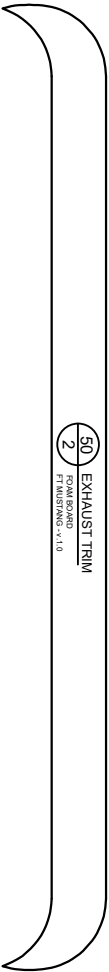




**ACCESSORY COVER - A**  
FOAM BOARD  
FT MUSTANG - v.1.0



**ACCESSORY COVER - B**  
FOAM BOARD  
FT MUSTANG - v.1.0



6  
4

**FORMER SUPPORTS (F3)**

FOAM BOARD  
FT MUSTANG - v.1.0

6  
4

**FORMER SUPPORTS (F3)**

FOAM BOARD  
FT MUSTANG - v.1.0

6  
4

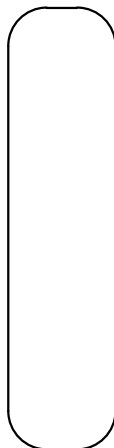
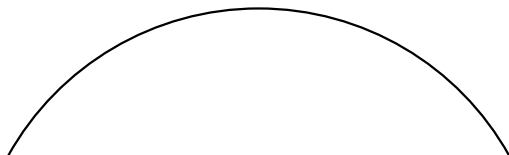
**FORMER SUPPORTS (F3)**

FOAM BOARD  
FT MUSTANG - v.1.0

6  
4

**FORMER SUPPORTS (F3)**

FOAM BOARD  
FT MUSTANG - v.1.0



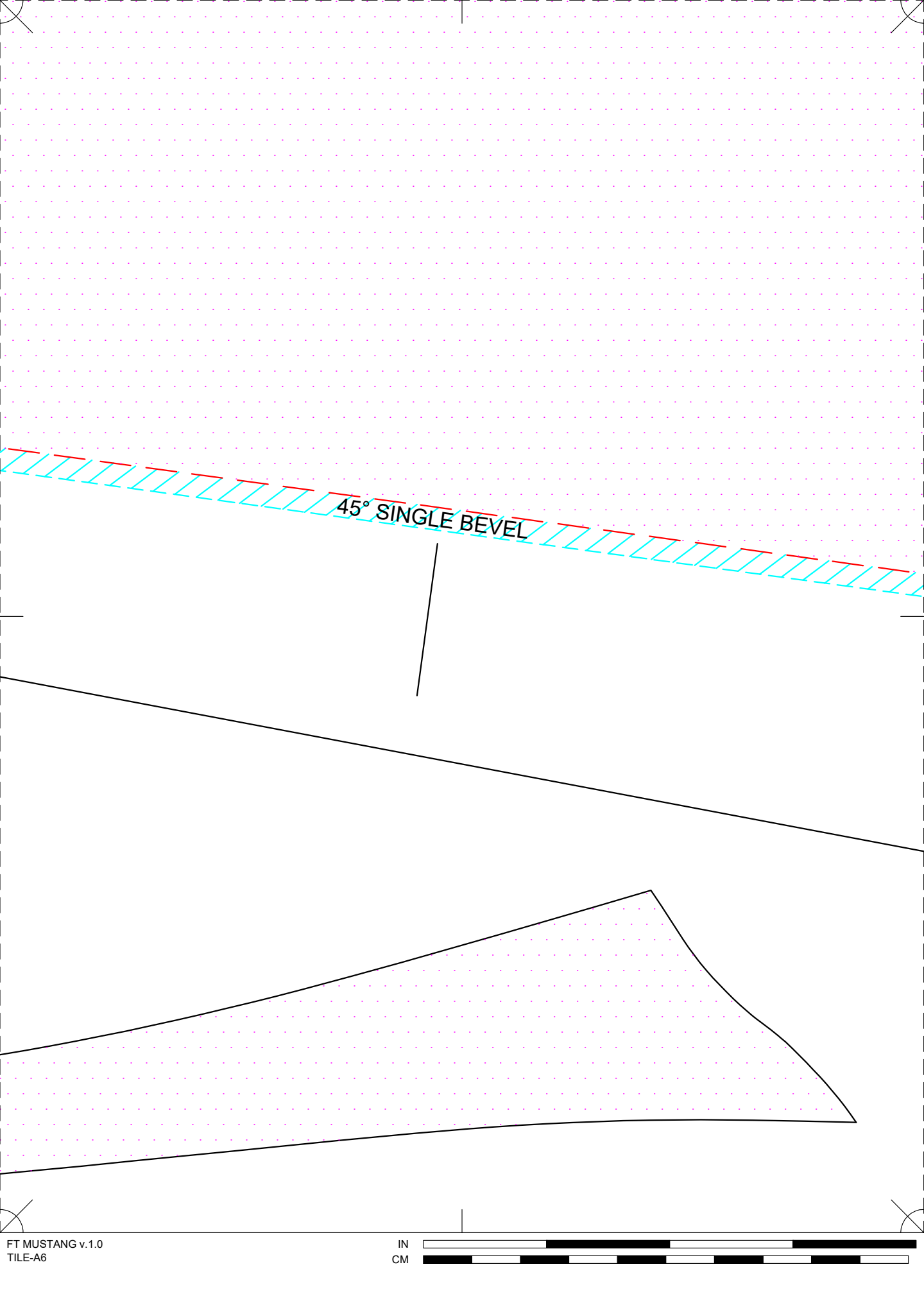
52  
1

**WING FAIRING - LEFT**

FOAM BOARD  
FT MUSTANG - v.1.0

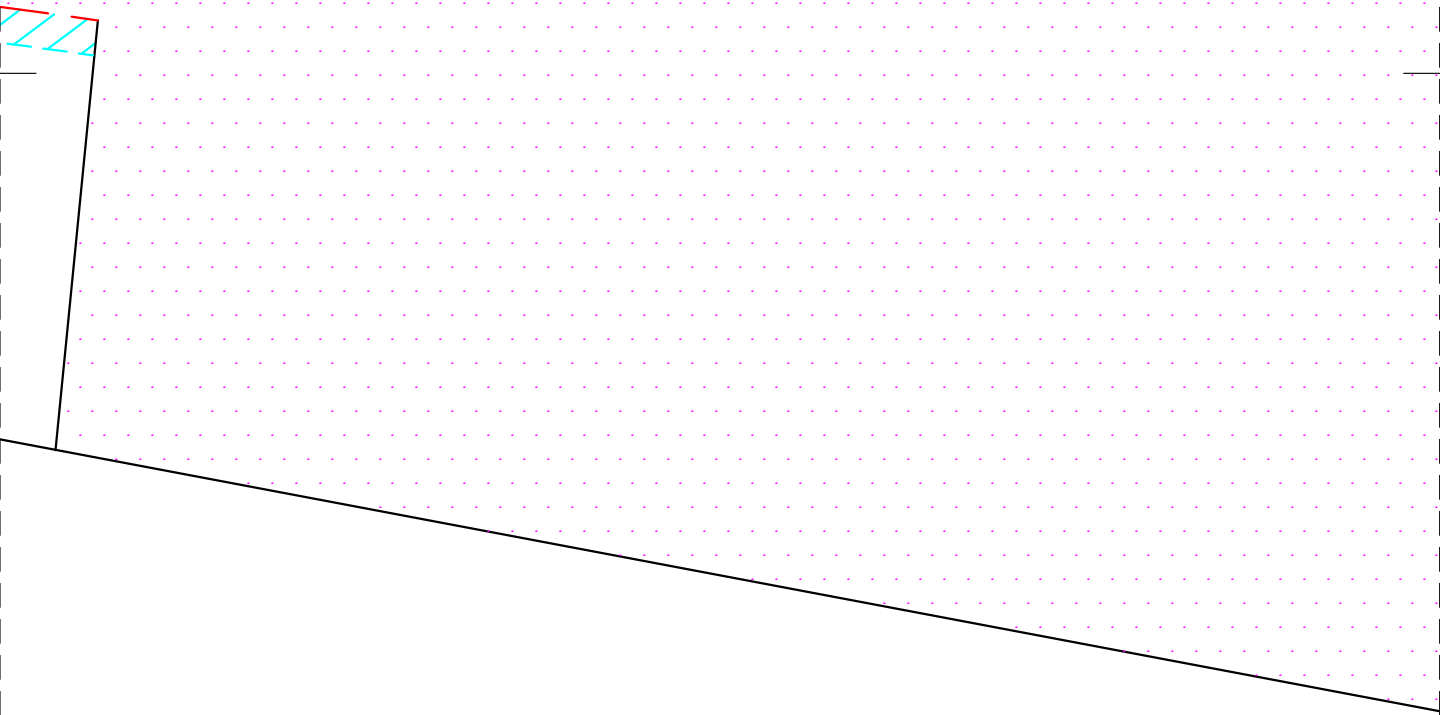
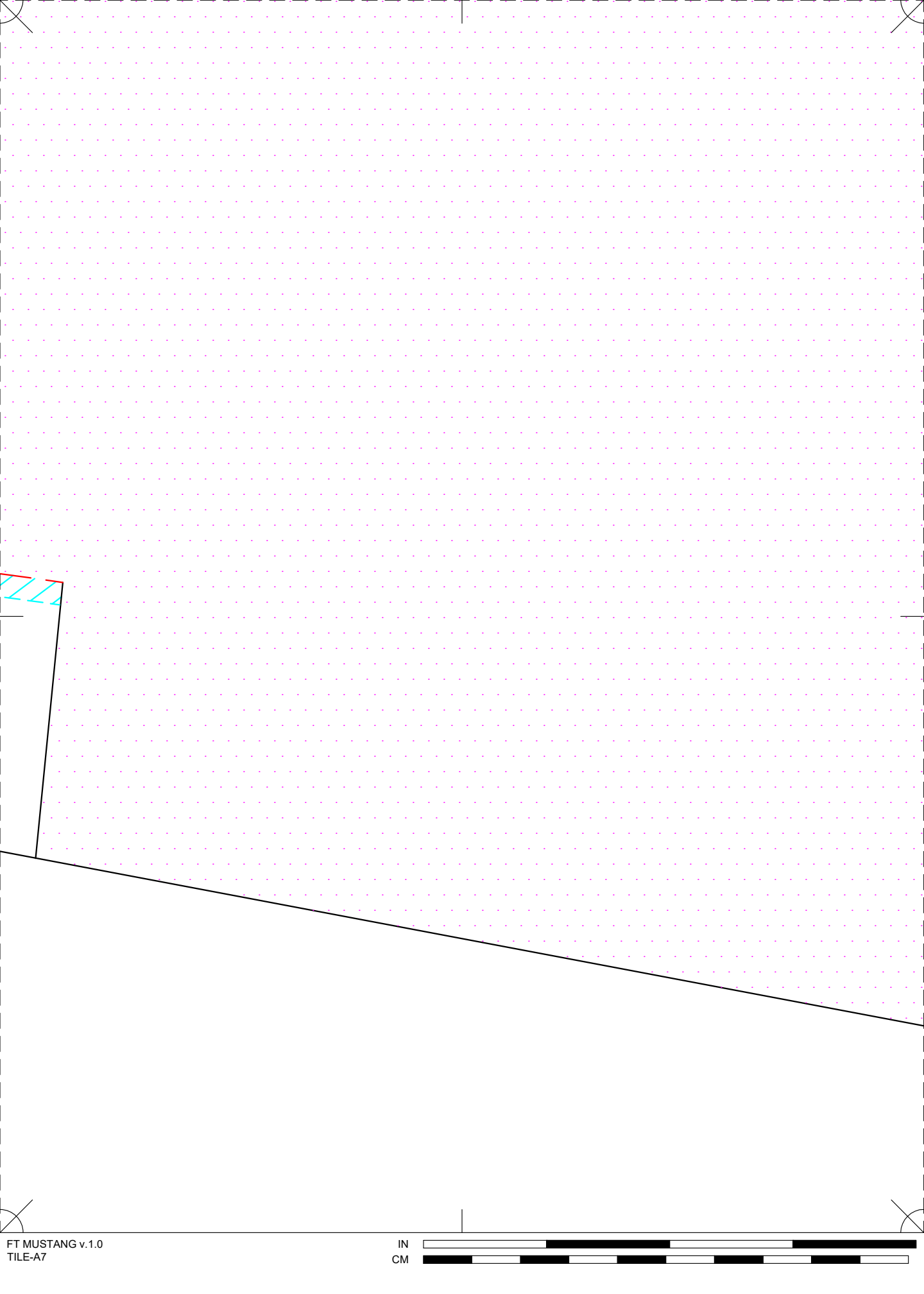






45° SINGLE BEVEL



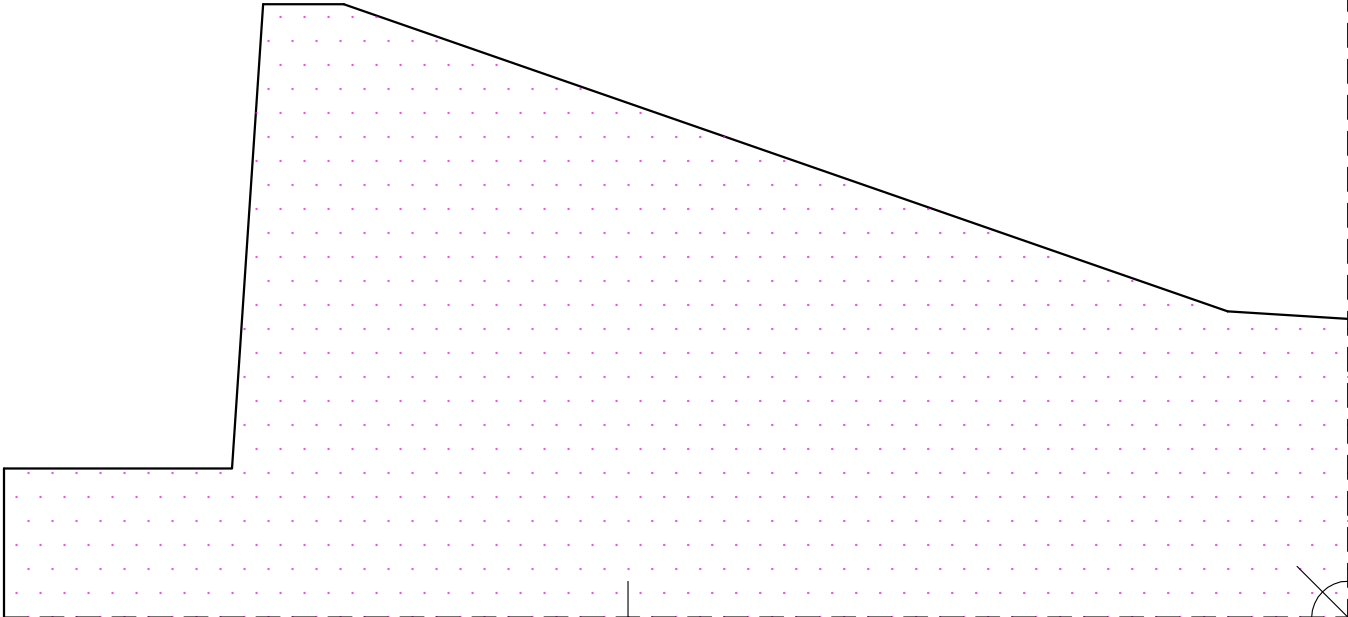
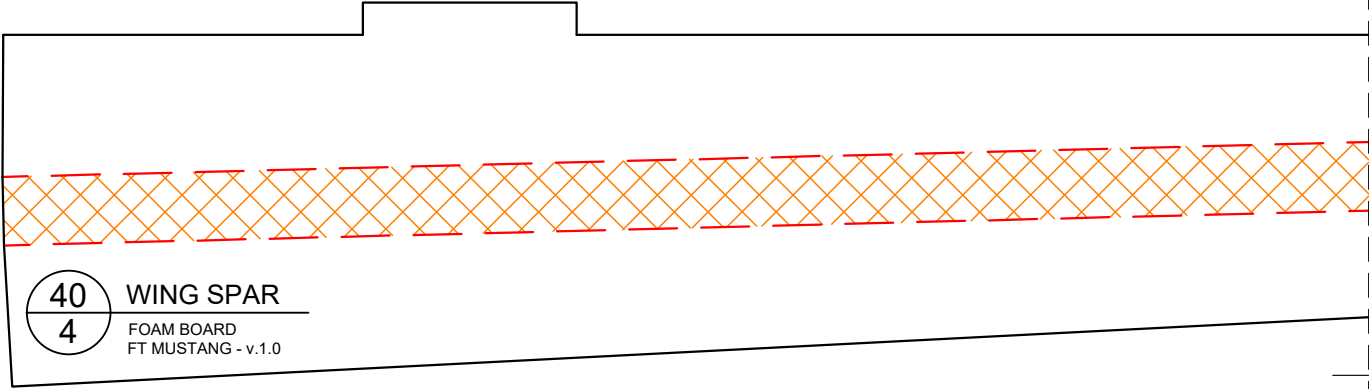
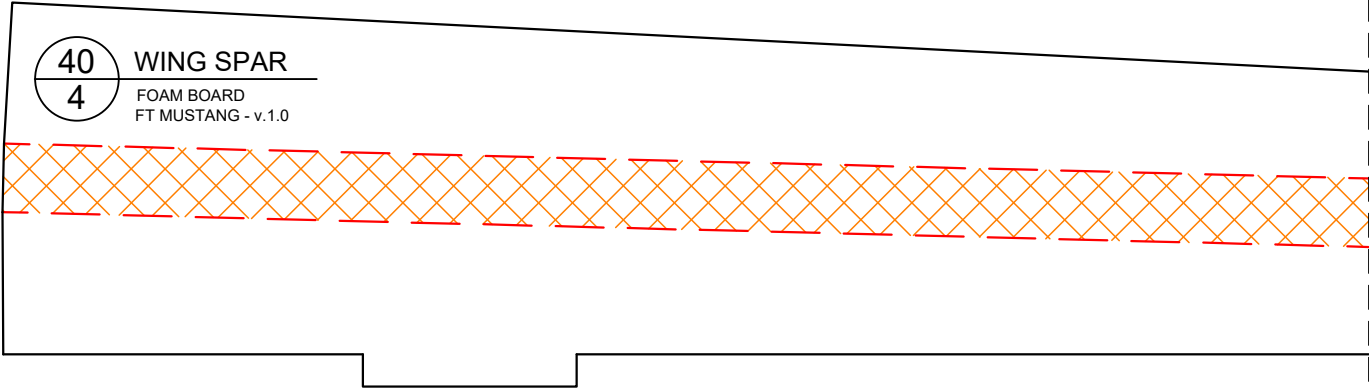


