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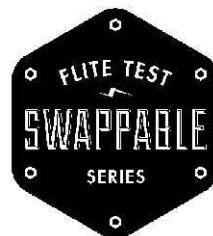
# FT Legacy

Designed By: Josh Bixler

Drawing By: Dan Sponholz

Version: 1.1

Date: 2018.11.20



## GENERAL SPECIFICATIONS:

LENGTH: 39.50 in | 1003 mm

CG: 2.50 in | 64 mm

WINGSPAN: 56.50 in | 1435 mm

WING AREA: 497.1 in<sup>2</sup> | 32.1 dm<sup>2</sup>

DRY WEIGHT: 39.2 oz. | 1111 g

ALL UP WEIGHT: 52.0 oz. | 1475 g

WING LOADING: 15.1 oz/ft<sup>2</sup> | 46 g/dm<sup>2</sup>

WCL: 8.1

THROWS: 12° - 16°

EXPO: 30%

CHANNELS: 3-6 [THR | RUD | ELE | AIL | FLAPS | ACC]

## RECOMMENDED ELECTRONICS:

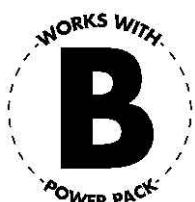
MOTOR: Park 425 1000 kv min.

PROPELLER: 9x4.5 (4S) to 10x4.5 (3S)

ESC: 30 amp min.

SERVOS: (2-7) 9 gram

BATTERY: 2200-3300 mAh 3S-4S



## BUILD SKILL LEVEL:

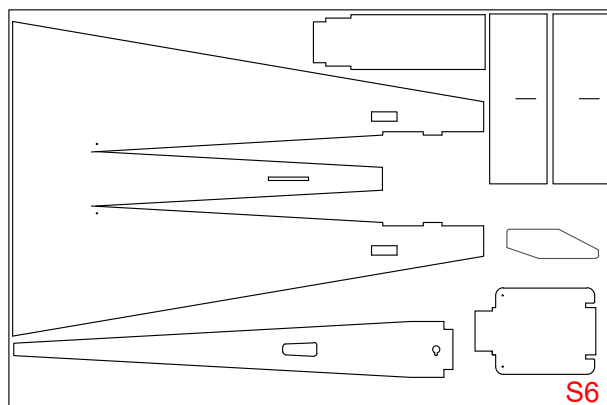
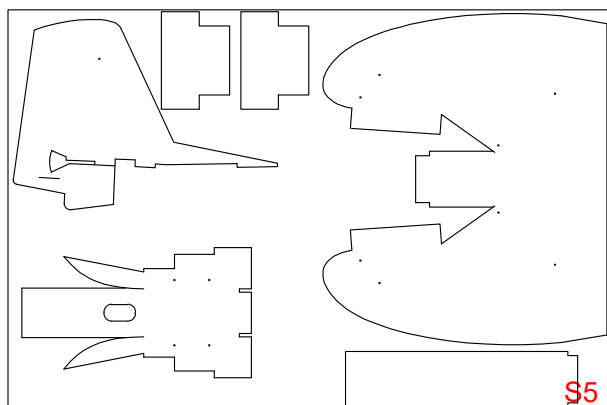
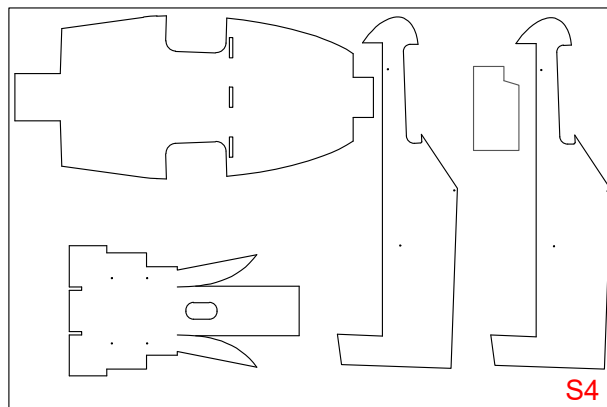
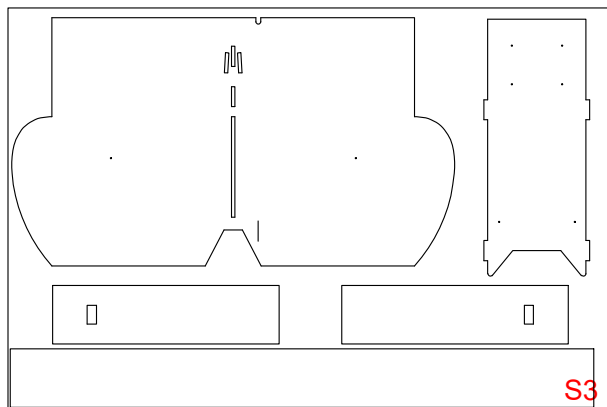
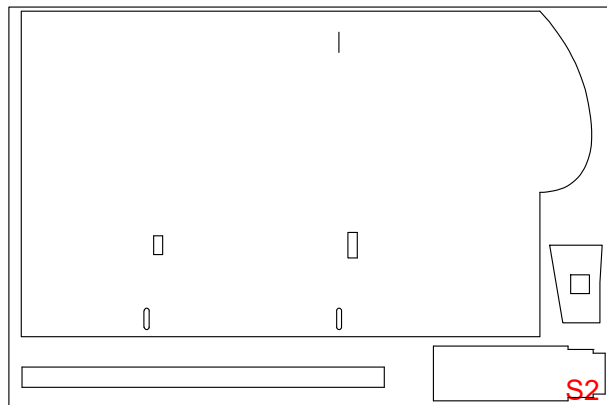
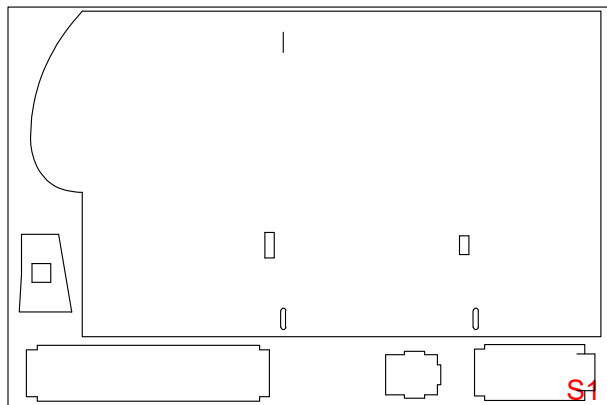


## PILOT SKILL LEVEL:



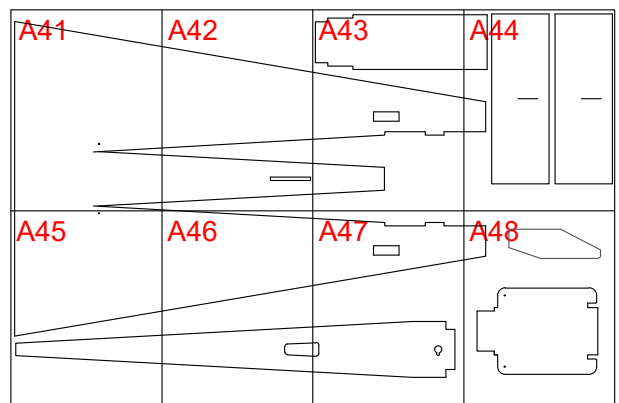
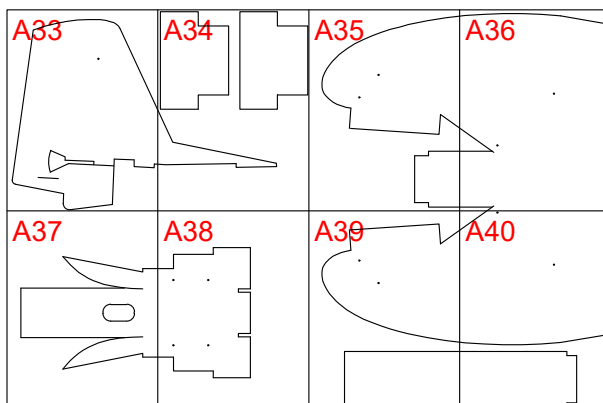
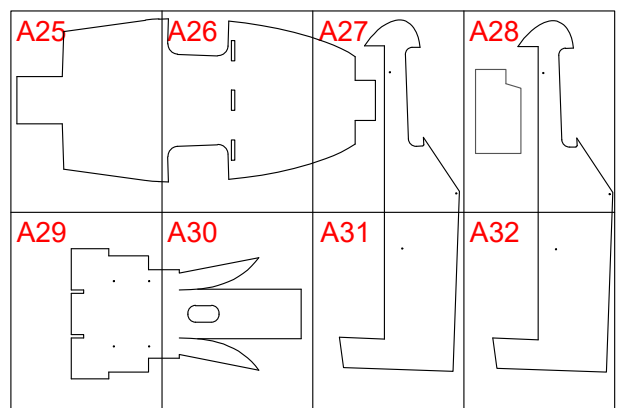
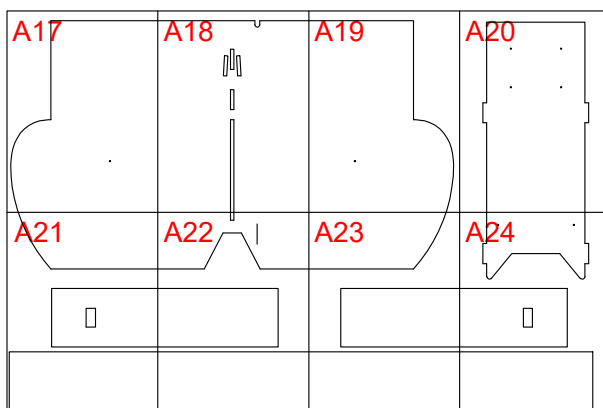
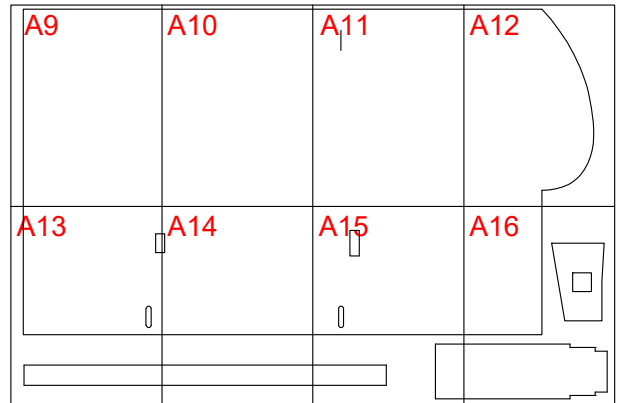
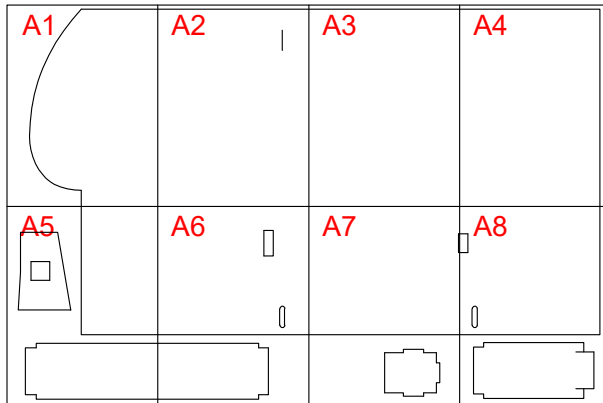


# FT Legacy: Full-Size Key



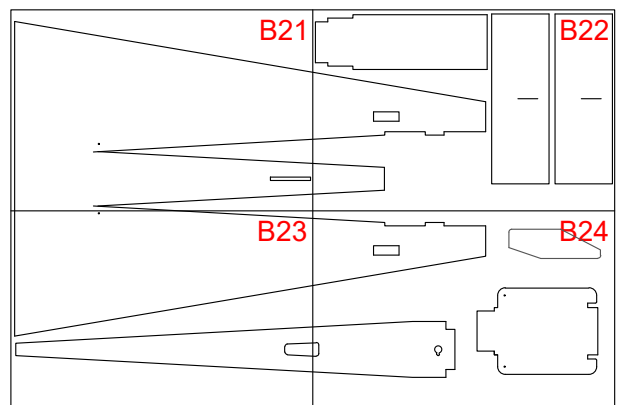
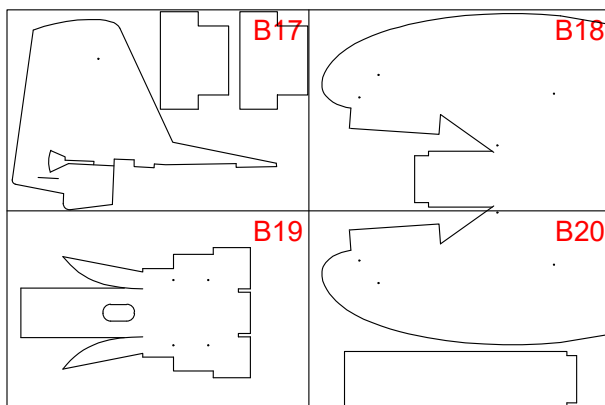
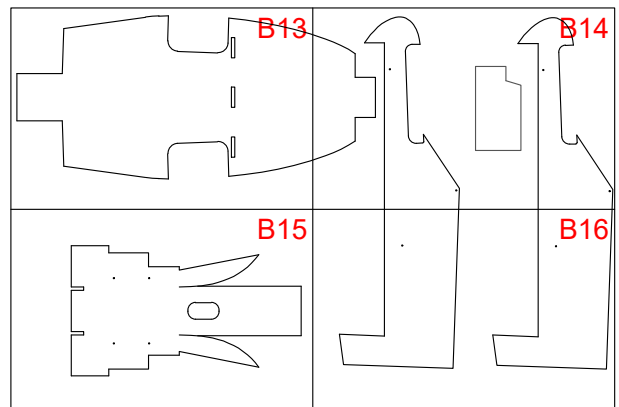
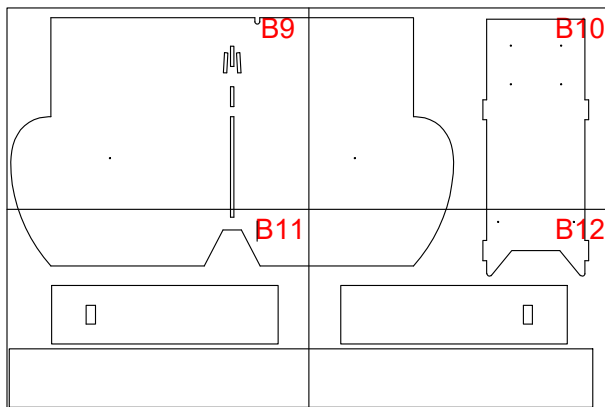
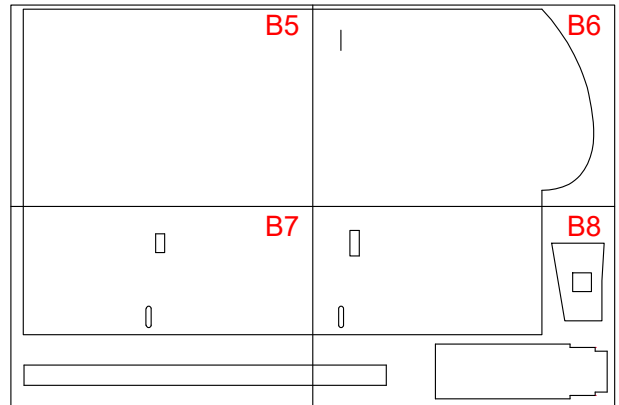
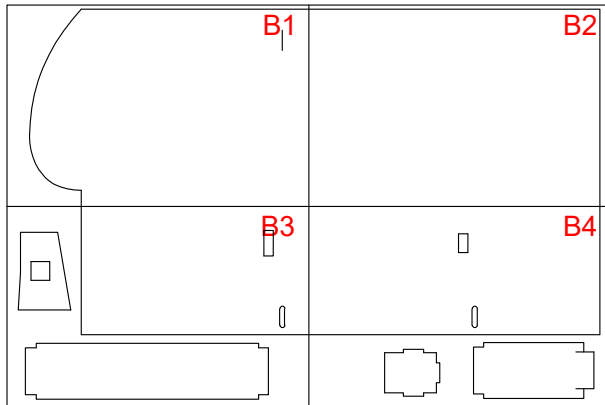


# FT Legacy: Tile A Key





# FT Legacy: Tile B Key

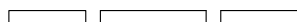
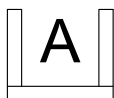




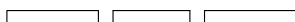
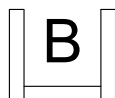
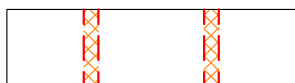
# Drawing Key



## FOLD TYPES



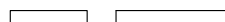
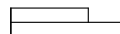
A - FOLD (ABOVE)



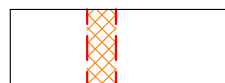
B - FOLD (BESIDE)



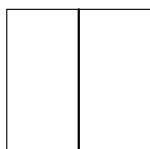
C



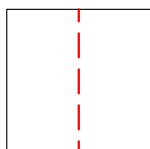
C - FOLD (COVER)



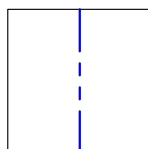
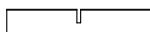
## LINE TYPE/COLOR



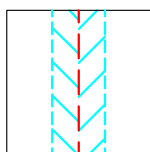
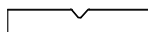
CUT



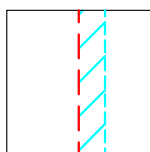
50% SCORE



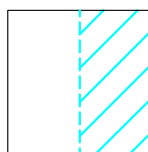
CREASE



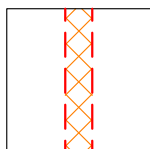
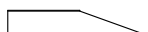
45° DOUBLE  
BEVEL



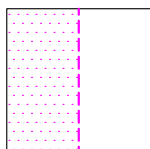
45° SINGLE  
BEVEL



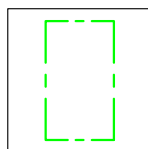
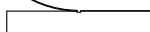
EDGE  
BEVEL



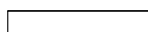
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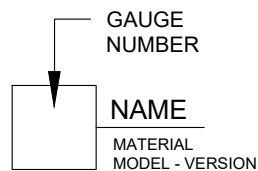
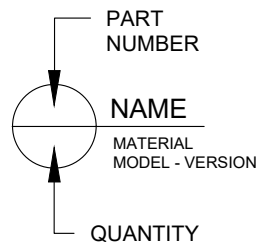
REMOVE  
PAPER



REFERENCE/  
OPTIONAL



## SYMBOLS



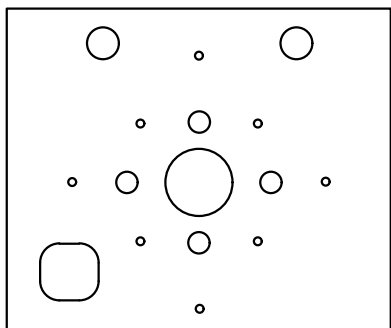
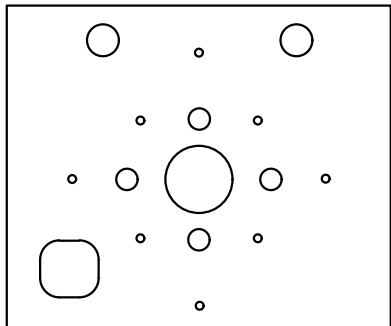
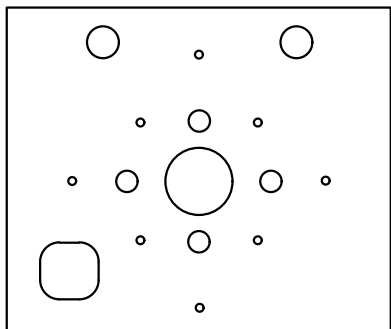


# FT Legacy: Wood Parts

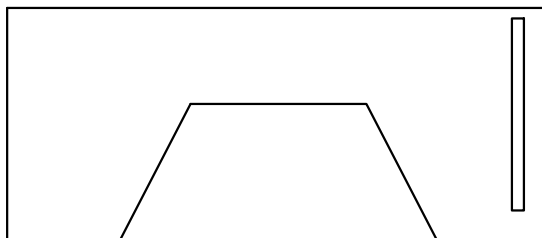


HOBBY GRADE PLYWOOD  
3/32" (2.4 mm) THICK

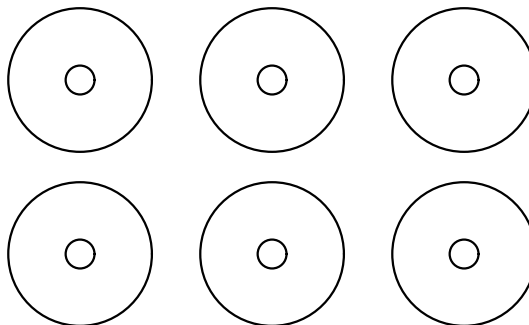
## FT STANDARD FIREWALL



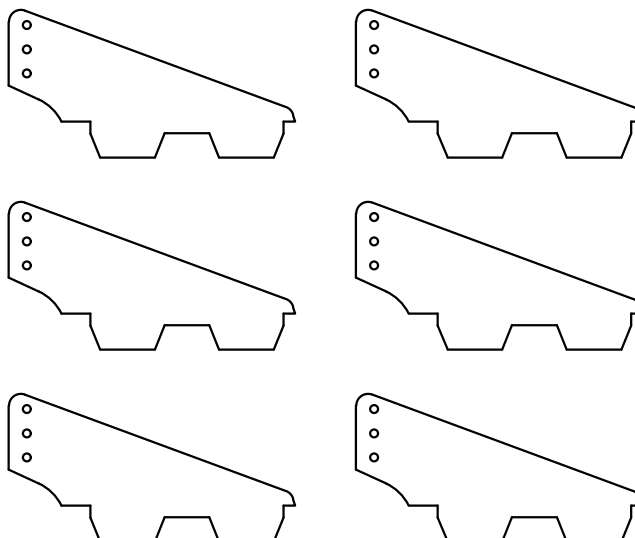
## ELEVATOR SUPPORT



## FT REINFORCEMENT DISCS



## FT STANDARD CONTROL HORN



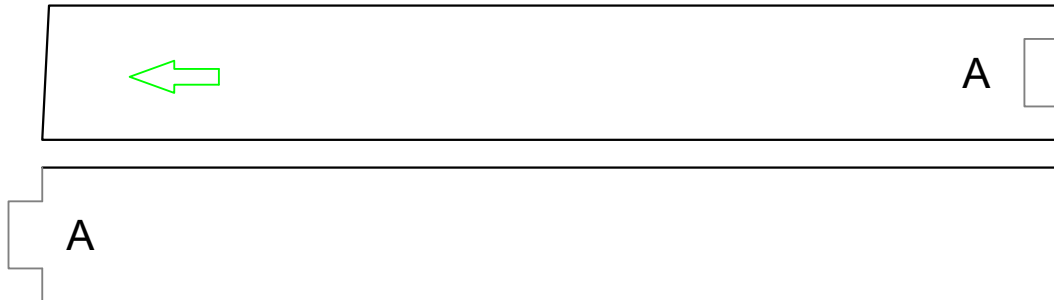


# FT Legacy: Wood Parts

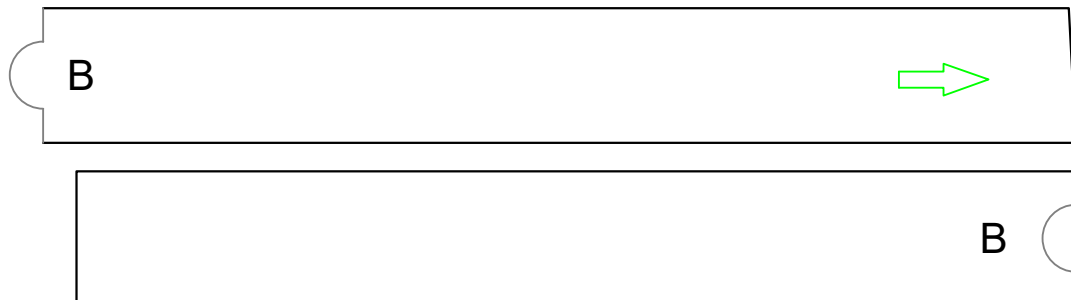


HOBBY GRADE PLYWOOD  
3/32" (2.4 mm) THICK

## WOOD SPAR A



## WOOD SPAR B



## WOOD SPAR JOINER

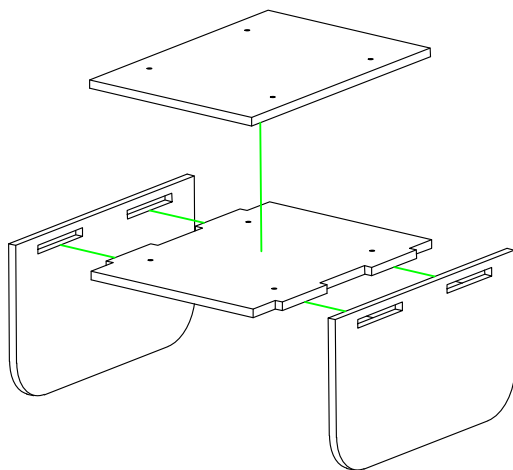




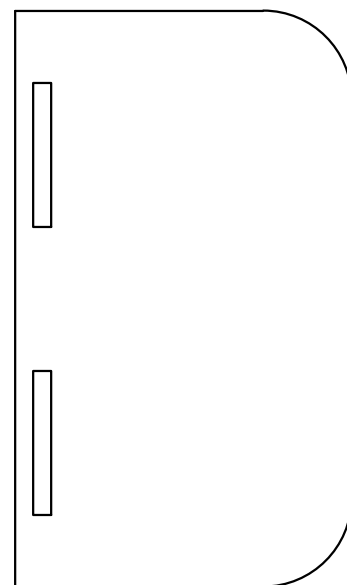
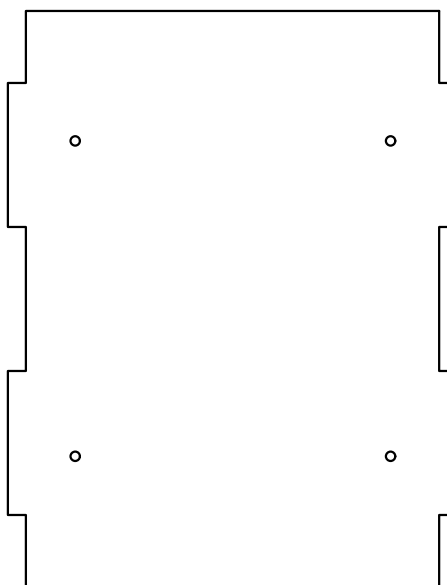
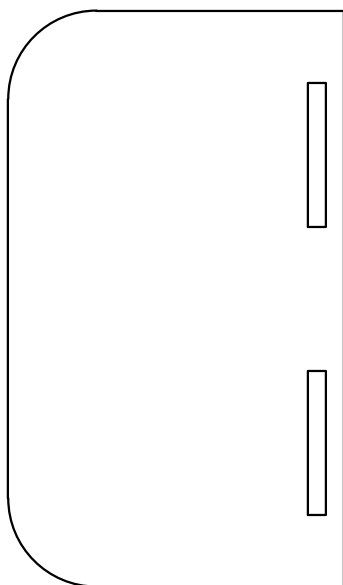
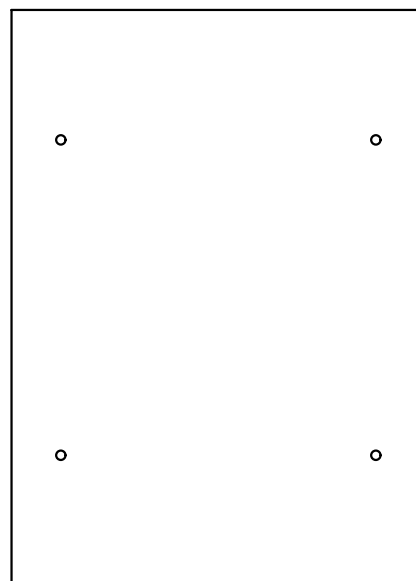
# FT Legacy: Wood Parts



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



GLUE ASSEMBLY TOGETHER  
USING CA OR INSTANT GLUE







# FT Legacy: VINYL WINDOWS



RIGHT FRONT

LEFT FRONT

FRONT



# FT Legacy: VINYL WINDOWS



RIGHT REAR

LEFT REAR

## VINYL WINDOW KEY

RIGHT FRONT

RIGHT REAR

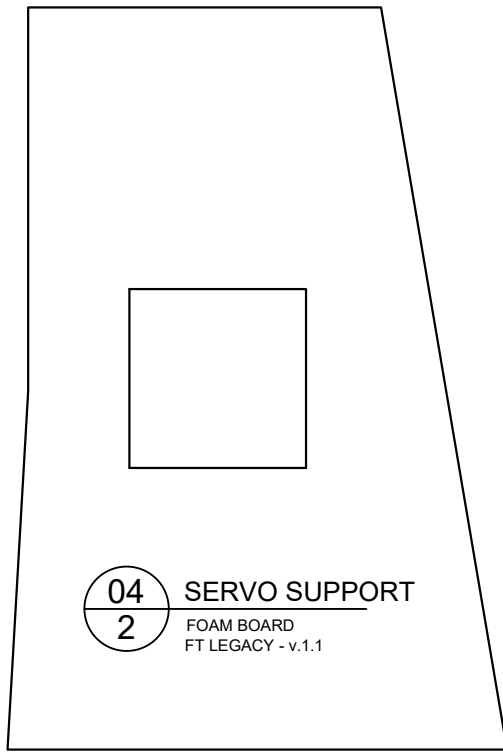
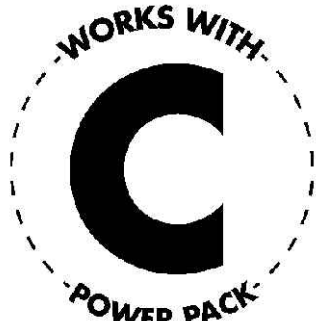
FRONT

LEFT FRONT

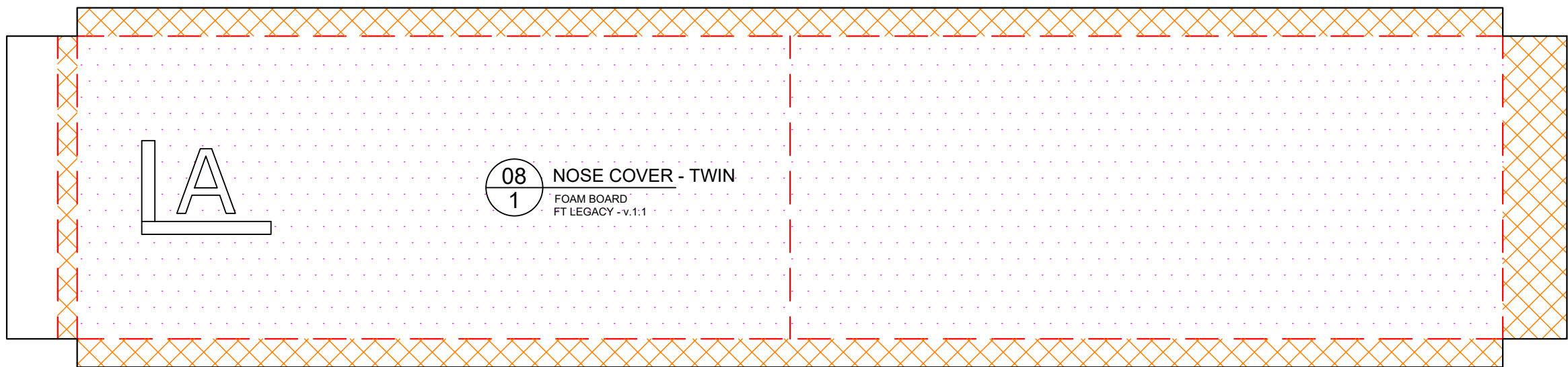
LEFT REAR



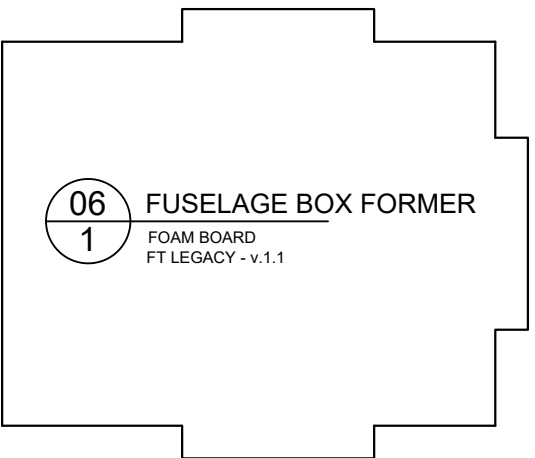
Designed By: Josh Bixler  
Drawing By: Dan Sponholz  
Version: 1.1  
Date: 2018.11.20



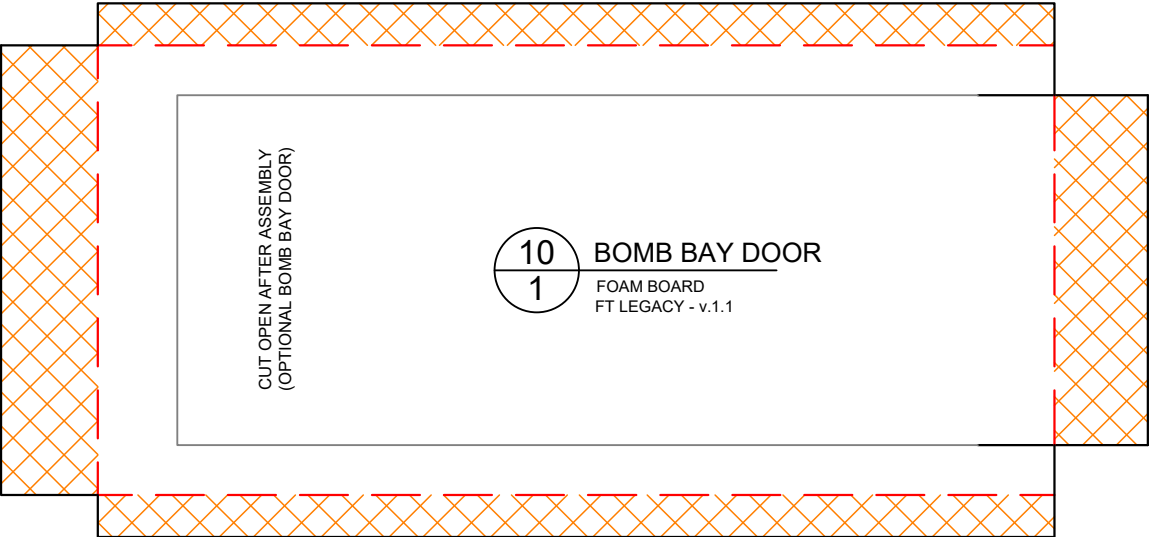
04  
2 SERVO SUPPORT  
FOAM BOARD  
FT LEGACY - v.1.1



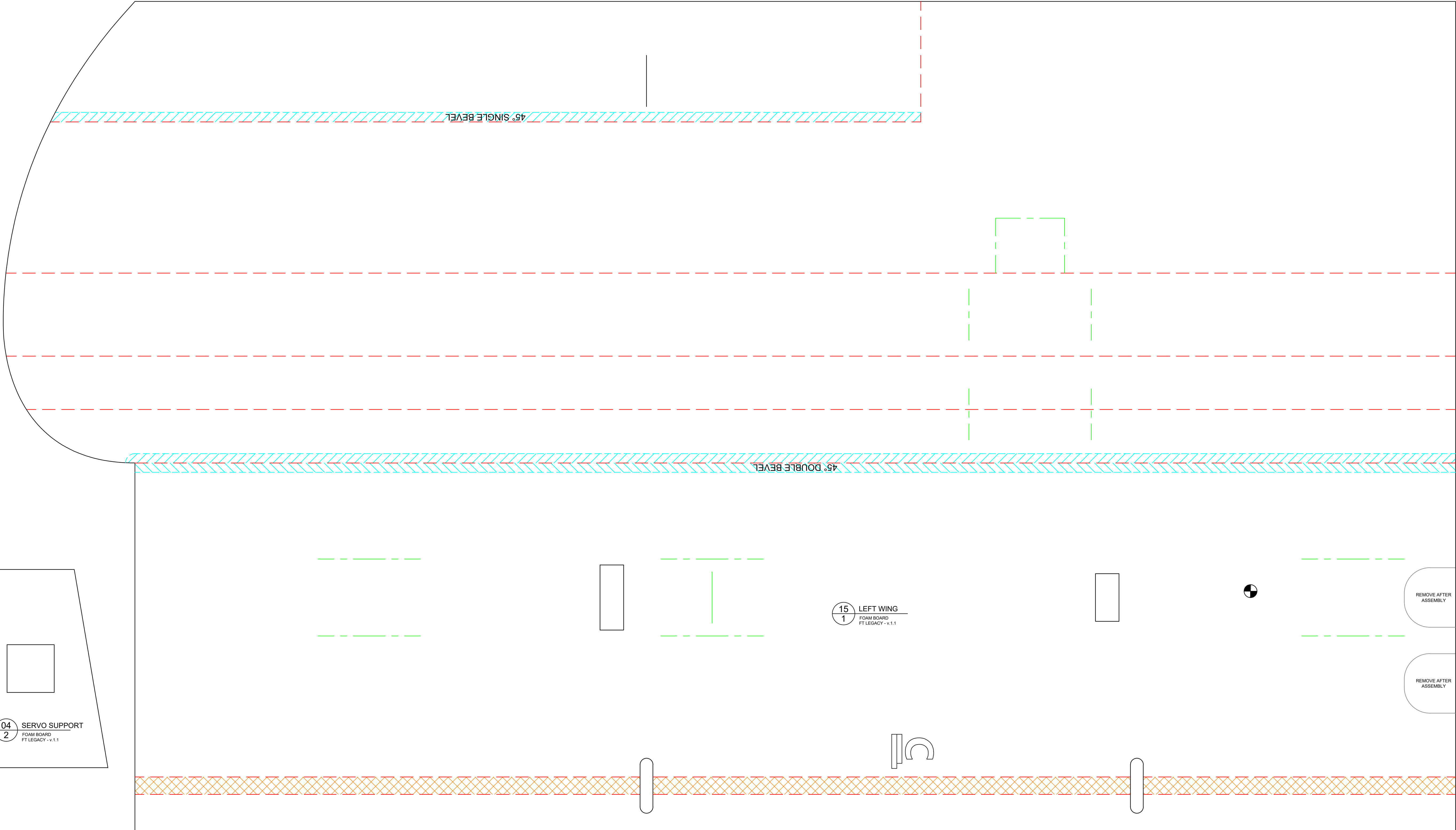
08  
1 NOSE COVER - TWIN  
FOAM BOARD  
FT LEGACY - v.1.1



06  
1 FUSELAGE BOX FORMER  
FOAM BOARD  
FT LEGACY - v.1.1



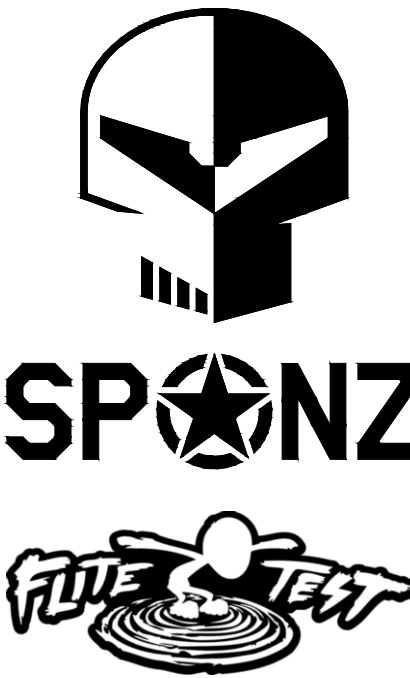
10  
1 BOMB BAY DOOR  
FOAM BOARD  
FT LEGACY - v.1.1

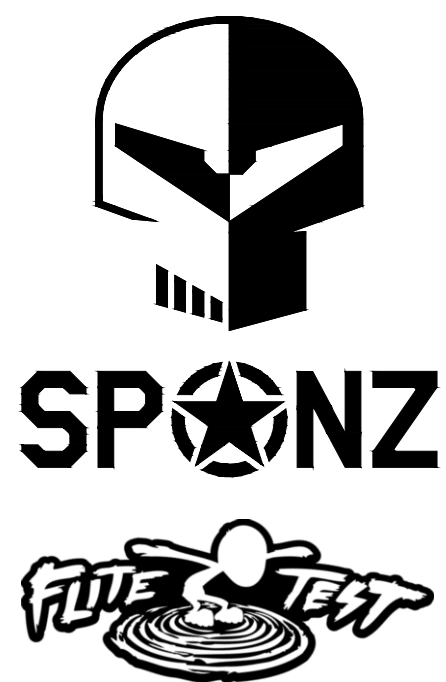
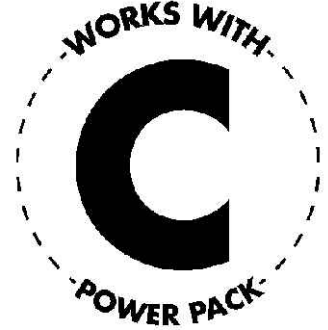