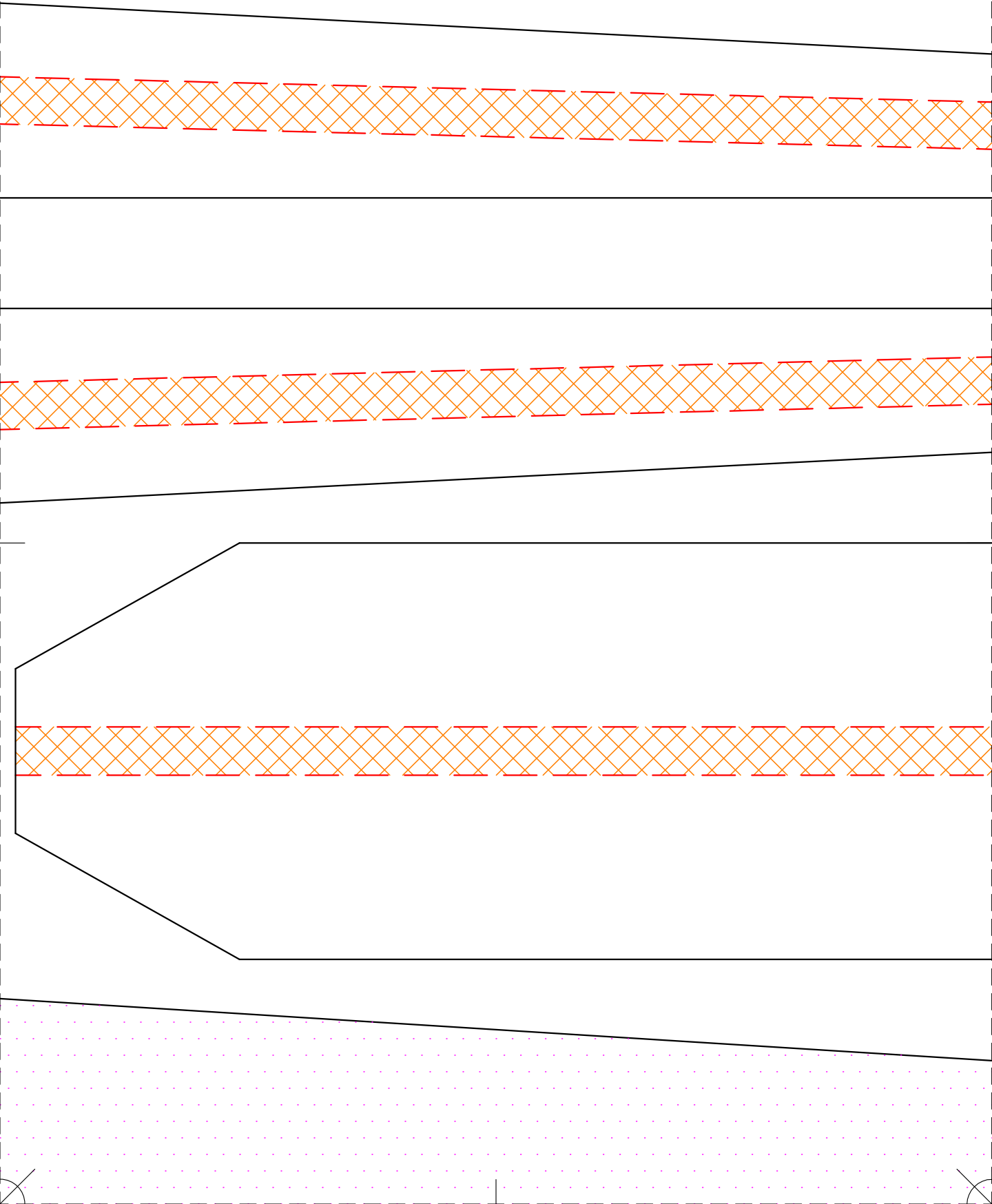
44  
1

## UPPER WING PANEL - RIGHT

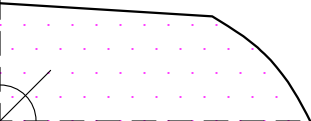
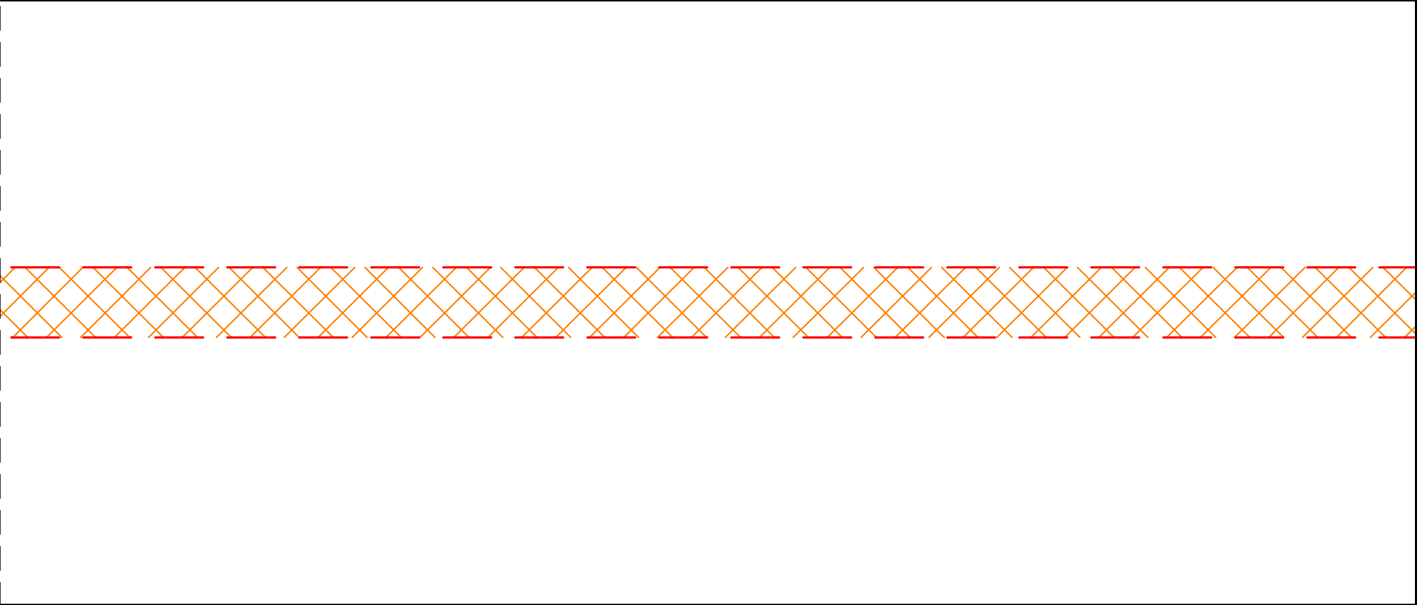
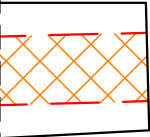
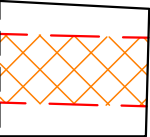
FOAM BOARD  
FT MUSTANG - v.1.0







16 SPINE  
1 FOAM BOARD  
FT MUSTANG - v.1.0

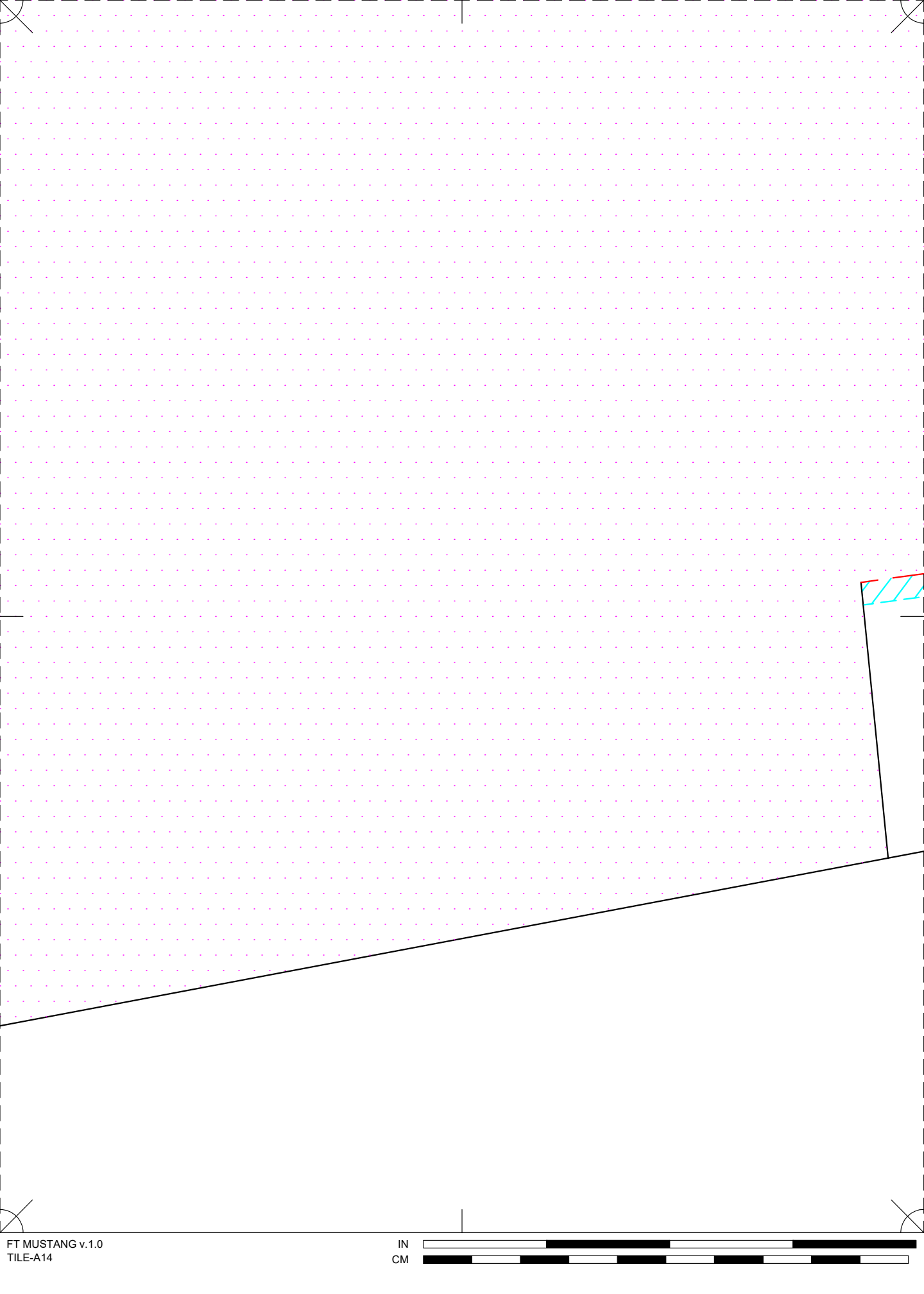


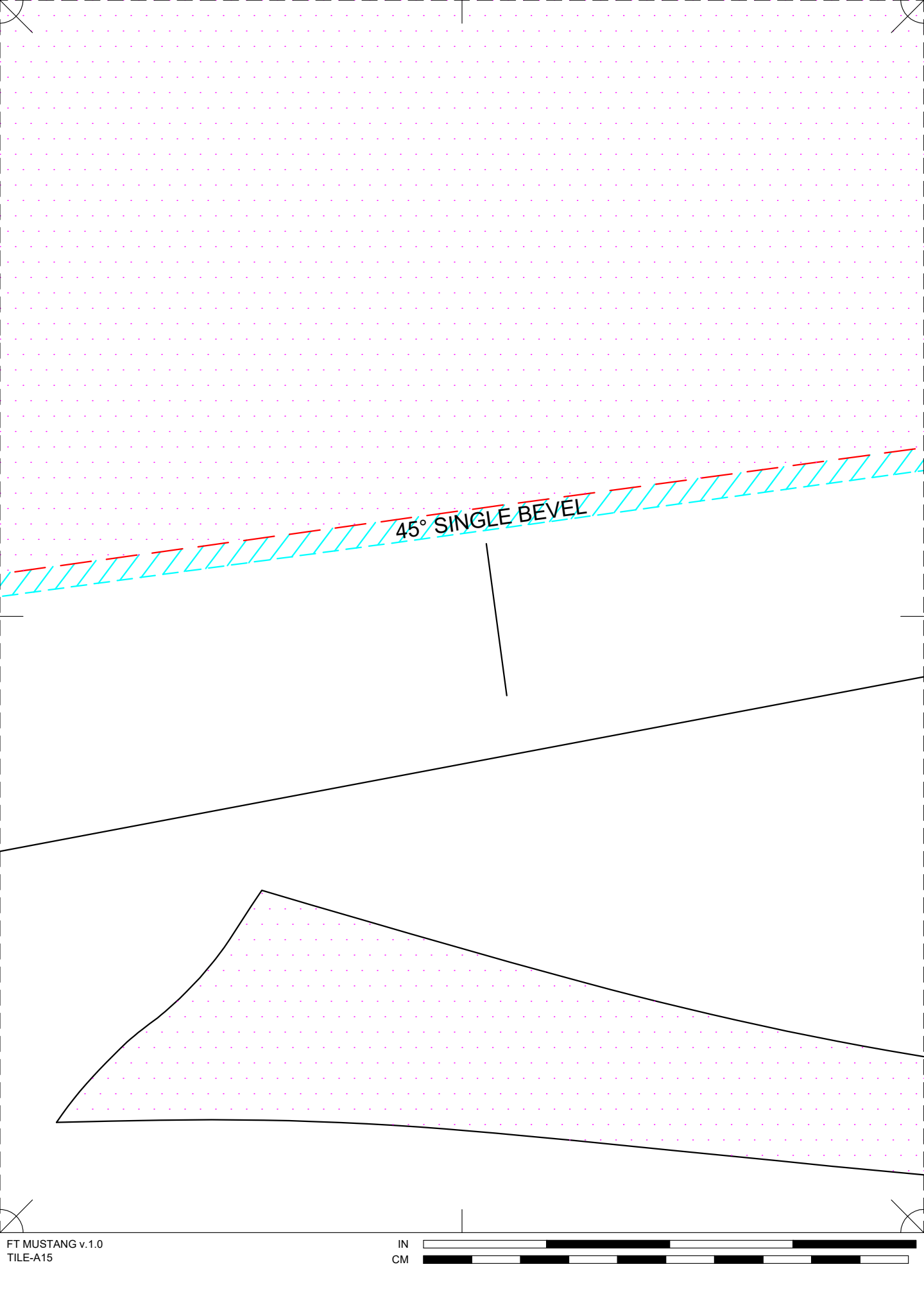
43  
1

UPPER WING PANEL - LEFT

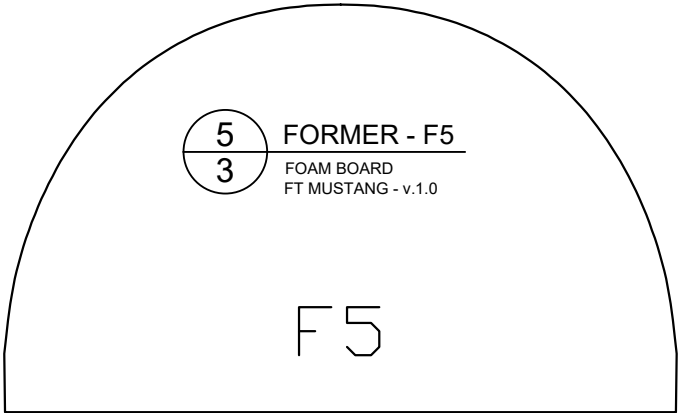
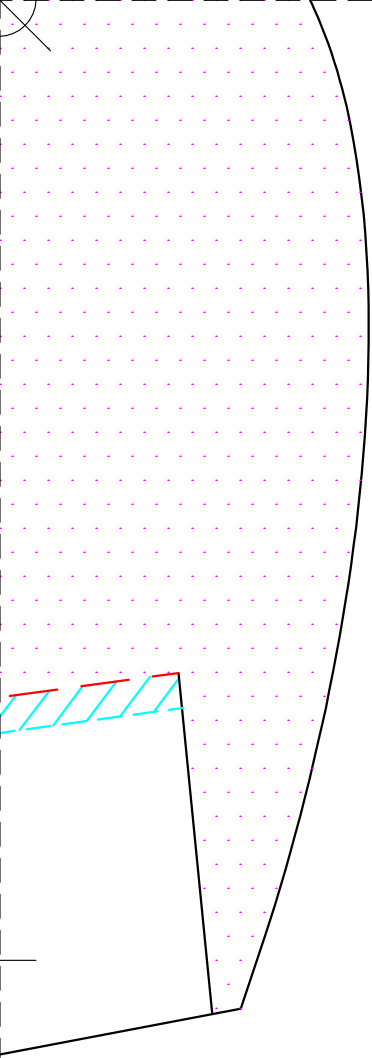
FOAM BOARD  
FT MUSTANG - v.1.0







45° SINGLE BEVEL



5  
3

FORMER - F5

FOAM BOARD  
FT MUSTANG - v.1.0

F5

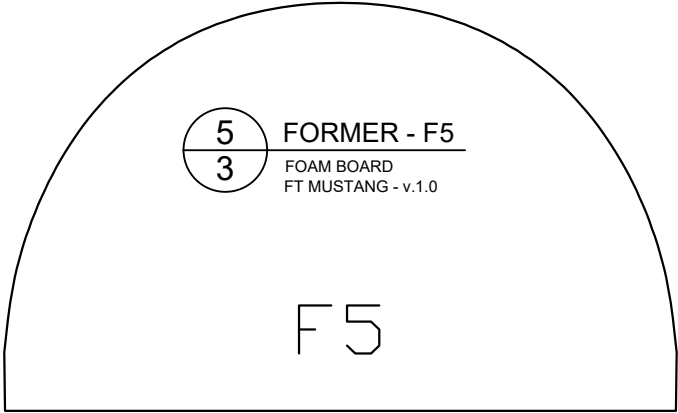


5  
3

FORMER - F5

FOAM BOARD  
FT MUSTANG - v.1.0

F5

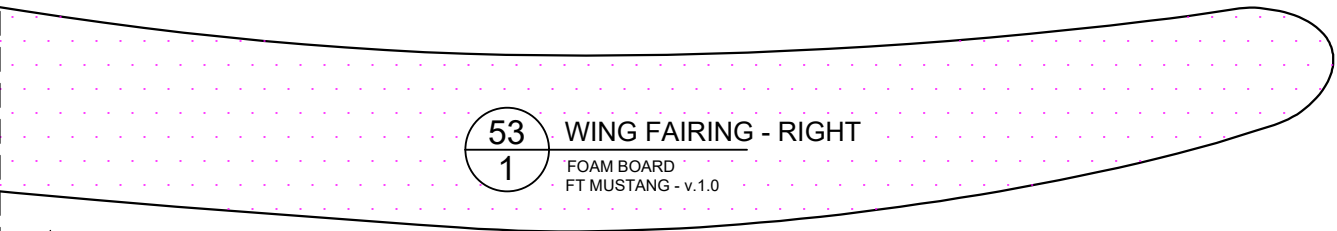


5  
3

FORMER - F5

FOAM BOARD  
FT MUSTANG - v.1.0

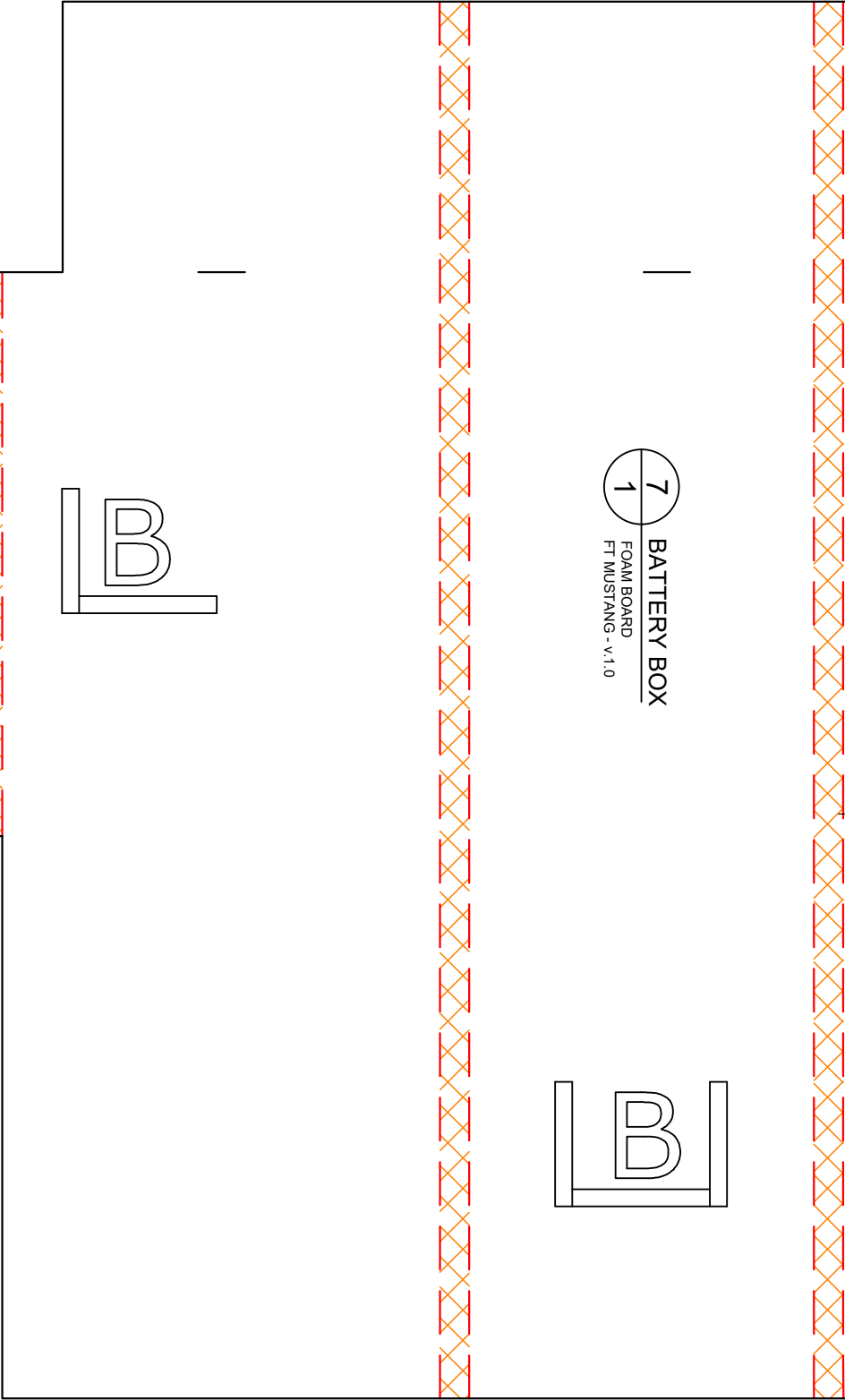
F5



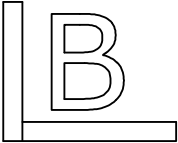
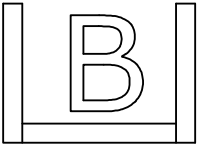
53  
1

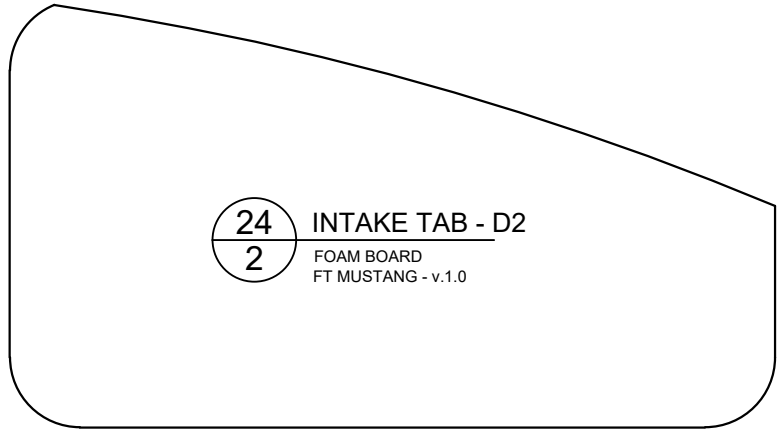
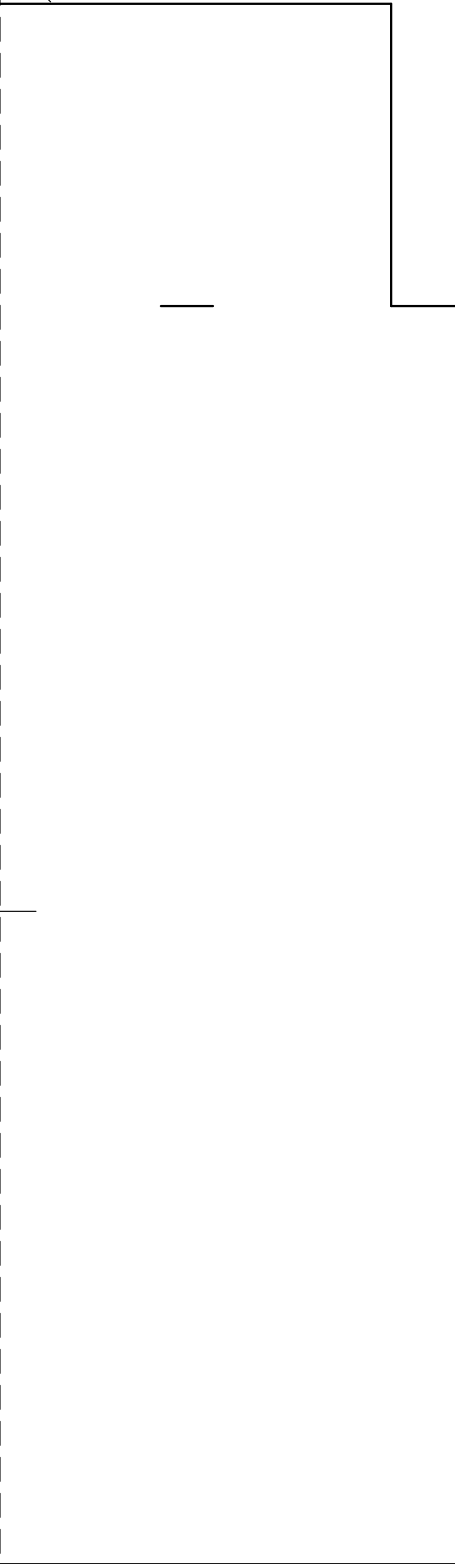
WING FAIRING - RIGHT

FOAM BOARD  
FT MUSTANG - v.1.0



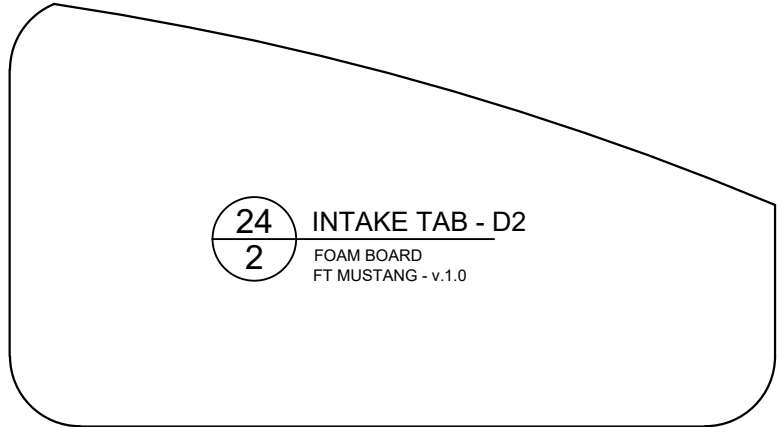
**BATTERY BOX**  
FOAM BOARD  
FT MUSTANG - v.1.0





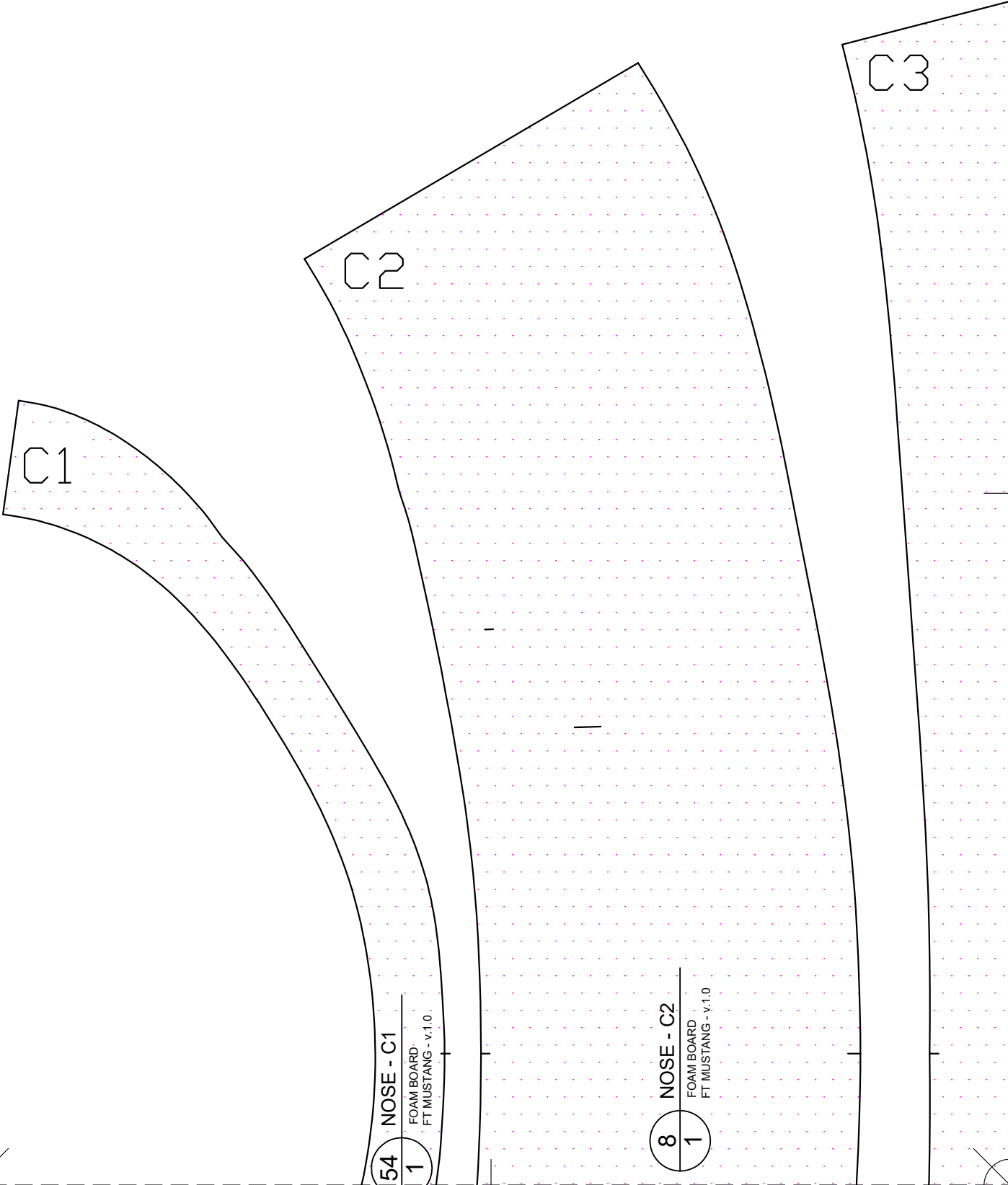
24  
2

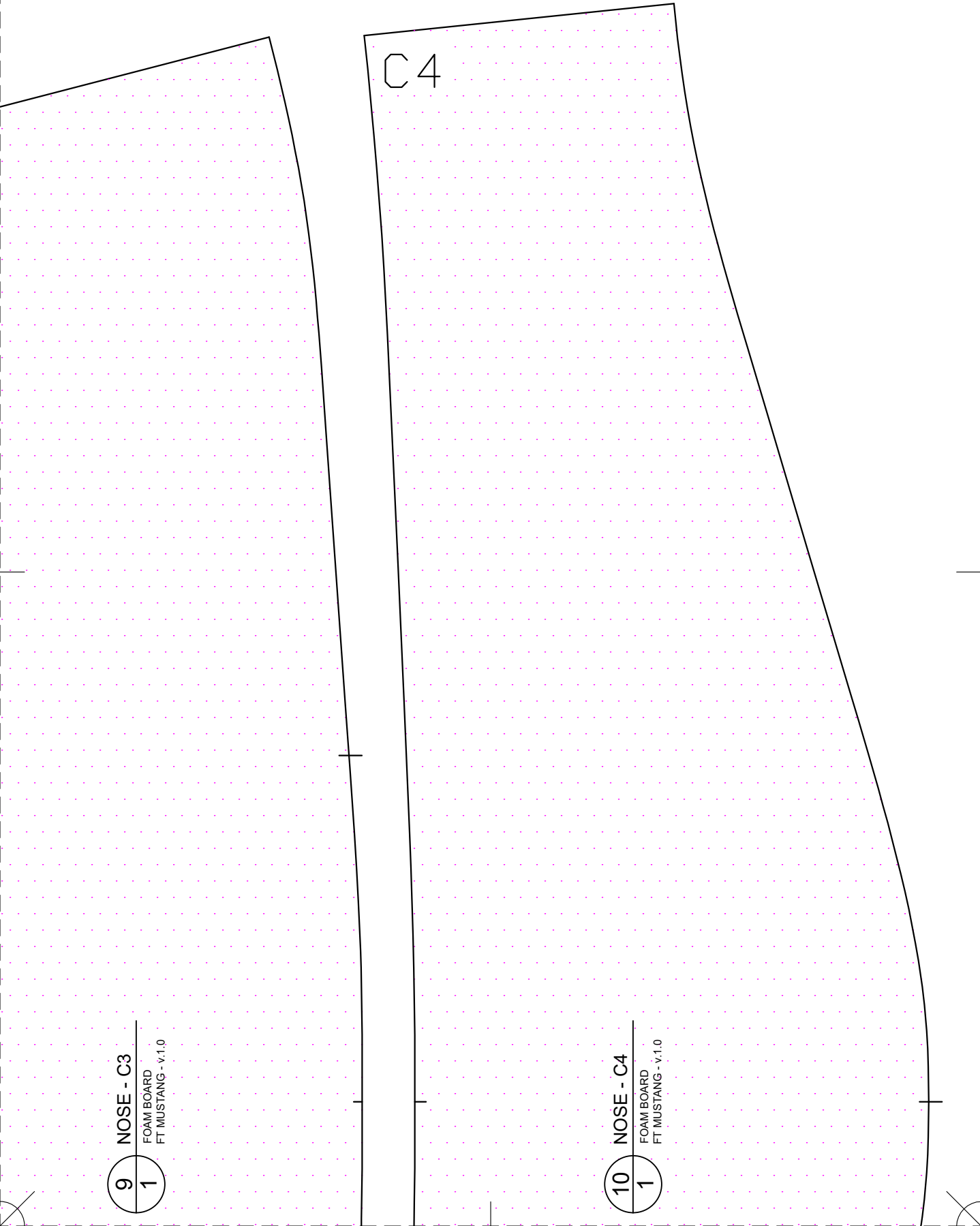
INTAKE TAB - D2  
FOAM BOARD  
FT MUSTANG - v.1.0