15  
1 LEFT WING  
FOAM BOARD  
FT LEGACY - v.1.1

REMOVE AFTER  
ASSEMBLY

REMOVE AFTER  
ASSEMBLY





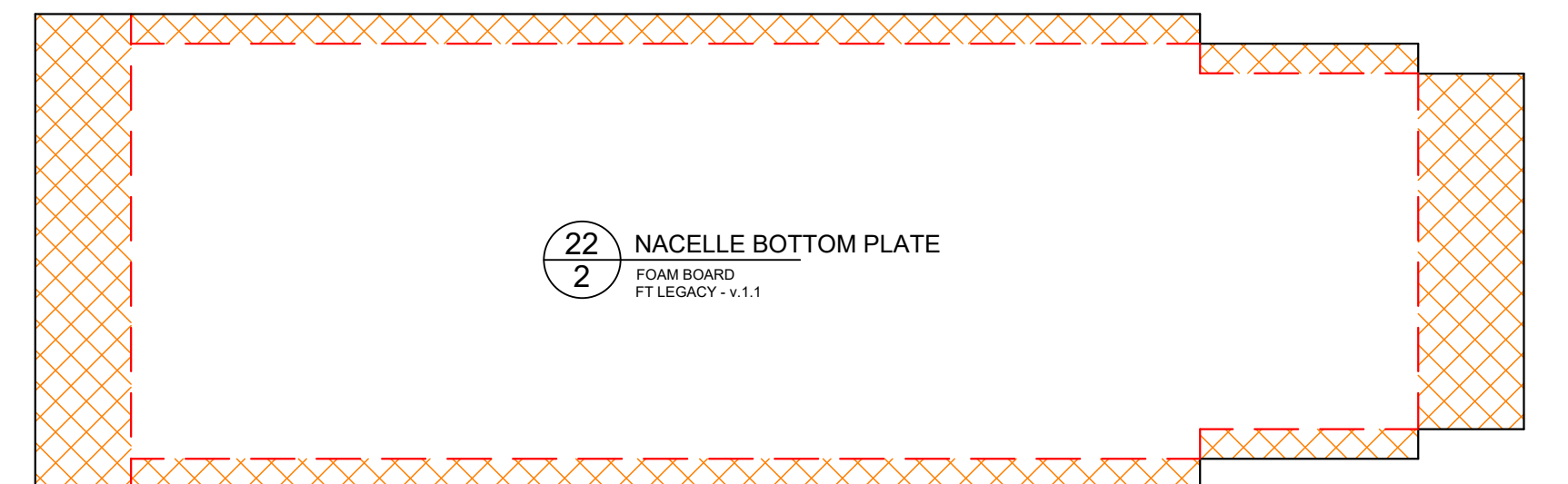
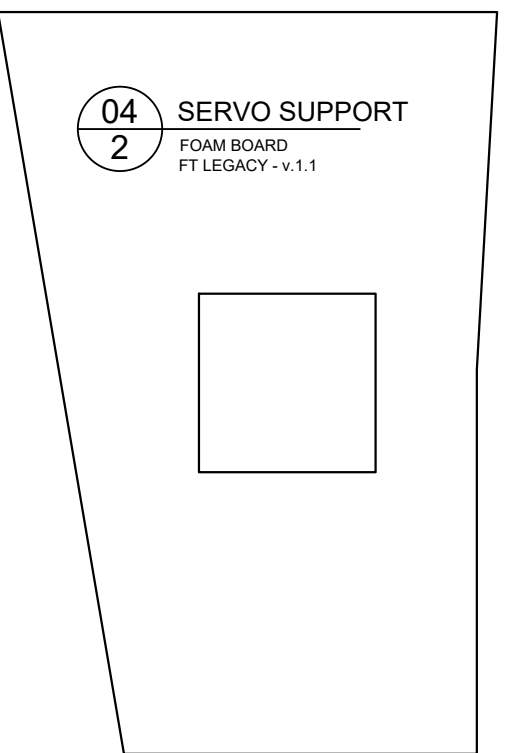
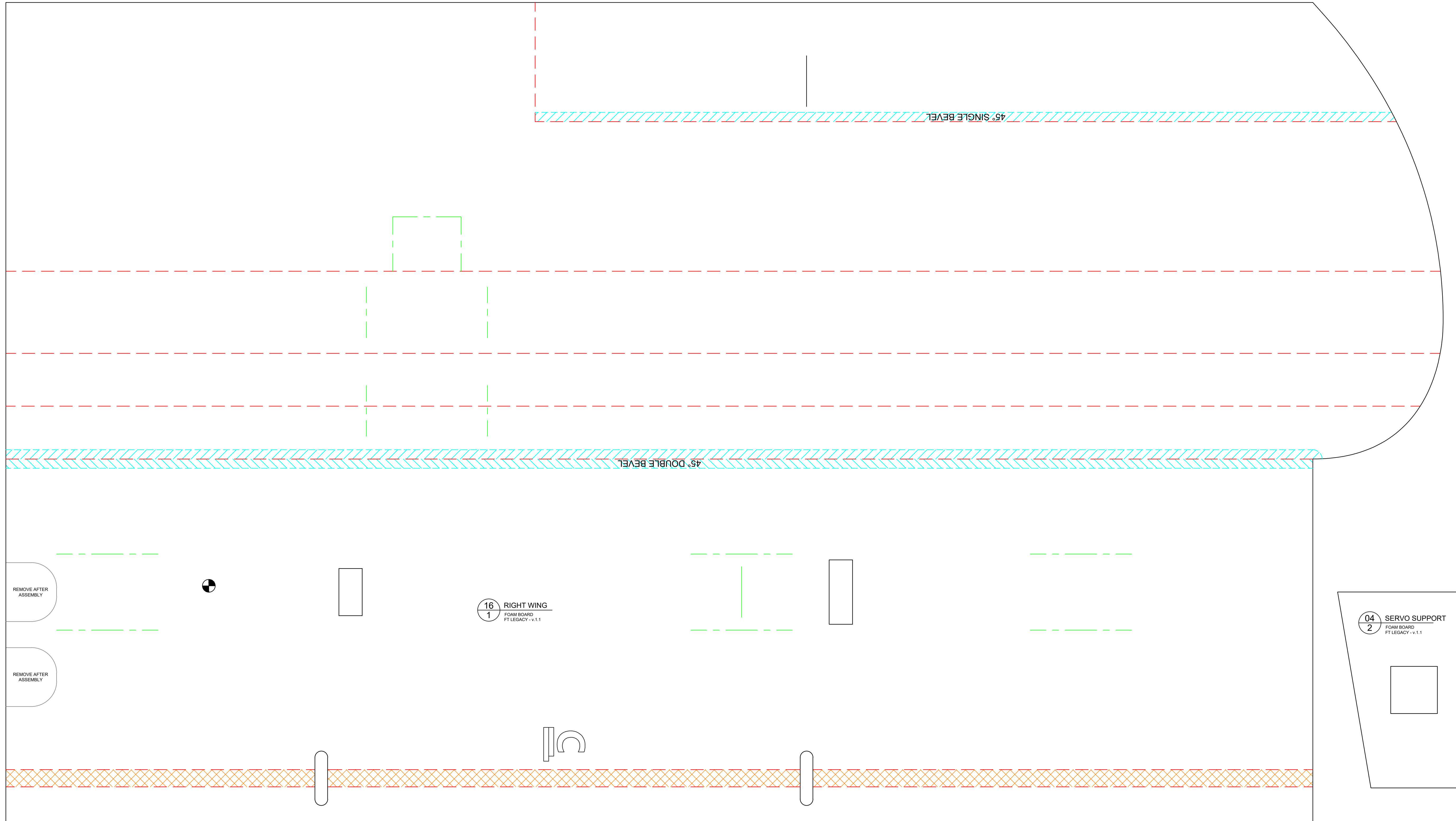
IN  

CM 

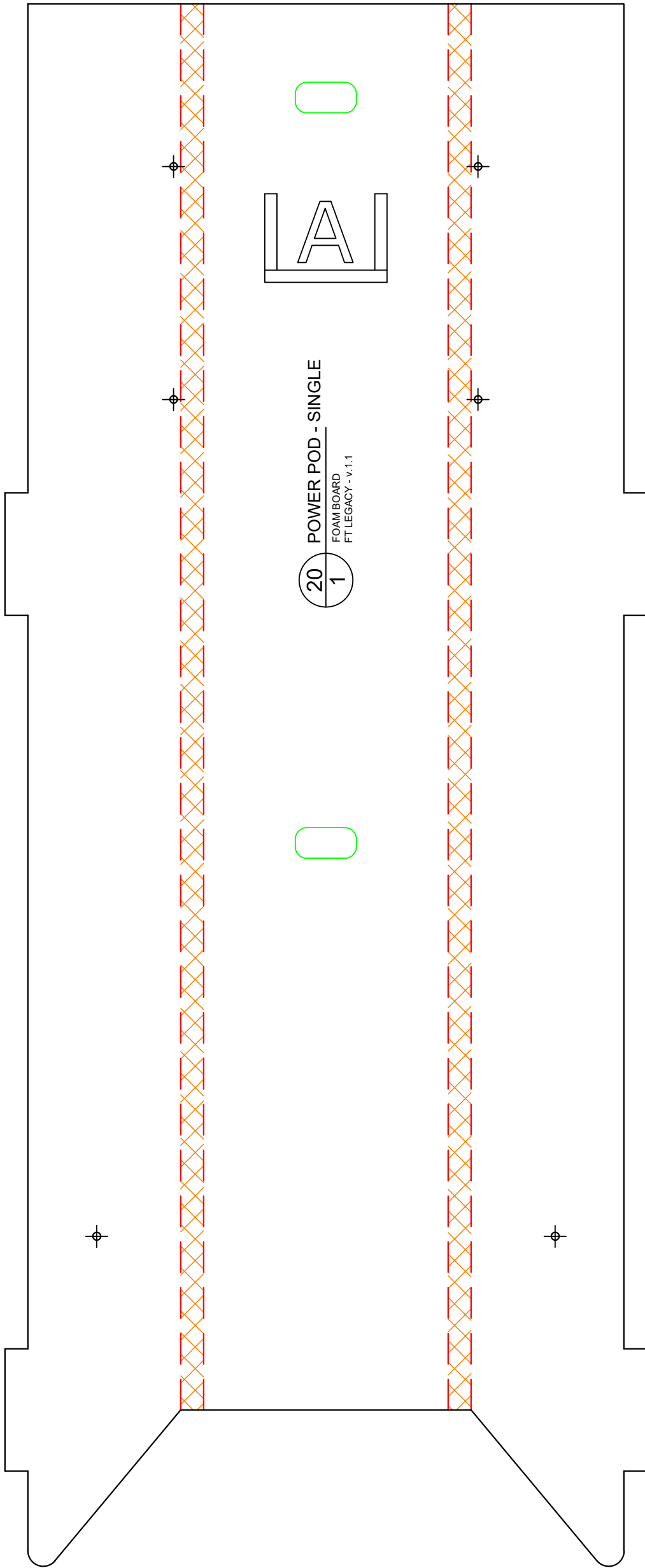
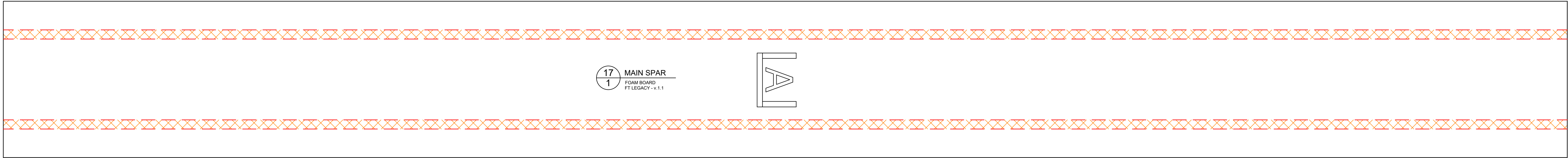
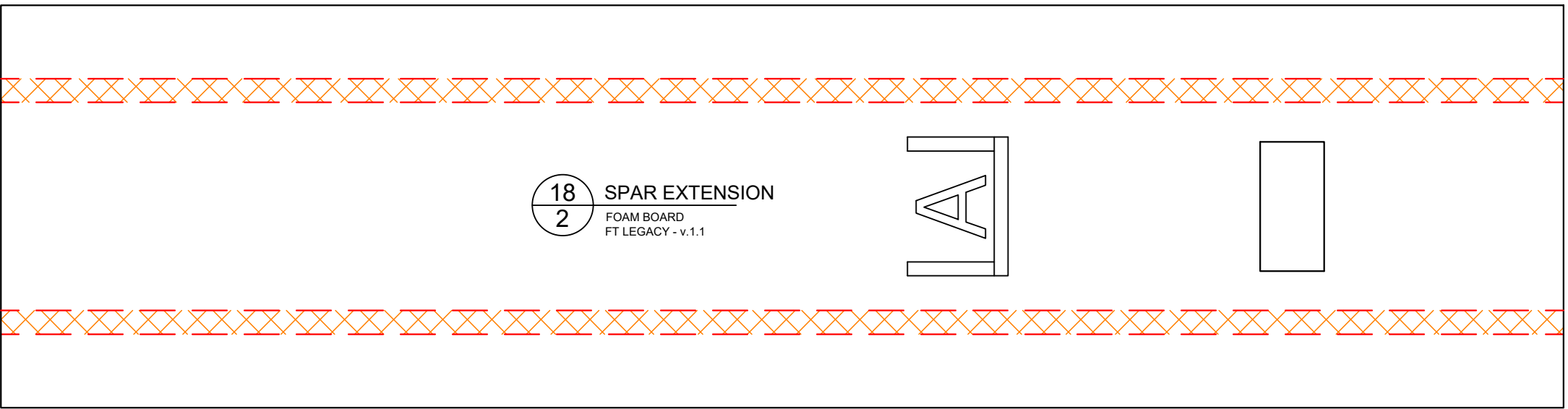
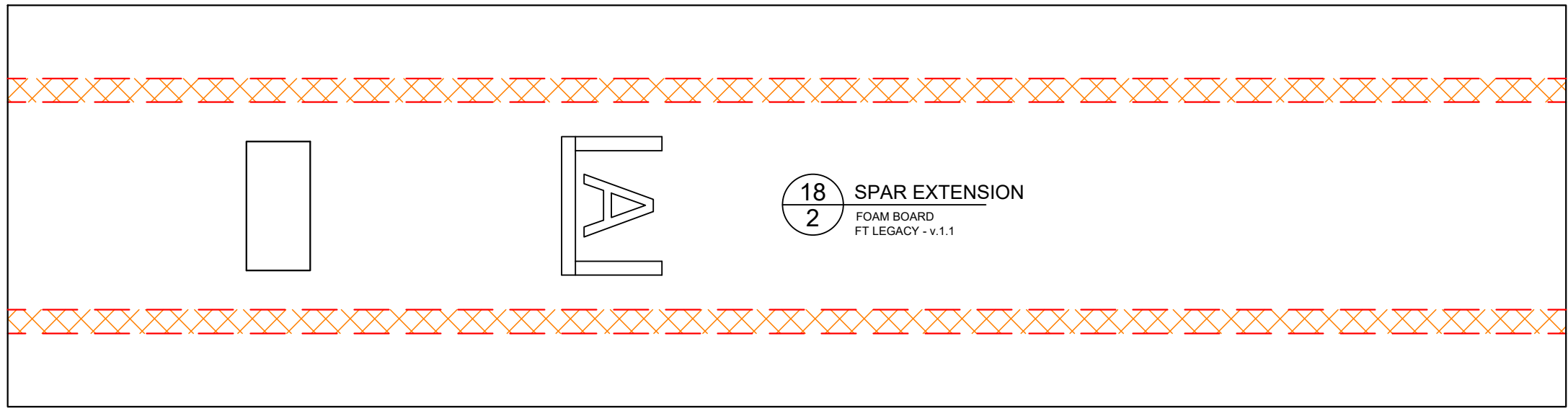
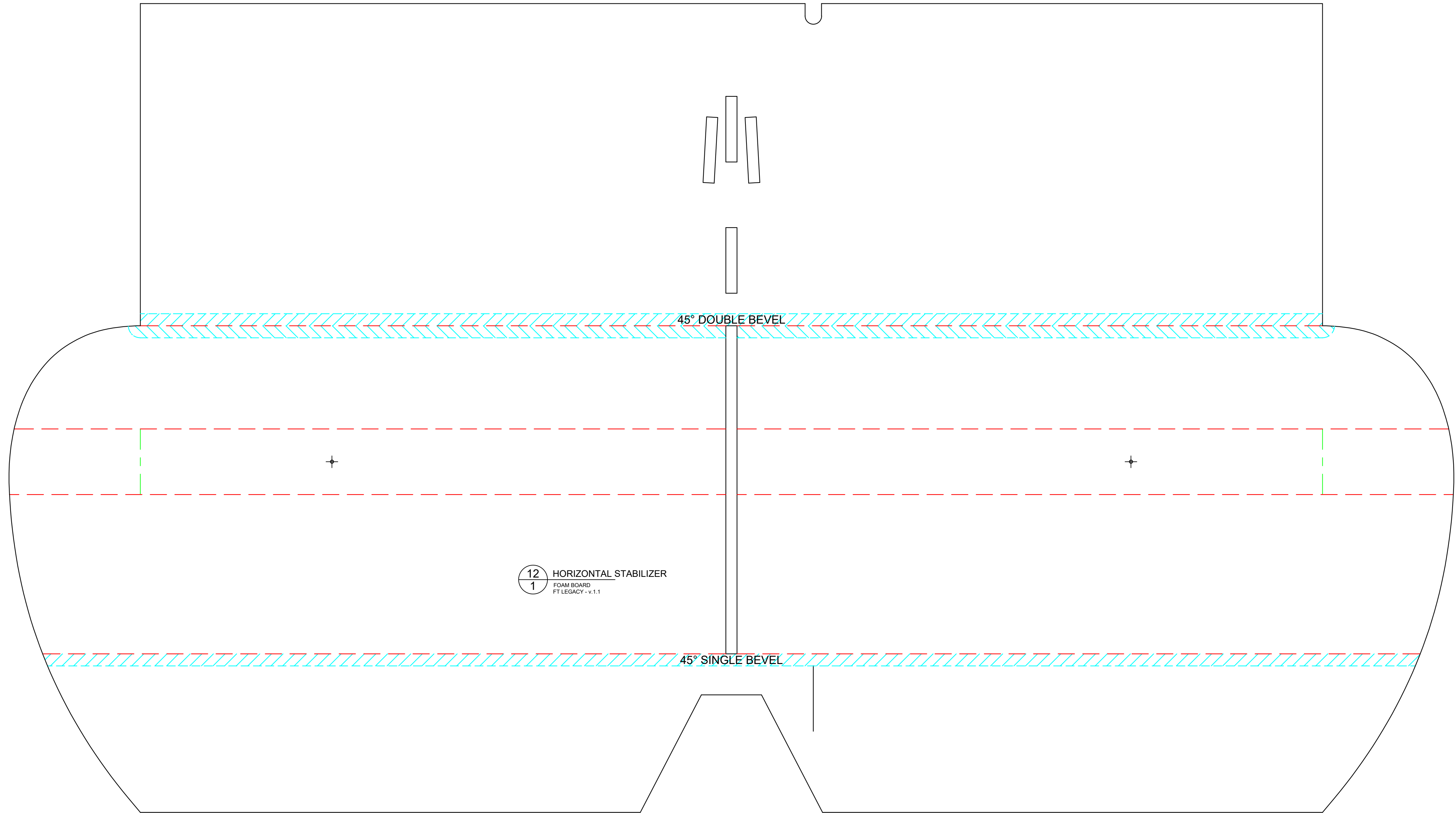
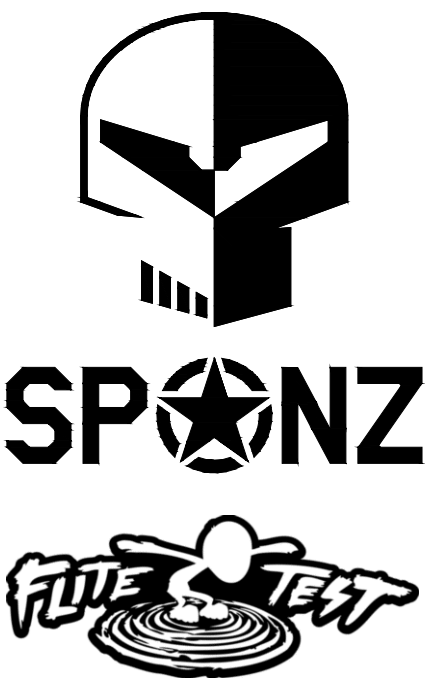
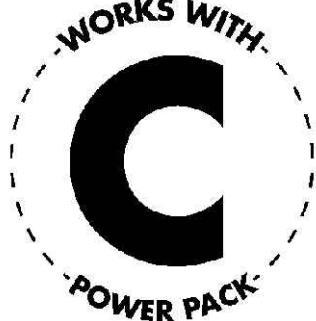
SHEET 2 OF 6

SHEET 2 OF 6

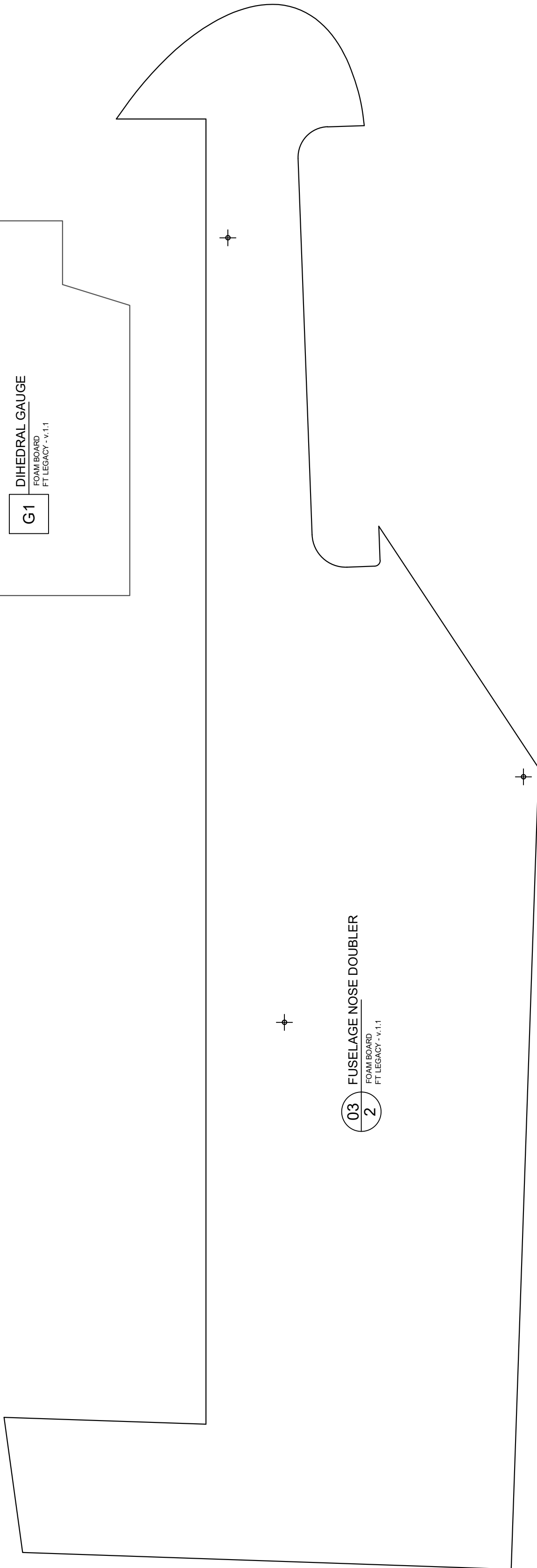
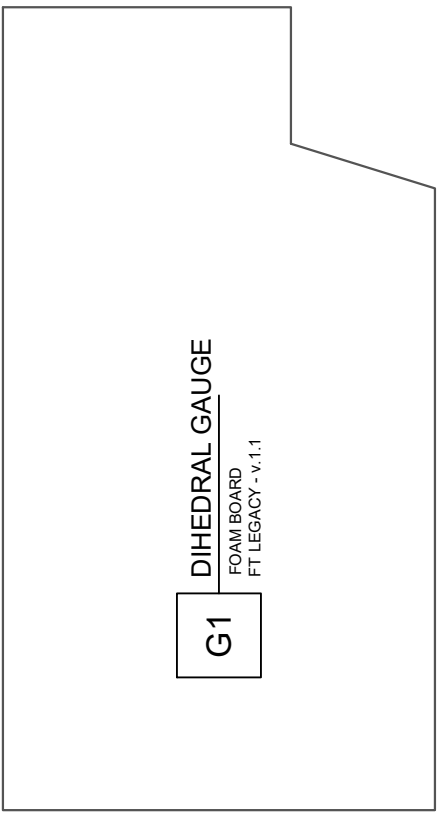
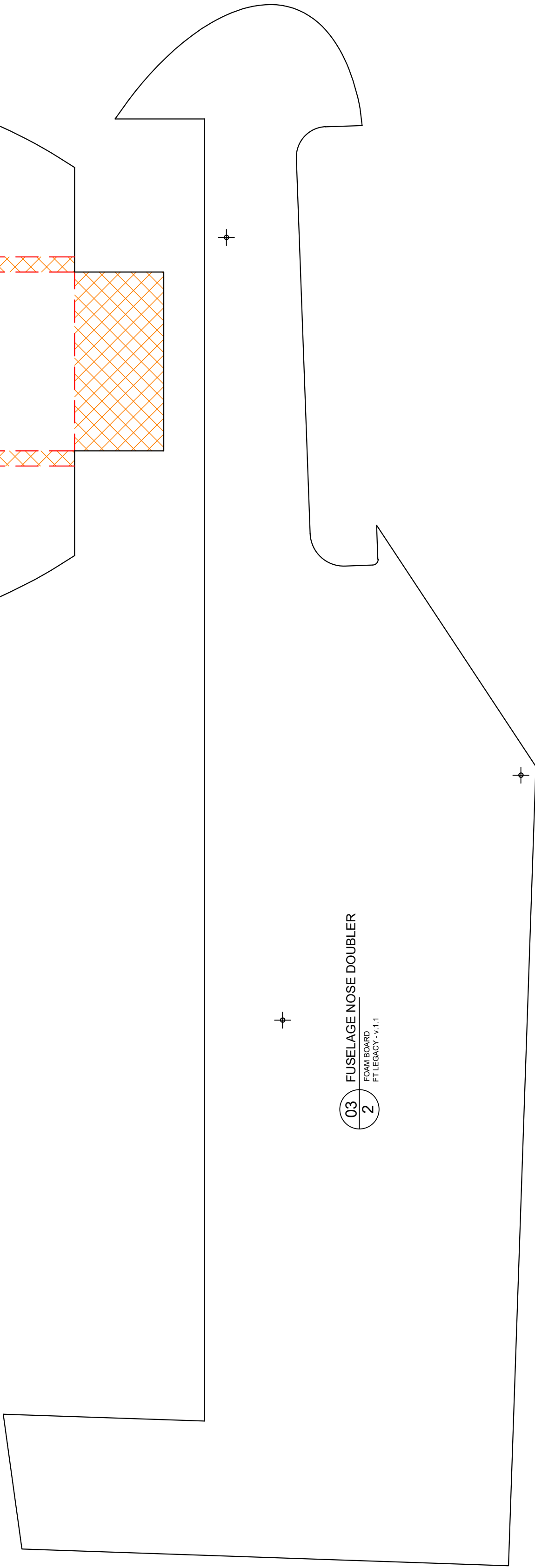
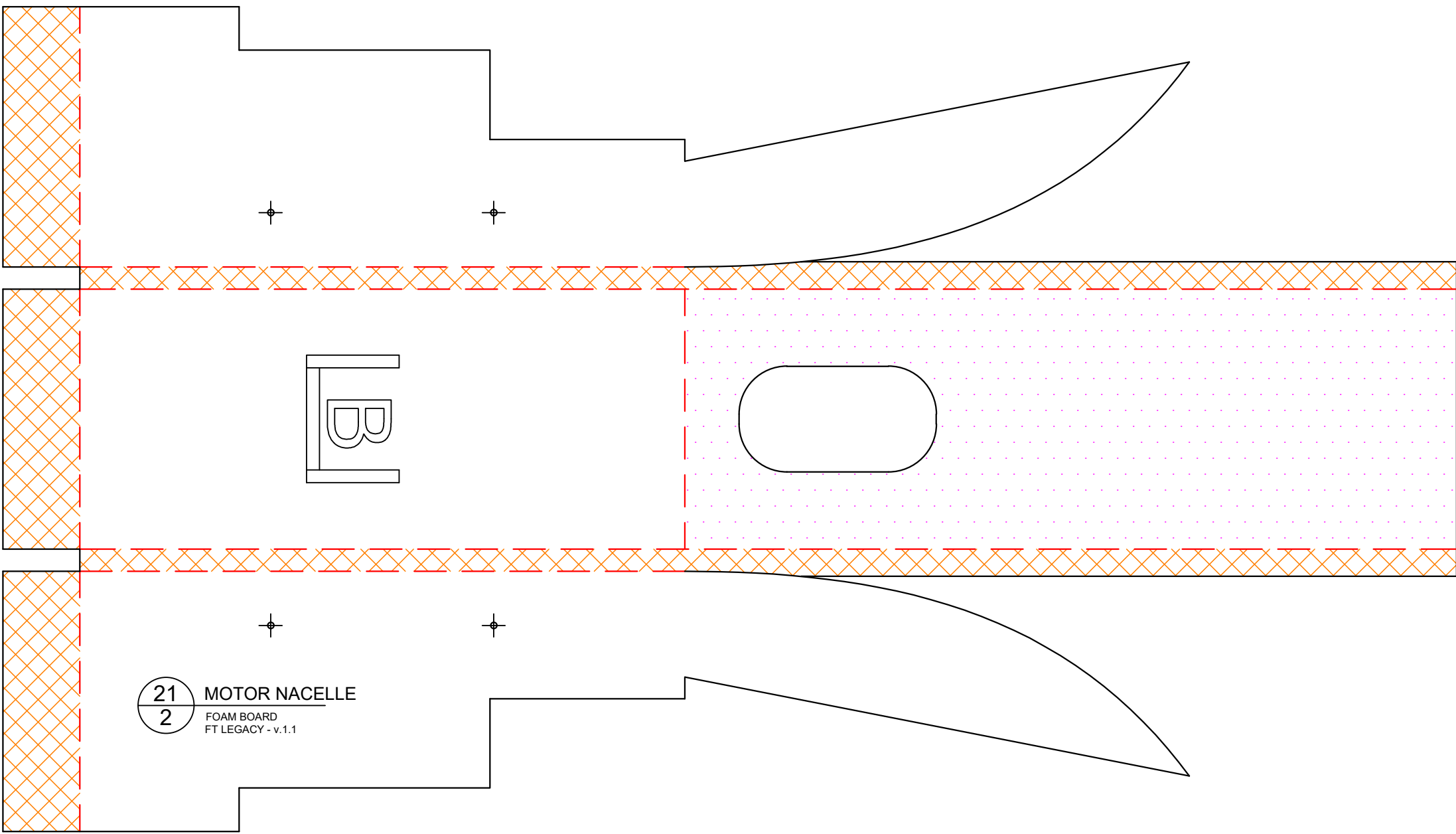
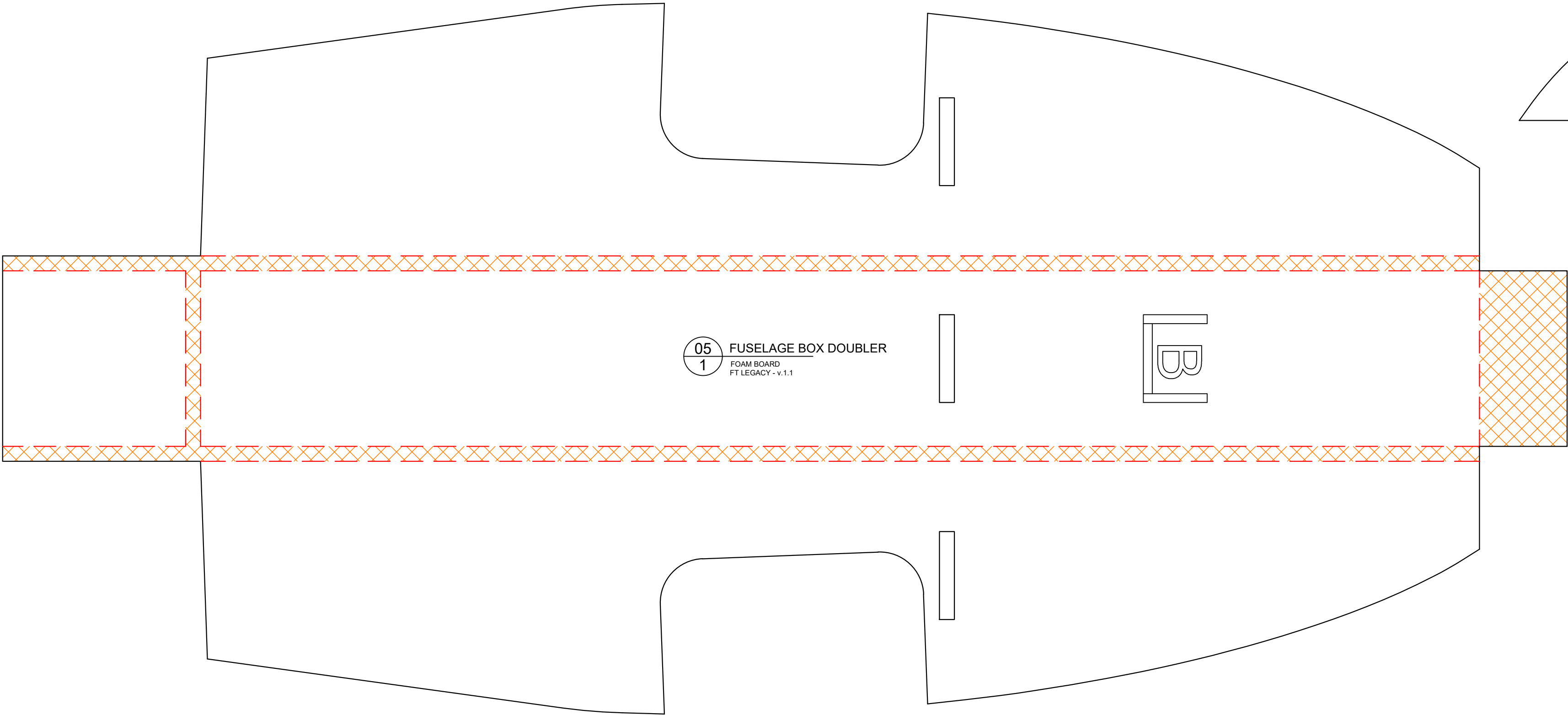
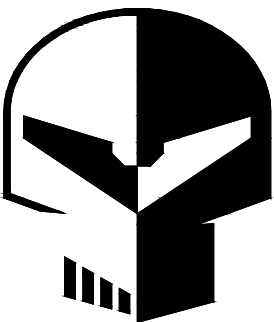
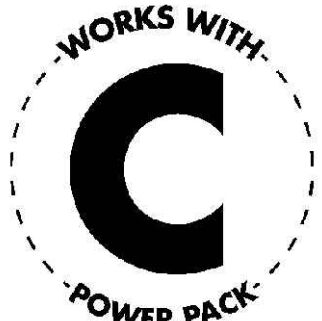
Template Version 5.0.2



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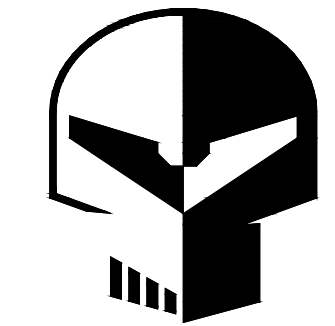
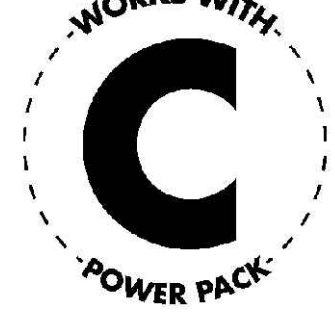




FT Legacy



Designed By: Josh Bixler  
Drawing By: Dan Sponholz  
Version: 1.1  
Date: 2018.11.20



SPONZ



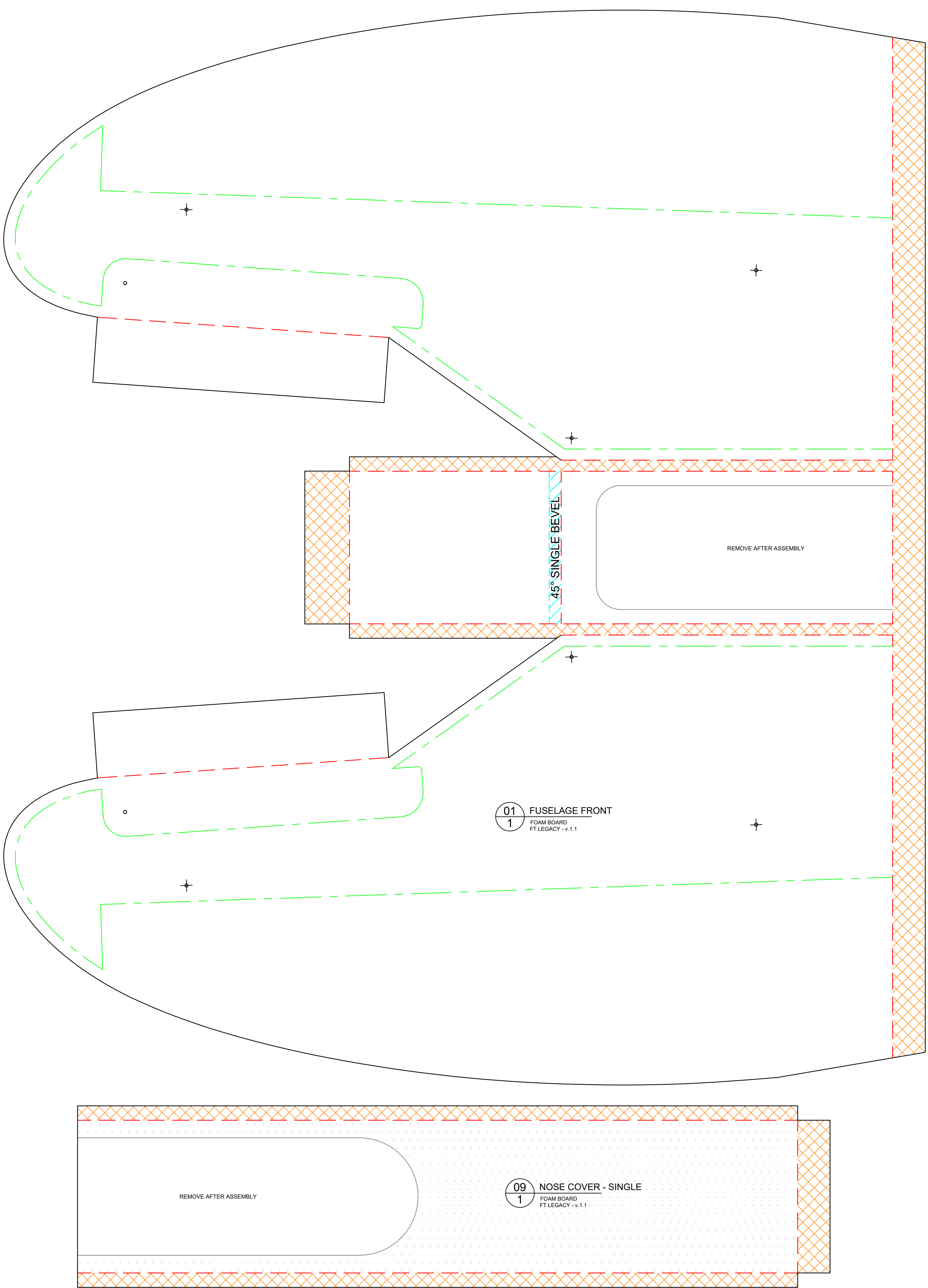
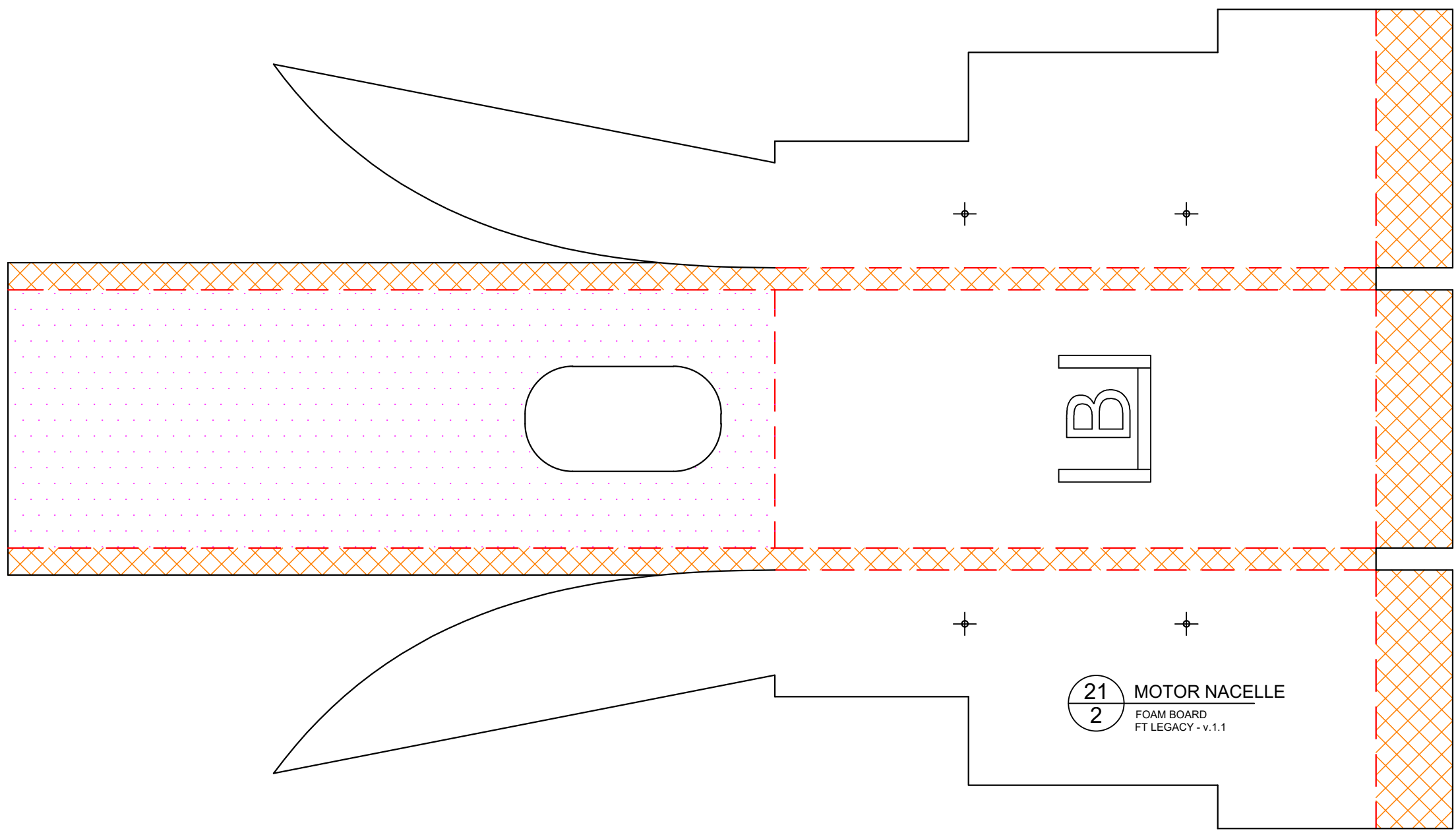
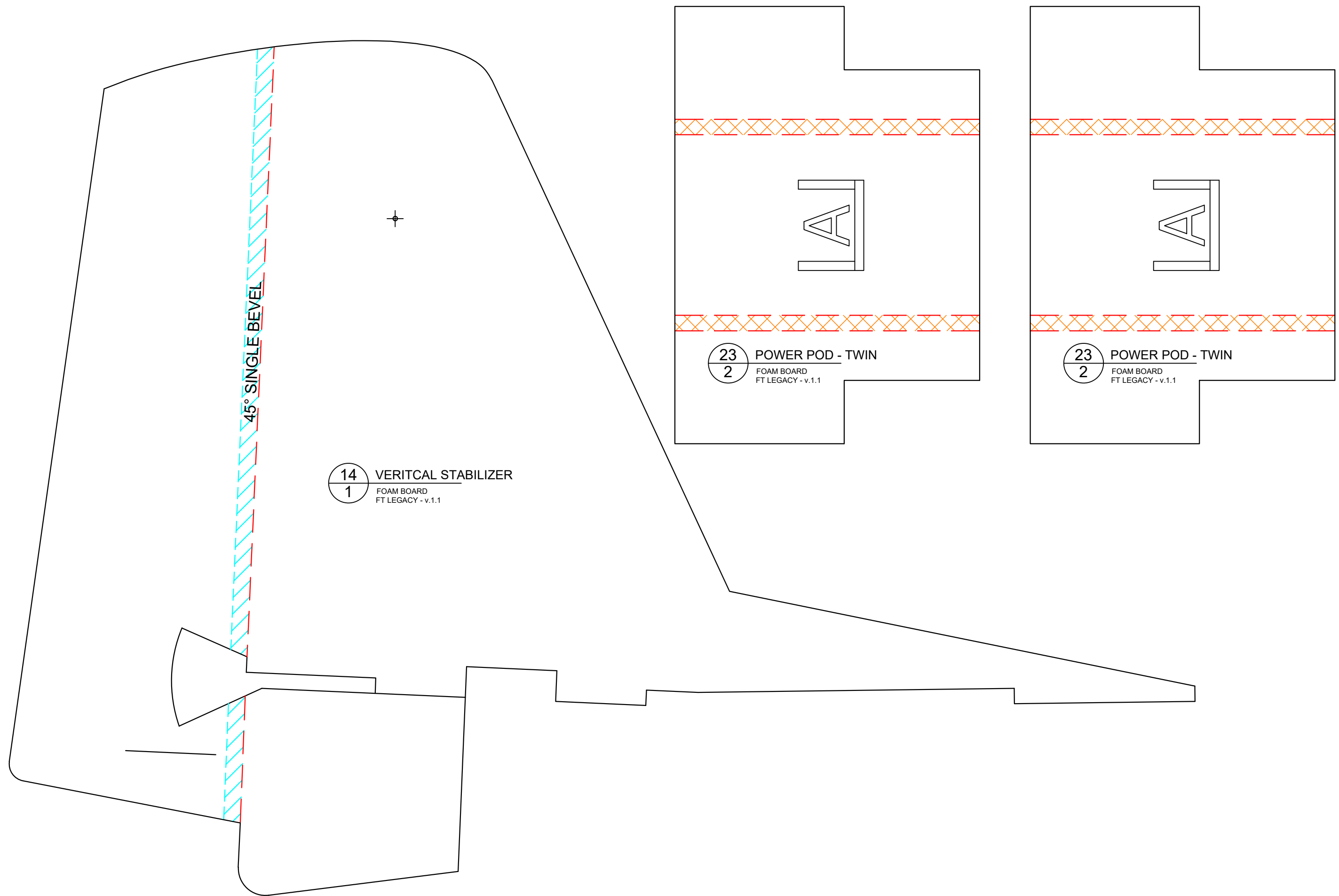
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IN 1  
CM 1

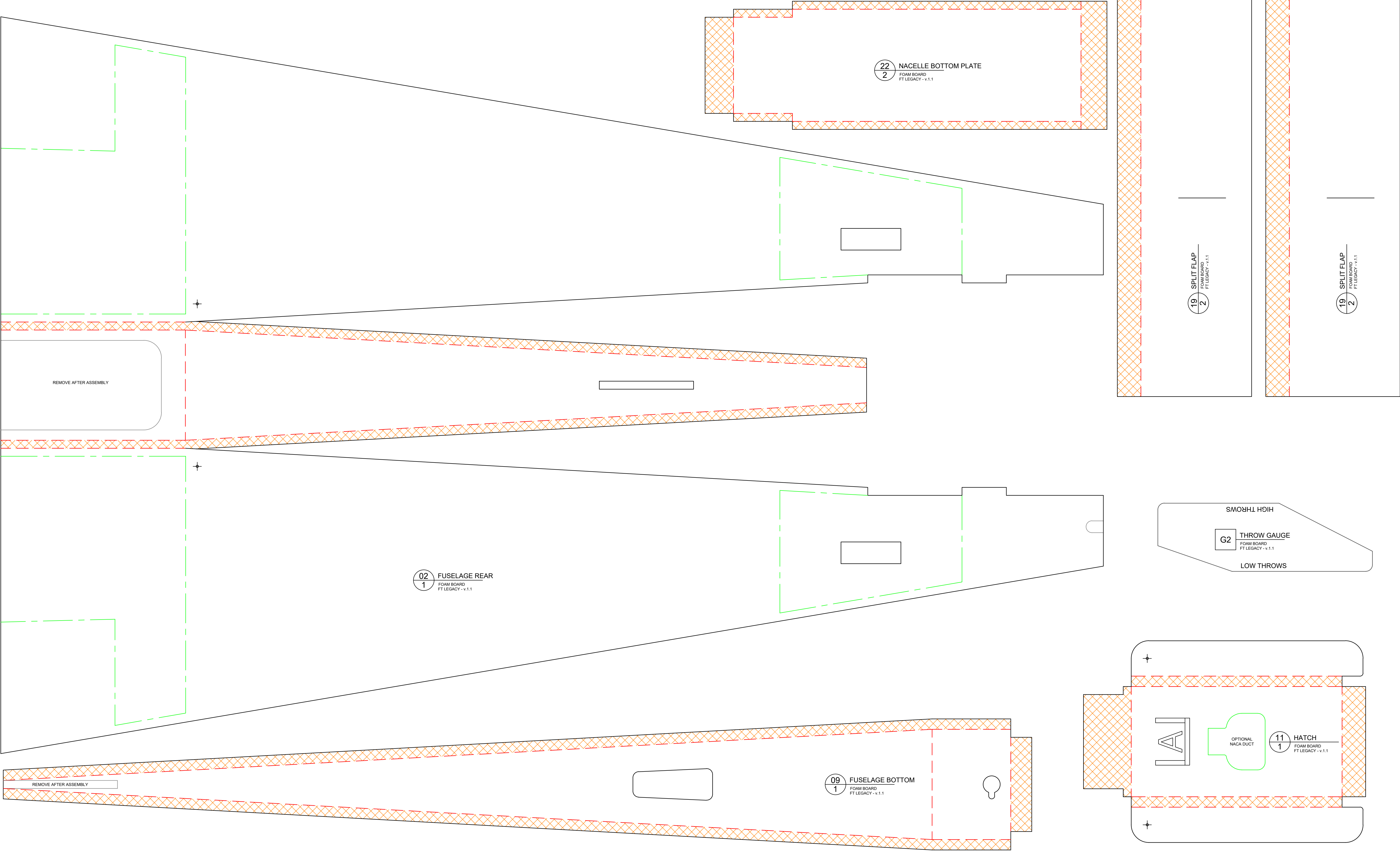
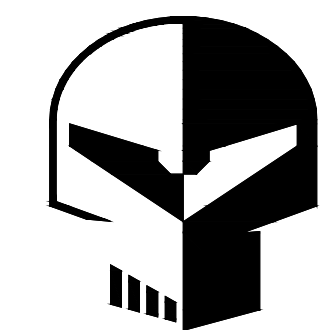
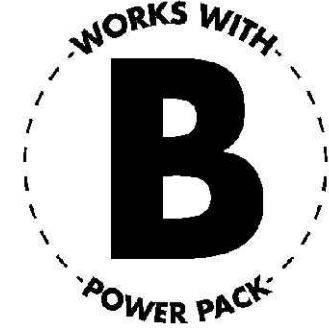
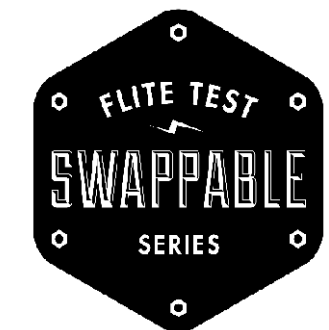
SHEET 5 OF 6

Template Version 5.0.2

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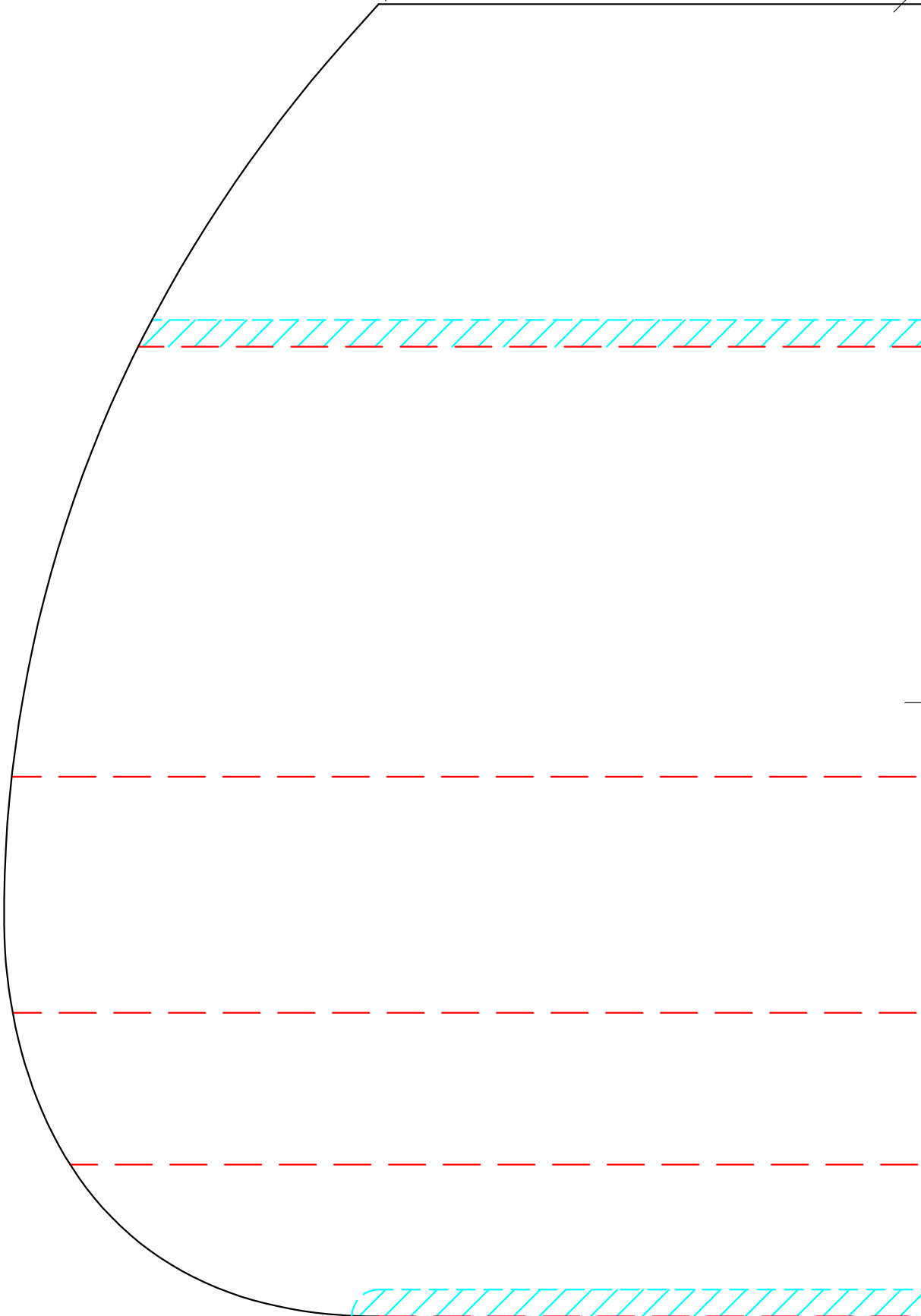








IN  
CM





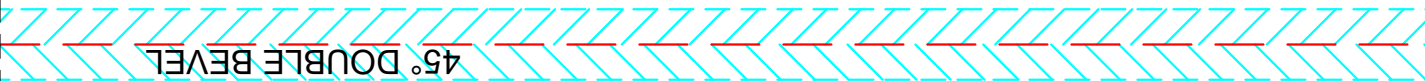
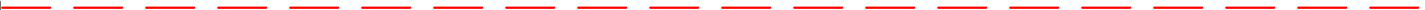
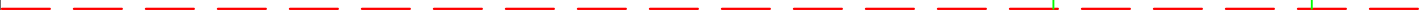
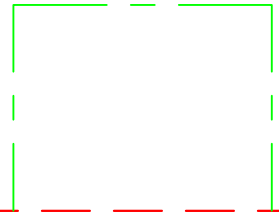
IN  
CM



45° SINGLE BEVEL



IN  
CM

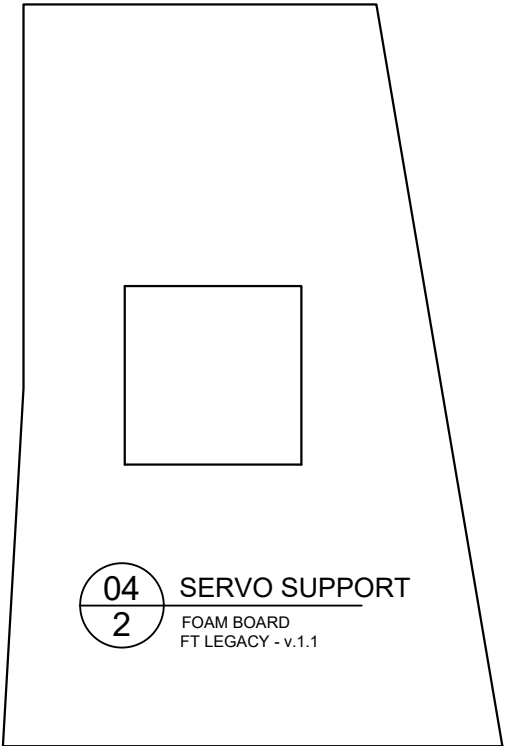


45° DOUBLE BEVEL

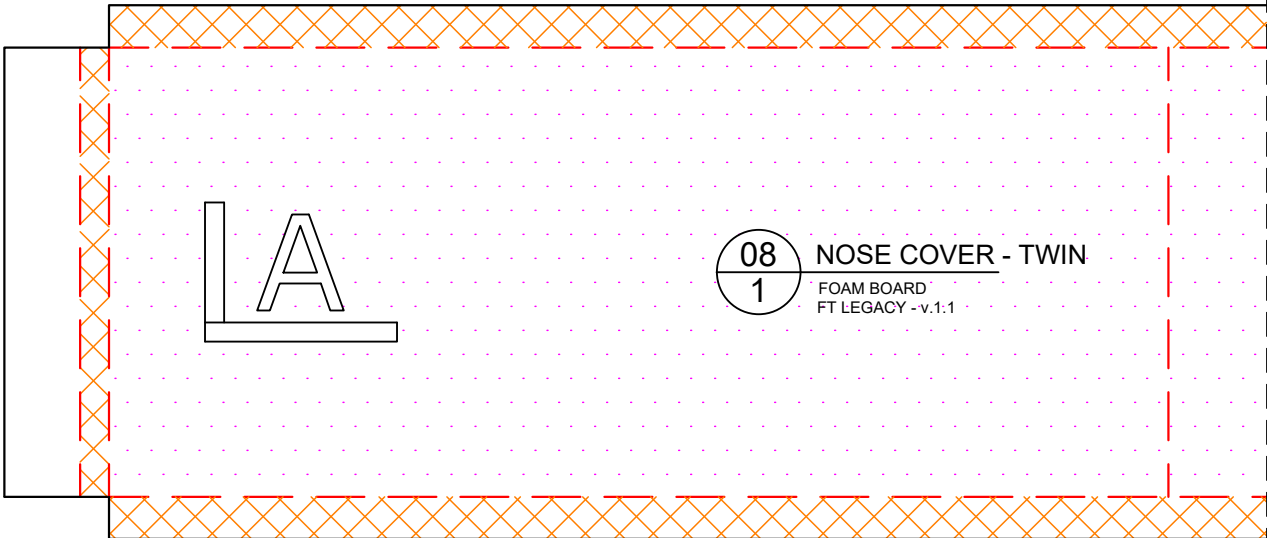
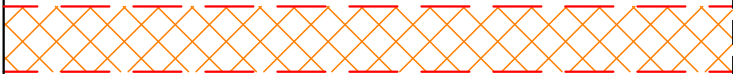


IN  
CM



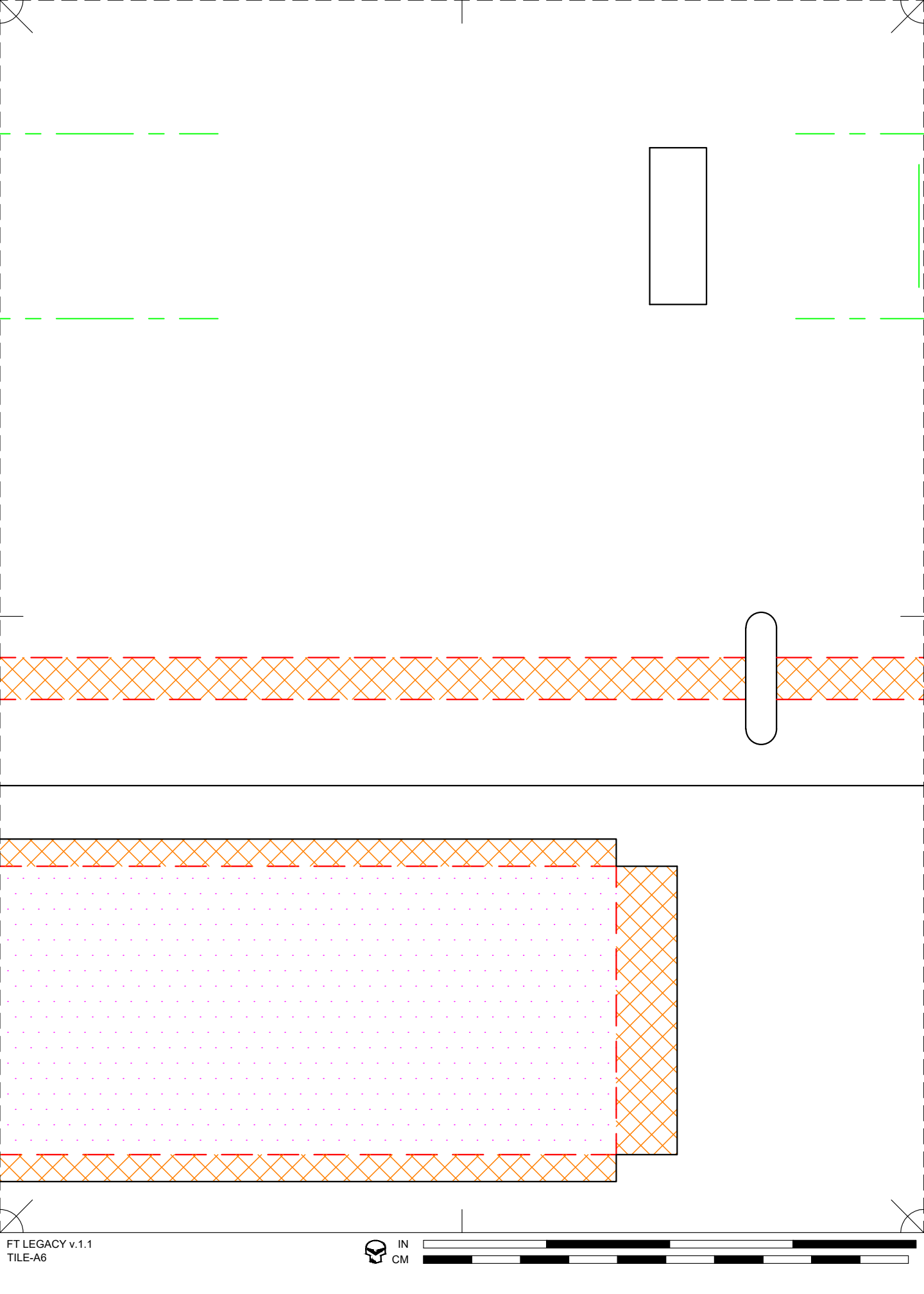


**04**  
**2** **SERVO SUPPORT**  
FOAM BOARD  
FT LEGACY - v.1.1



**08**  
**1** **NOSE COVER - TWIN**  
FOAM BOARD  
FT LEGACY - v.1.1

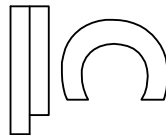






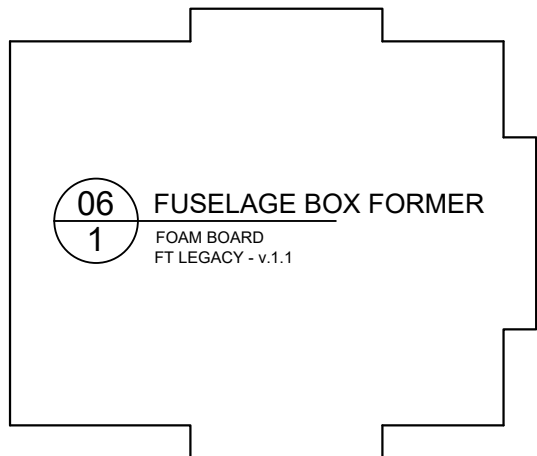
LEFT WING

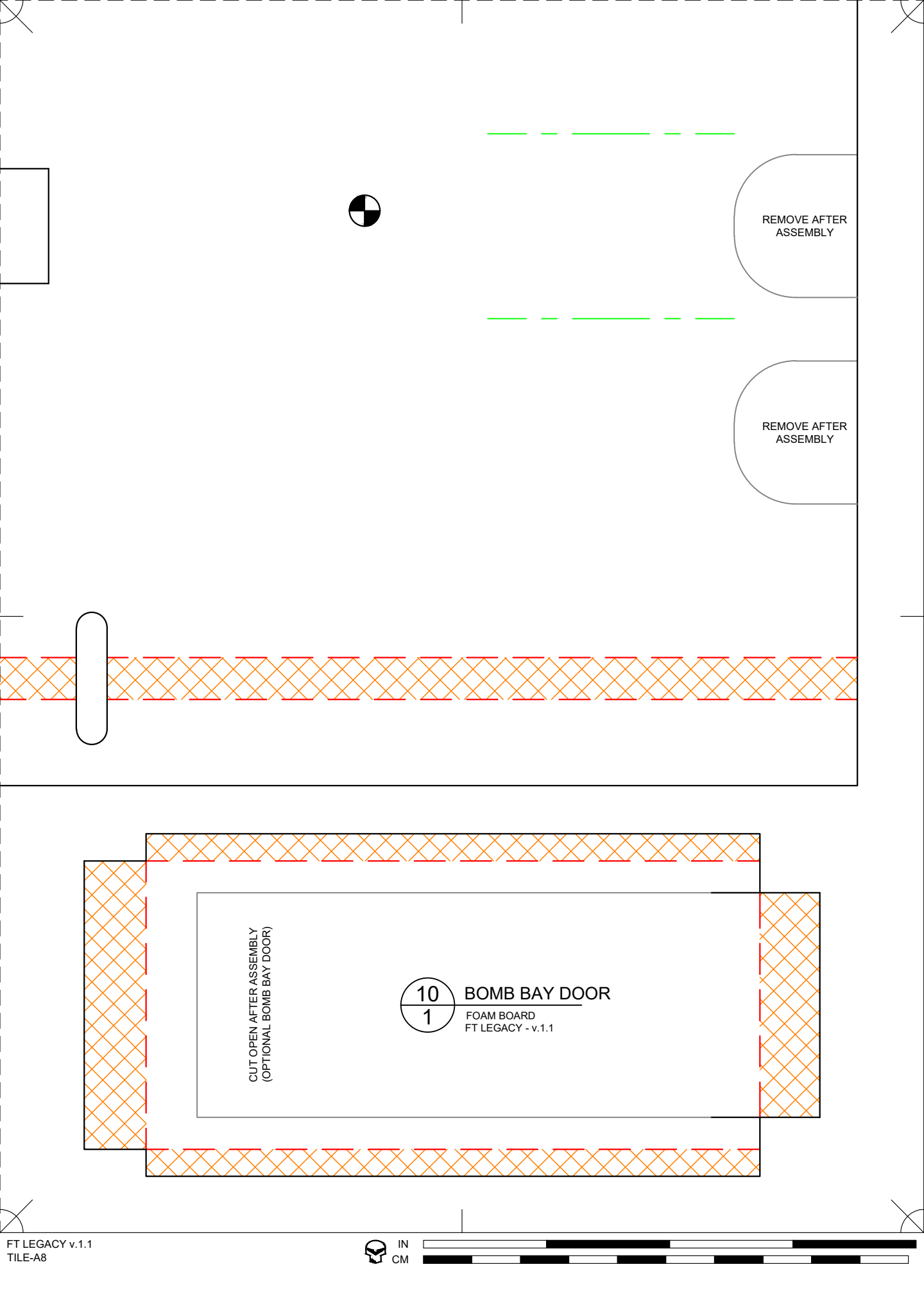
FOAM BOARD  
FT LEGACY - v.1.1



FUSELAGE BOX FORMER

FOAM BOARD  
FT LEGACY - v.1.1





REMOVE AFTER  
ASSEMBLY

REMOVE AFTER  
ASSEMBLY

10  
1 BOMB BAY DOOR  
FOAM BOARD  
FT LEGACY - v.1.1

CUT OPEN AFTER ASSEMBLY  
(OPTIONAL BOMB BAY DOOR)