24  
2

INTAKE TAB - D2  
FOAM BOARD  
FT MUSTANG - v.1.0





9 NOSE - C3

FOAM BOARD  
FT MUSTANG - v.1.0

1

1

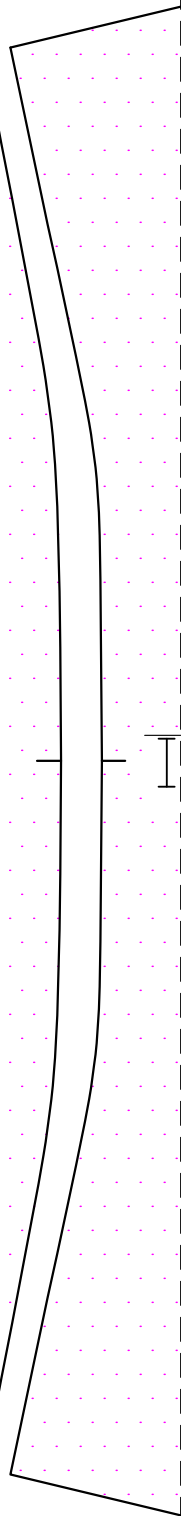
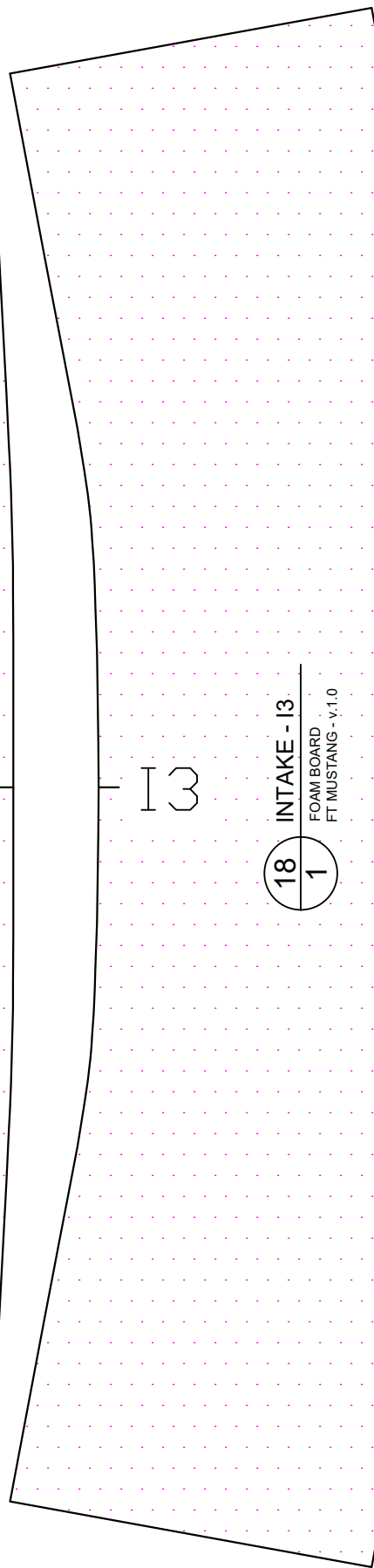
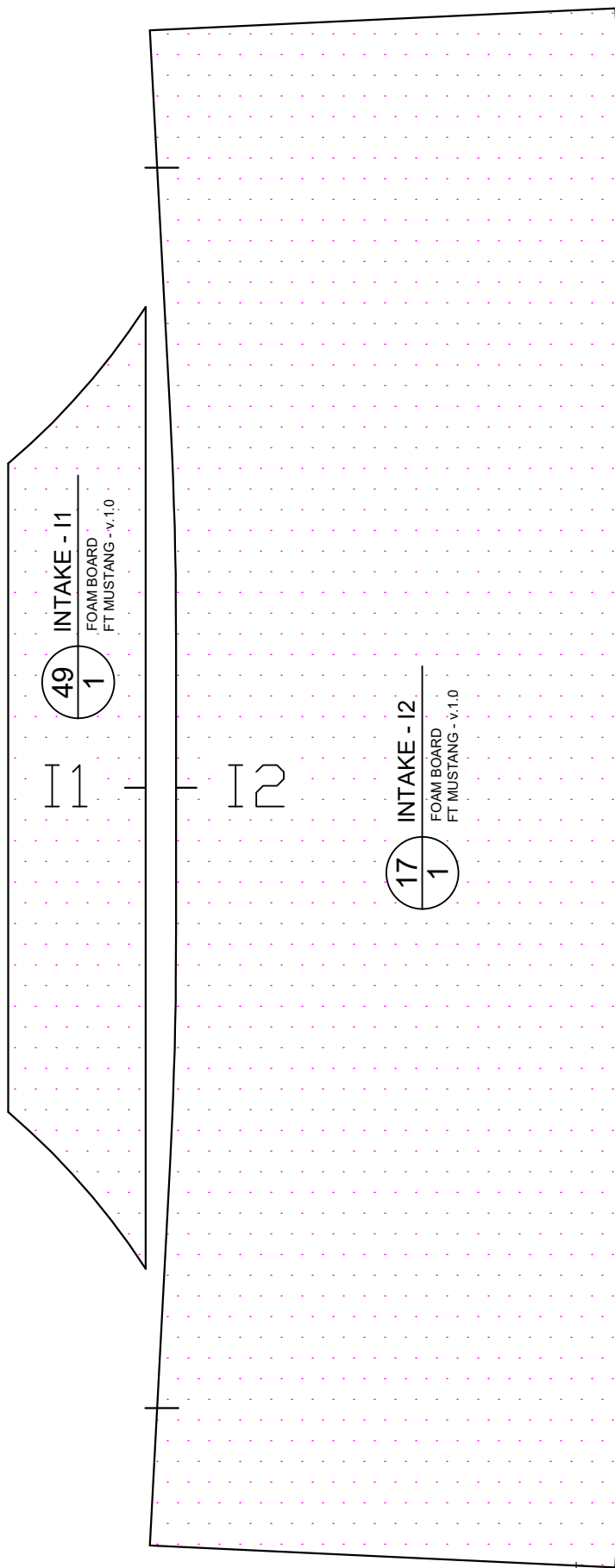
10 NOSE - C4

FOAM BOARD  
FT MUSTANG - v.1.0

1

1

C4



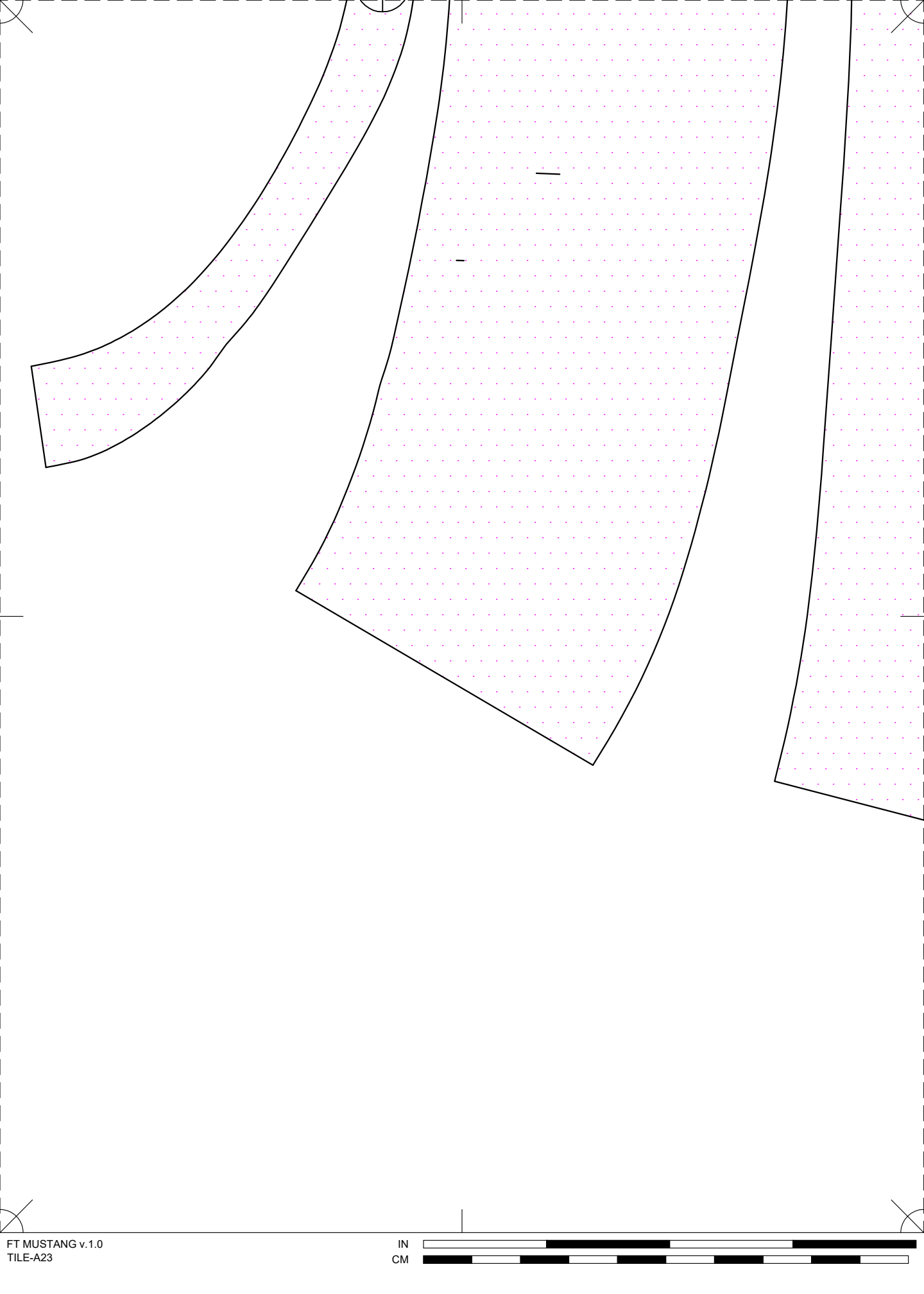


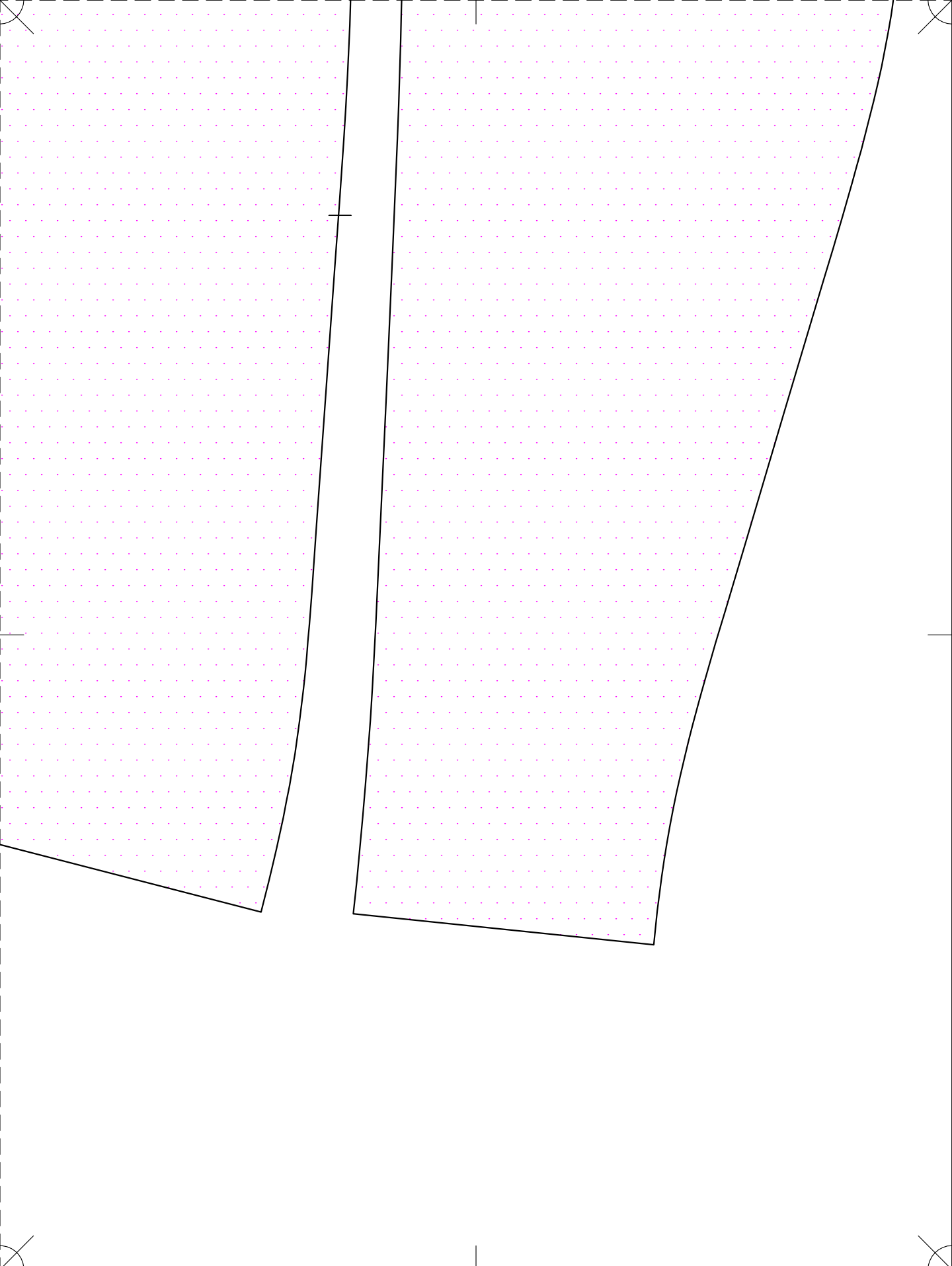
4

19 INTAKE - I4  
FOAM BOARD  
FT MUSTANG - v.1.0

I5

20 INTAKE - I5  
FOAM BOARD  
FT MUSTANG - v.1.0







3  
2

FORMER - F3  
FOAM BOARD  
FT MUSTANG - v.1.0

F3

3  
2

FORMER - F3  
FOAM BOARD  
FT MUSTANG - v.1.0

F3

21  
1

HORIZONTAL STABILIZER

FOAM BOARD  
FT MUSTANG - v.1.0

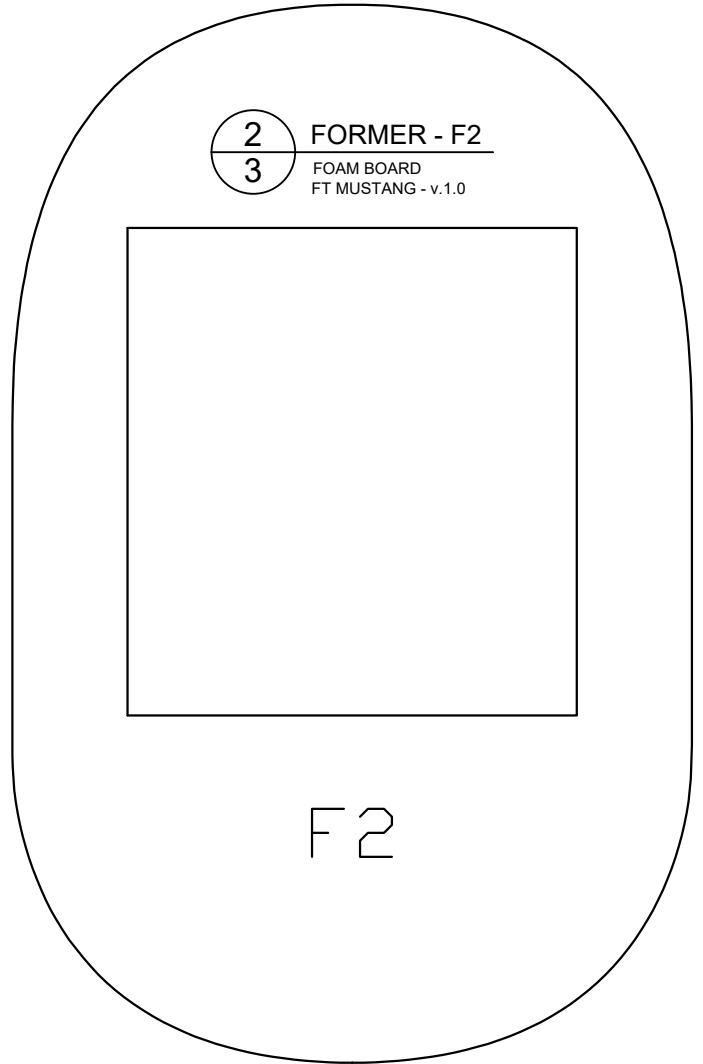
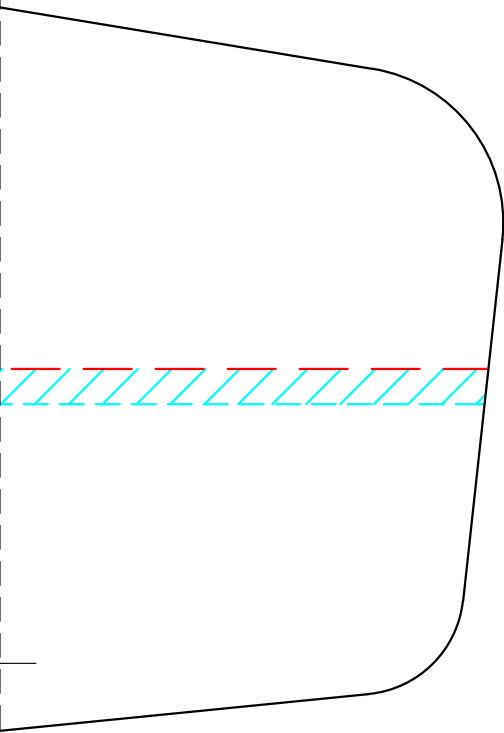
45° SINGLE BEVEL