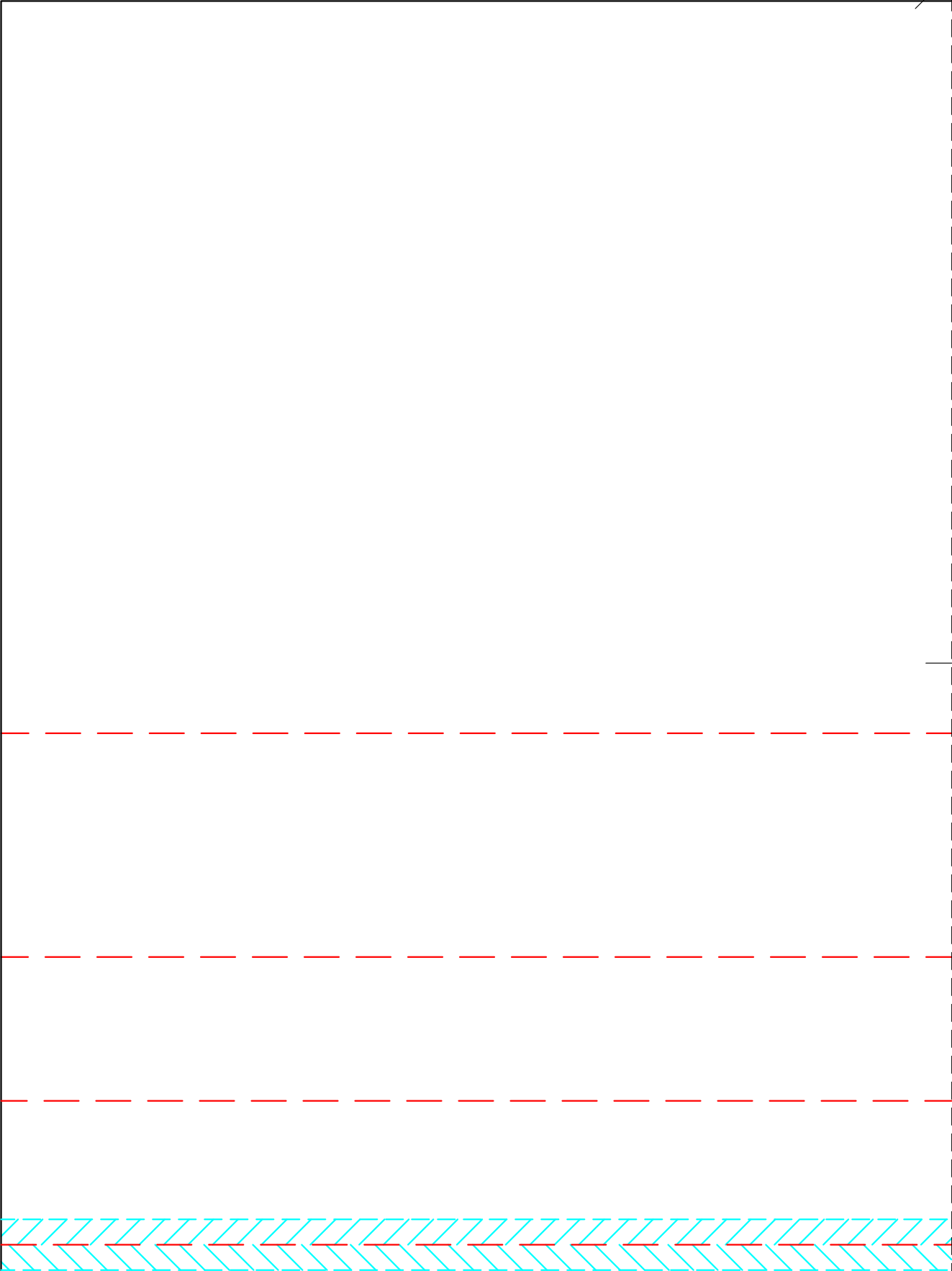
IN  
CM





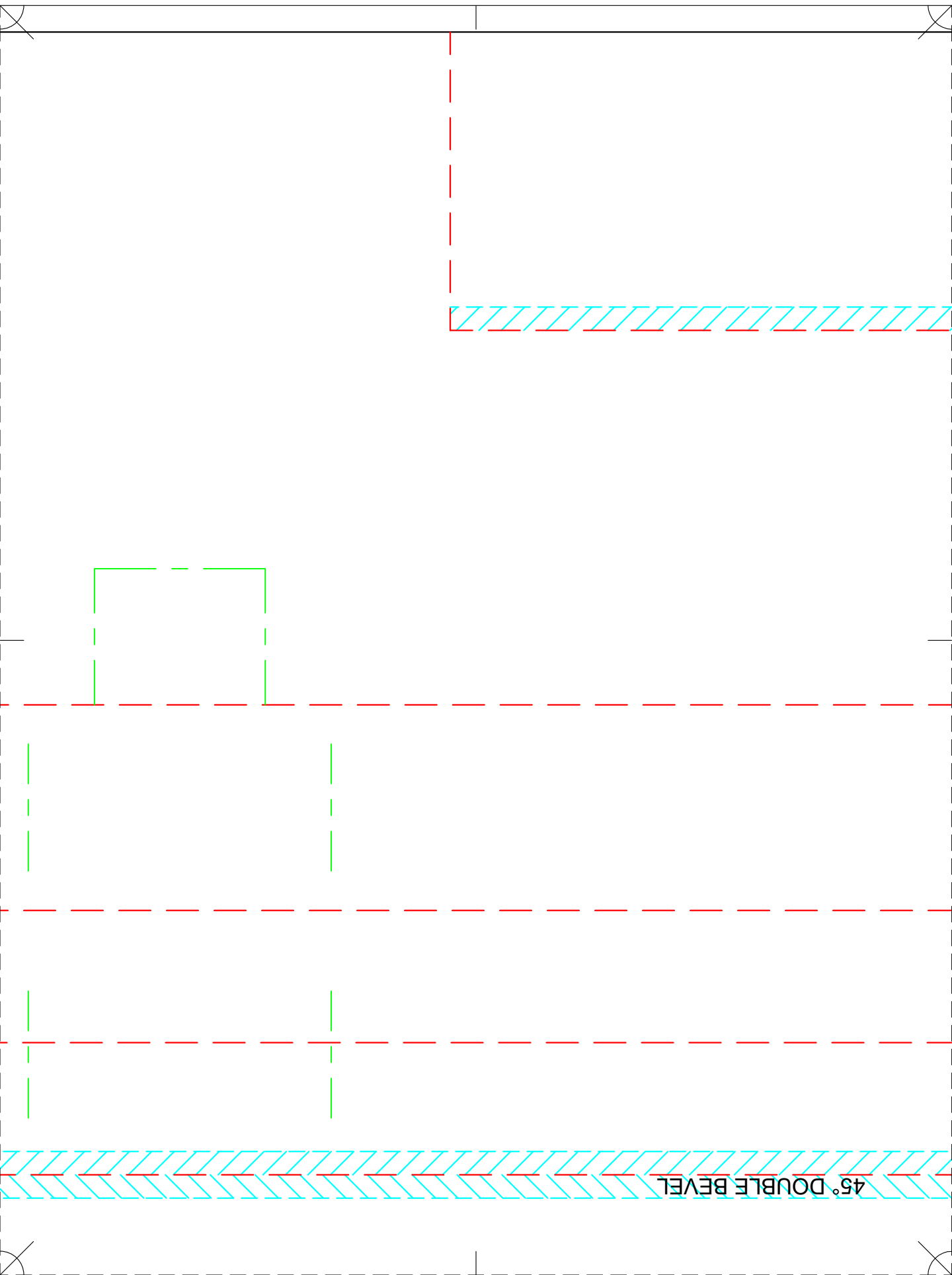


IN  
CM





IN  
CM





IN  
CM

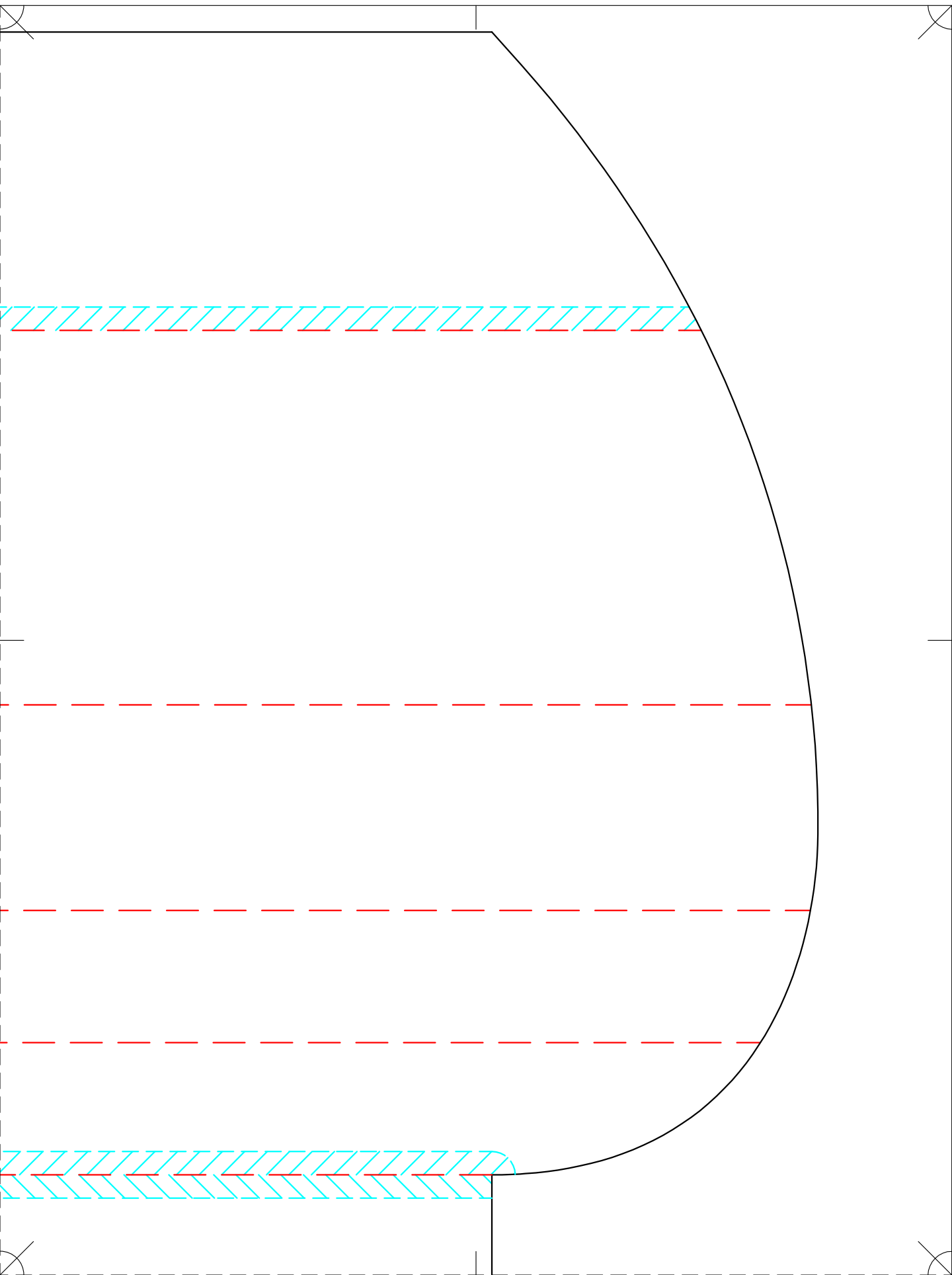


45° SINGLE BEVEL



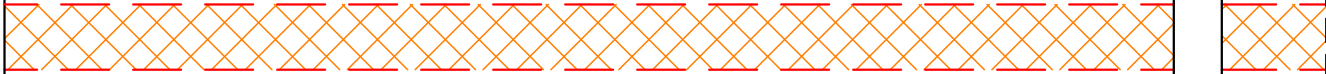


IN  
CM

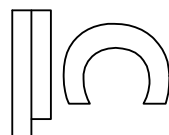


REMOVE AFTER  
ASSEMBLY

REMOVE AFTER  
ASSEMBLY

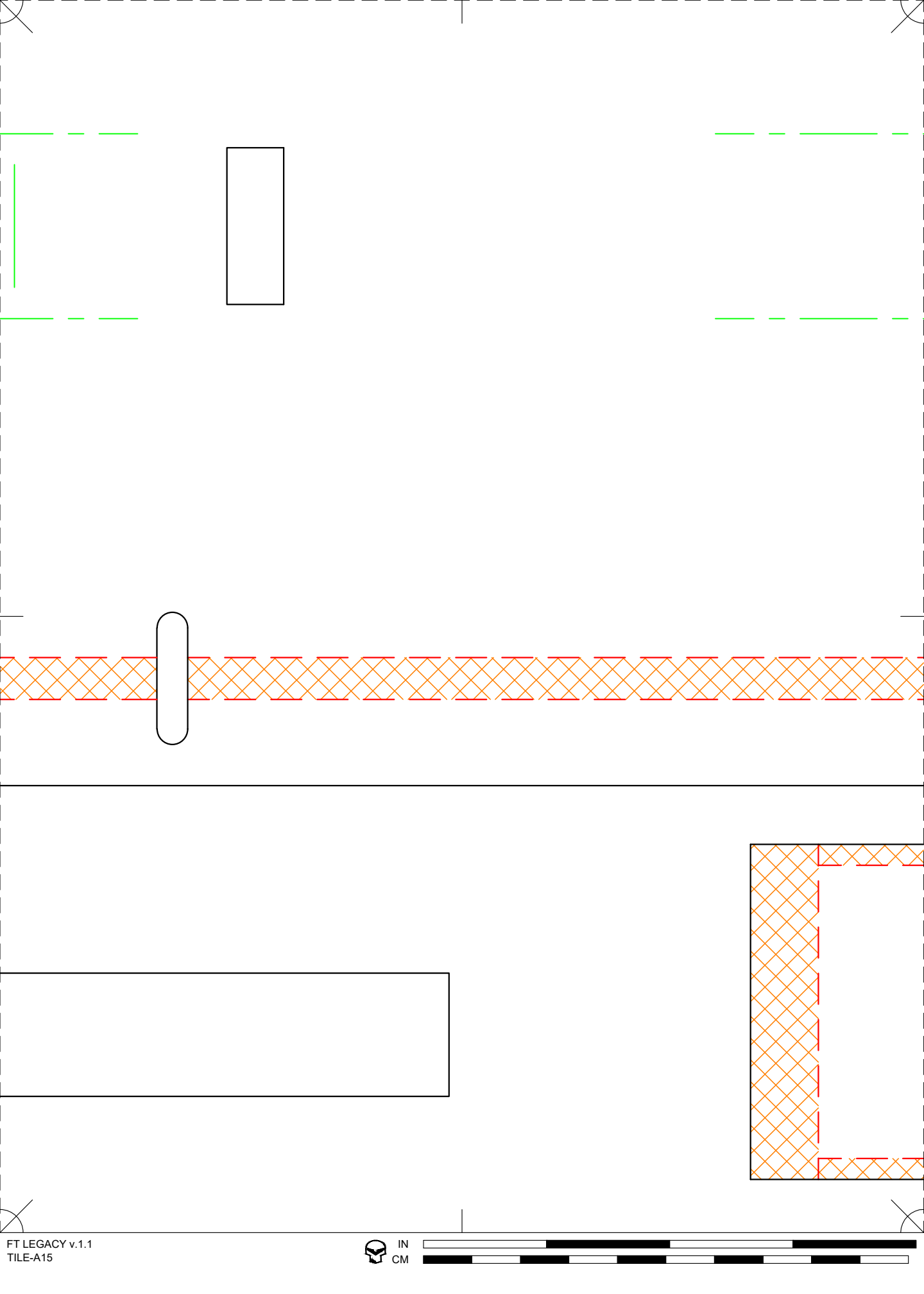


**16**  
**1** **RIGHT WING**  
FOAM BOARD  
FT LEGACY - v.1.1



**13**  
**1** **HORIZONTAL STABILIZER SPAR**  
FOAM BOARD  
FT LEGACY - v.1.1





04  
2

## SERVO SUPPORT

FOAM BOARD  
FT LEGACY - v.1.1



22  
2

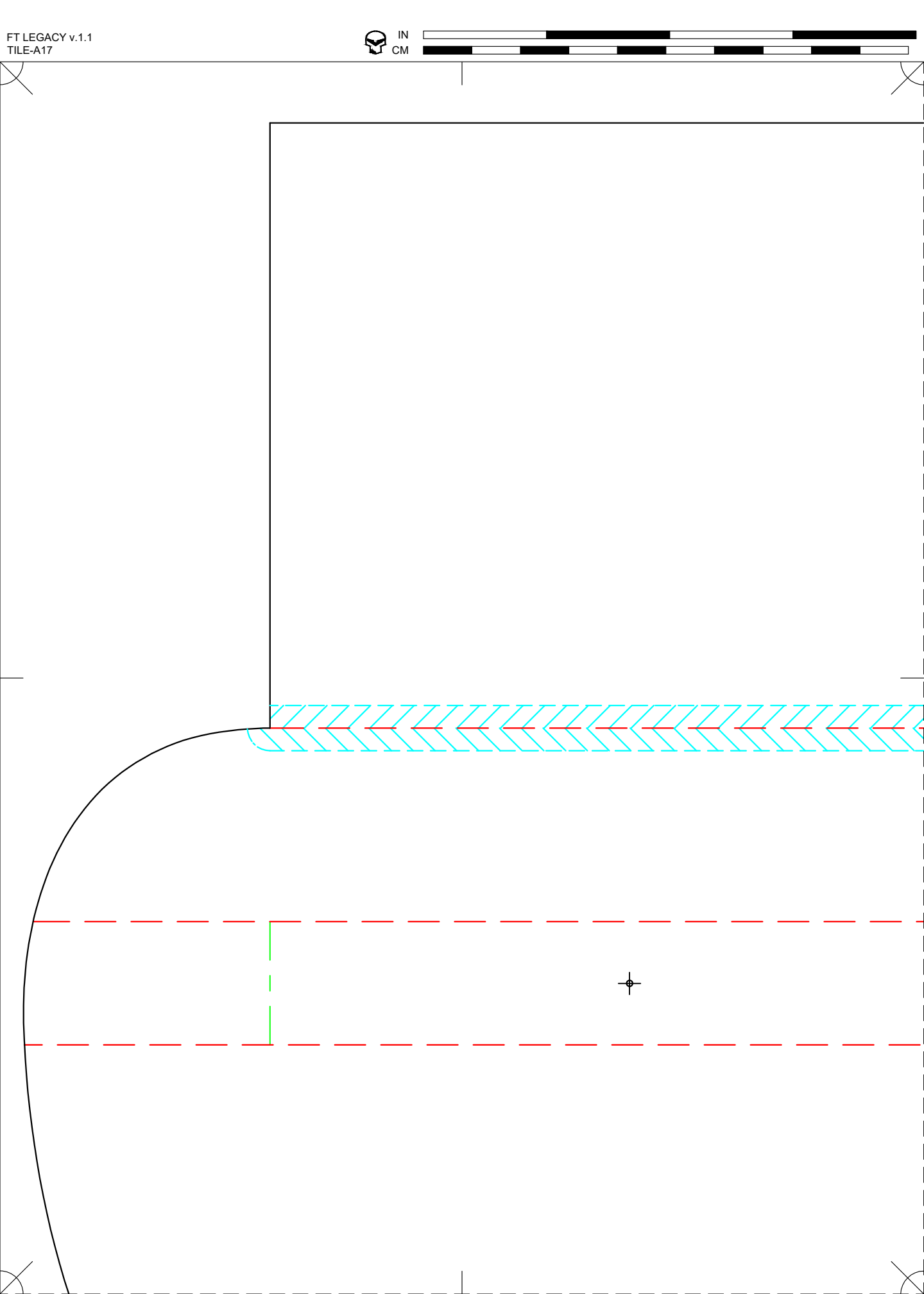
## NACELLE BOTTOM PLATE

FOAM BOARD  
FT LEGACY - v.1.1



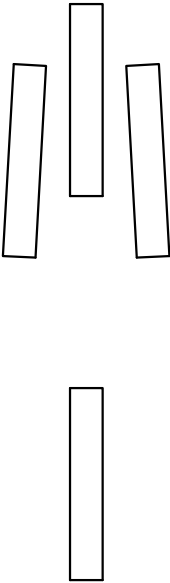


IN  
CM





IN  
CM



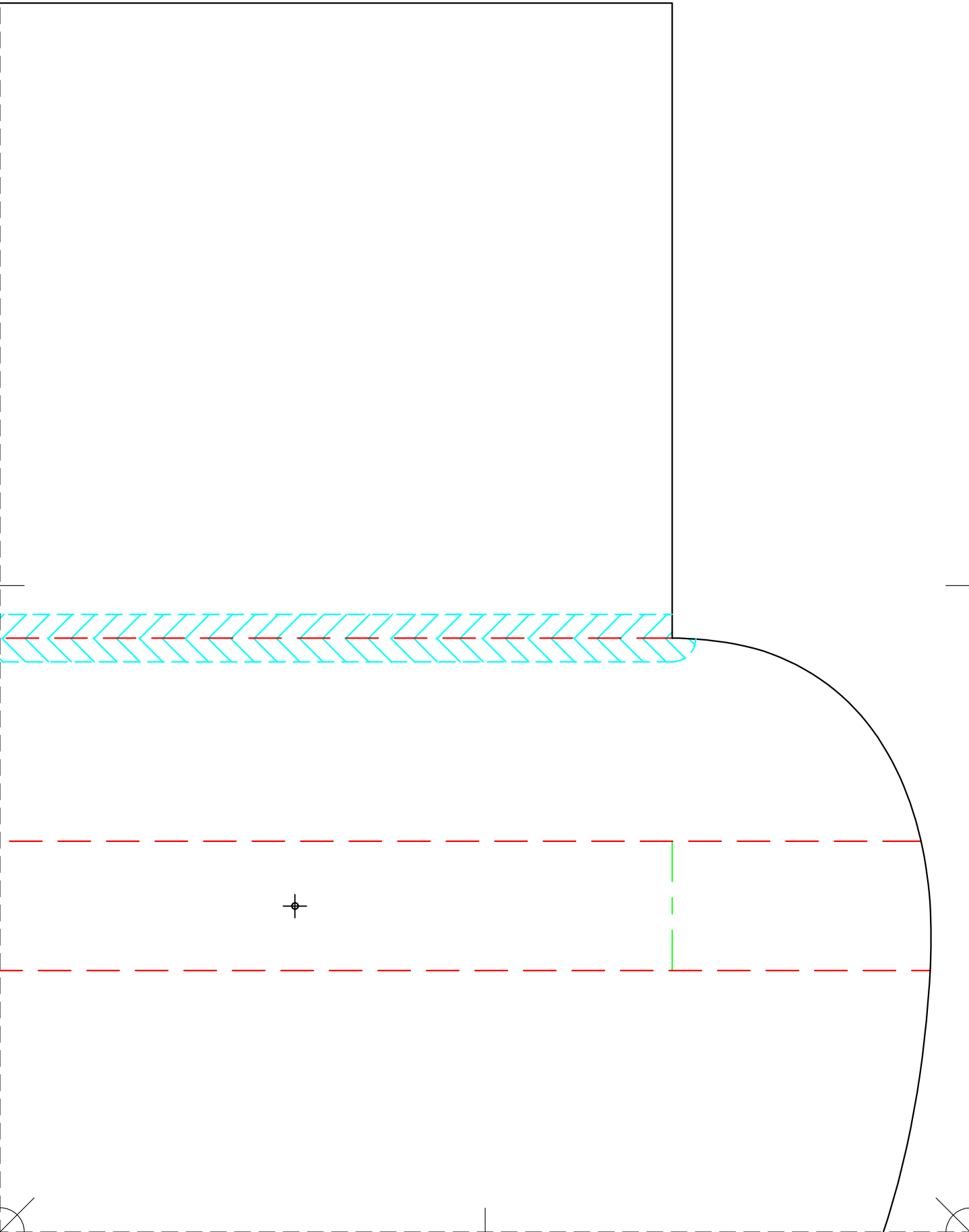
45° DOUBLE BEVEL



**HORIZONTAL STABILIZER**  
FOAM BOARD  
FT LEGACY - v.1.1

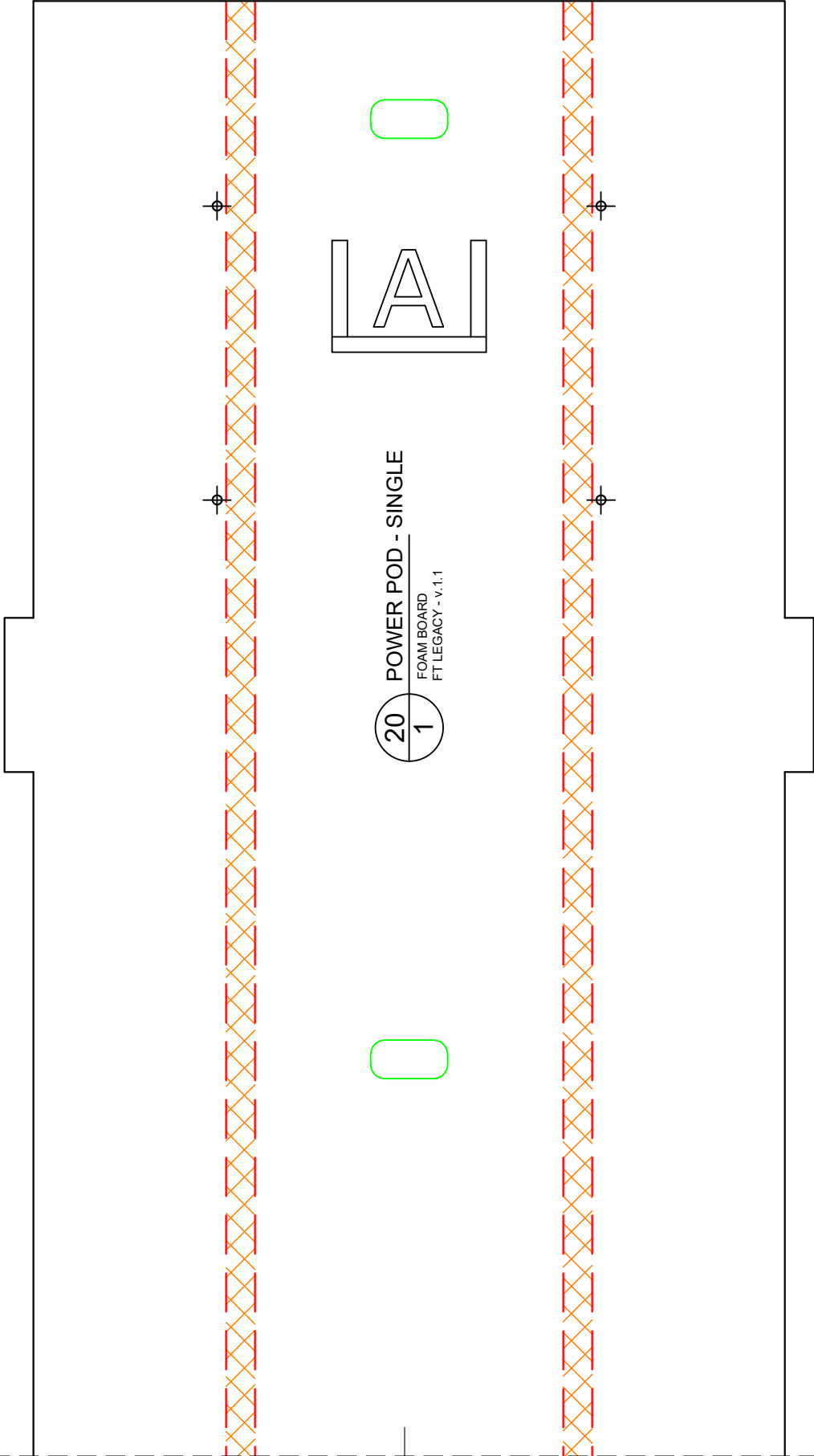


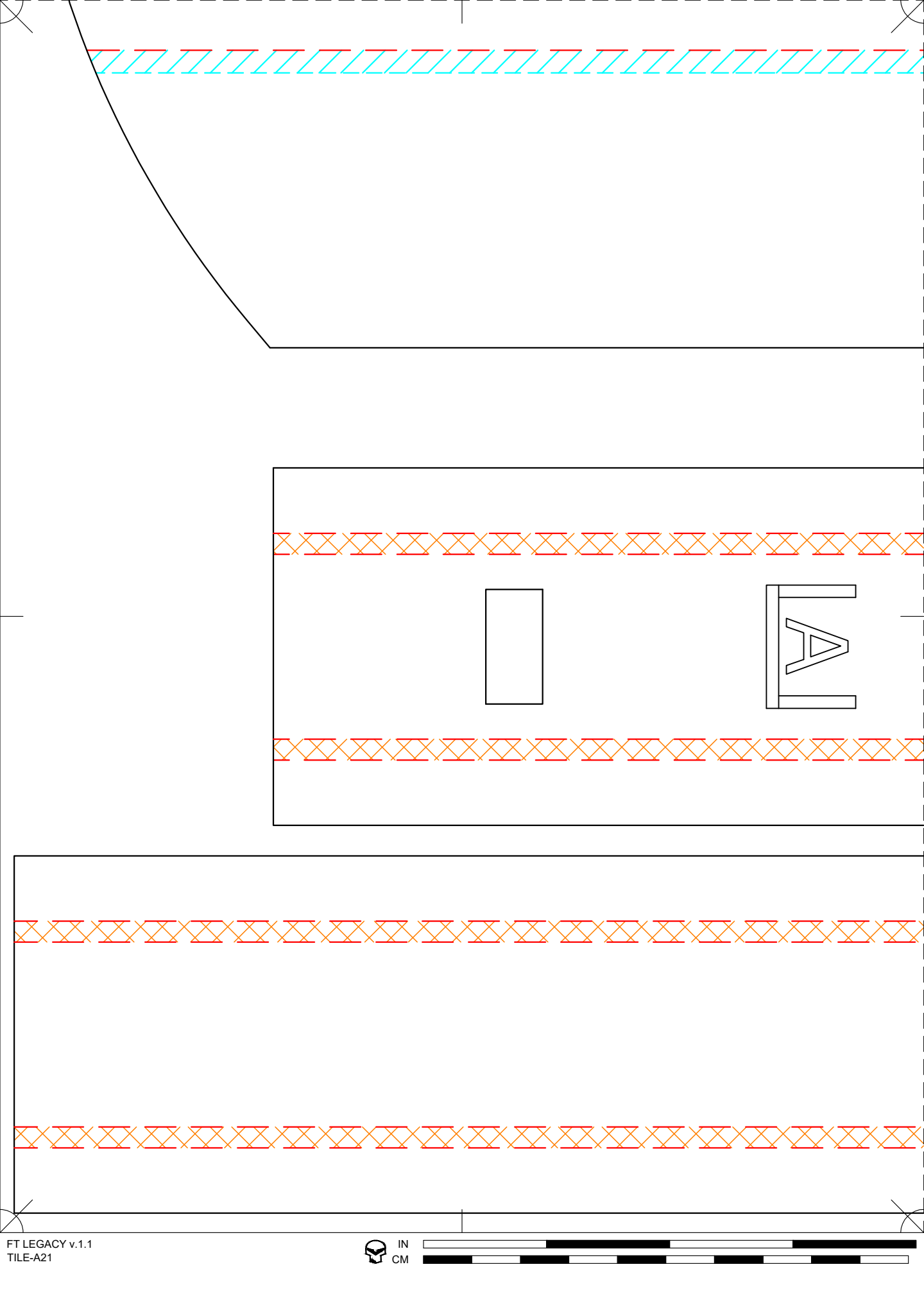
IN  
CM





IN  
CM

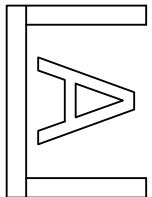


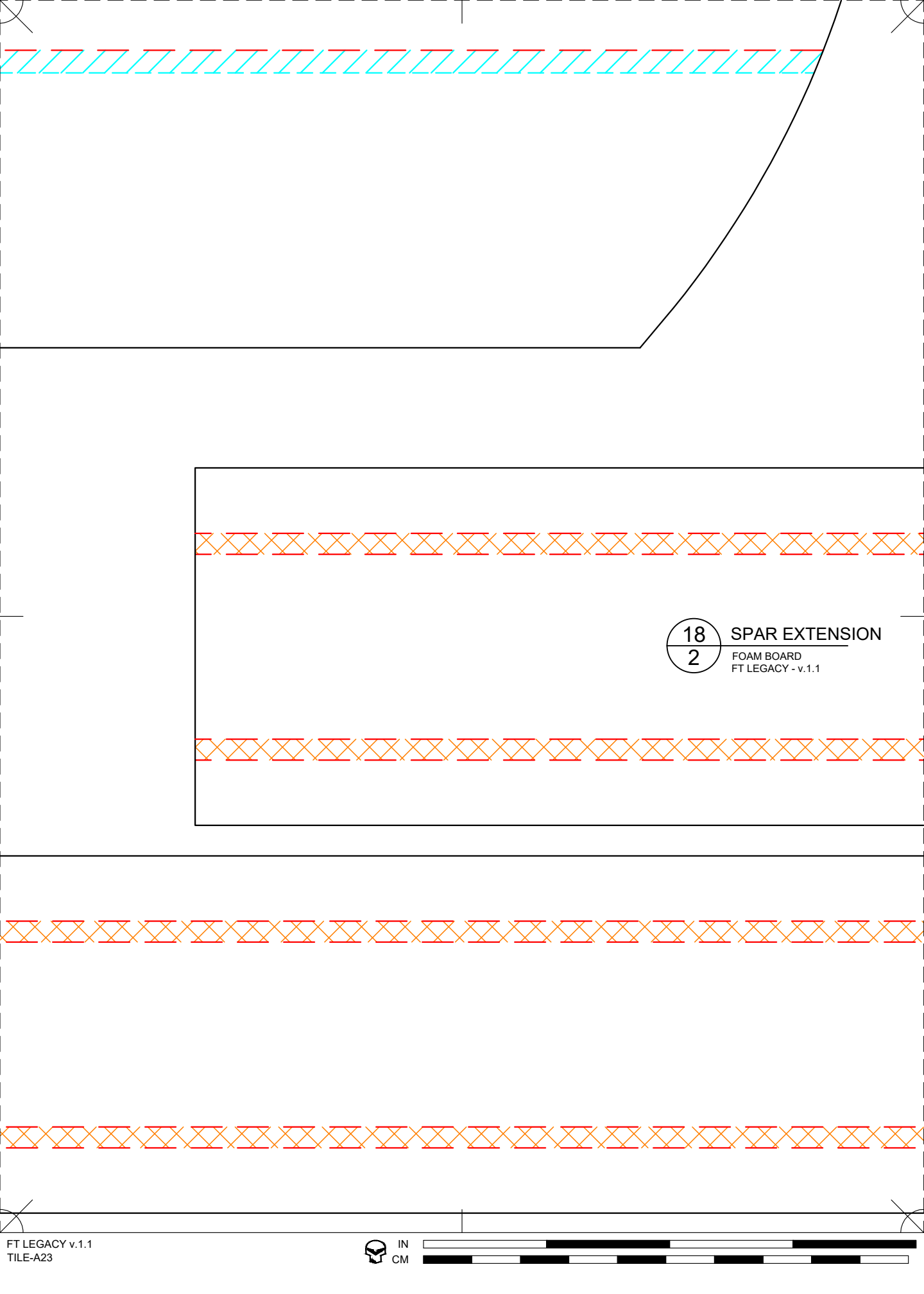


45° SINGLE BEVEL

18  
2 SPAR EXTENSION  
FOAM BOARD  
FT LEGACY - v.1.1

17  
1 MAIN SPAR  
FOAM BOARD  
FT LEGACY - v.1.1

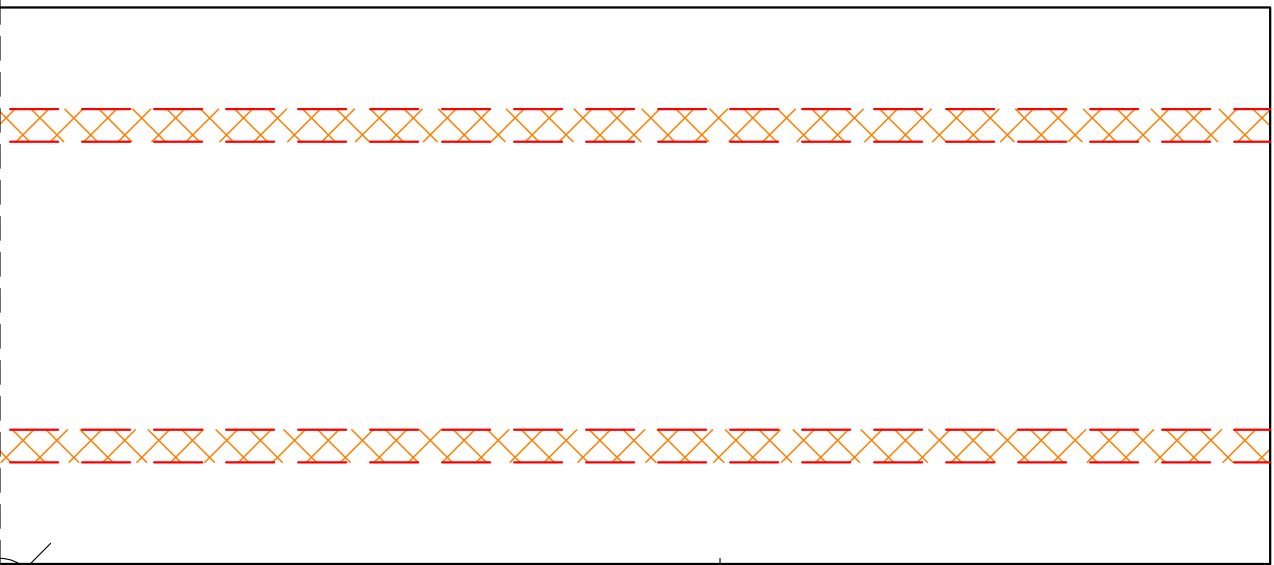
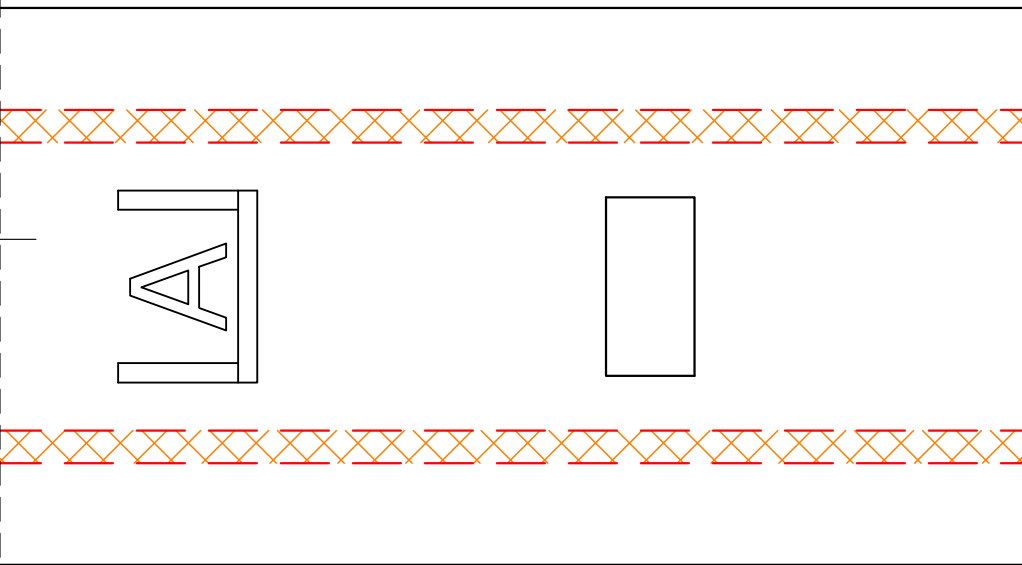
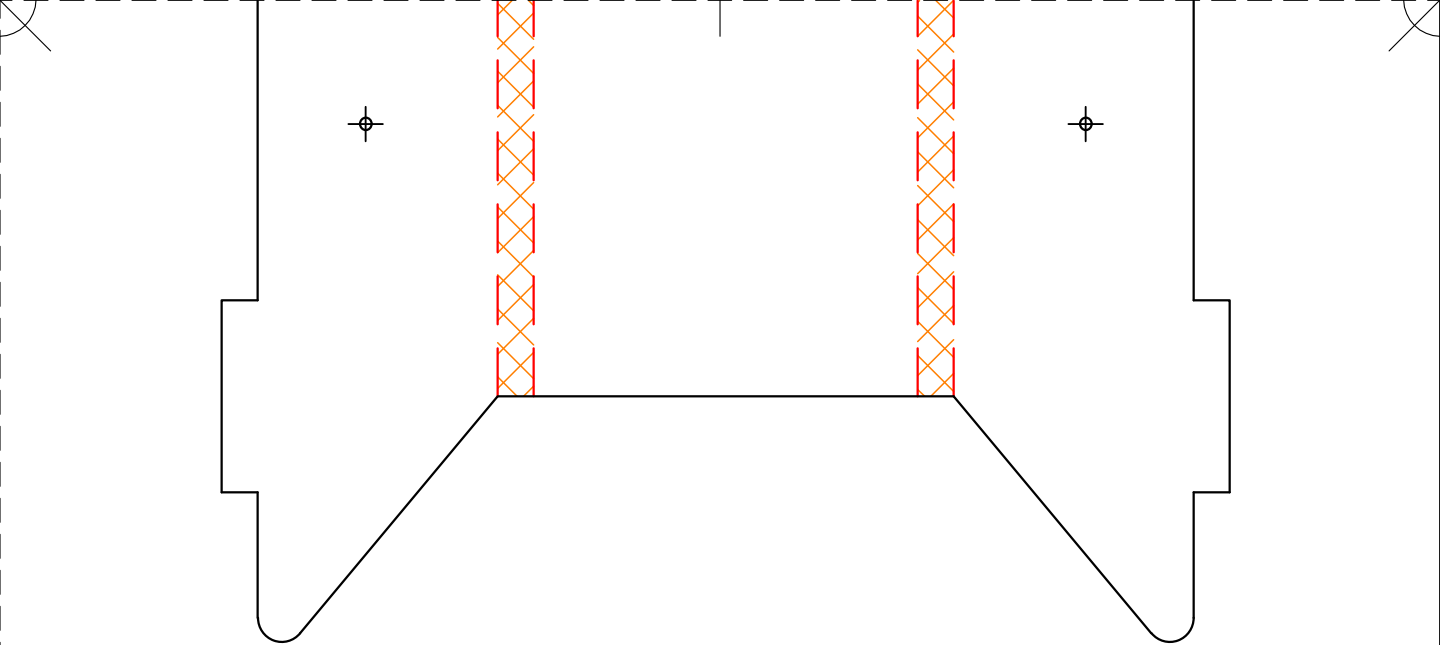




18  
2

SPAR EXTENSION

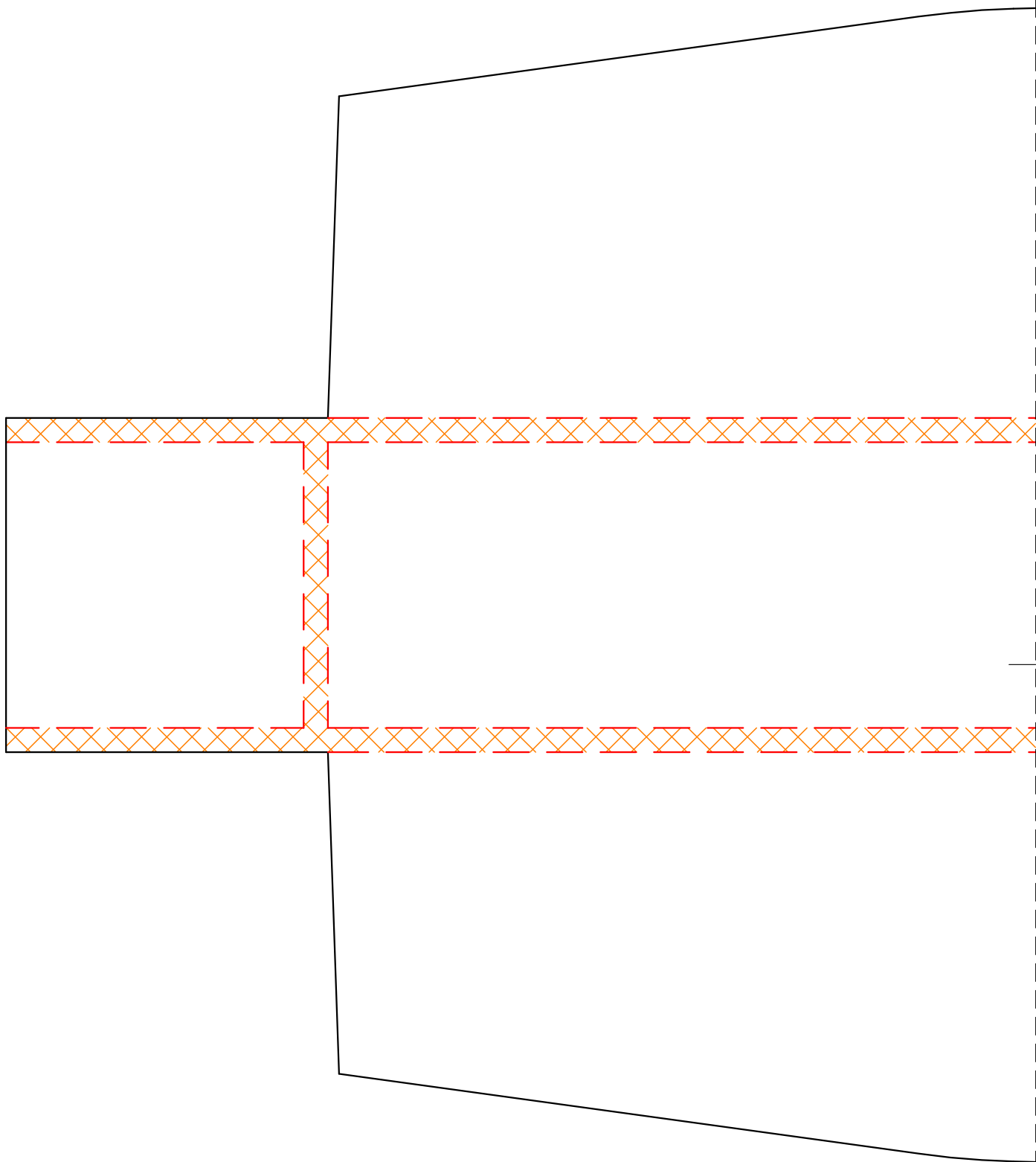
FOAM BOARD  
FT LEGACY - v.1.1

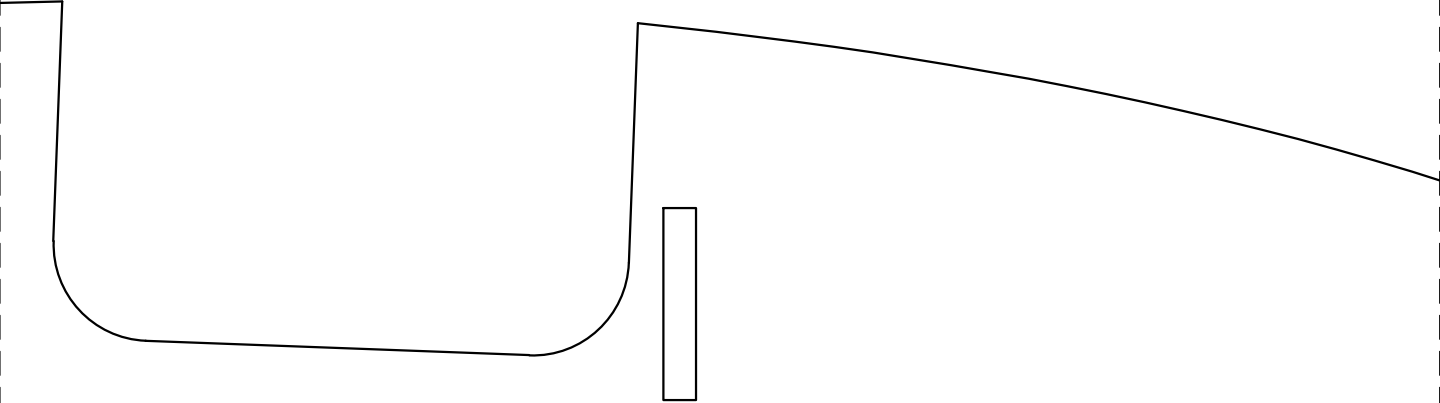






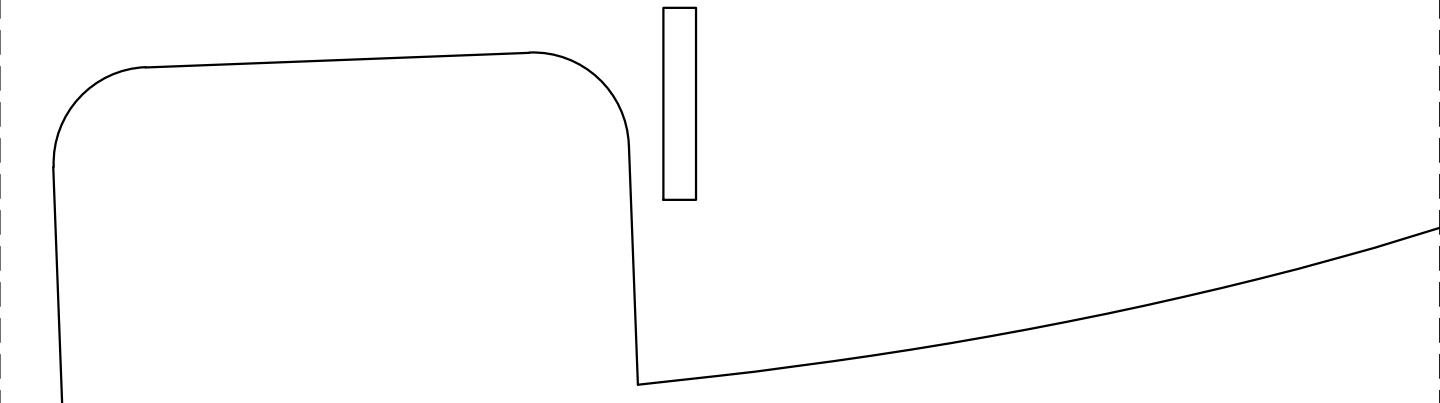
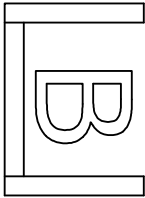
IN  
CM





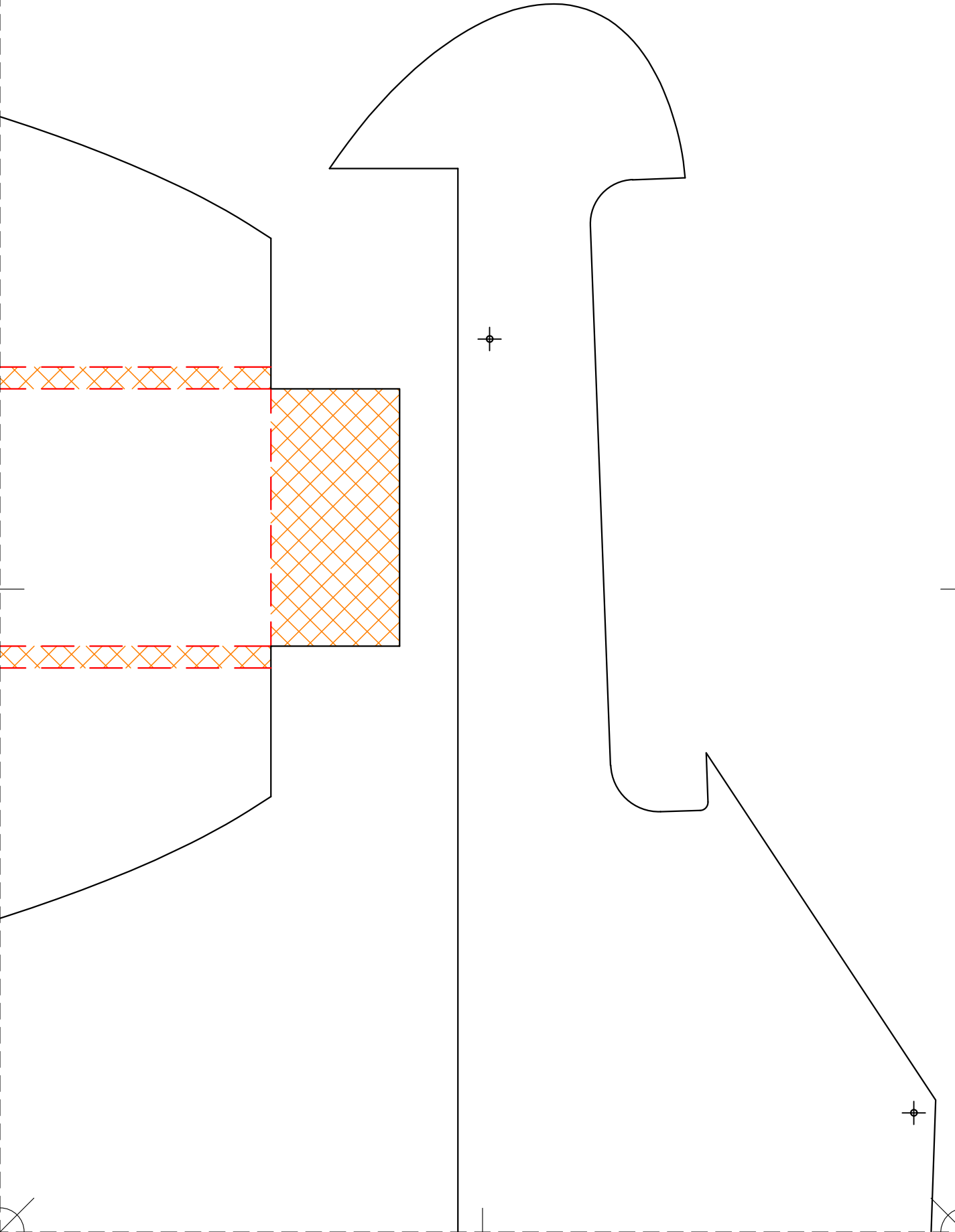
05  
1

FUSELAGE BOX DOUBLER  
FOAM BOARD  
FT LEGACY - v.1.1



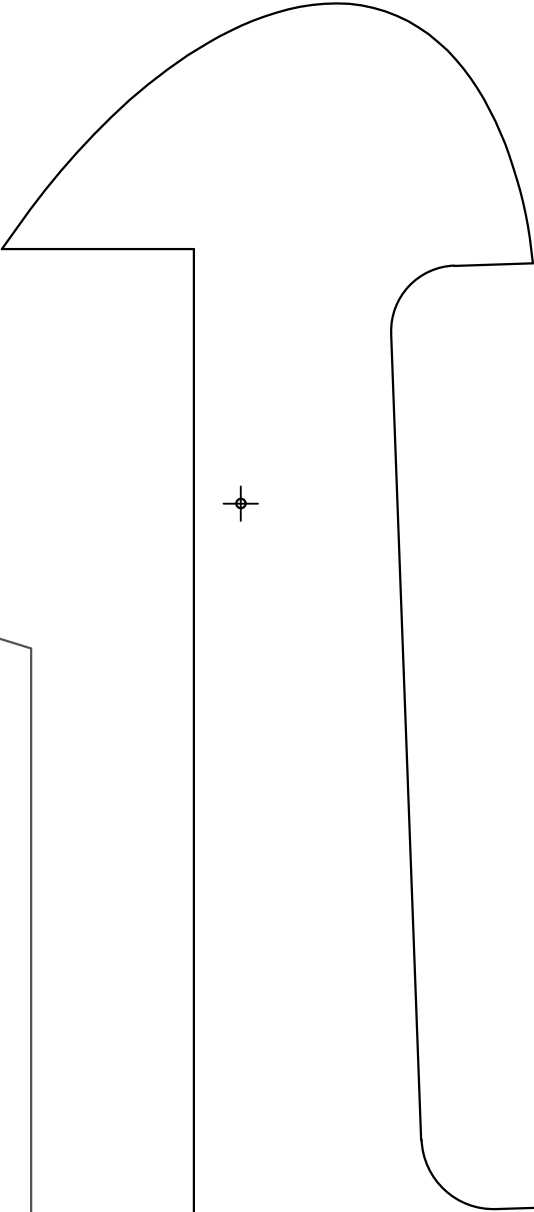
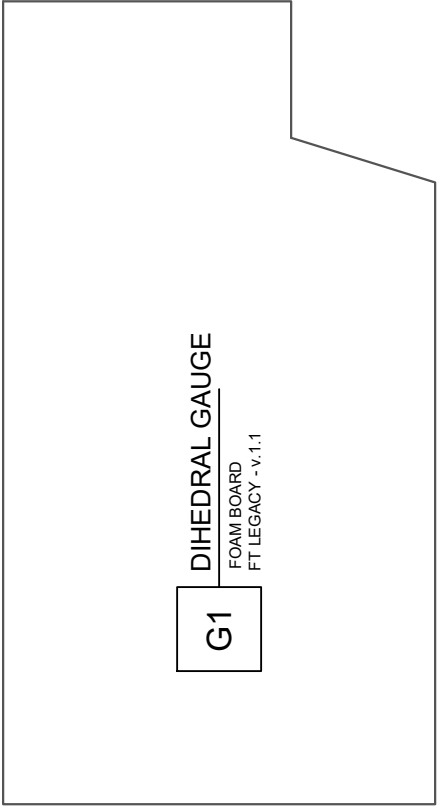


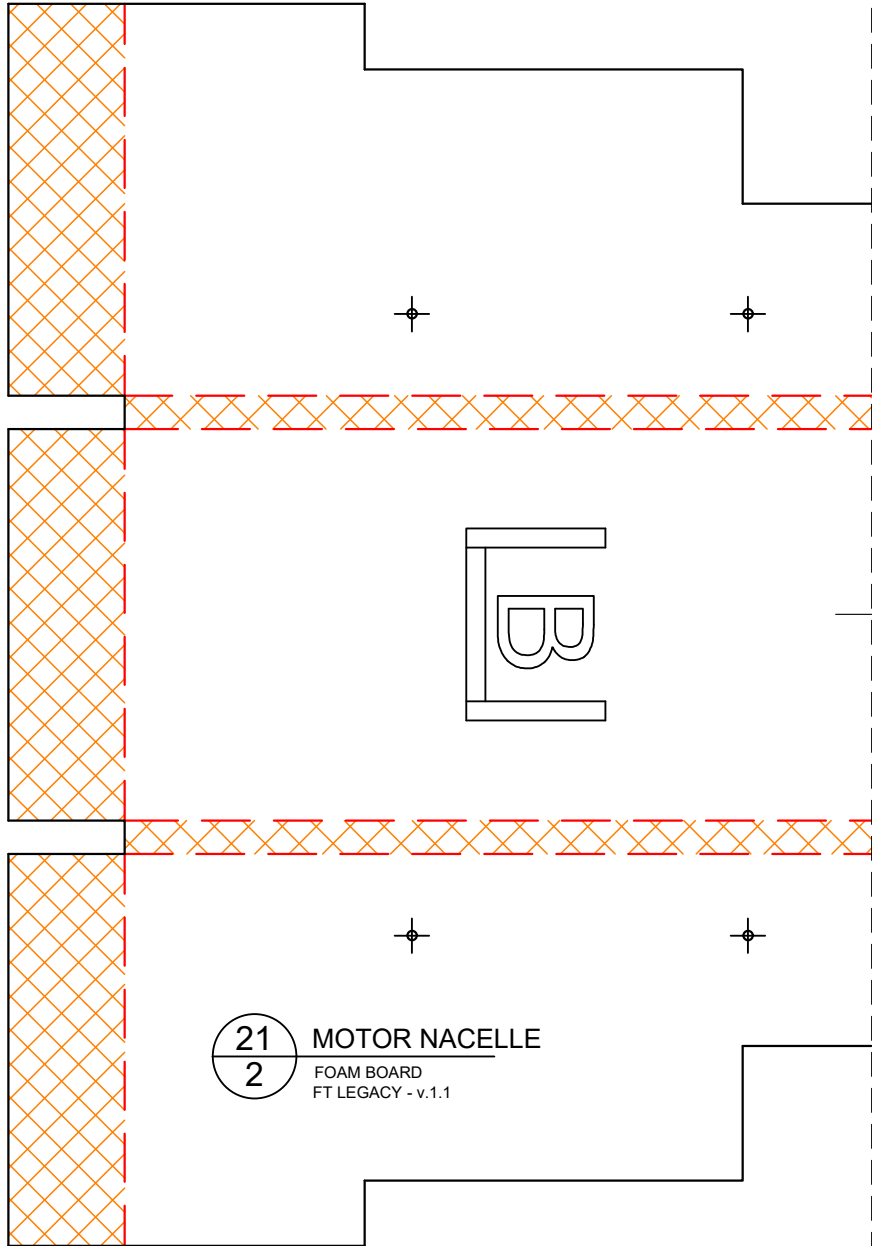
IN  
CM





IN  
CM

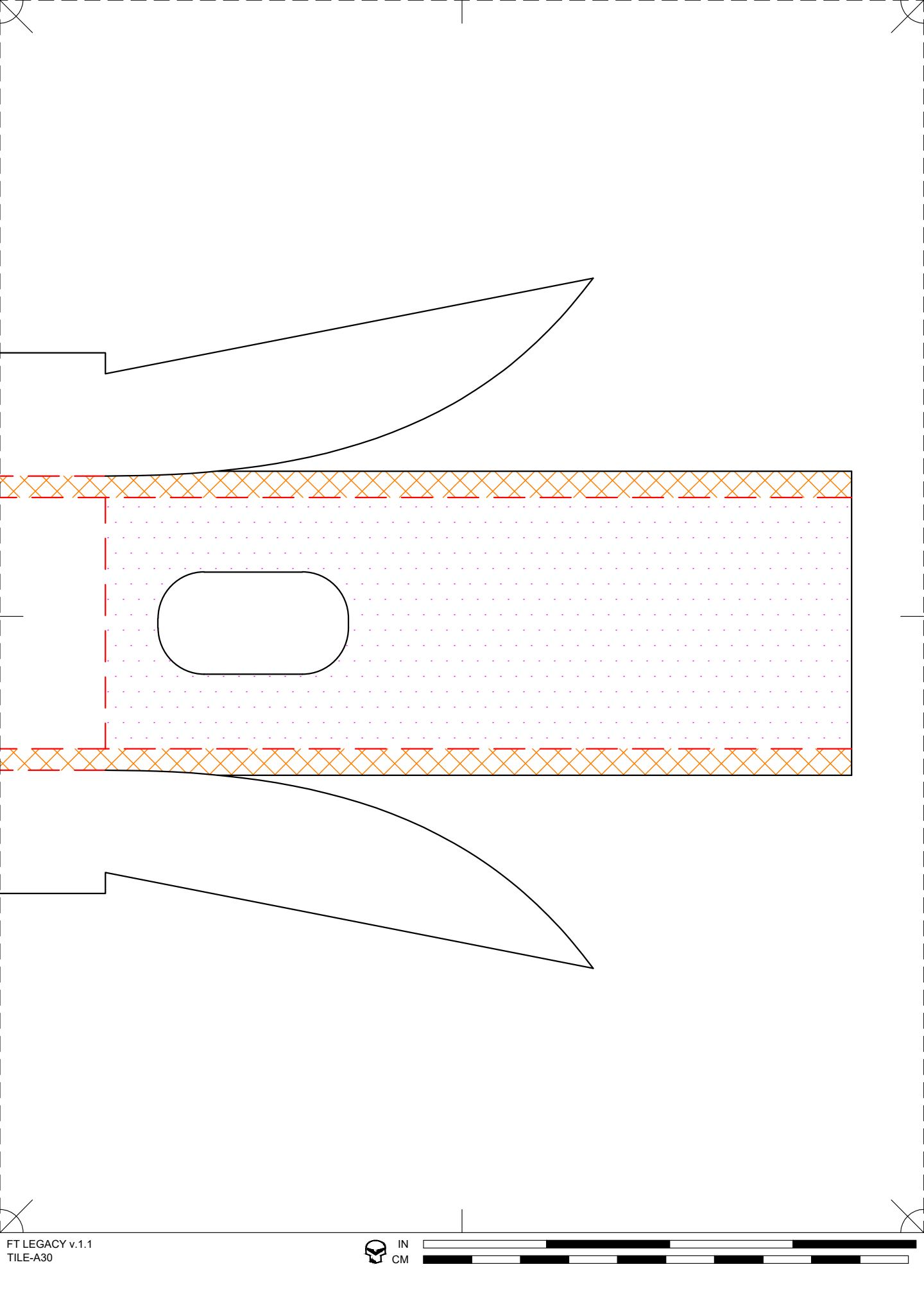


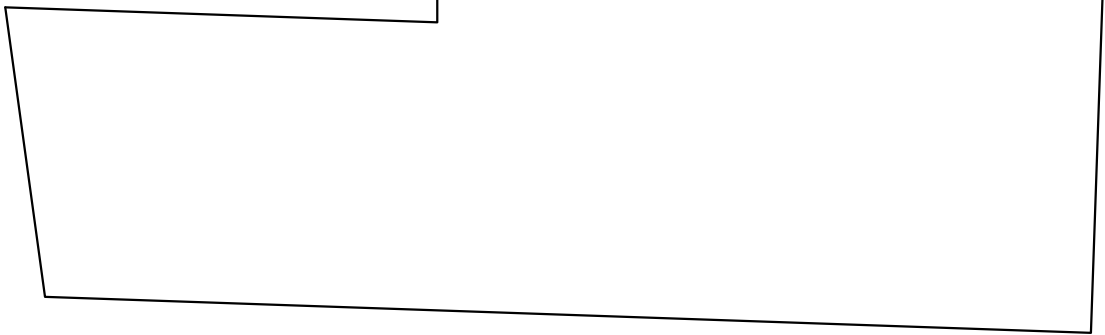


21  
2

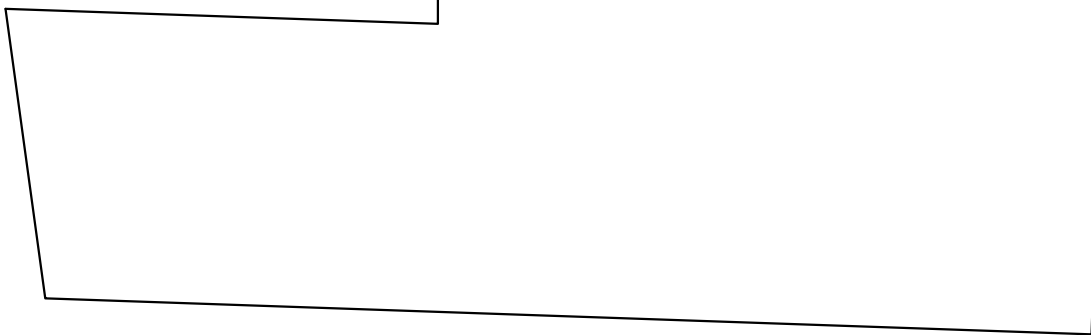
MOTOR NACELLE

FOAM BOARD  
FT LEGACY - v.1.1





03 FUSELAGE NOSE DOUBLER  
2 FOAM BOARD  
FT LEGACY - v.1.1



03  
2

FUSELAGE NOSE DOUBLER

FOAM BOARD  
FT LEGACY - v.1.1







IN  
CM



45° SINGLE BEVEL

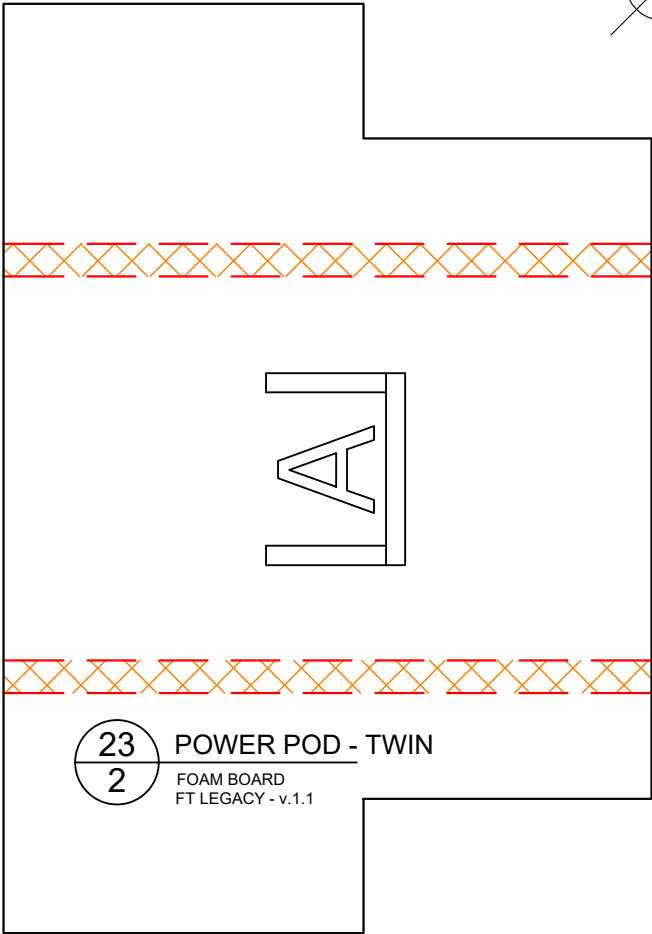
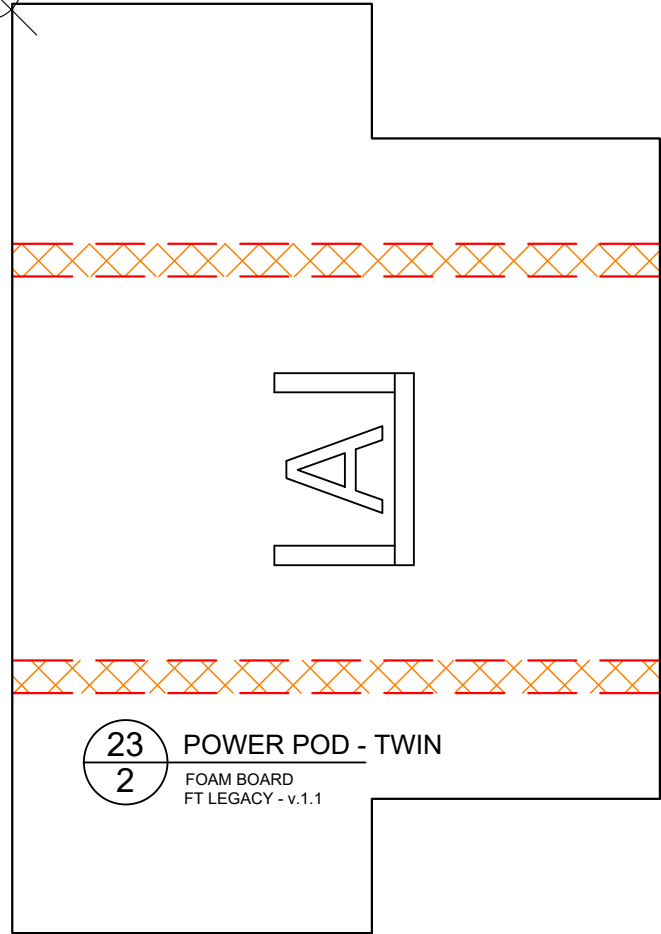
14  
1