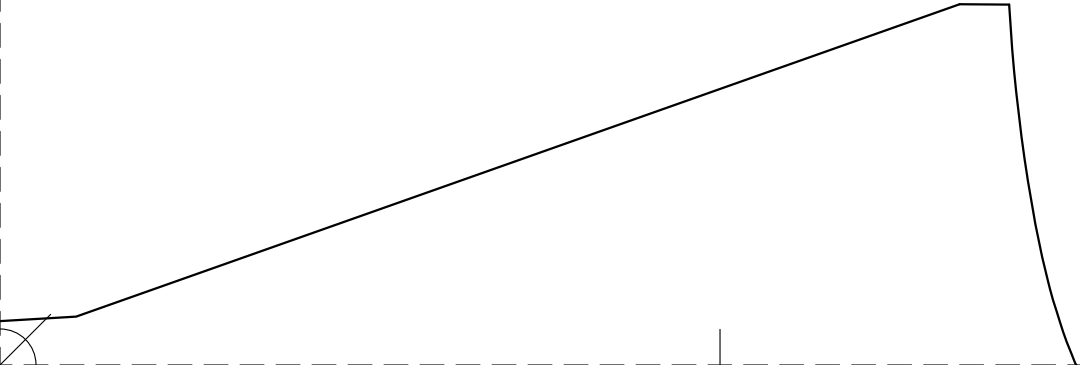
4  
1

FORMER - F4

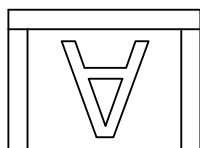
FOAM BOARD  
FT MUSTANG - v.1.0

F 4

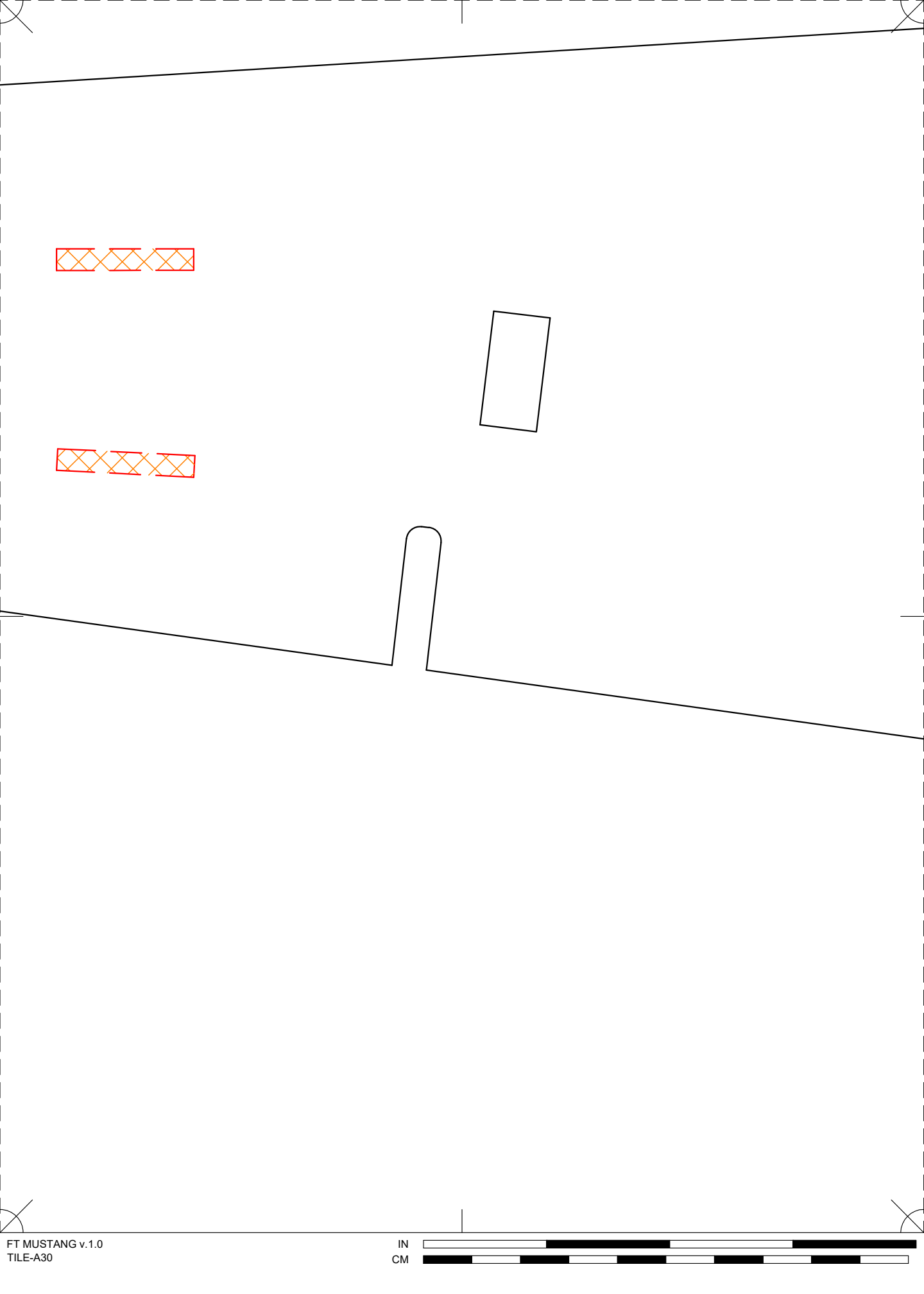


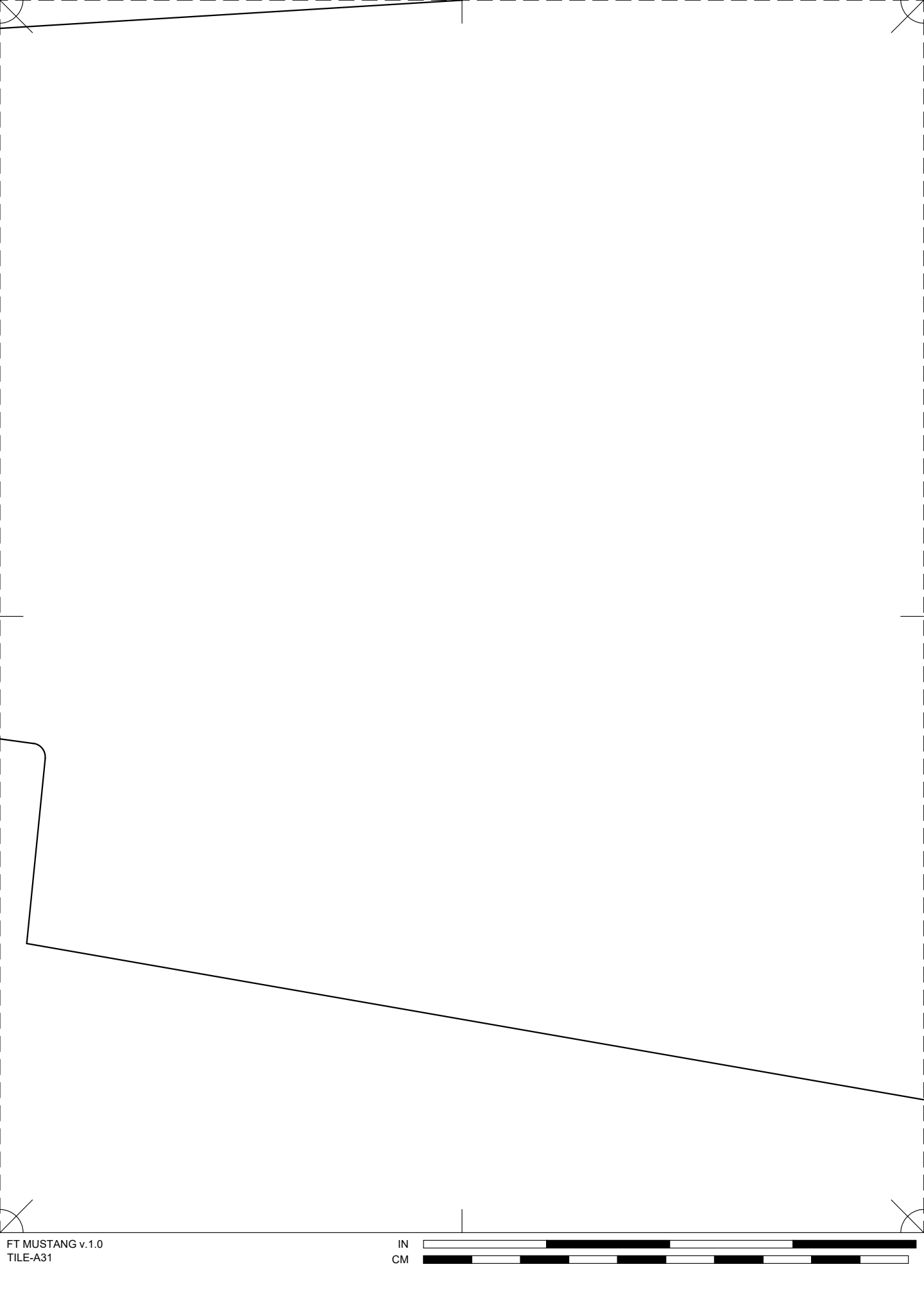


55  
1  
MOTOR MOUNT  
FOAM BOARD  
FT MUSTANG - v.1.0











## LOWER WING PANEL - LEFT

FOAM BOARD  
FT MUSTANG - v.1.0



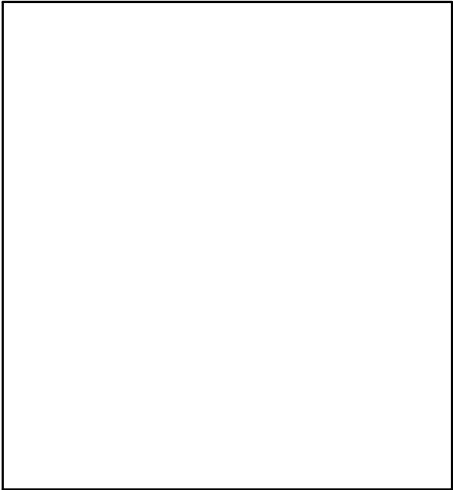
2

3

FORMER - F2

FOAM BOARD

FT MUSTANG - v.1.0



F2

2

3

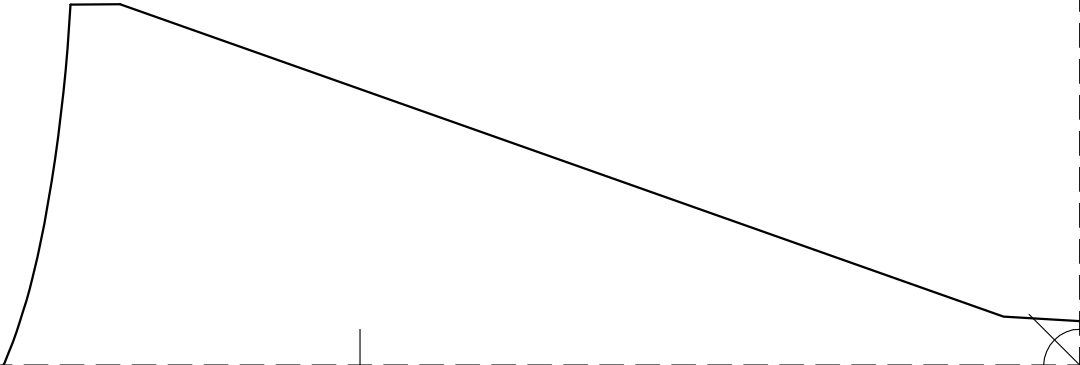
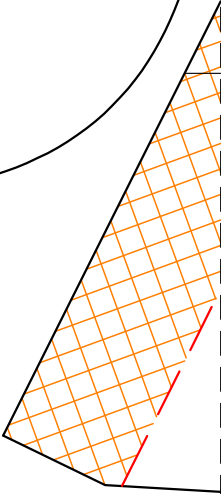
FORMER - F2

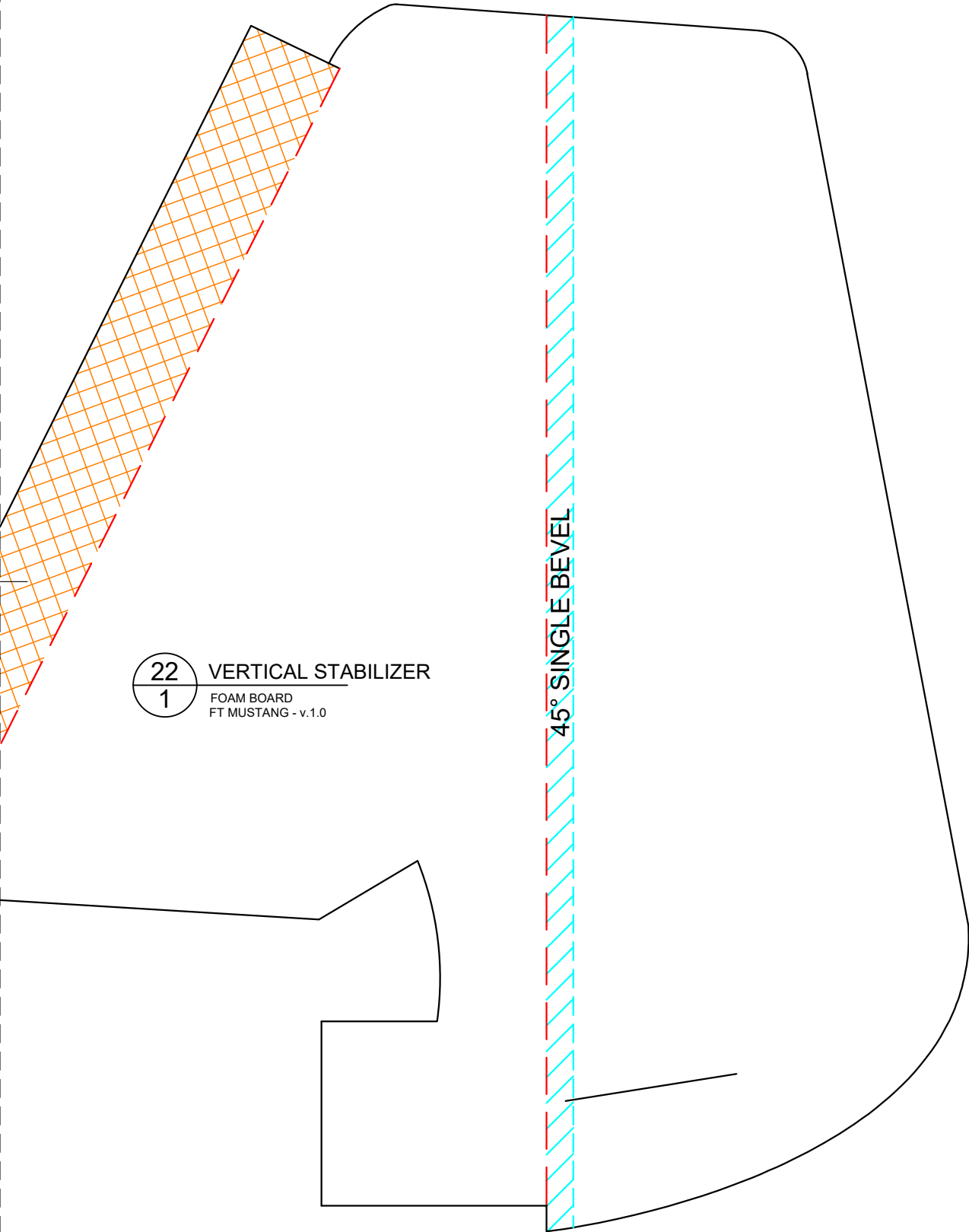
FOAM BOARD

FT MUSTANG - v.1.0



F2





22  
1

VERTICAL STABILIZER  
FOAM BOARD  
FT MUSTANG - v.1.0

45° SINGLE BEVEL

56  
2

INTAKE TAB - B/C  
FOAM BOARD  
FT MUSTANG - v.1.0

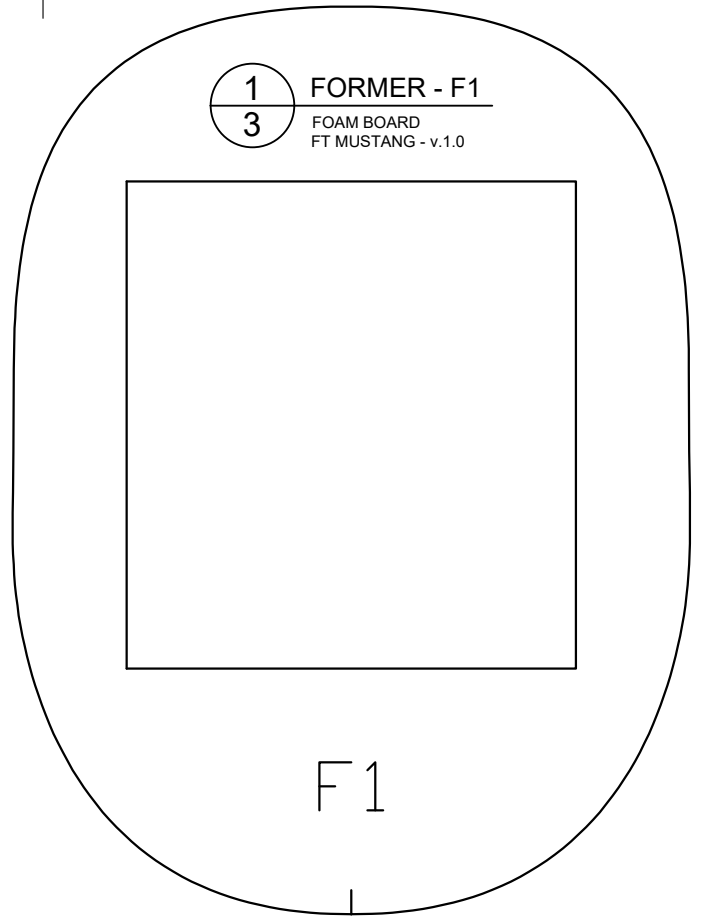
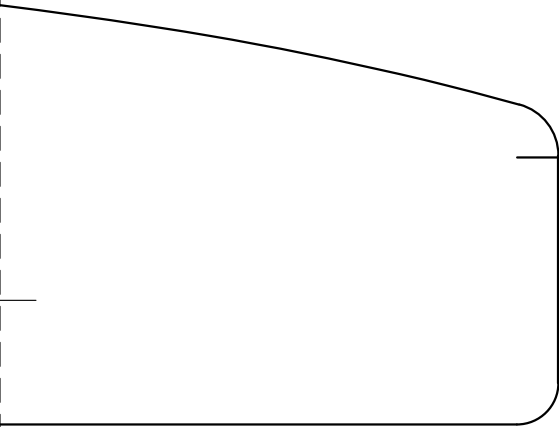
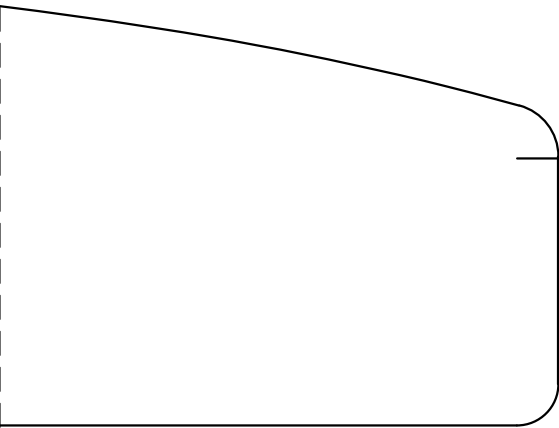
56  
2