VERITCAL STABILIZER

FOAM BOARD  
FT LEGACY - v.1.1

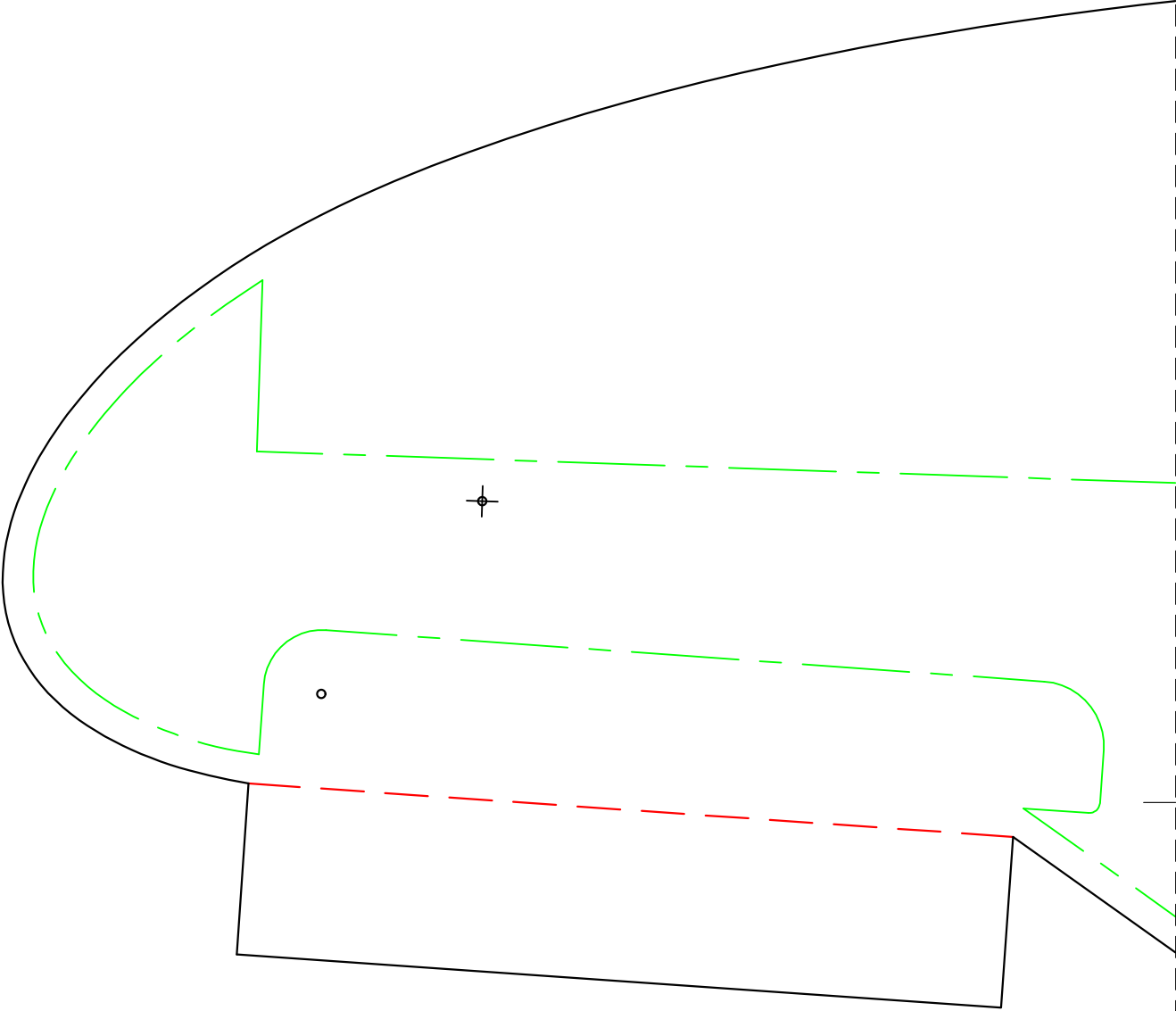


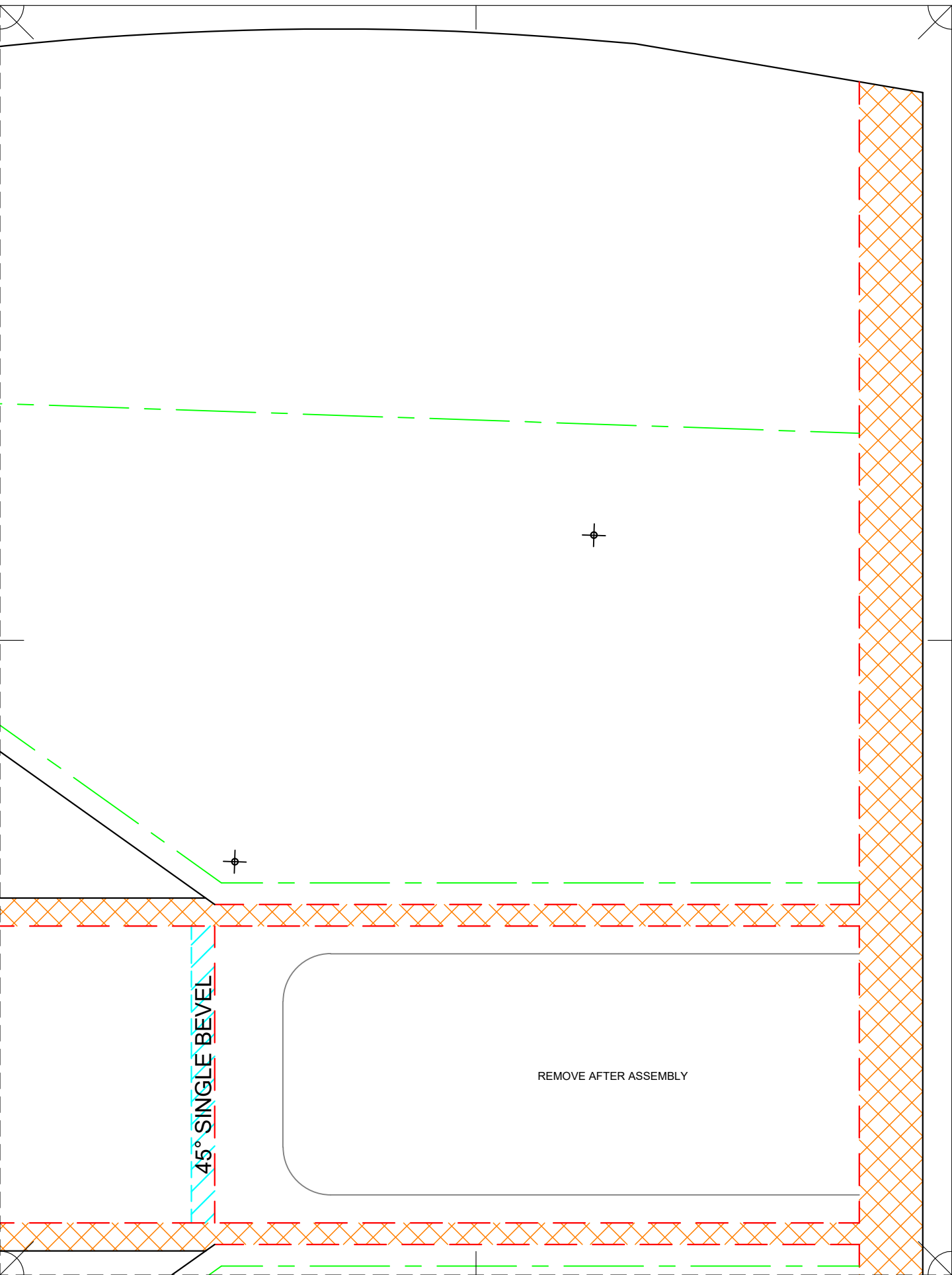
IN  
CM





IN  
CM

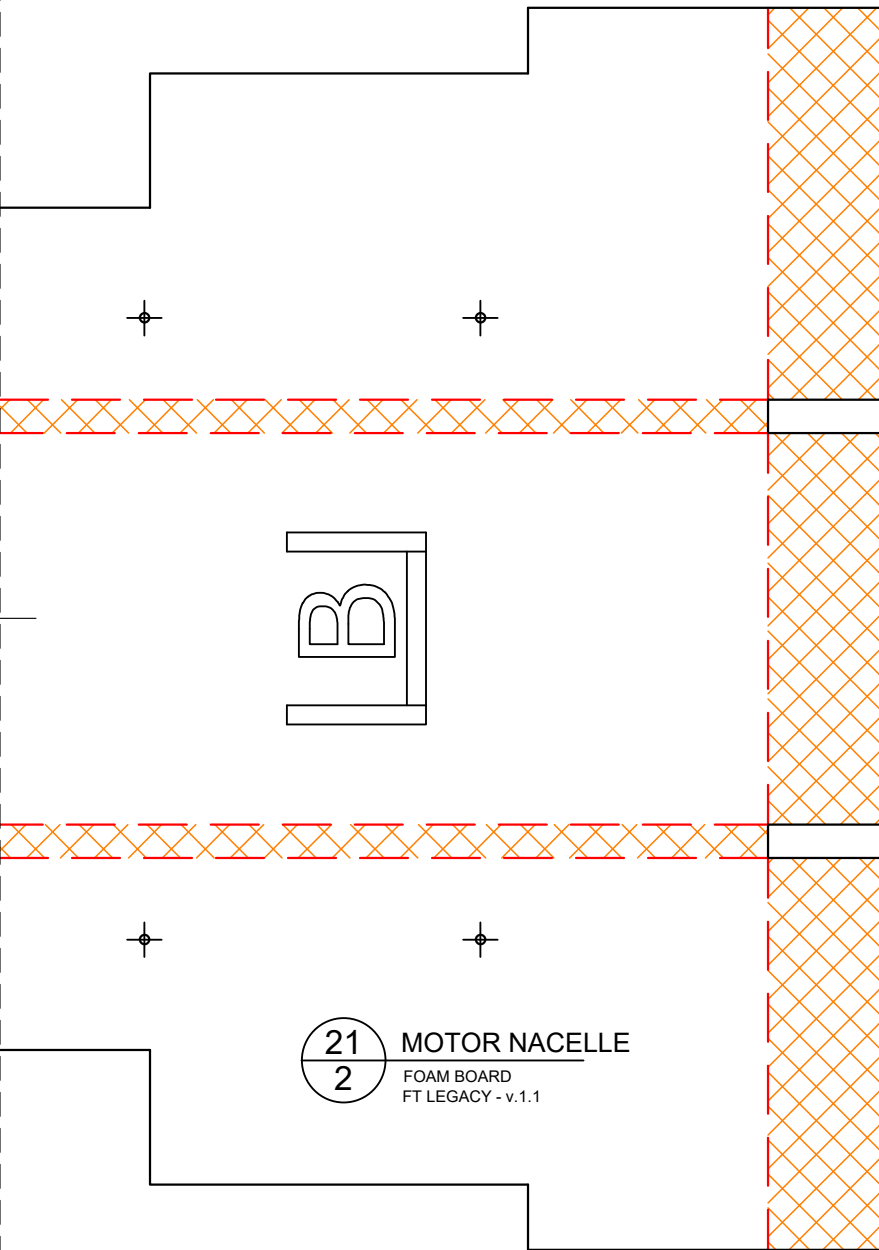






IN  
CM

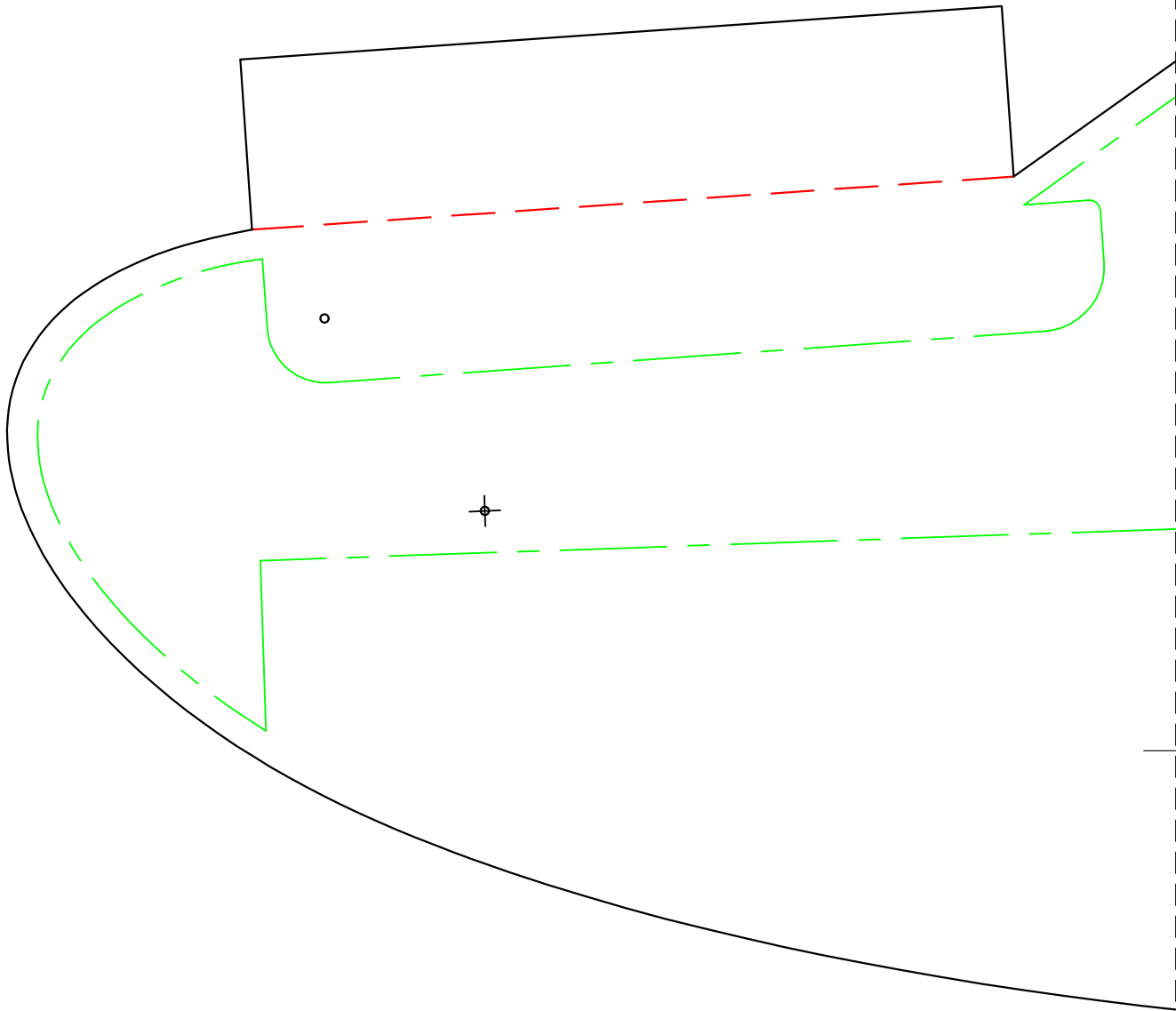




21  
2

MOTOR NACELLE

FOAM BOARD  
FT LEGACY - v.1.1



01  
1

## FUSELAGE FRONT

FOAM BOARD  
FT LEGACY - v.1.1

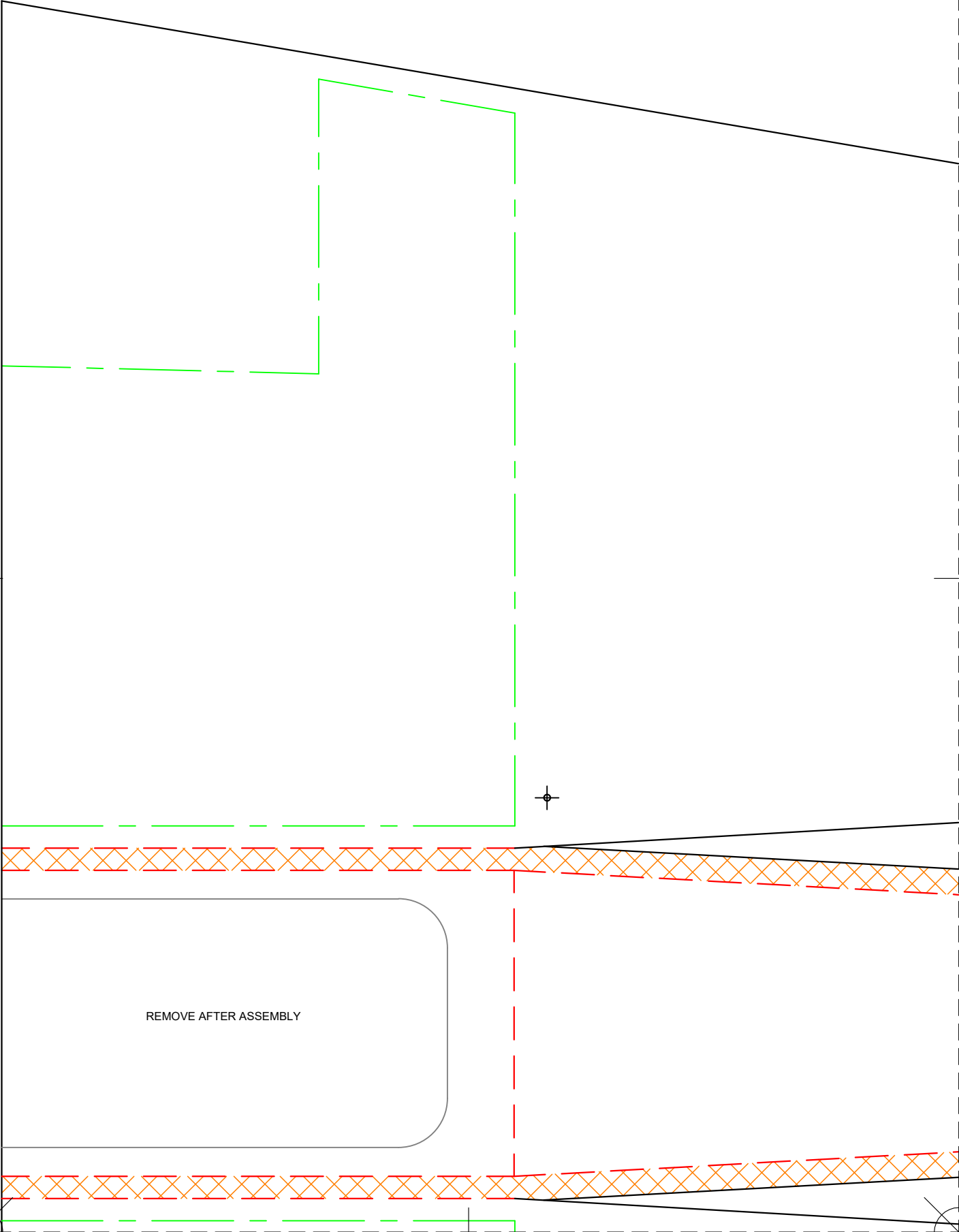


09  
1

## NOSE COVER - SINGLE

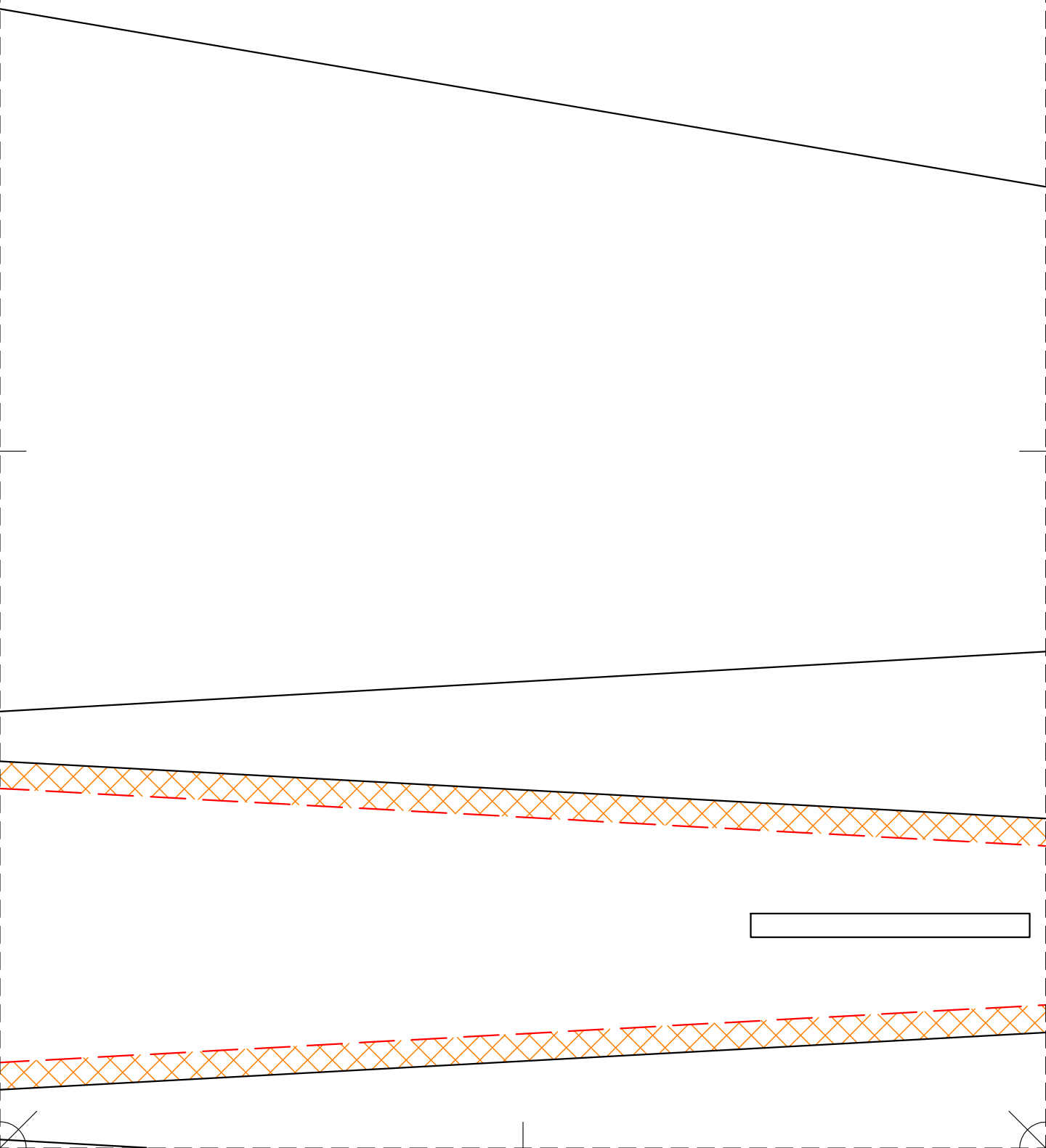
FOAM BOARD  
FT LEGACY - v.1.1





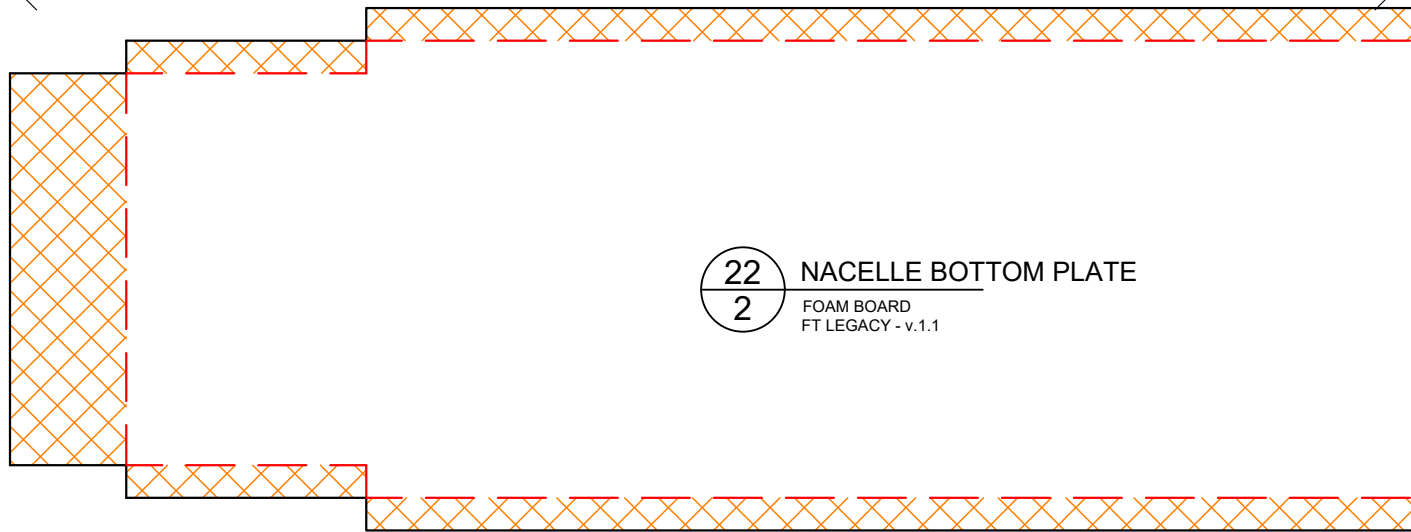


IN  
CM





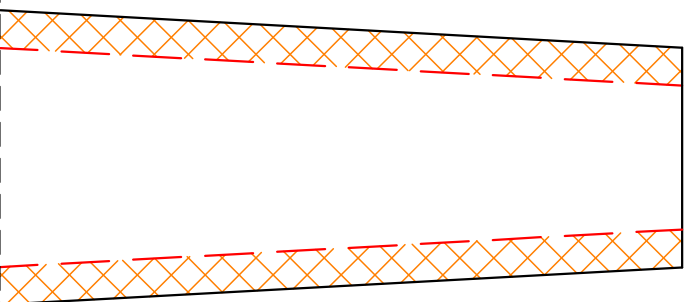
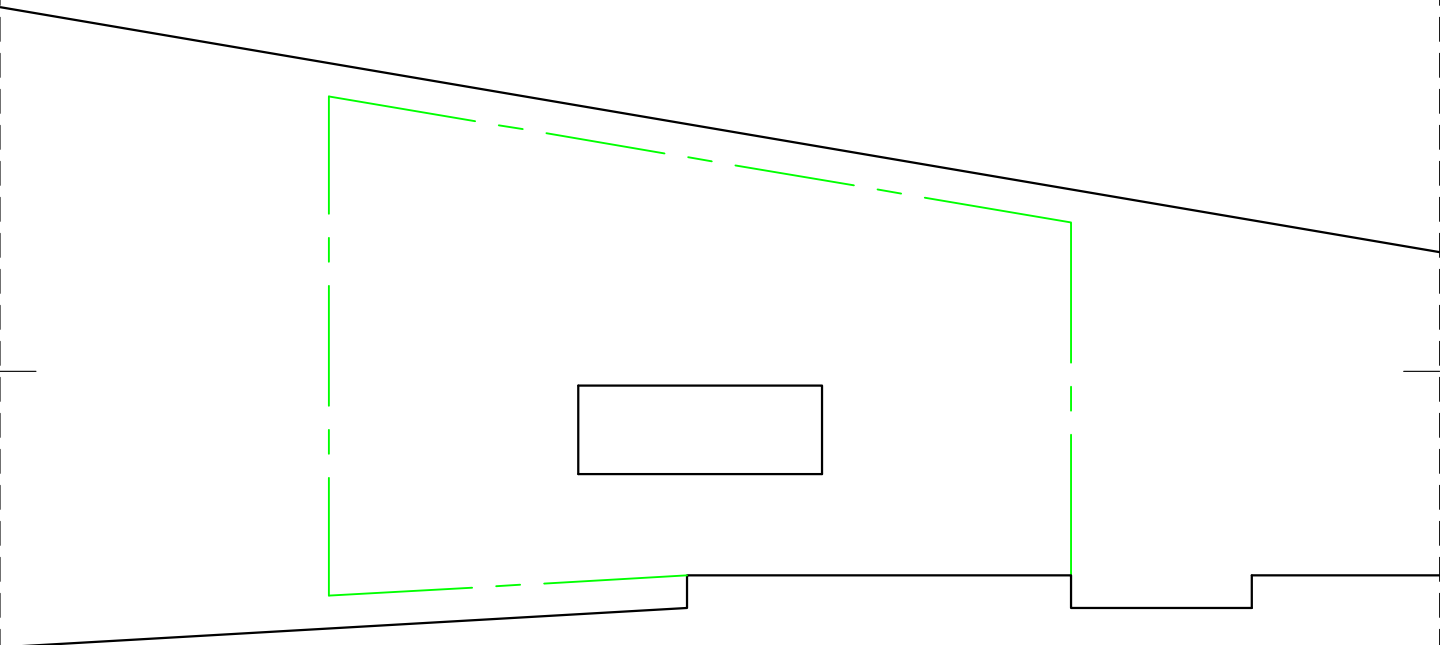
IN  
CM



22  
2

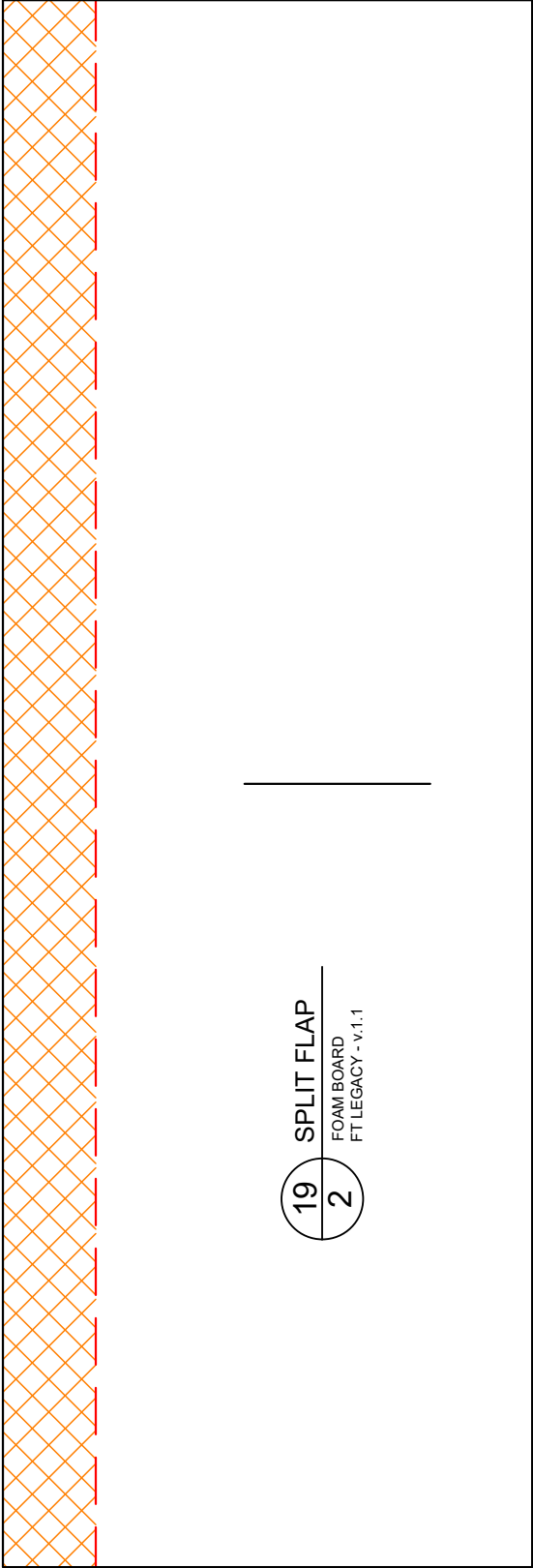
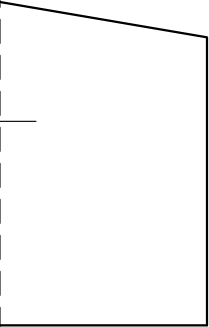
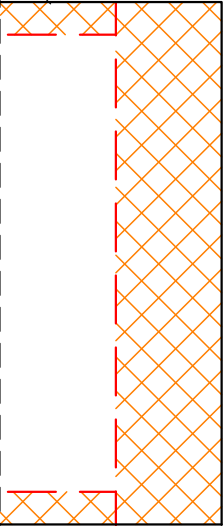
NACELLE BOTTOM PLATE

FOAM BOARD  
FT LEGACY - v.1.1





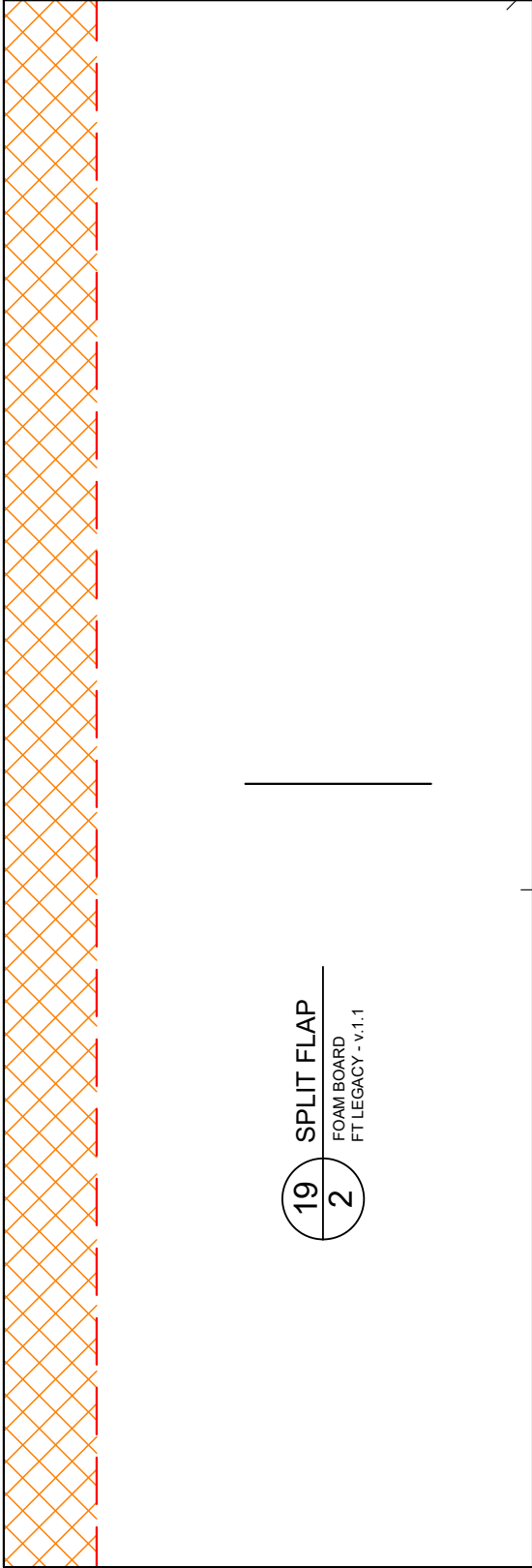
IN  
CM



19  
2

SPLIT FLAP

FOAM BOARD  
FT LEGACY - v.1.1



19  
2

SPLIT FLAP

FOAM BOARD  
FT LEGACY - v.1.1

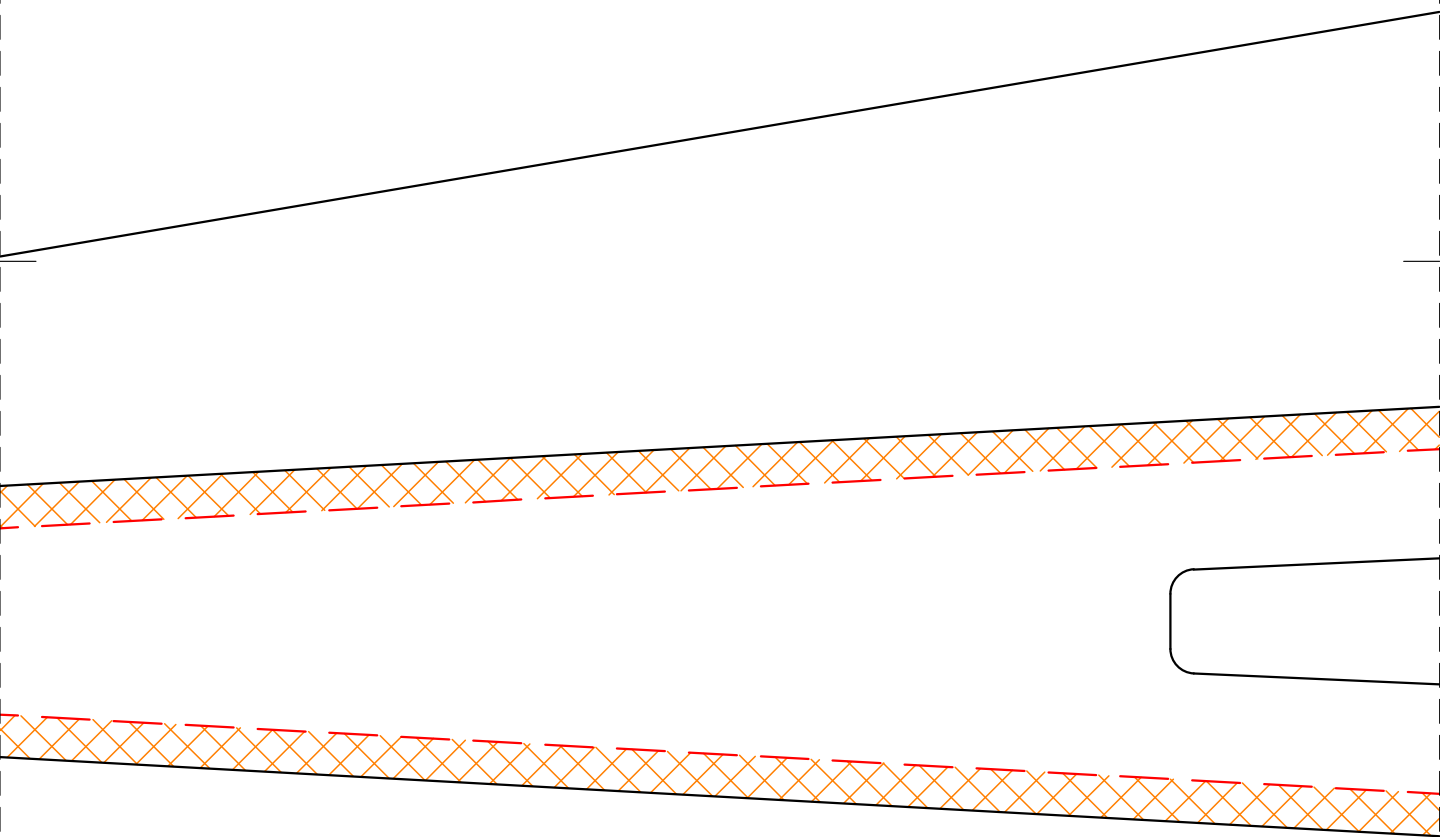


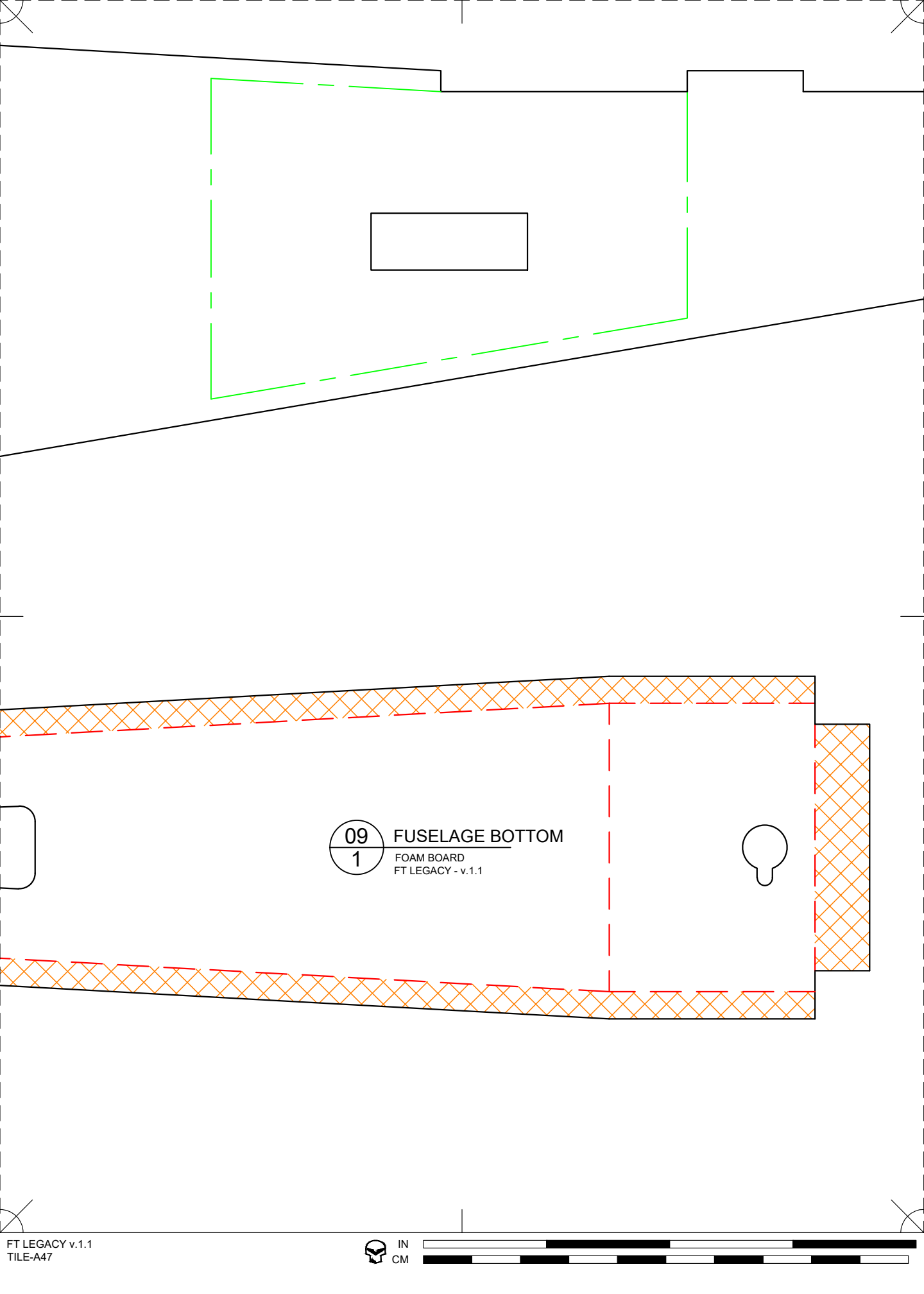
REMOVE AFTER ASSEMBLY

02  
1

## FUSELAGE REAR

FOAM BOARD  
FT LEGACY - v.1.1

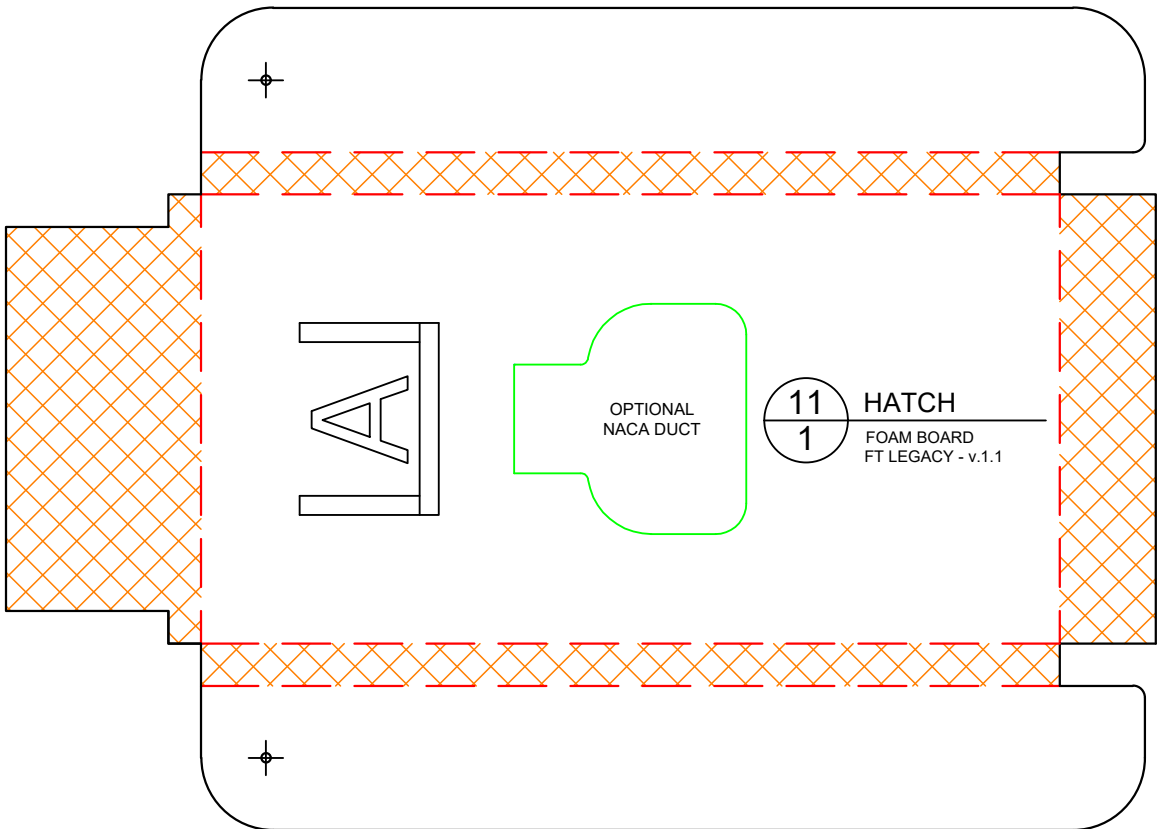
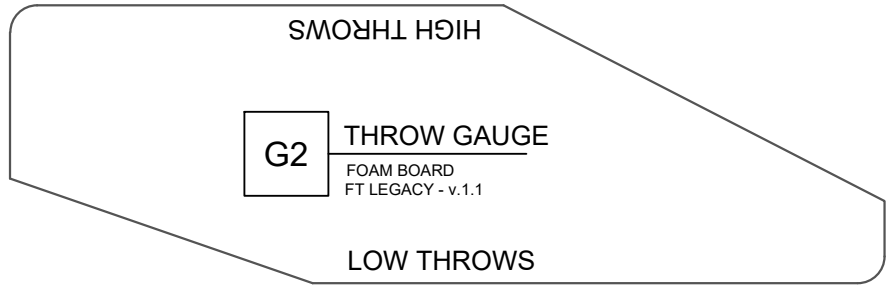
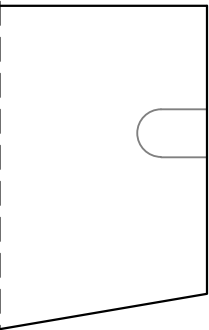




09  
1

**FUSELAGE BOTTOM**

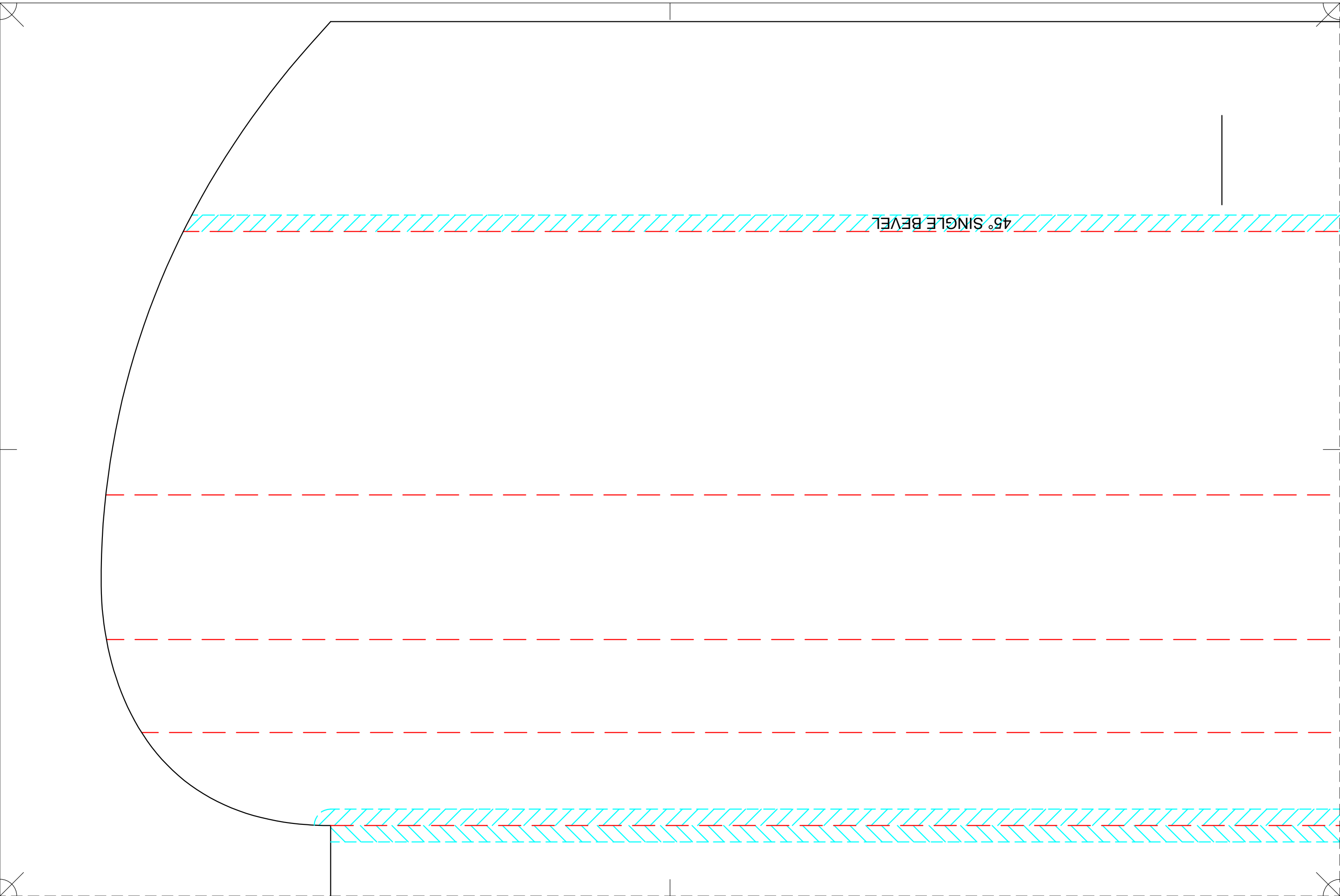
FOAM BOARD  
FT LEGACY - v.1.1





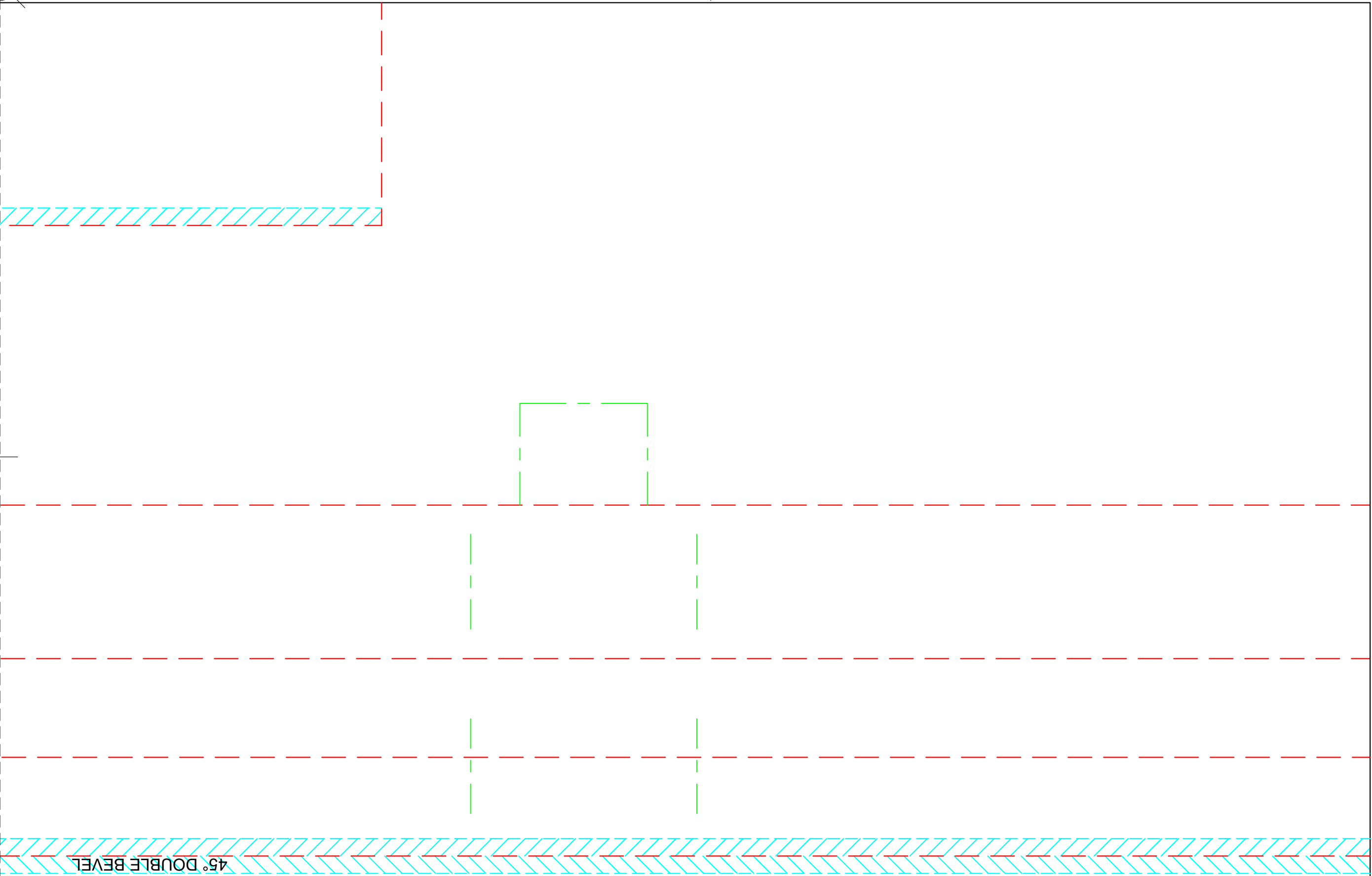


IN  
CM

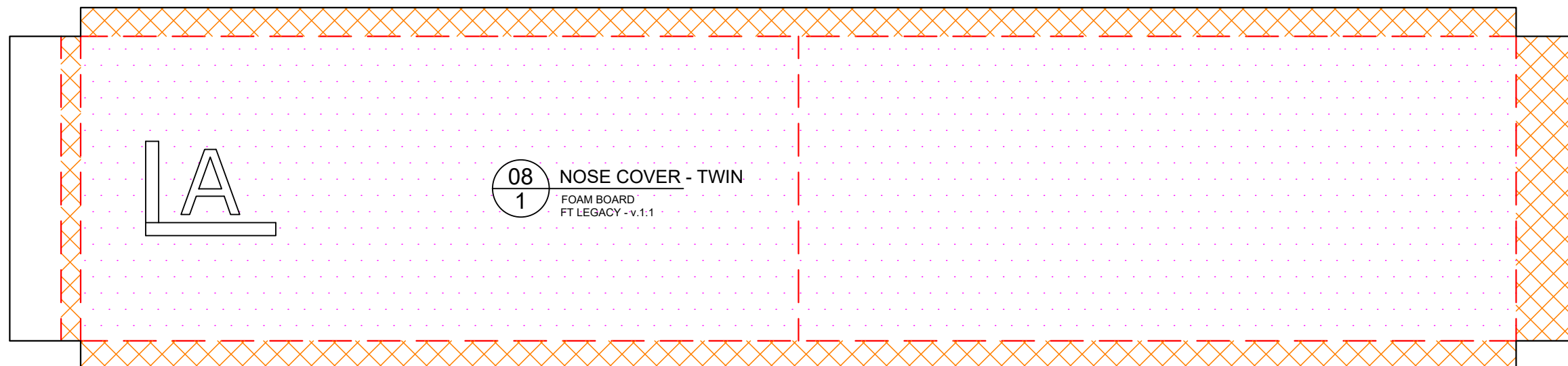
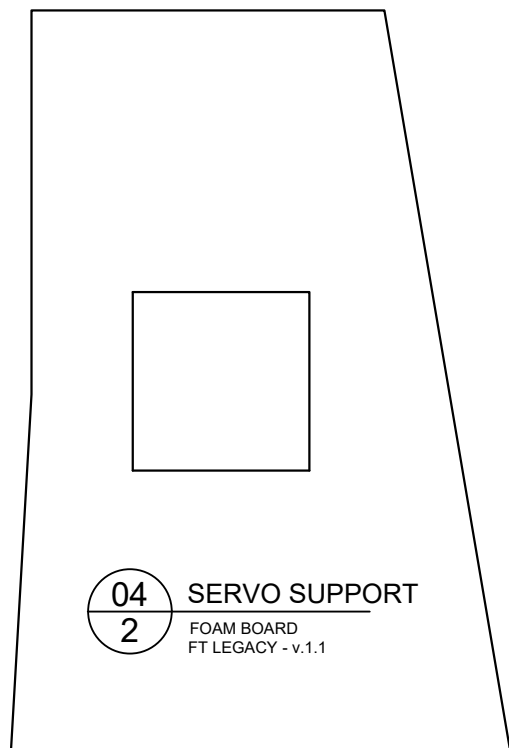




IN  
CM



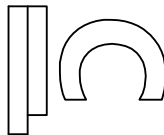
45° DOUBLE BEVEL



15  
1 LEFT WING  
FOAM BOARD  
FT LEGACY - v.1.1

REMOVE AFTER  
ASSEMBLY

REMOVE AFTER  
ASSEMBLY



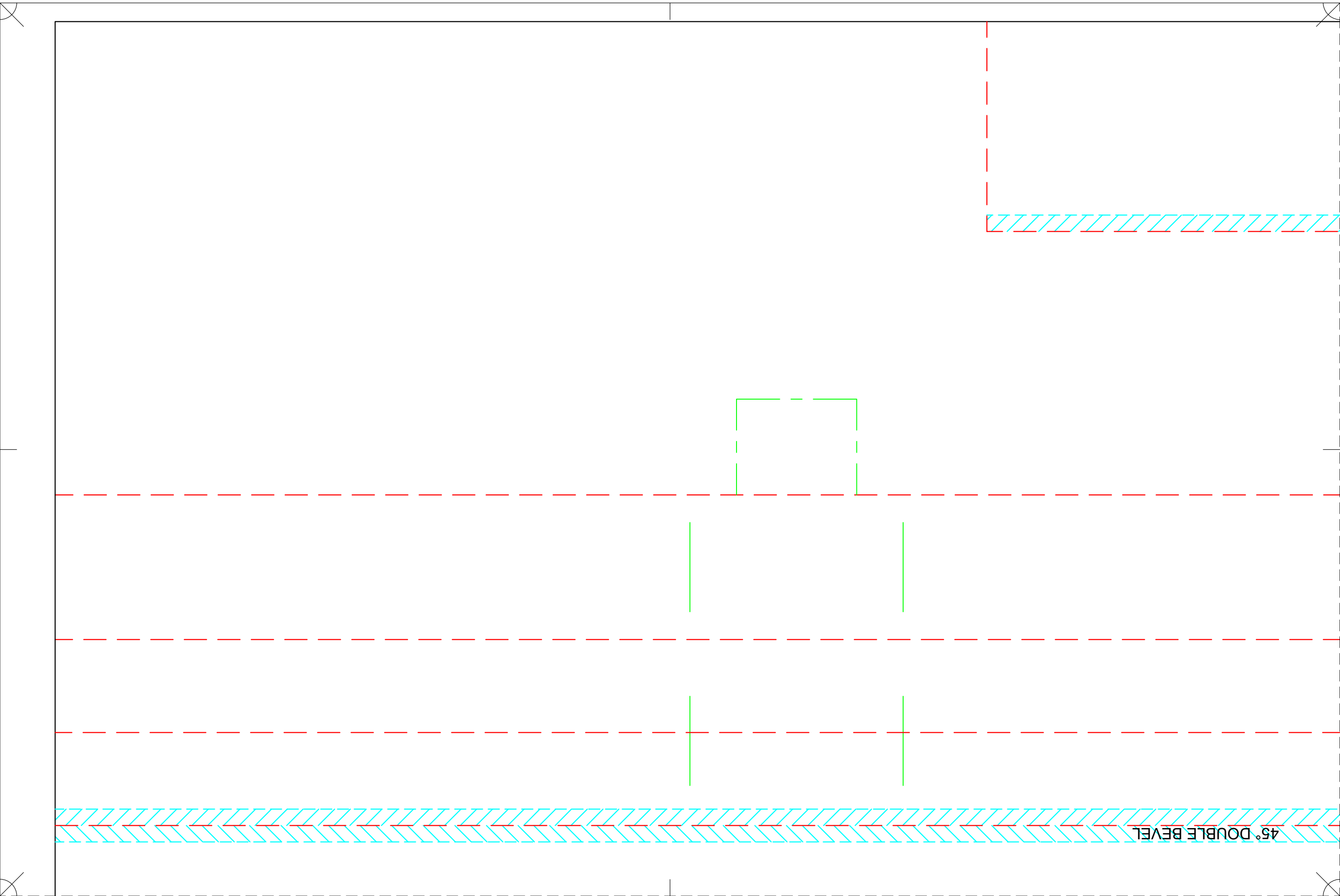
06  
1 FUSELAGE BOX FORMER  
FOAM BOARD  
FT LEGACY - v.1.1

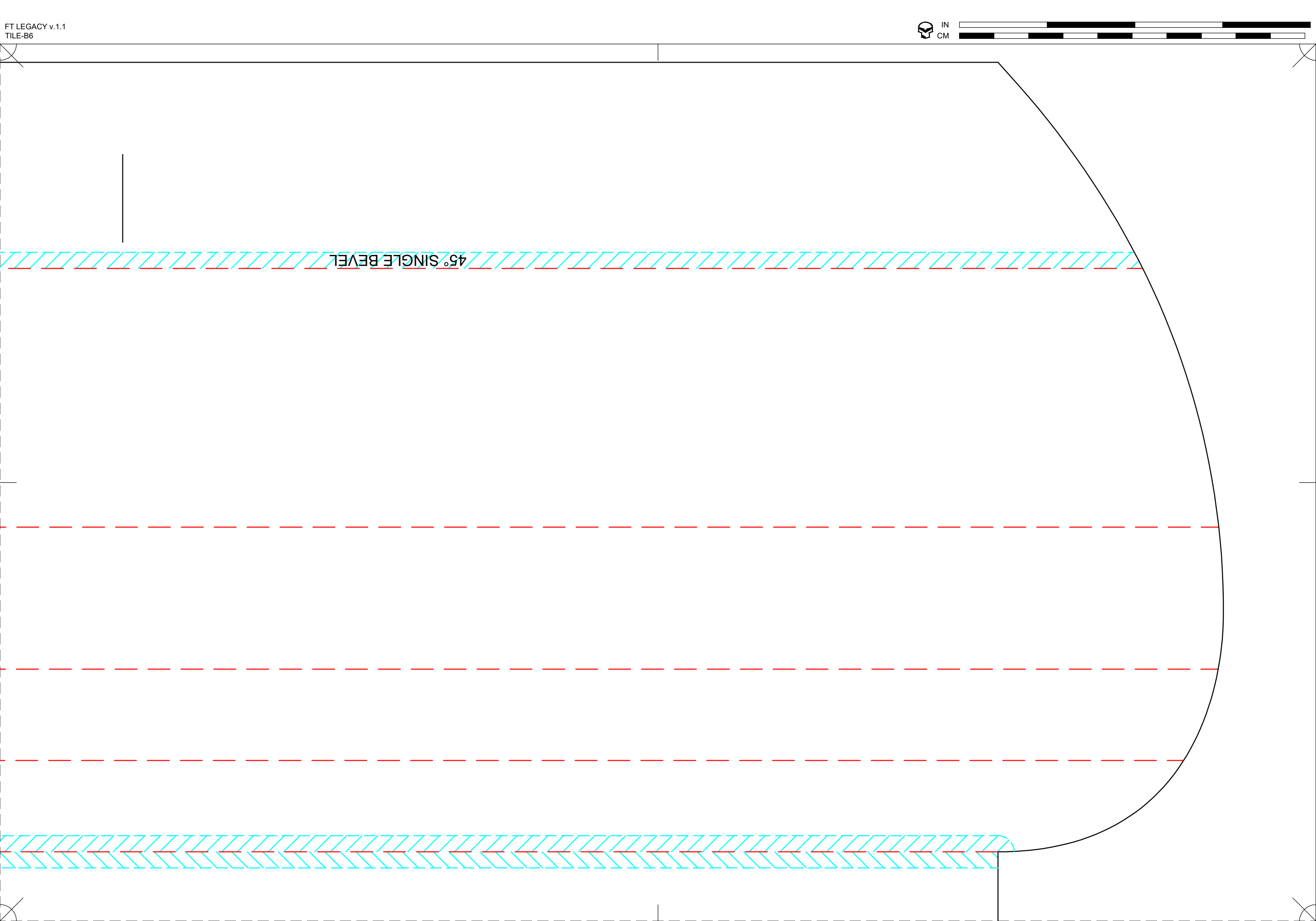
10  
1 BOMB BAY DOOR  
FOAM BOARD  
FT LEGACY - v.1.1

CUT OPEN AFTER ASSEMBLY  
(OPTIONAL BOMB BAY DOOR)



IN  
CM





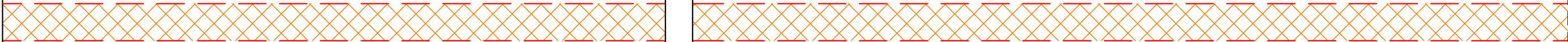
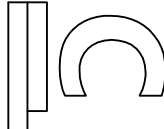


REMOVE AFTER  
ASSEMBLY

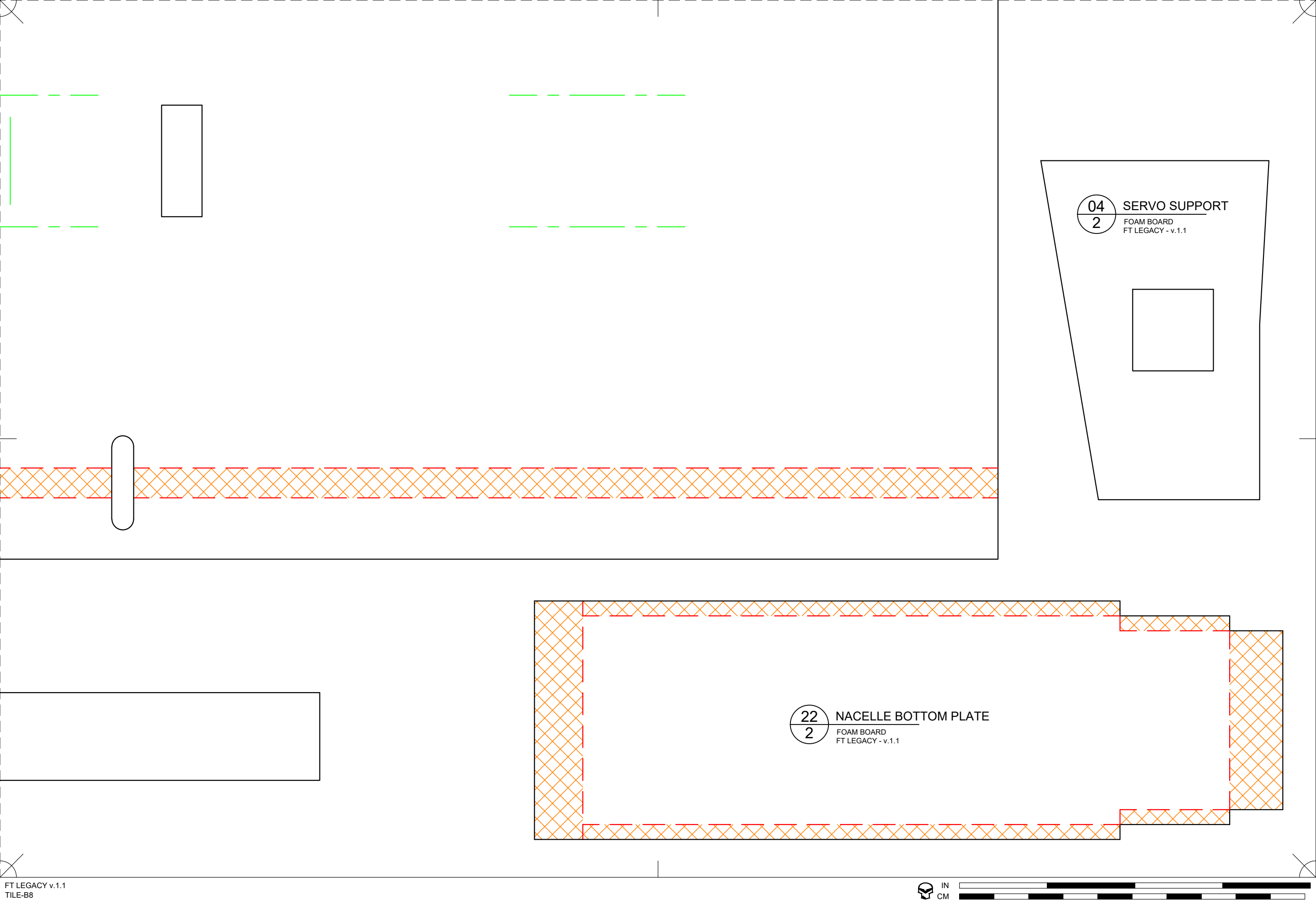
REMOVE AFTER  
ASSEMBLY



**16**  
**1** RIGHT WING  
FOAM BOARD  
FT LEGACY - v.1.1



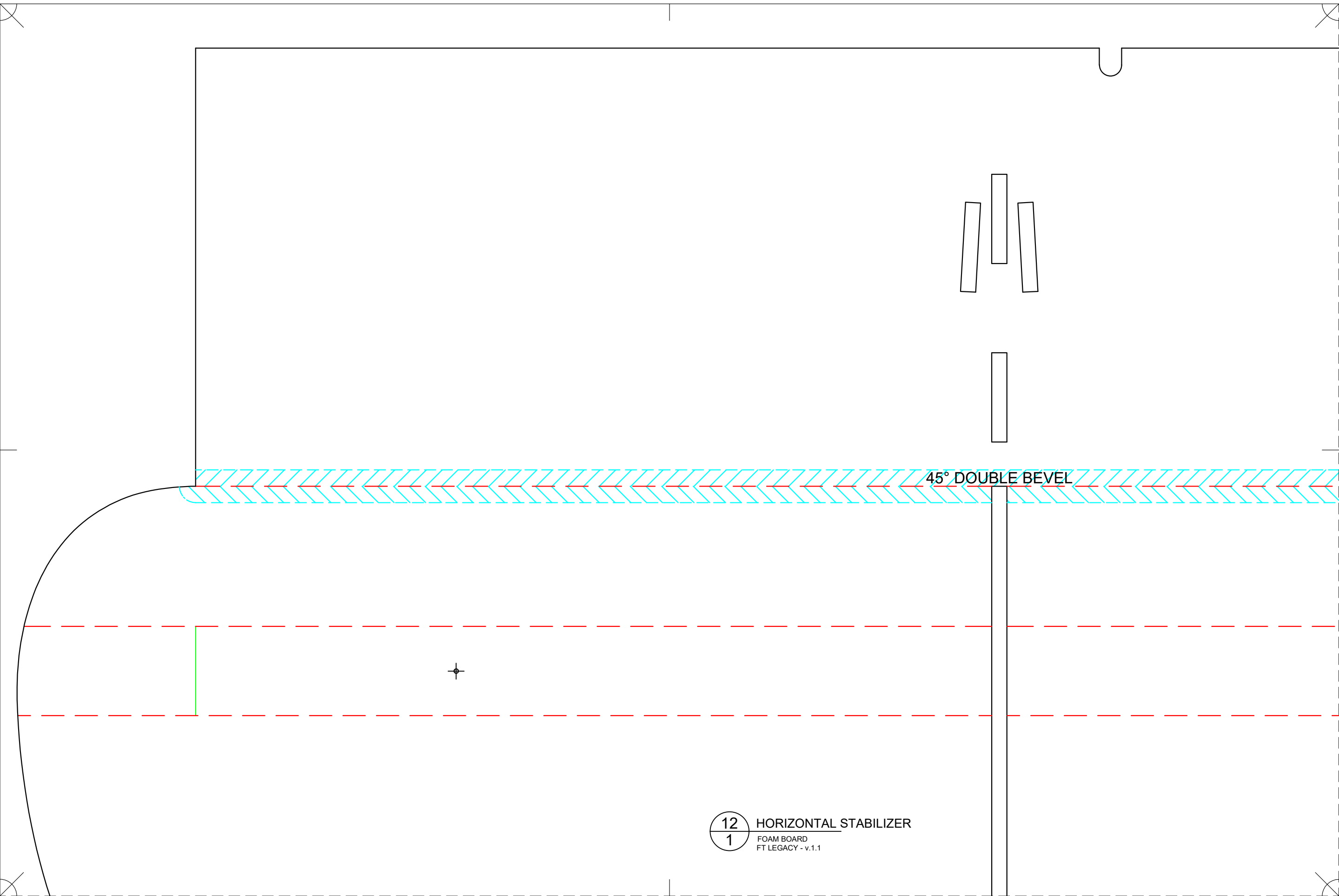
**13**  
**1** HORIZONTAL STABILIZER SPAR  
FOAM BOARD  
FT LEGACY - v.1.1







IN  
CM

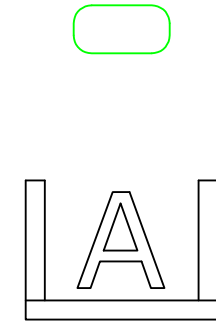
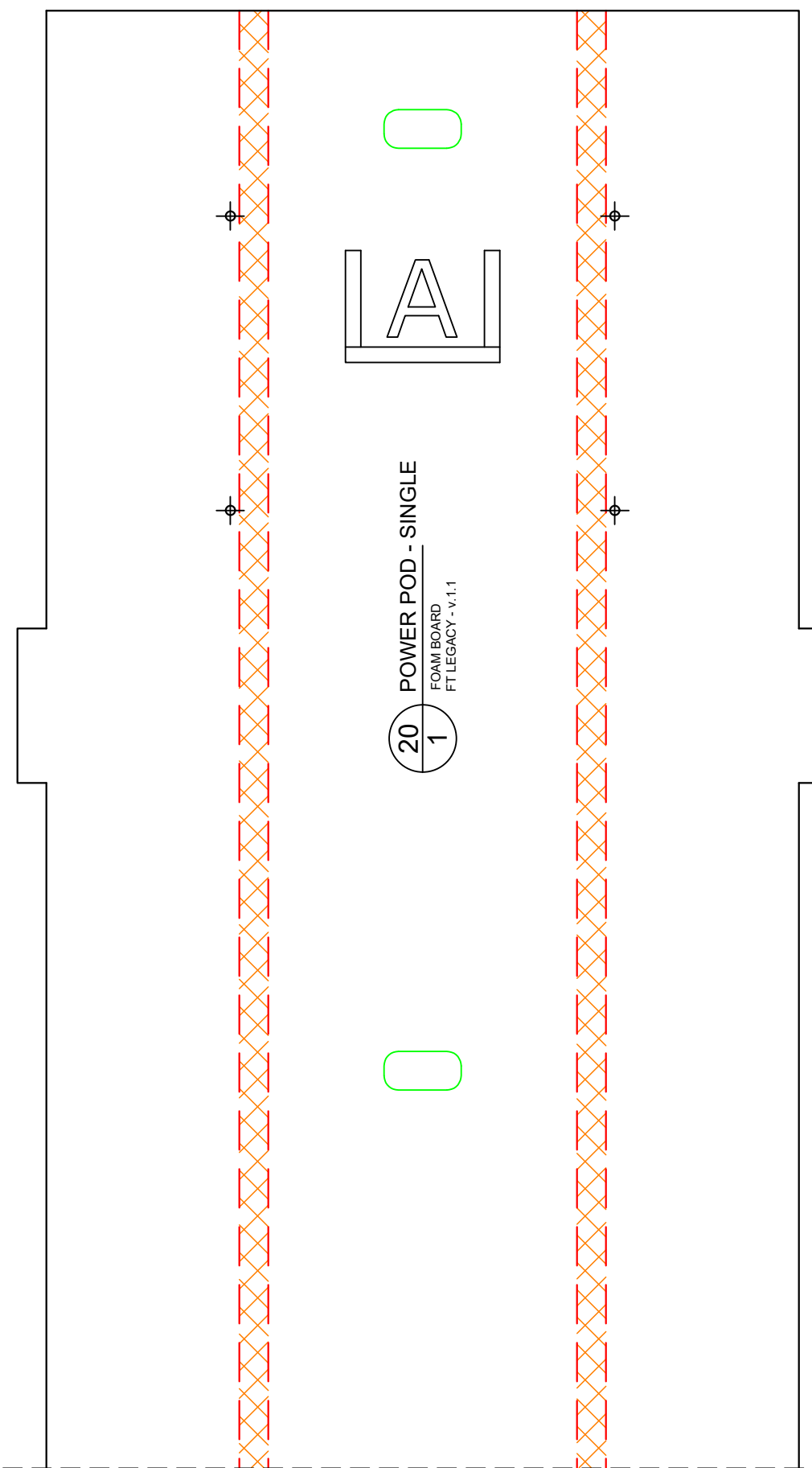
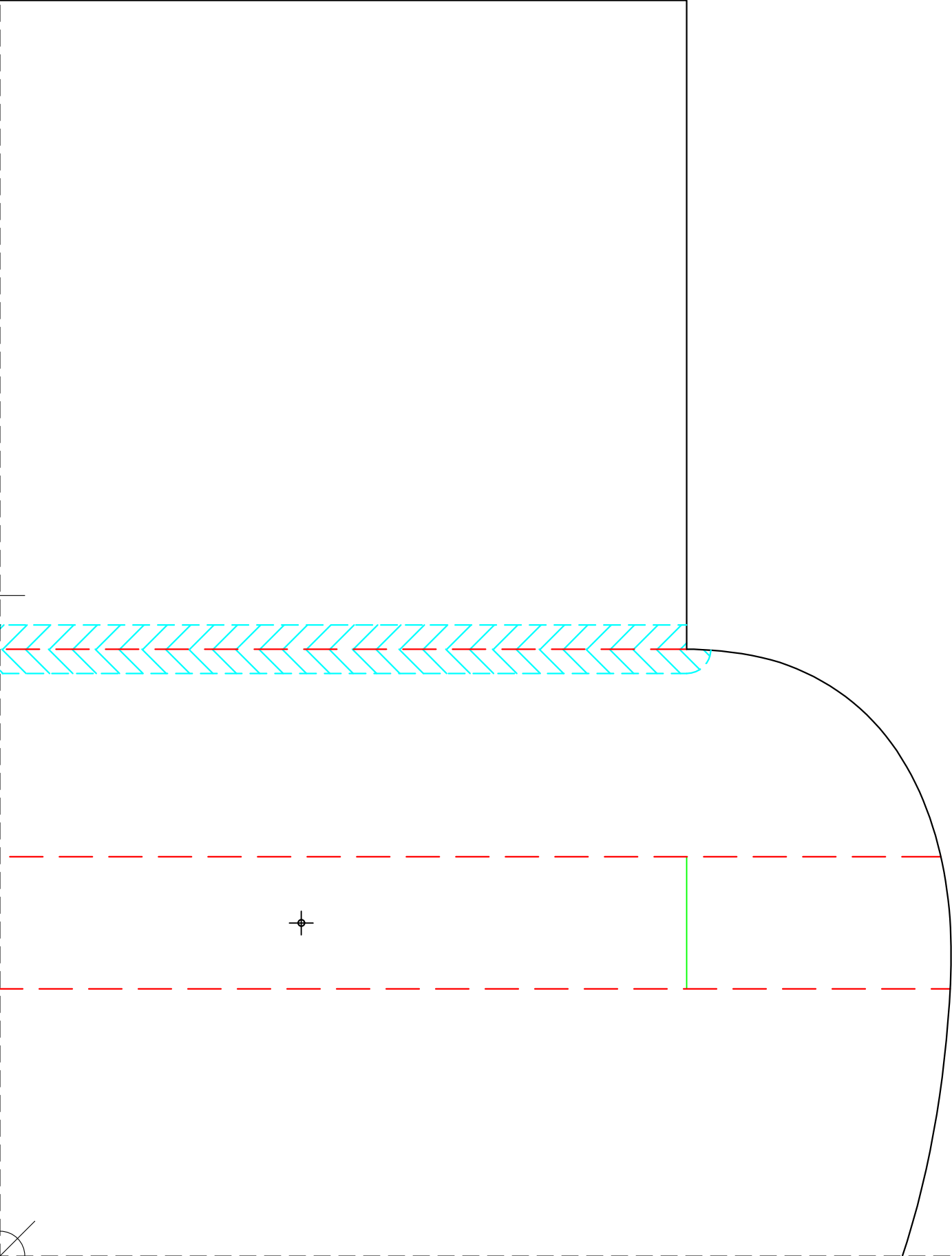


45° DOUBLE BEVEL

12  
1

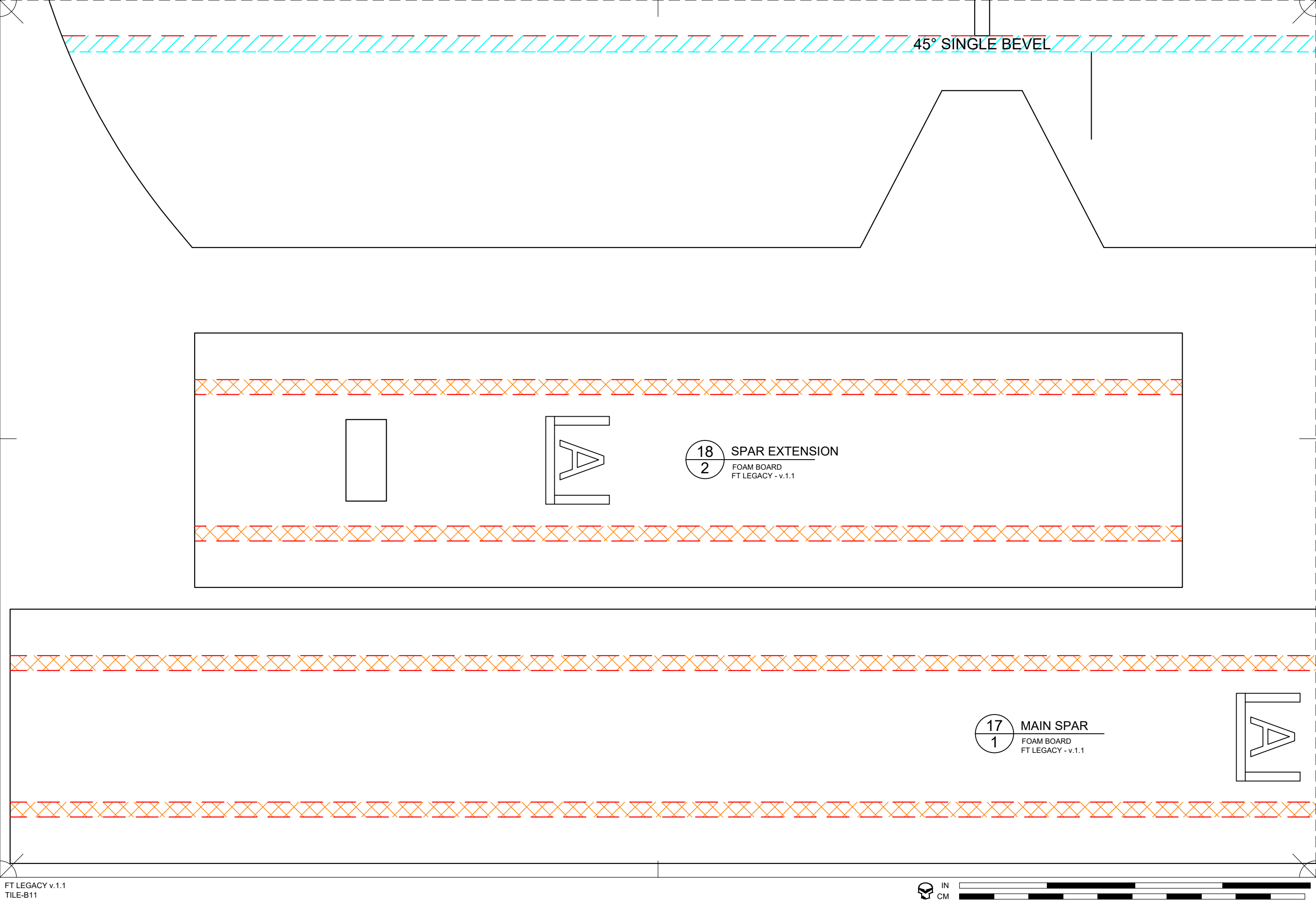
HORIZONTAL STABILIZER

FOAM BOARD  
FT LEGACY - v.1.1



20 POWER POD - SINGLE  
1 FOAM BOARD  
FT LEGACY - v.1.1

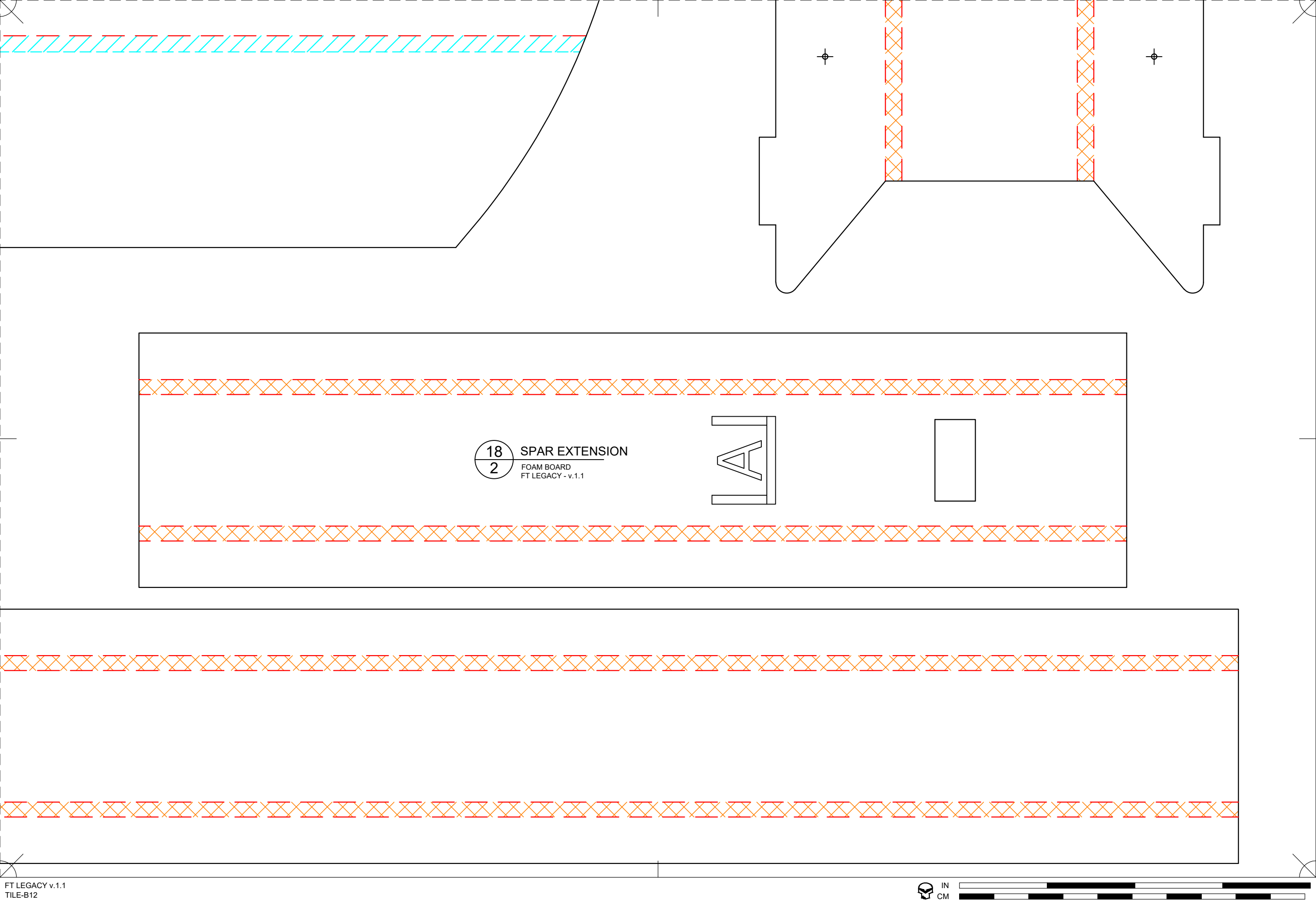




45° SINGLE BEVEL

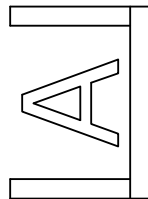
18  
2 SPAR EXTENSION  
FOAM BOARD  
FT LEGACY - v.1.1

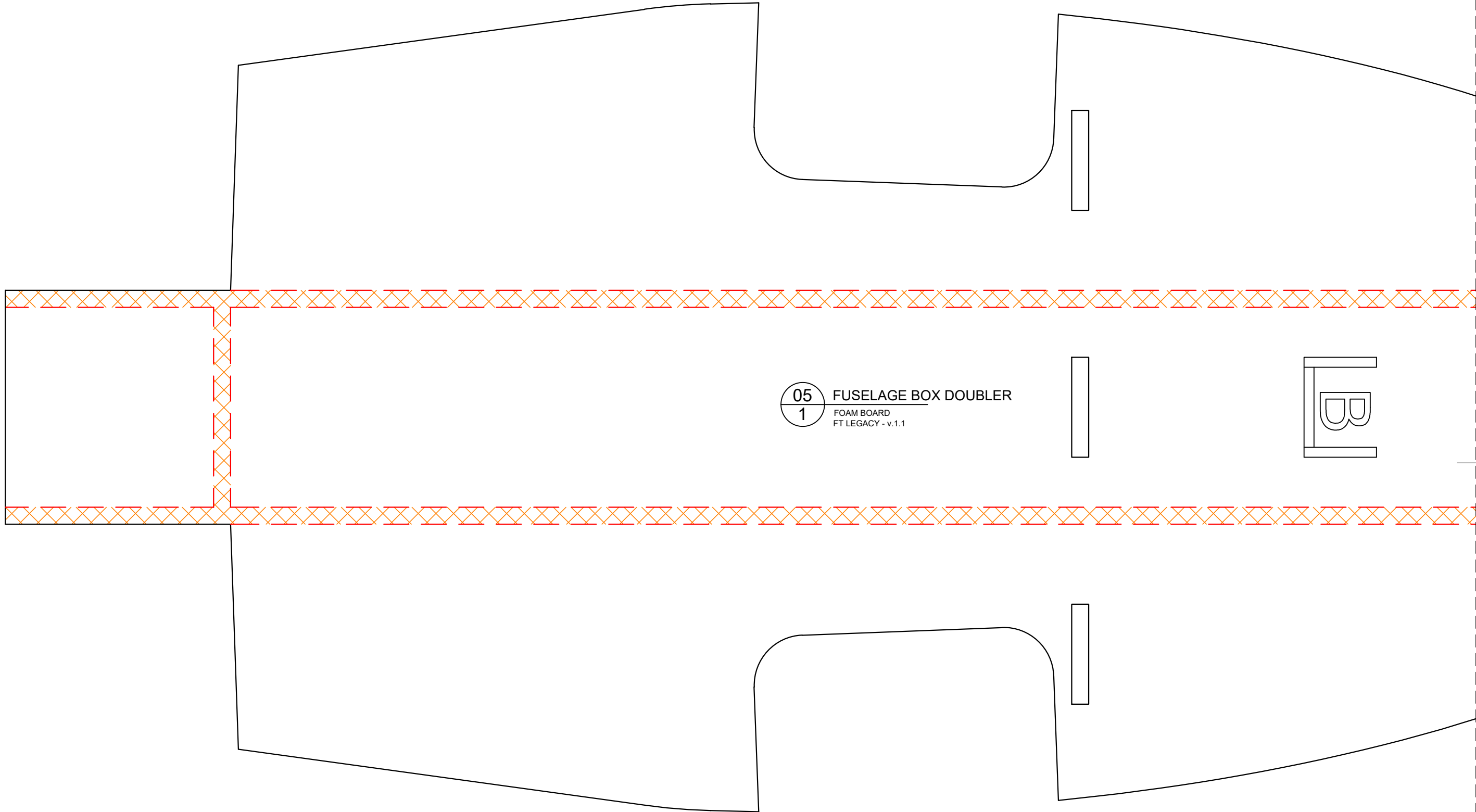
17  
1 MAIN SPAR  
FOAM BOARD  
FT LEGACY - v.1.1



18  
2

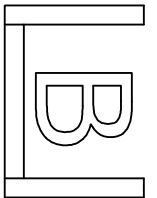
SPAR EXTENSION  
FOAM BOARD  
FT LEGACY - v.1.1

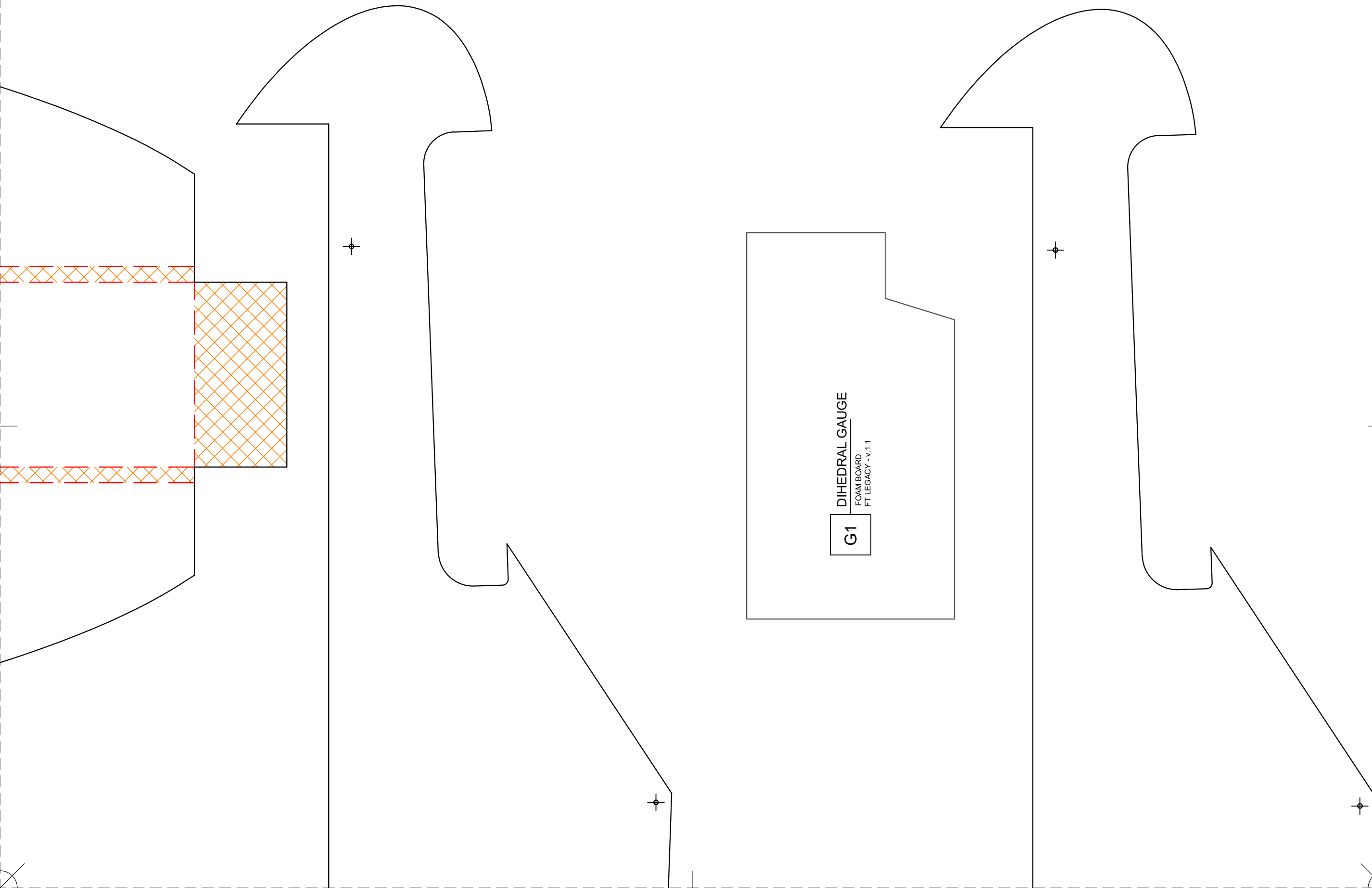


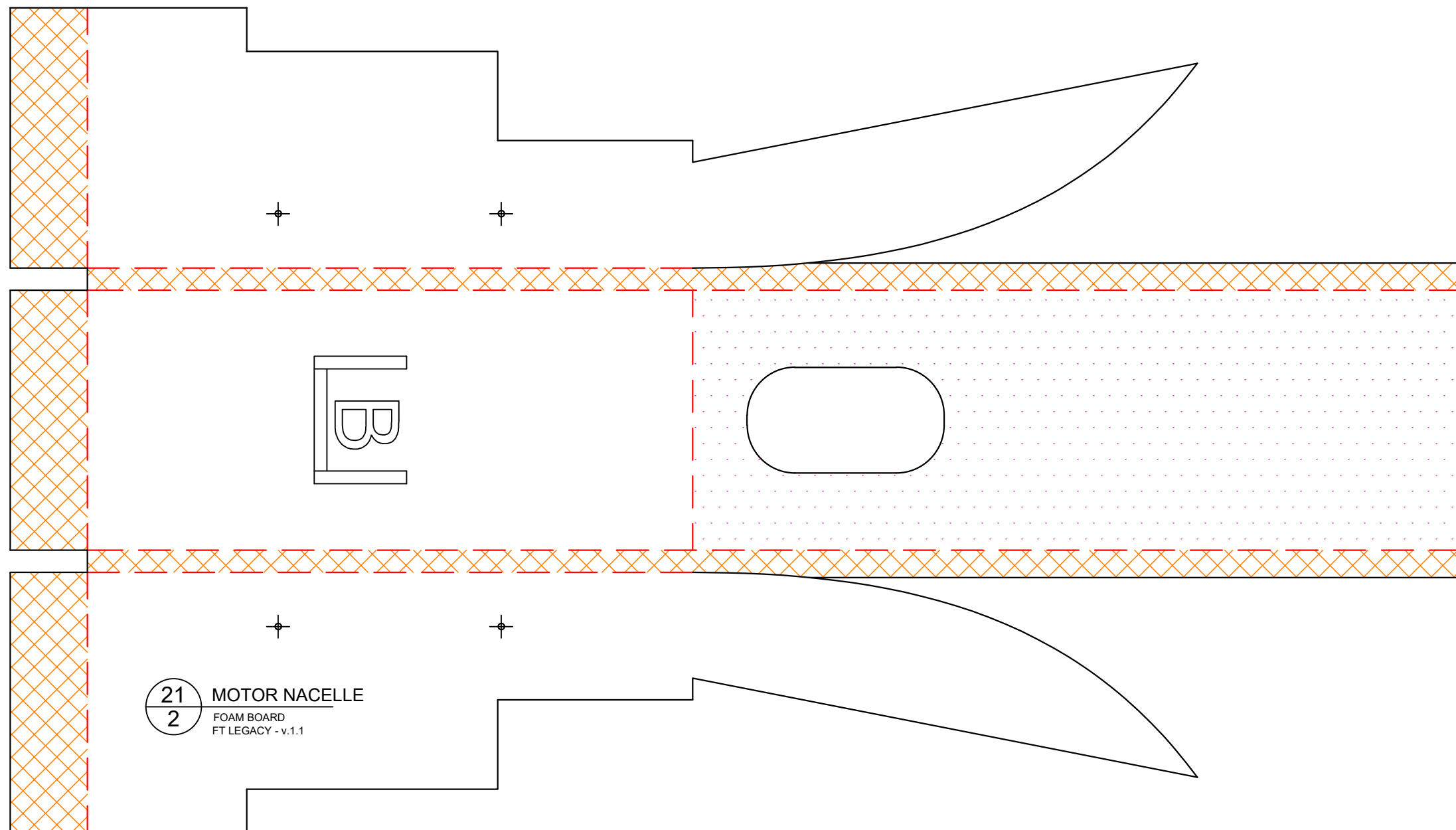


05  
1

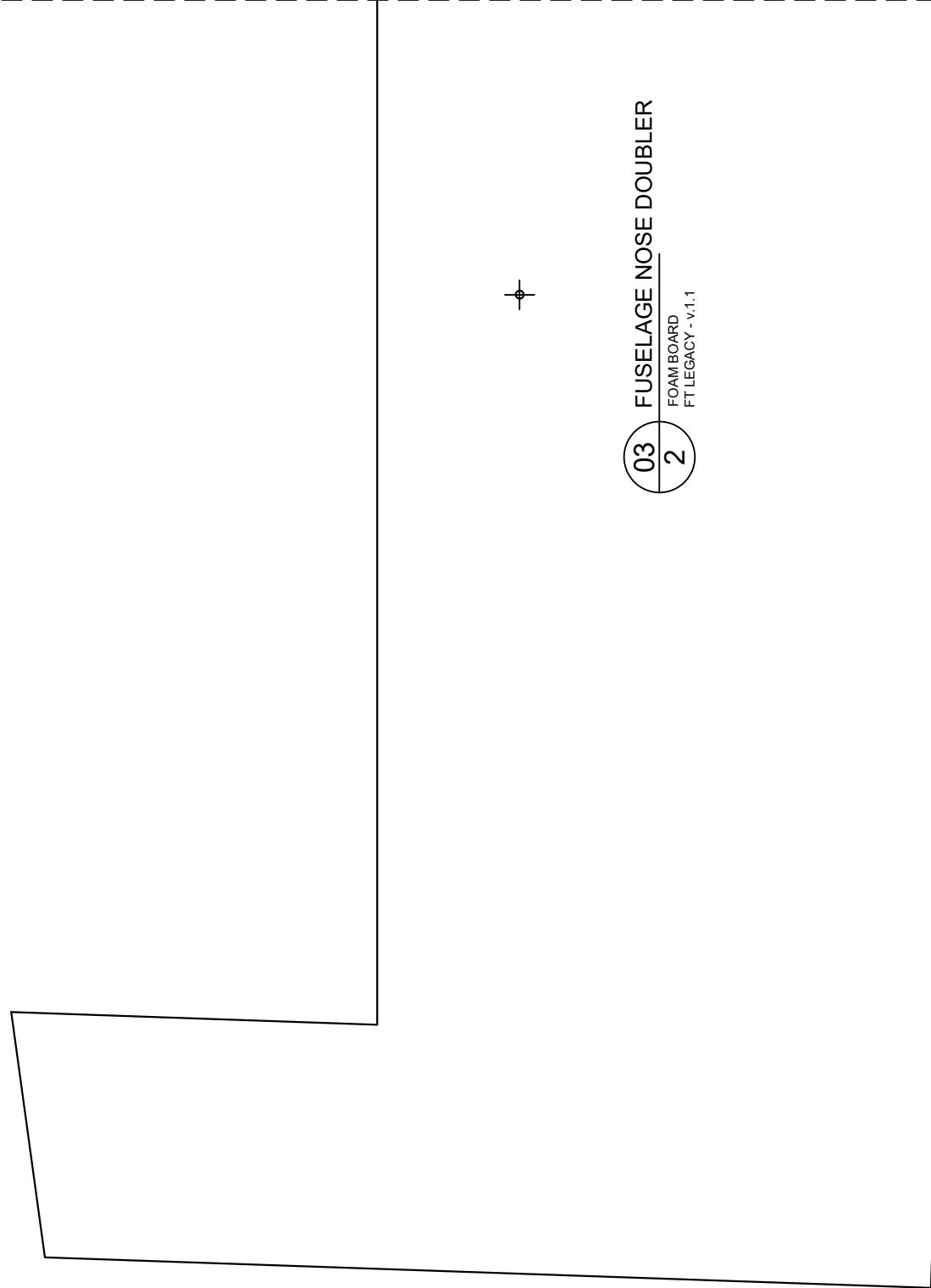
FUSELAGE BOX DOUBLER  
FOAM BOARD  
FT LEGACY - v.1.1