INTAKE TAB - B/C  
FOAM BOARD  
FT MUSTANG - v.1.0

1  
3

FORMER - F1  
FOAM BOARD  
FT MUSTANG - v.1.0

F1

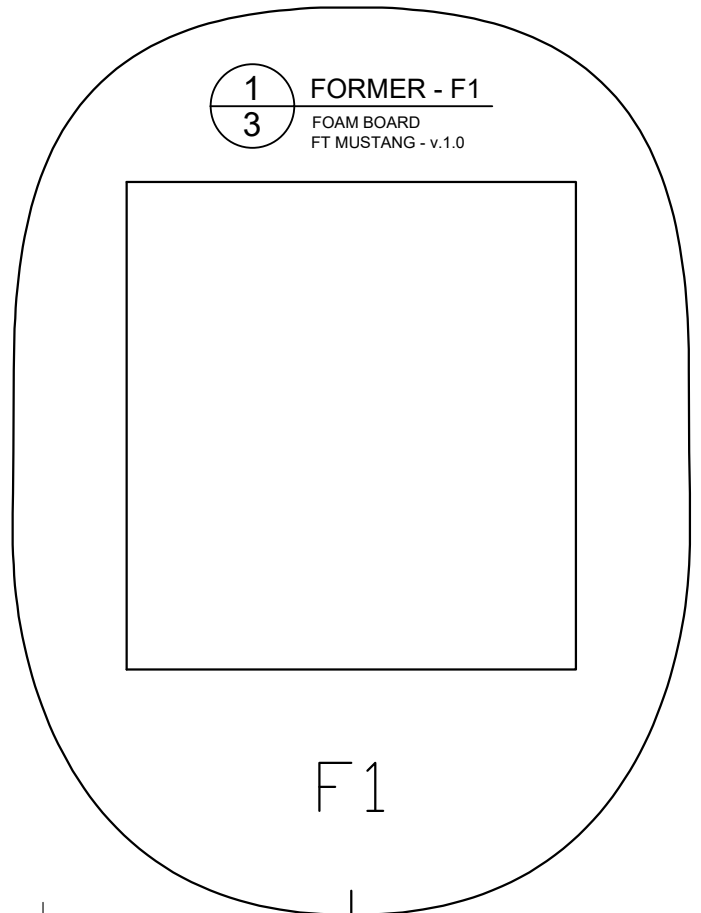


1  
3

FORMER - F1

FOAM BOARD  
FT MUSTANG - v.1.0

F1



1  
3

FORMER - F1

FOAM BOARD  
FT MUSTANG - v.1.0

F1

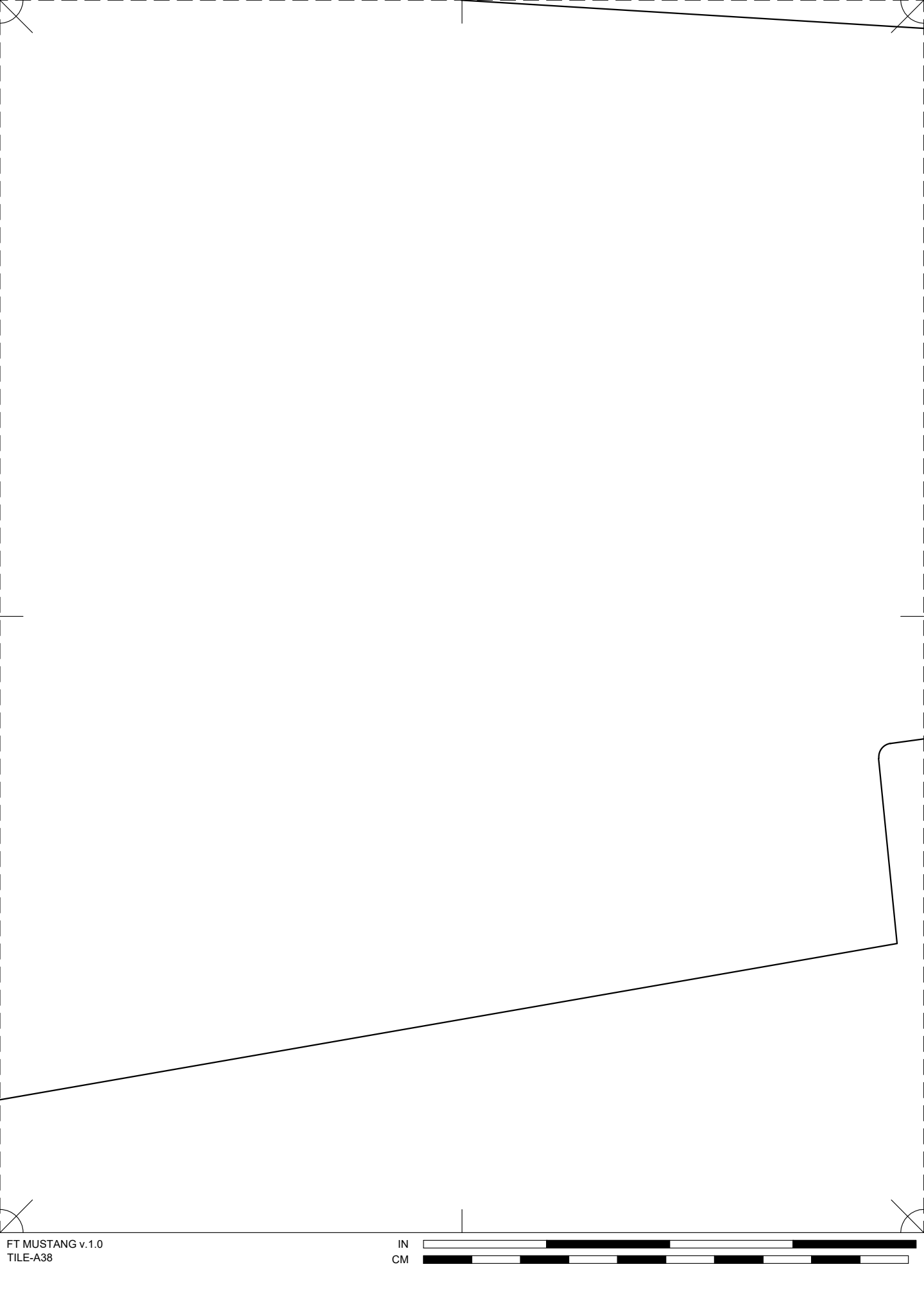


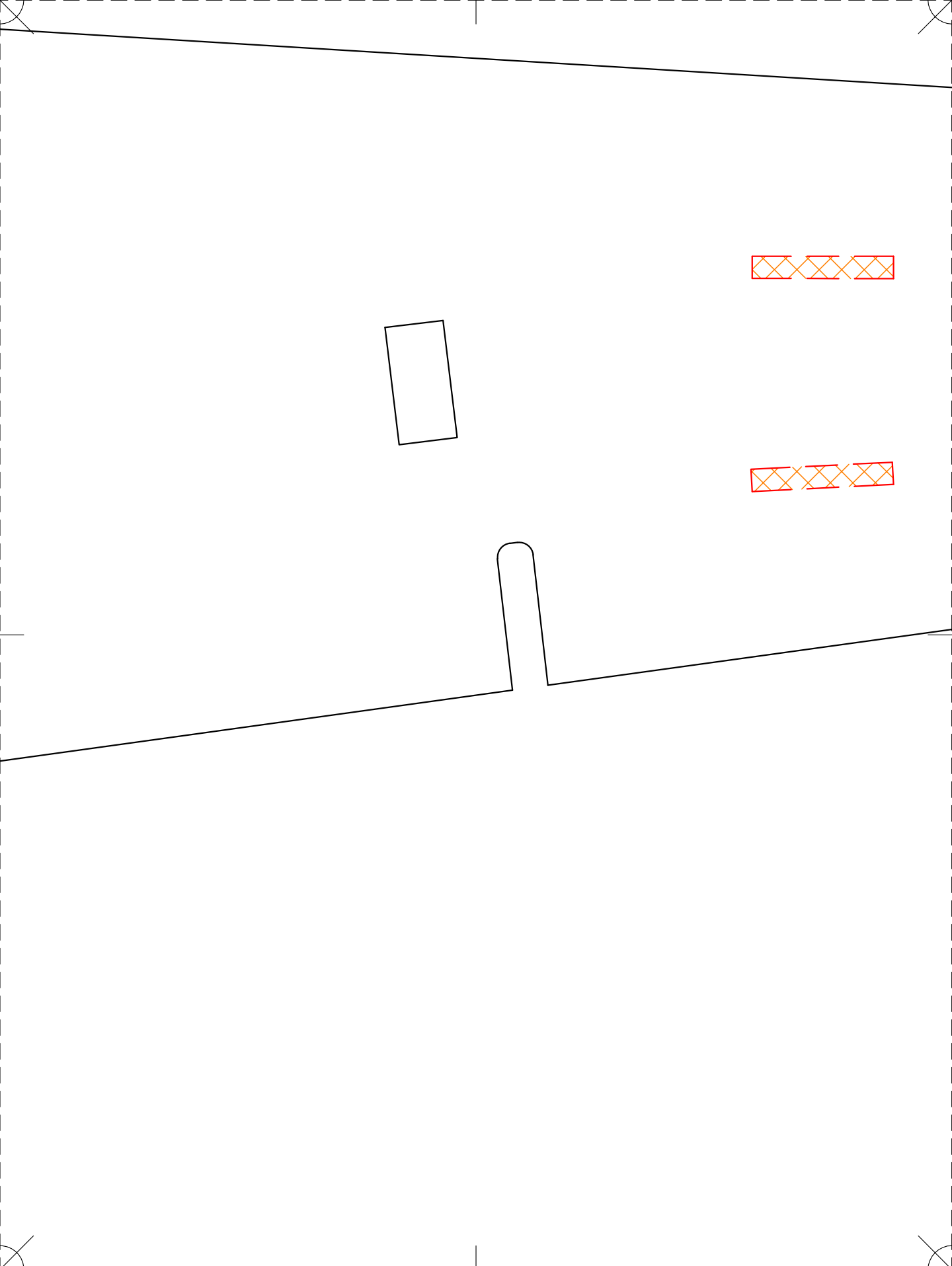
LOWER WING PANEL - RIGHT

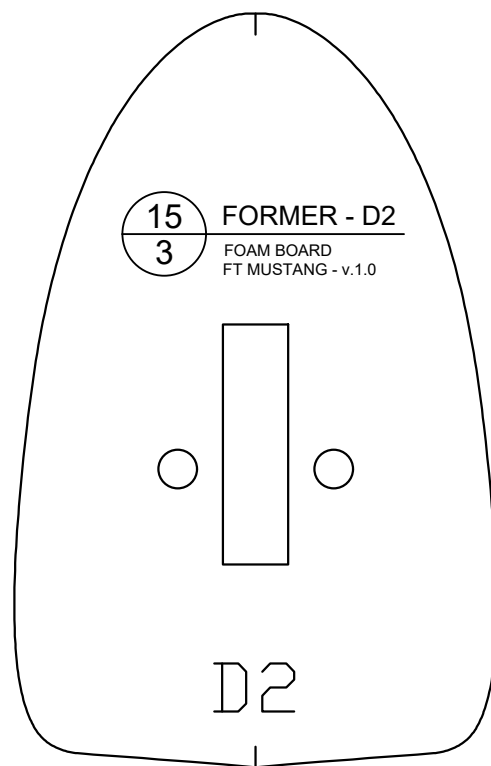
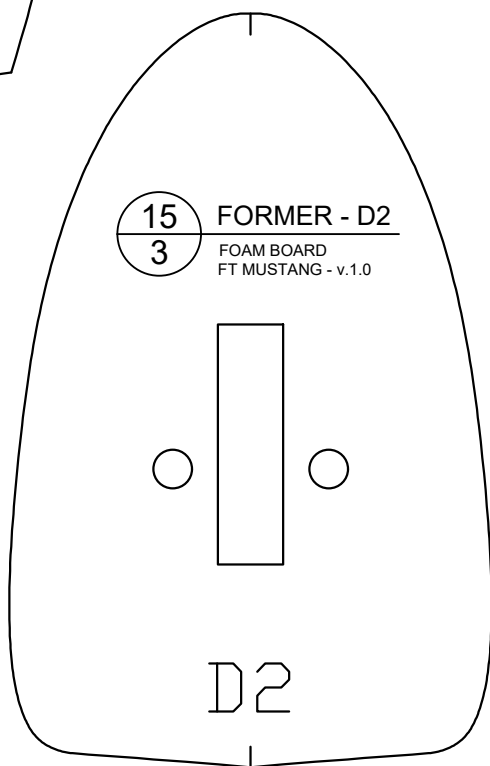
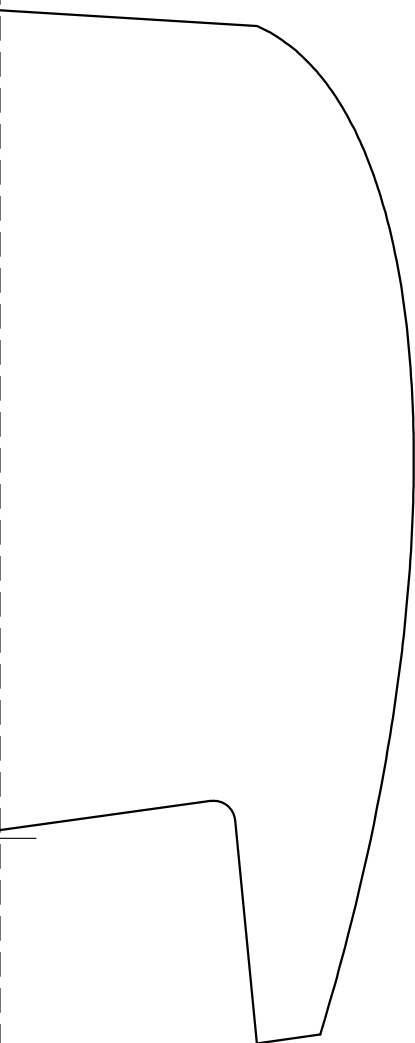
FOAM BOARD  
FT MUSTANG - v.1.0