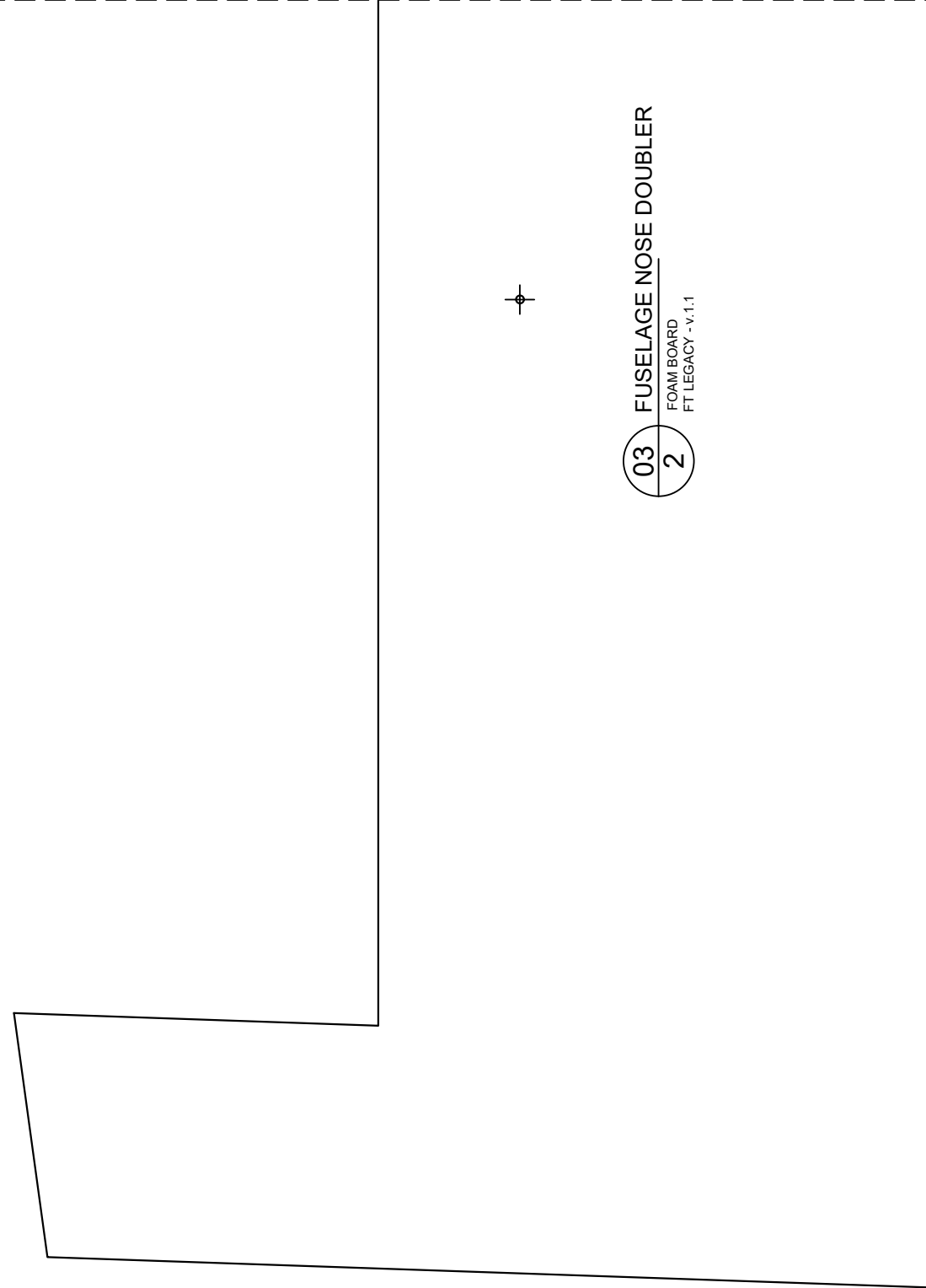




21  
2 MOTOR NACELLE  
FOAM BOARD  
FT LEGACY - v.1.1

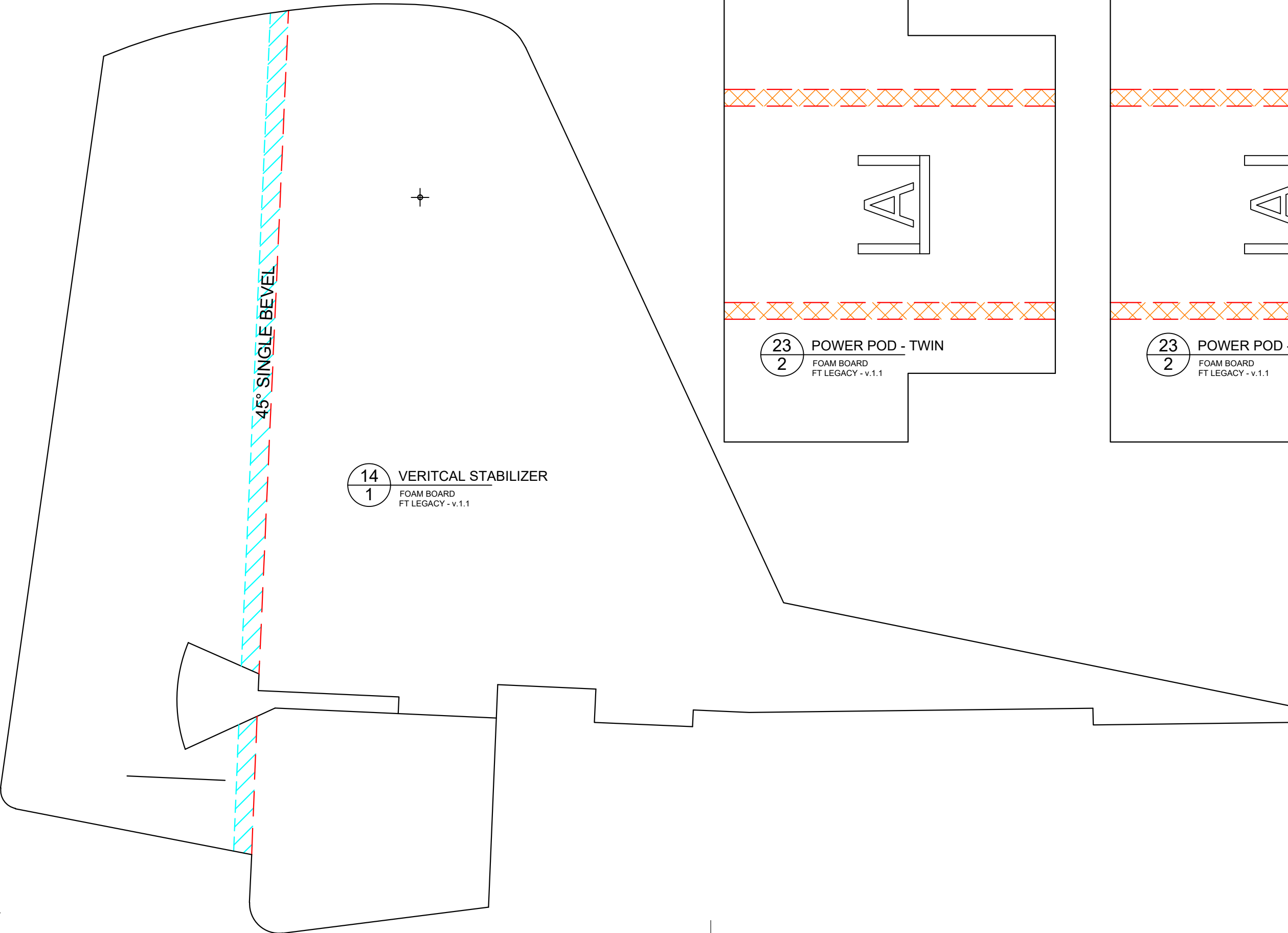


03 FUSELAGE NOSE DOUBLER  
2 FOAM BOARD  
FT LEGACY - v.1.1



03 FUSELAGE NOSE DOUBLER  
2 FOAM BOARD  
FT LEGACY - v.1.1

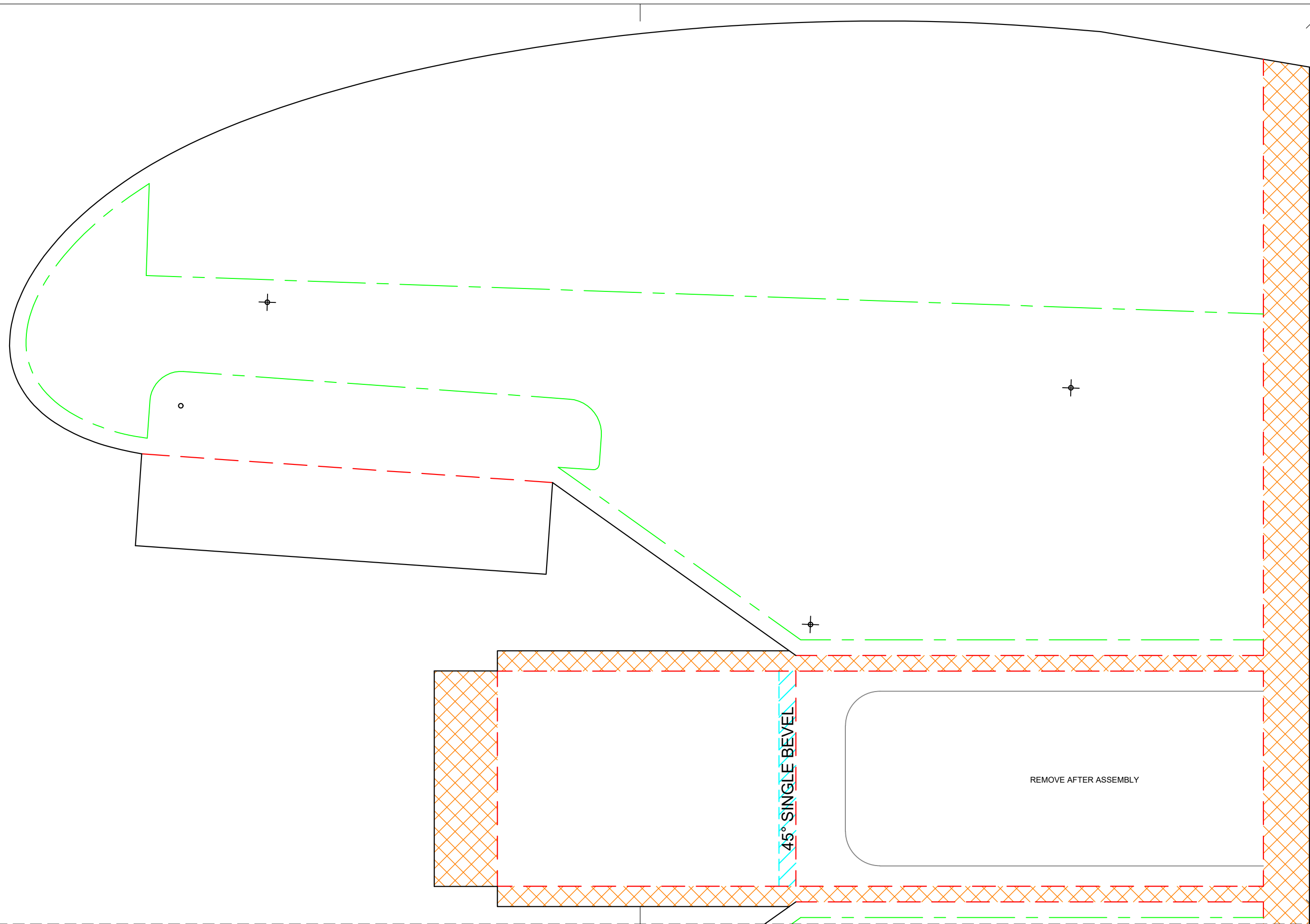


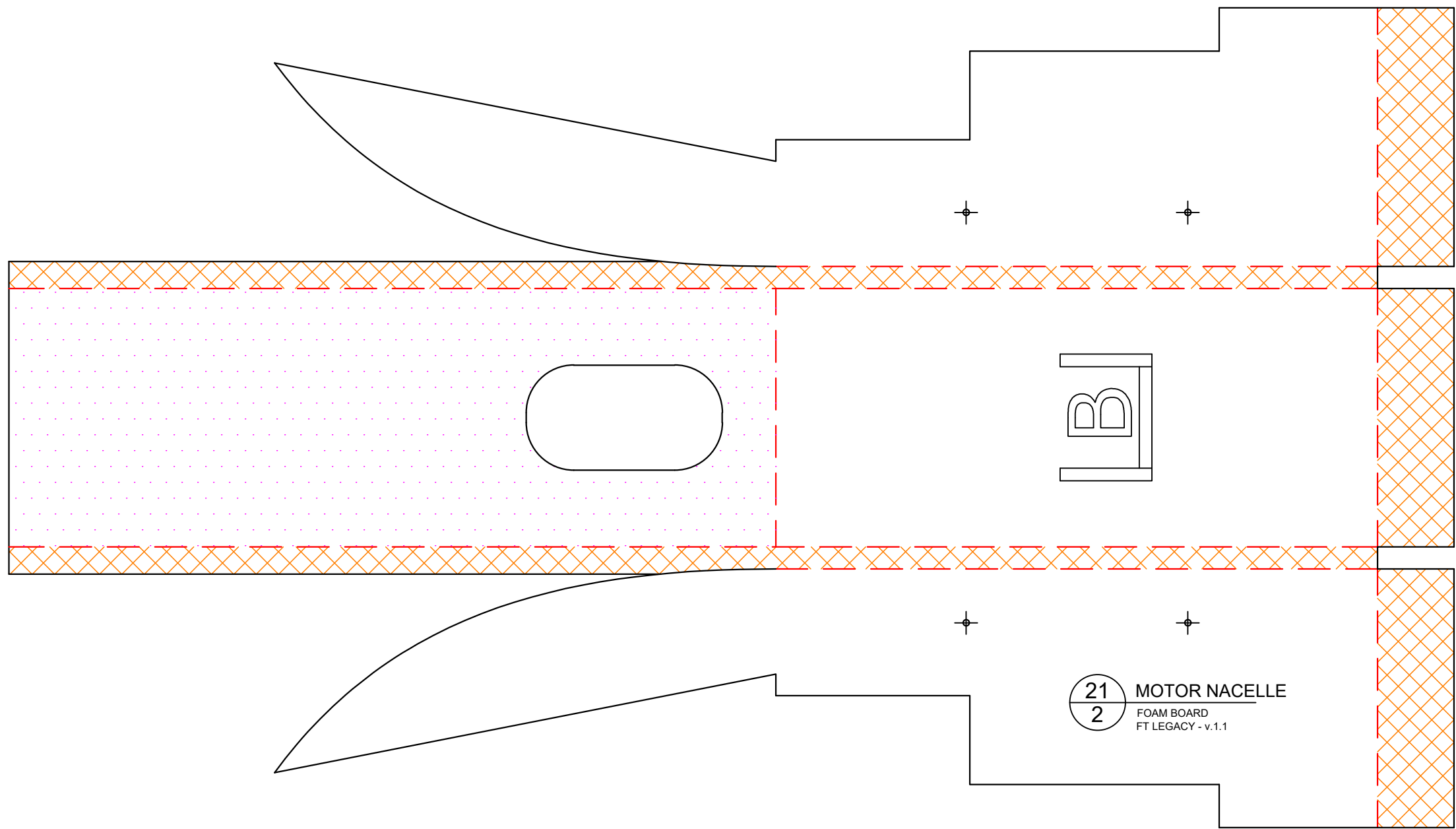


14  
1 VERITCAL STABILIZER  
FOAM BOARD  
FT LEGACY - v.1.1

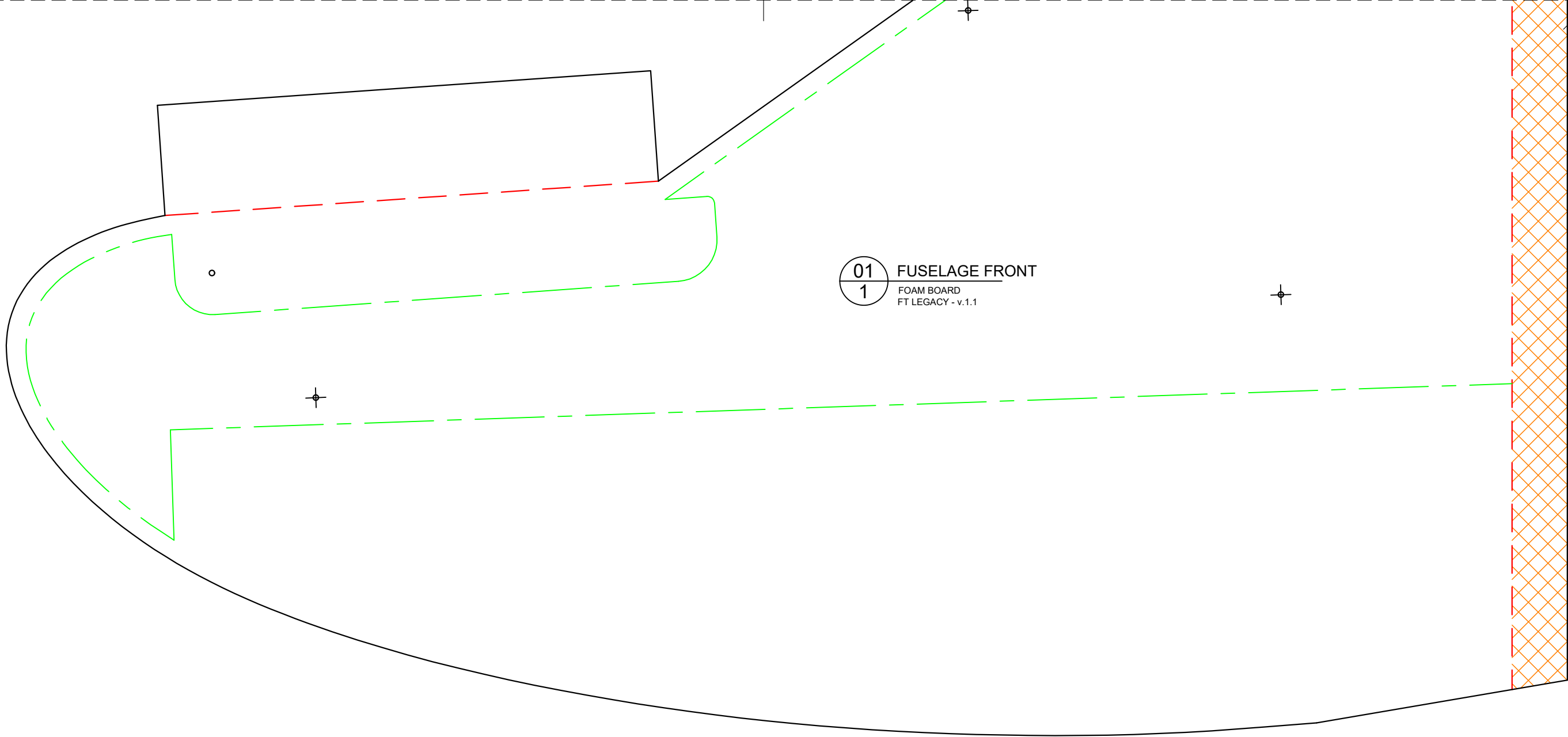
23  
2 POWER POD - TWIN  
FOAM BOARD  
FT LEGACY - v.1.1

23  
2 POWER POD - TWIN  
FOAM BOARD  
FT LEGACY - v.1.1



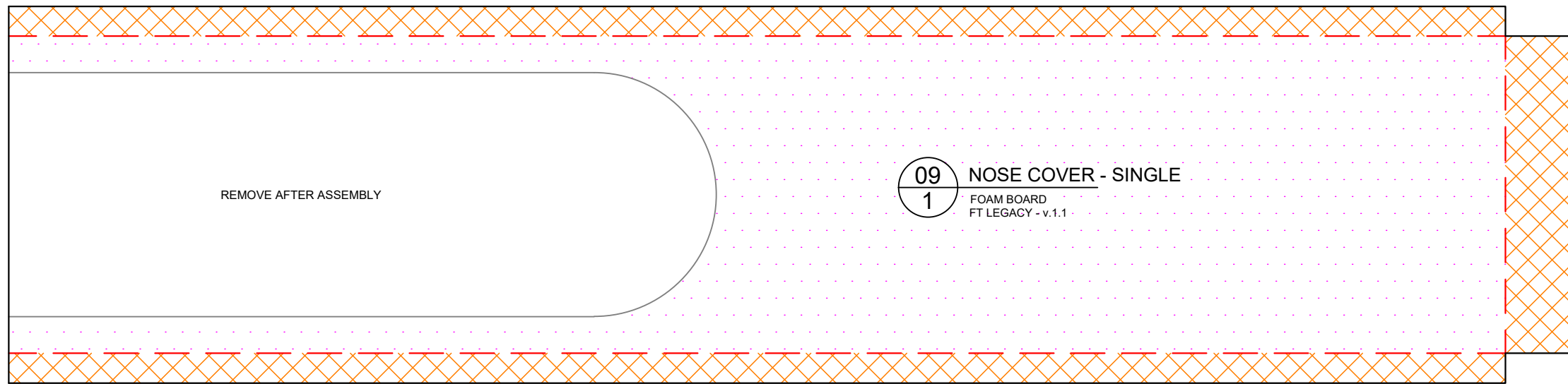


21  
2 MOTOR NACELLE  
FOAM BOARD  
FT LEGACY - v.1.1



01  
1

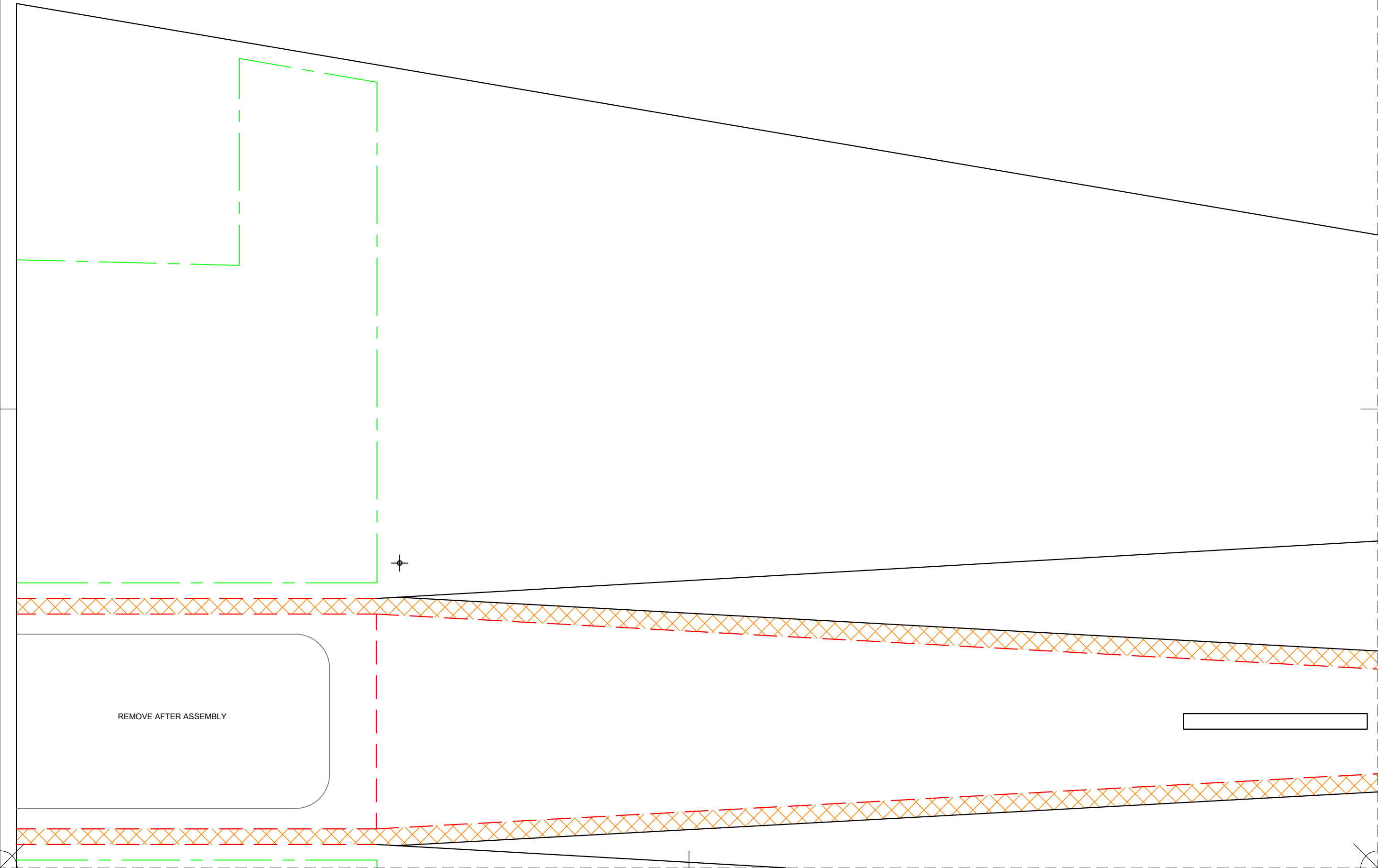
FUSELAGE FRONT  
FOAM BOARD  
FT LEGACY - v.1.1

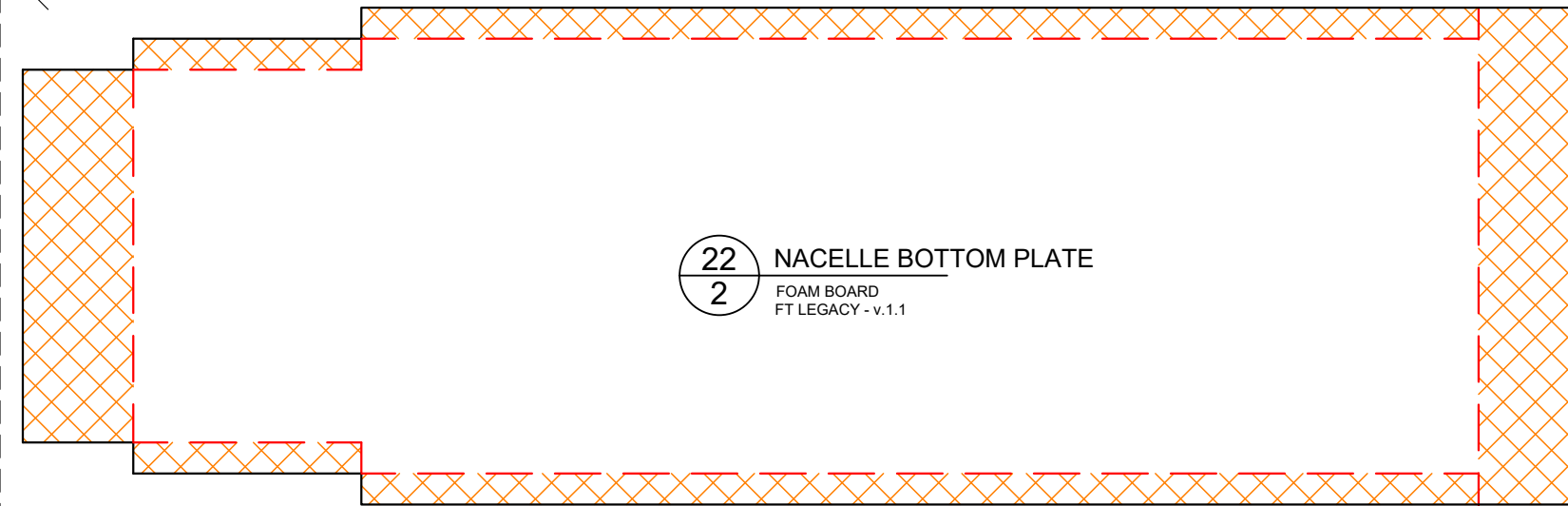


09  
1

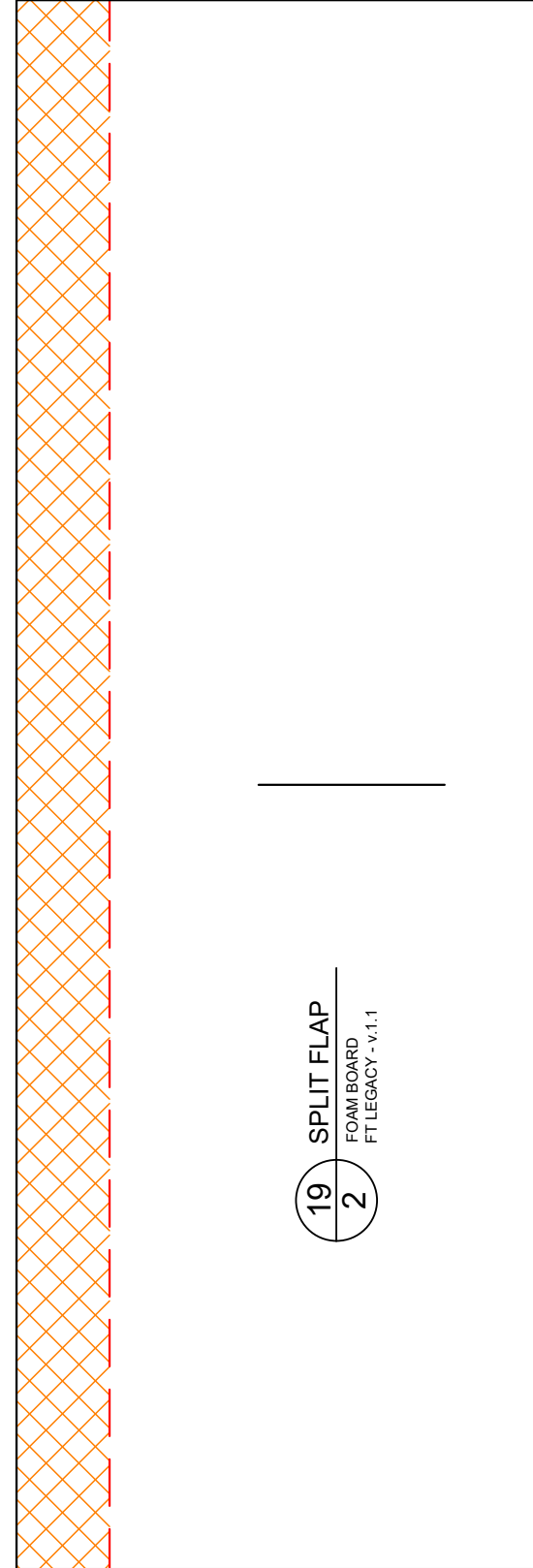
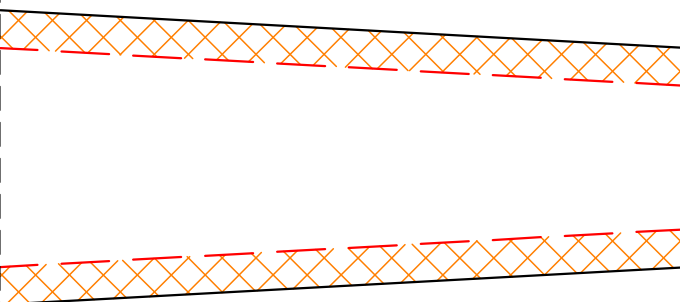
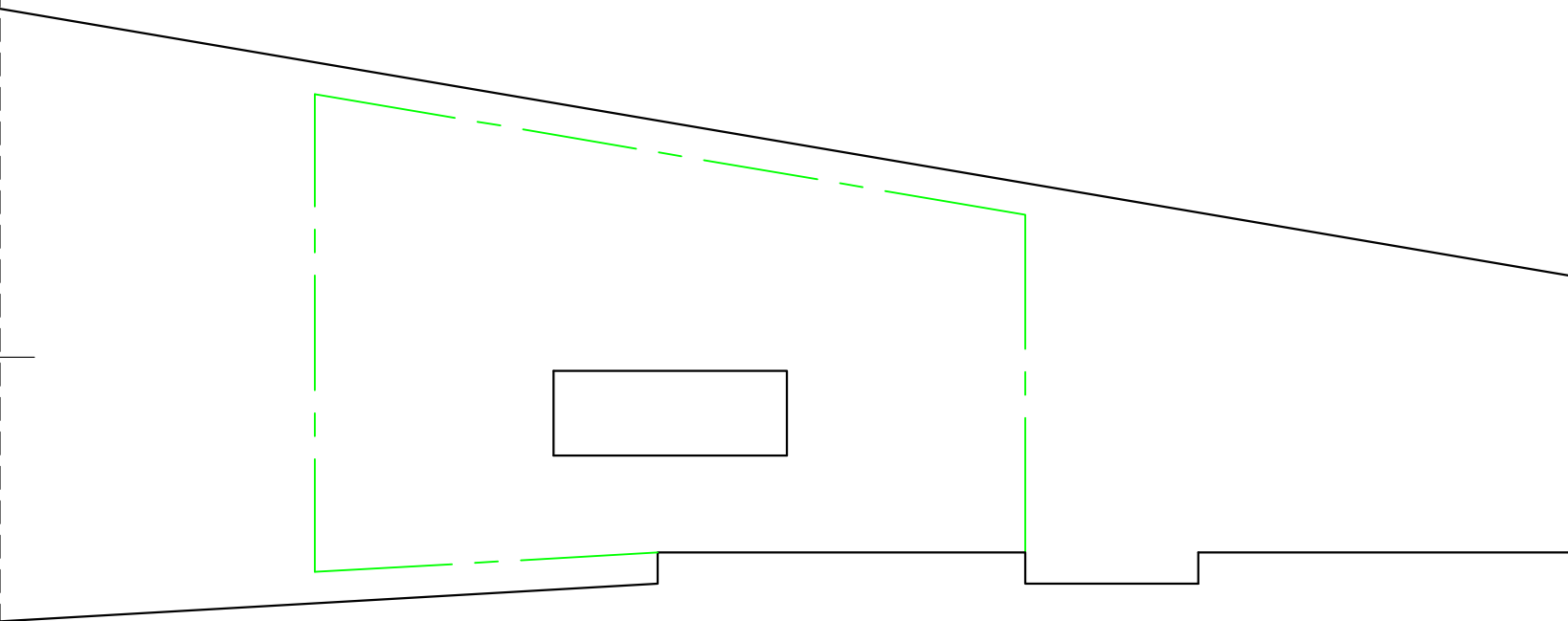
NOSE COVER - SINGLE  
FOAM BOARD  
FT LEGACY - v.1.1

REMOVE AFTER ASSEMBLY

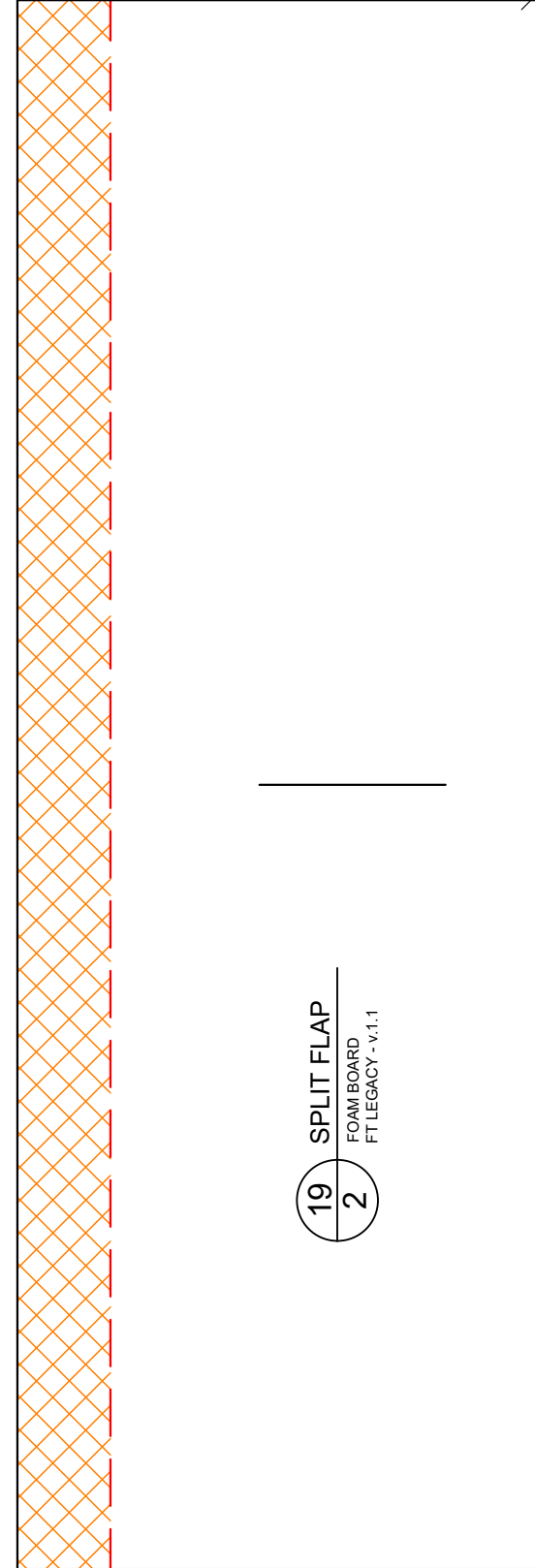




**22**  
**2** NACELLE BOTTOM PLATE  
FOAM BOARD  
FT LEGACY - v.1.1



**19**  
**2** SPLIT FLAP  
FOAM BOARD  
FT LEGACY - v.1.1



**19**  
**2** SPLIT FLAP  
FOAM BOARD  
FT LEGACY - v.1.1

02  
1

FUSELAGE REAR

FOAM BOARD  
FT LEGACY - v.1.1

REMOVE AFTER ASSEMBLY