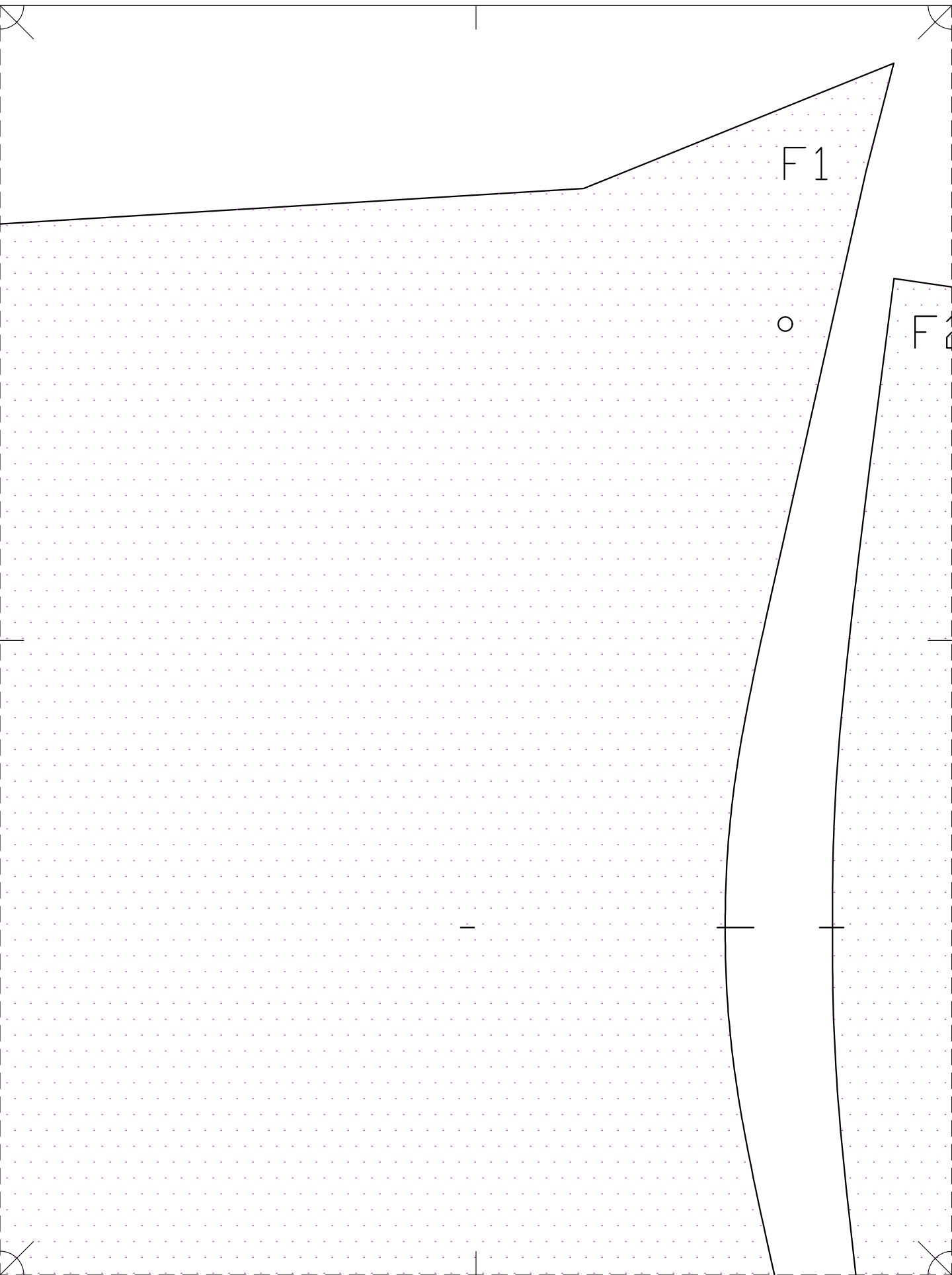


11

1

FUSELAGE - F1

FOAM BOARD  
FT MUSTANG - v.1.0





F 3

12  
1 FUSELAGE - F2  
FOAM BOARD  
FT MUSTANG - v.1.0

13 FUSELAGE  
1  
FOAM BOARD  
FT MUSTANG - v.1.0

29  
1

TAIL FAIRING D  
FOAM BOARD  
FT MUSTANG - v.1.0

F3



14  
3

FORMER - D1

FOAM BOARD  
FT MUSTANG - v.1.0



D1

14  
3

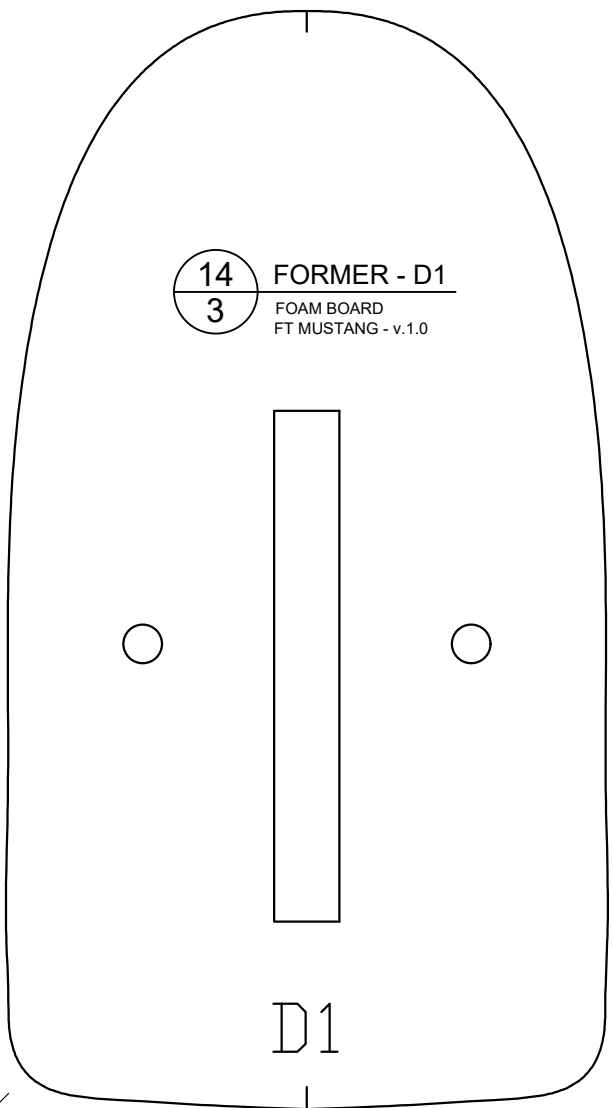
FORMER - D1

FOAM BOARD  
FT MUSTANG - v.1.0



D1



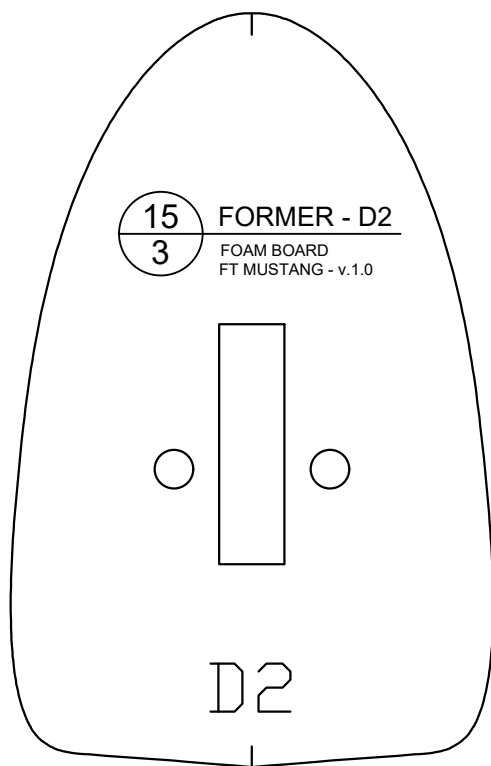


14  
3

FORMER - D1

FOAM BOARD  
FT MUSTANG - v.1.0

D1

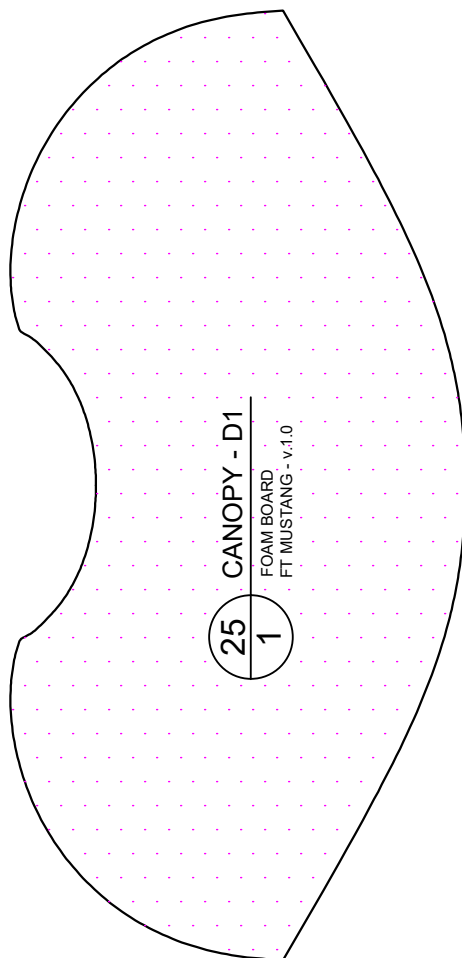
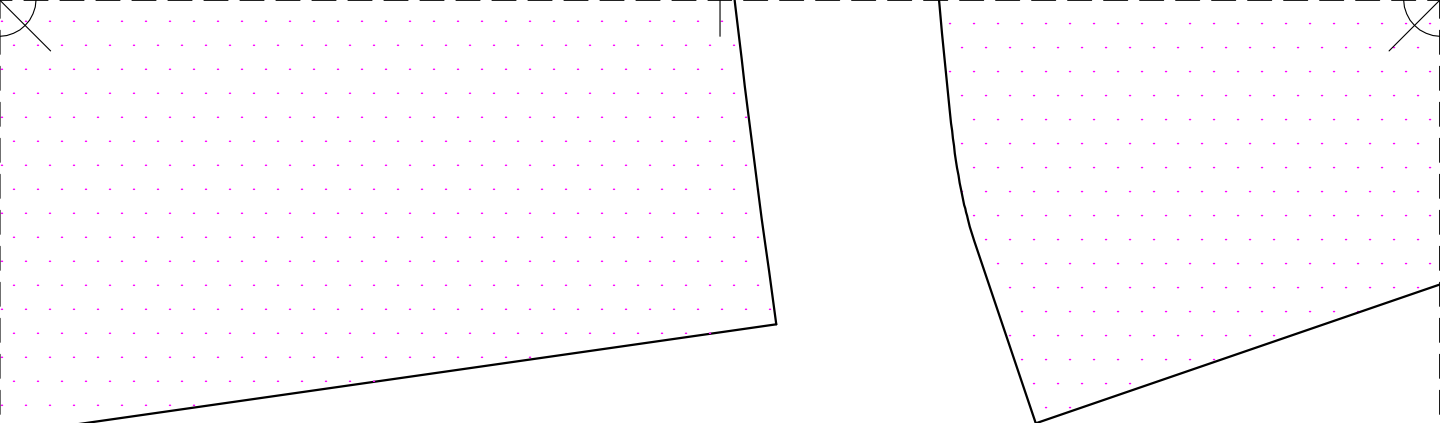


15  
3

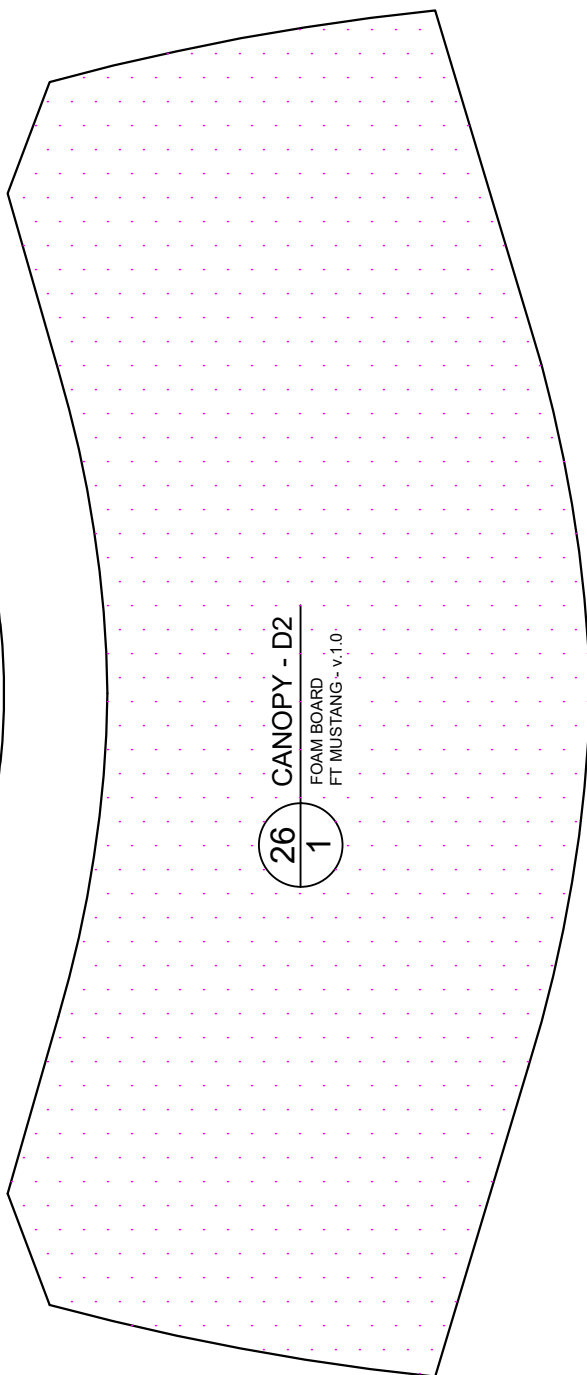
FORMER - D2

FOAM BOARD  
FT MUSTANG - v.1.0

D2



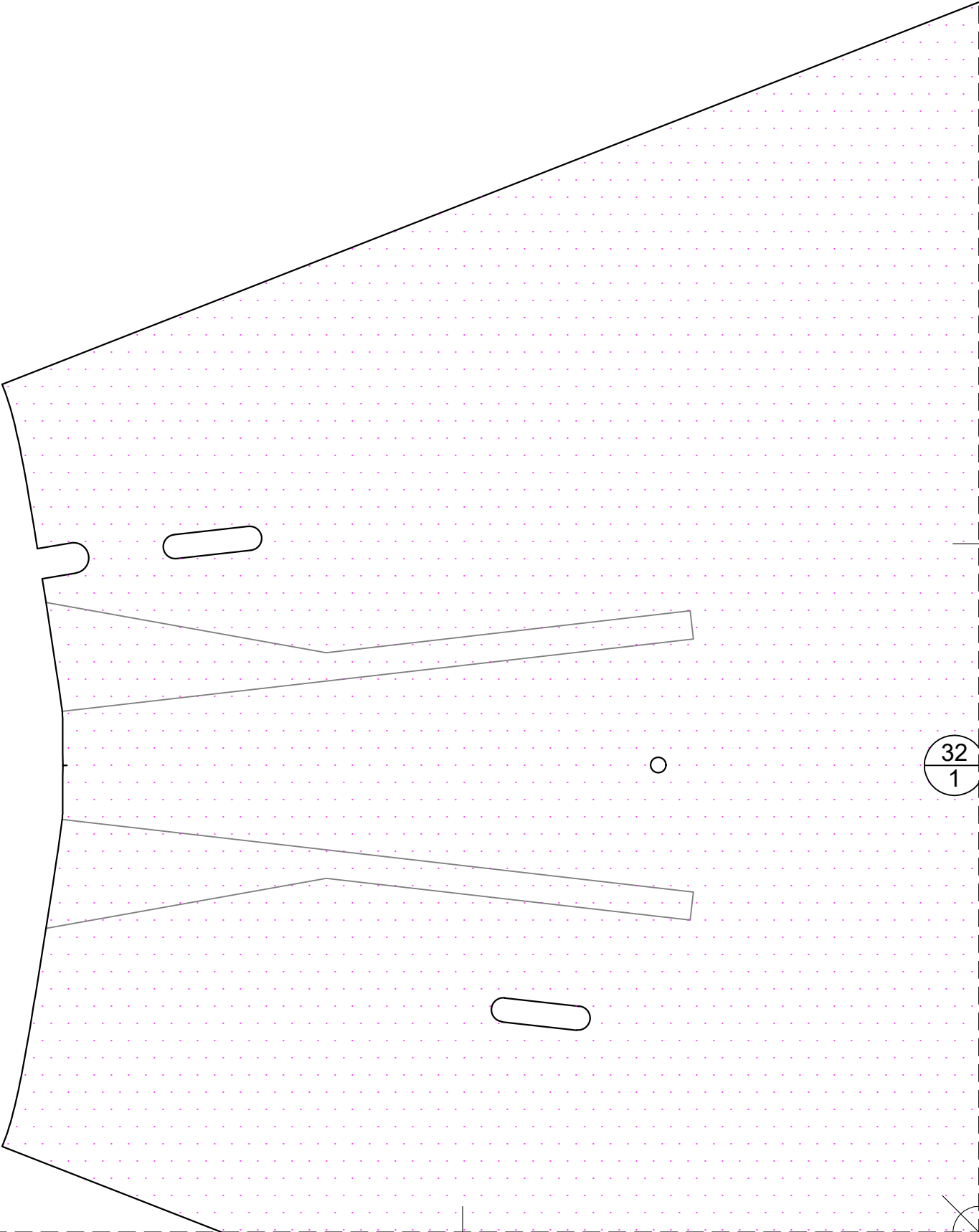
25 CANOPY - D1  
1  
FOAM BOARD  
FT MUSTANG - V1.0



26 CANOPY - D2  
1  
FOAM BOARD  
FT MUSTANG - V1.0

27 CANOPY - D3  
FOAM BOARD  
FT MUSTANG - v1.0

28 CANOPY - D4  
FOAM BOARD  
FT MUSTANG - v1.0



FUSELAGE - G3

FOAM BOARD  
FT MUSTANG - v.1.0



1 FOAM BOARD  
FT MUSTANG - v.1.0

G1



30  
1

FUSELAGE - G1  
FOAM BOARD  
FT MUSTANG - v.1.0

37 CANOPY - B/C1  
1  
FOAM BOARD  
FT MUSTANG - v.1.0

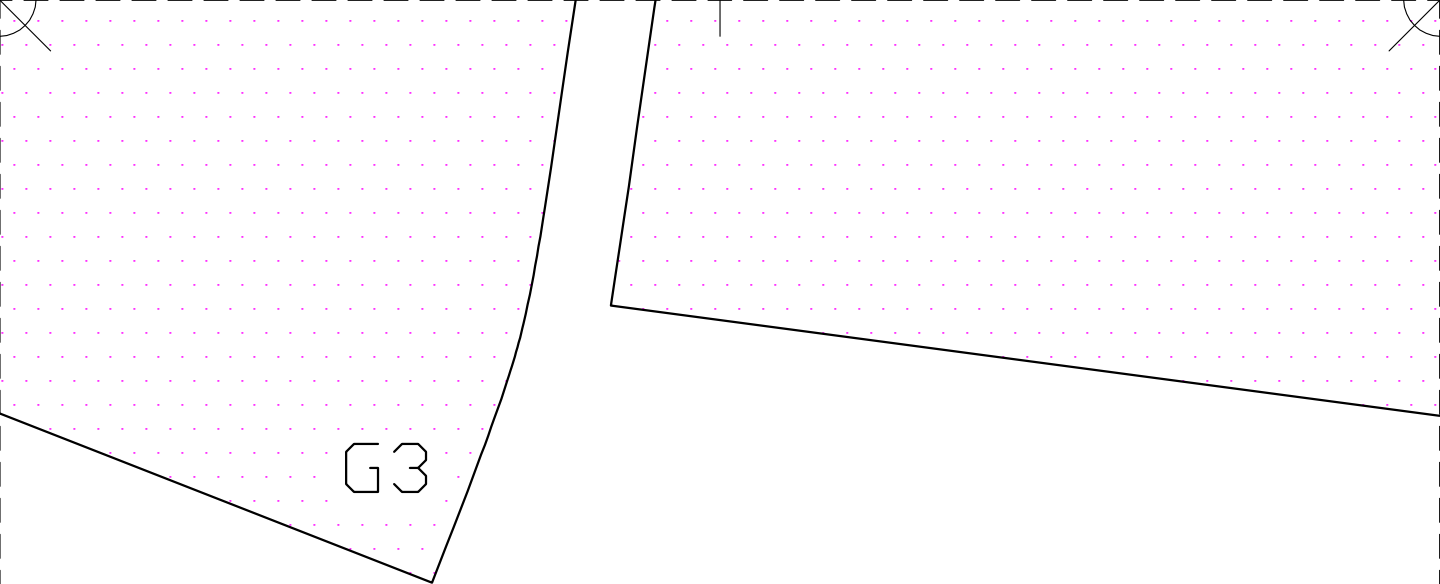
38 CANOPY B/C-2  
1  
FOAM BOARD  
FT MUSTANG - v.1.0

39 CANOPY - B/C3  
1  
FOAM BOARD  
FT MUSTANG - v.1.0

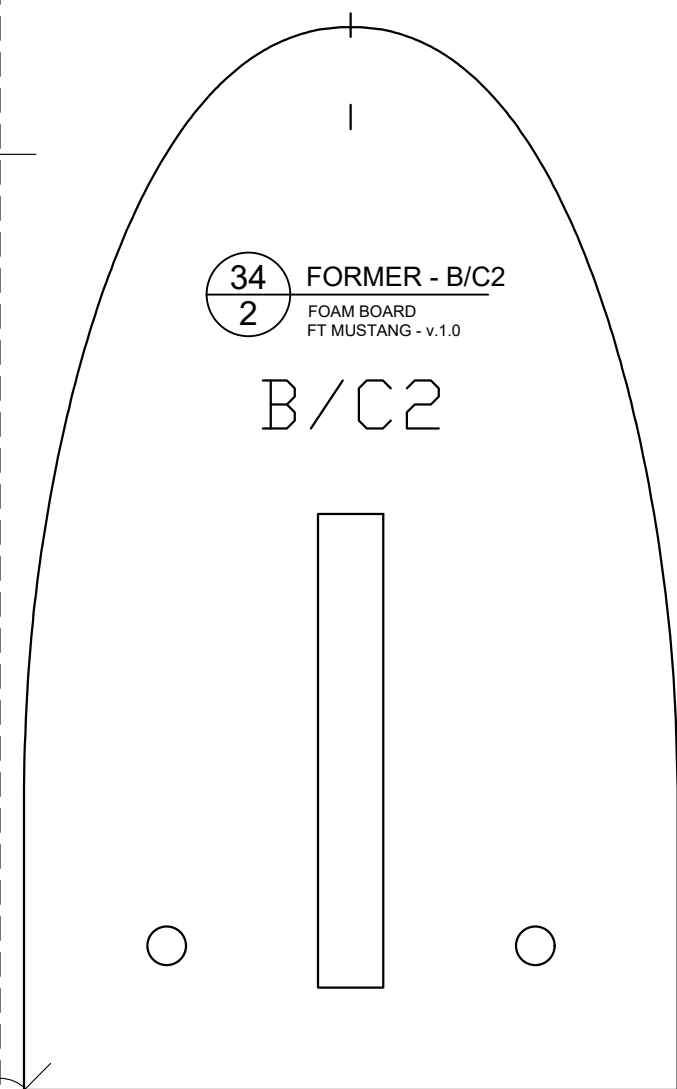
36 TAIL FAIRING B/C  
1  
FOAM BOARD  
FT MUSTANG - v.1.0







G3

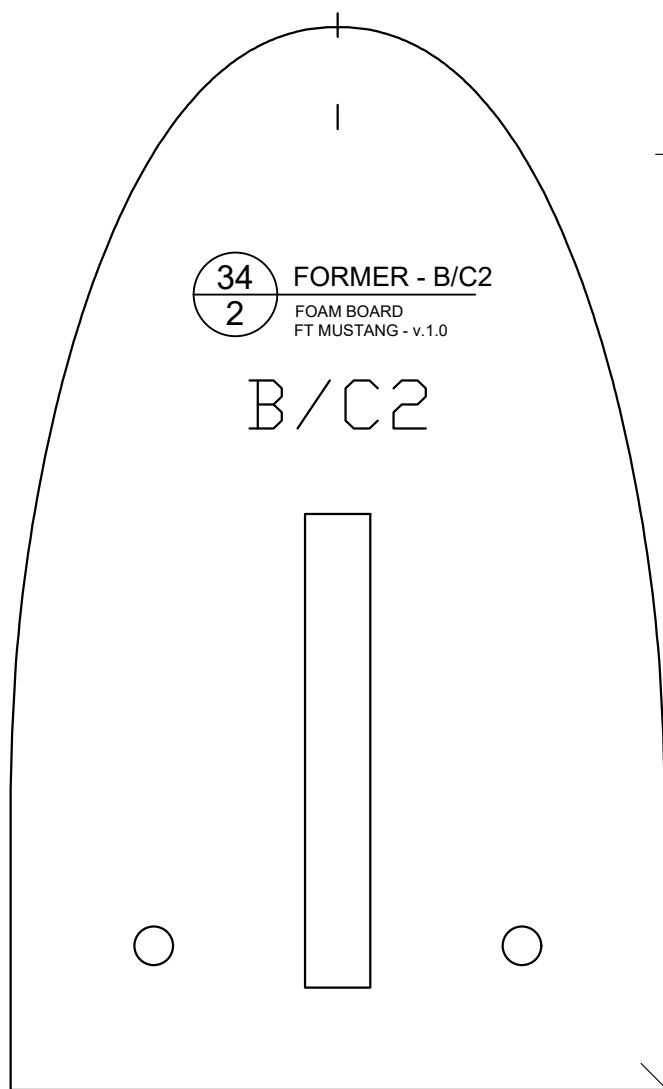


34  
2

FORMER - B/C2

FOAM BOARD  
FT MUSTANG - v.1.0

B/C2



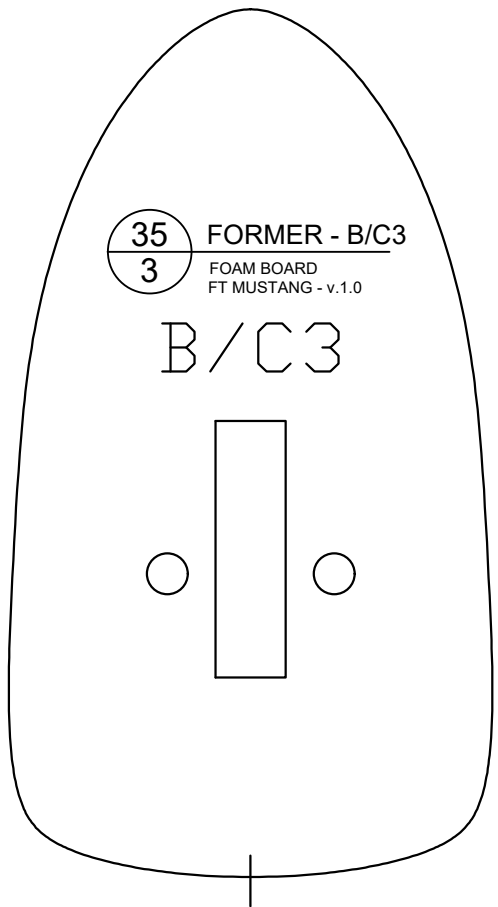
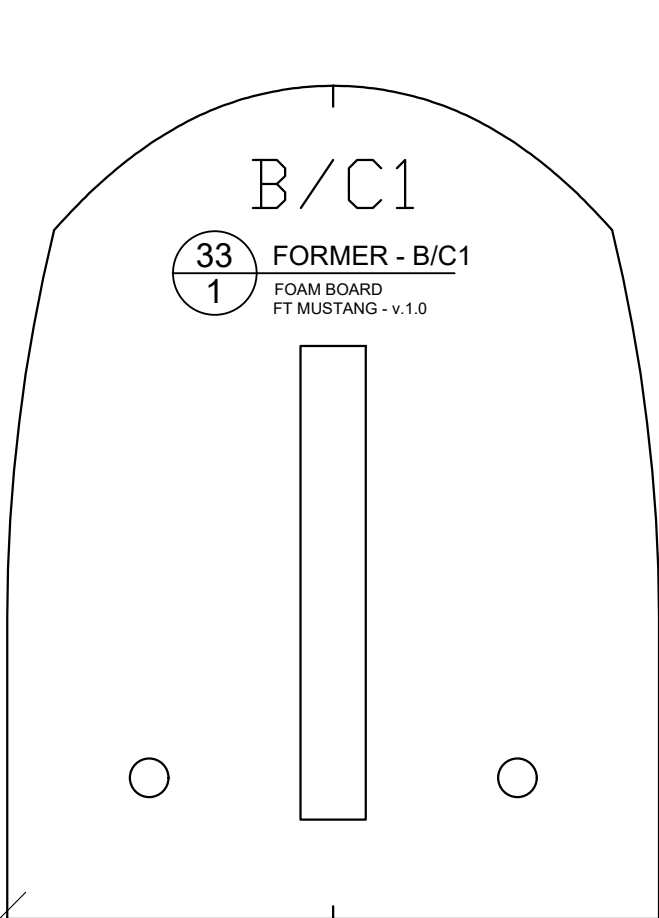
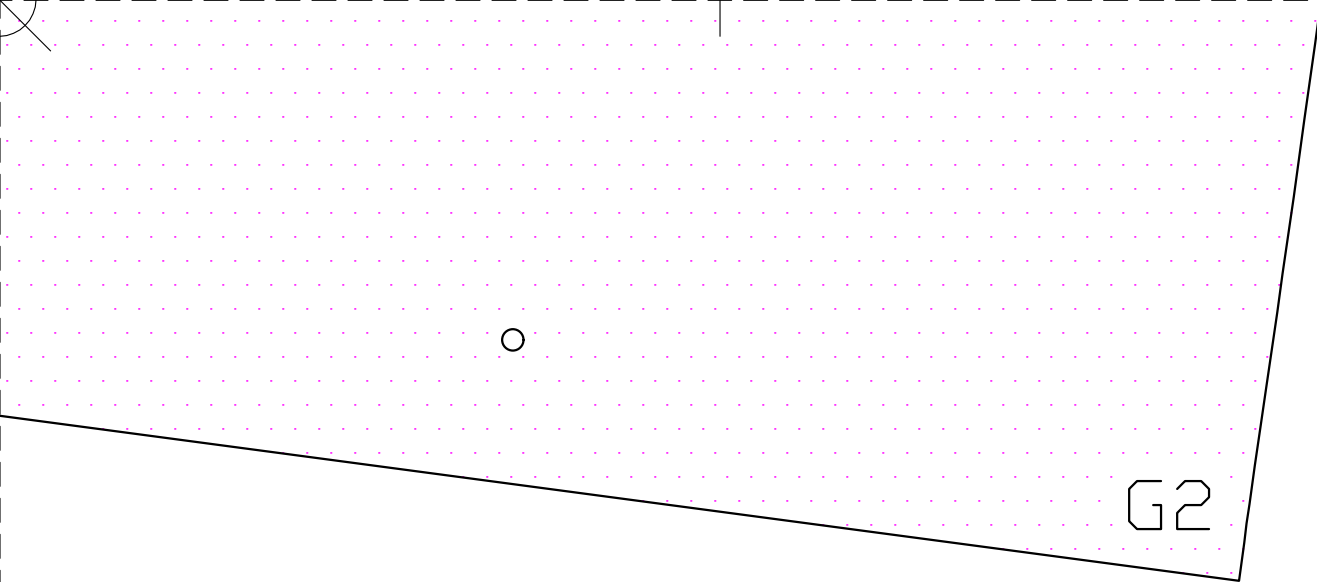
34  
2

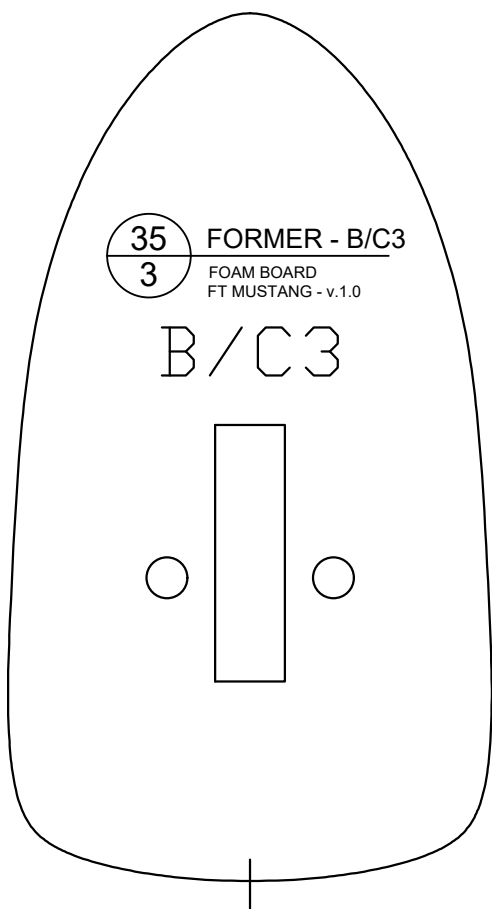
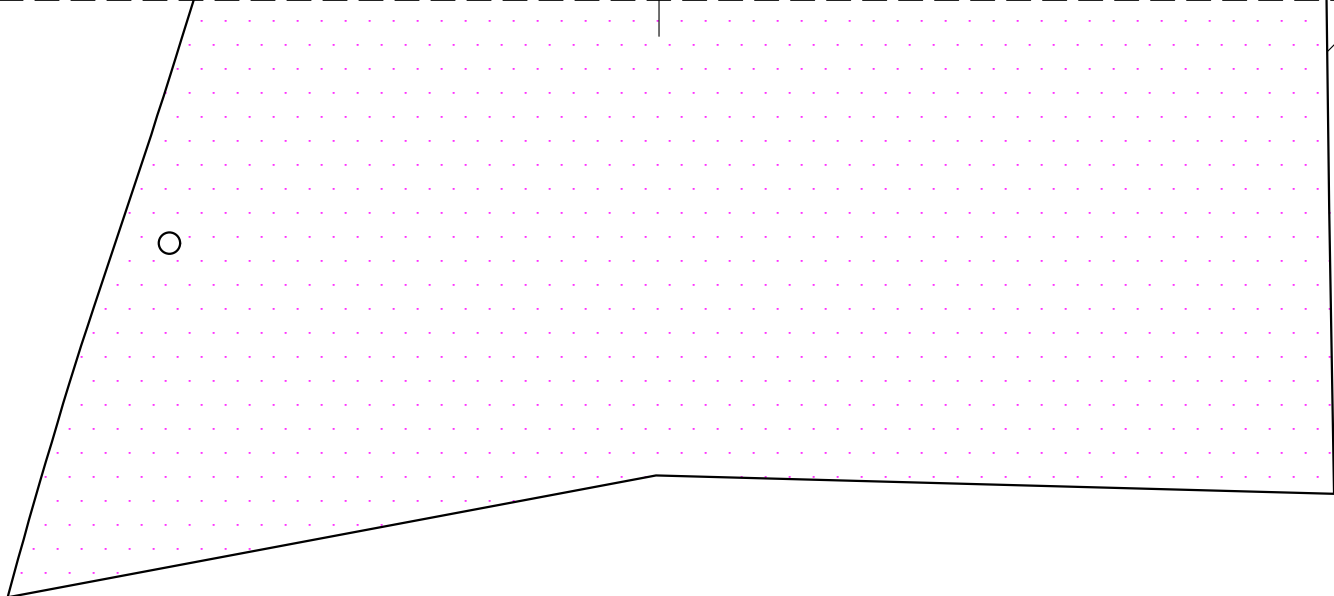
FORMER - B/C2

FOAM BOARD  
FT MUSTANG - v.1.0

B/C2





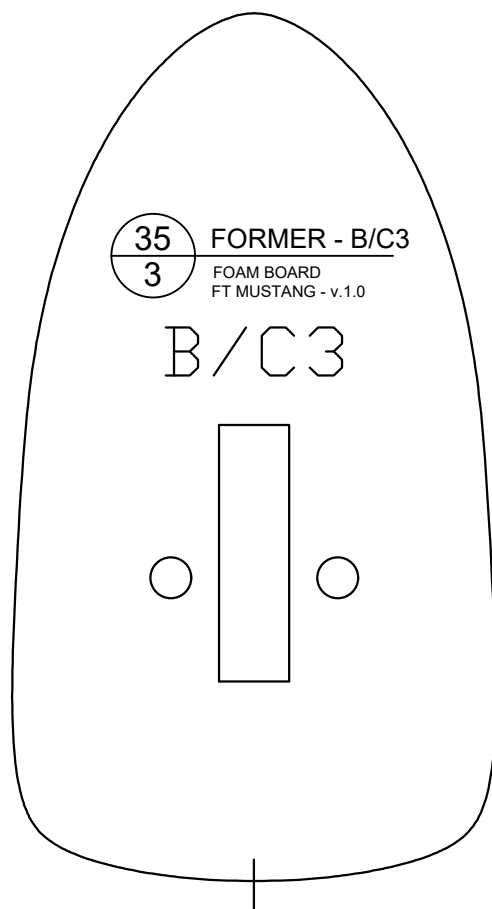


35  
3

FORMER - B/C3

FOAM BOARD  
FT MUSTANG - v.1.0

B/C3



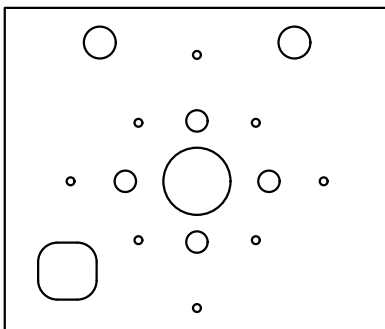
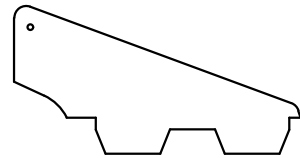
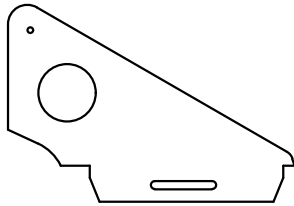
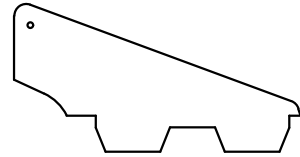
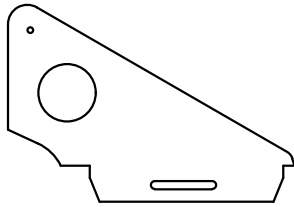
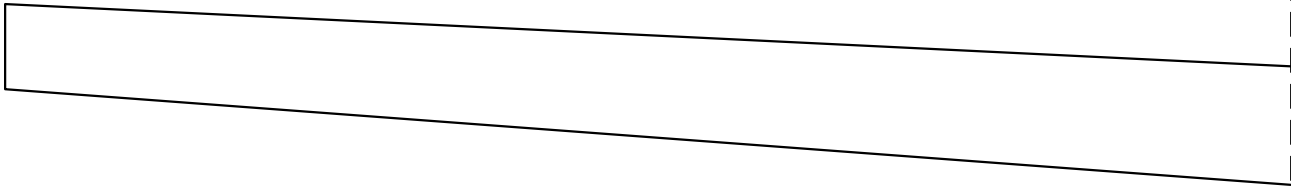
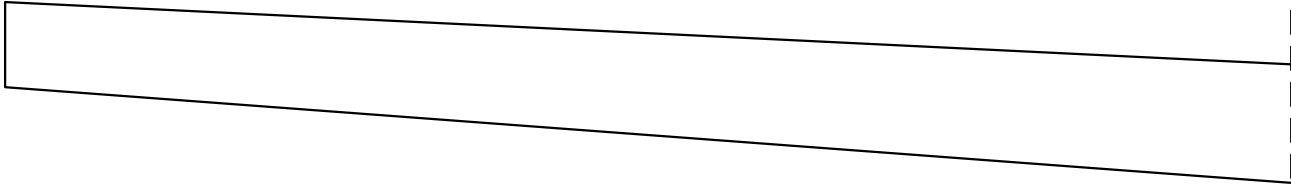
35  
3

FORMER - B/C3

FOAM BOARD  
FT MUSTANG - v.1.0

B/C3







# ALL PLYWOOD 3/32 THICK

P-51

P-51



