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FT Legacy

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

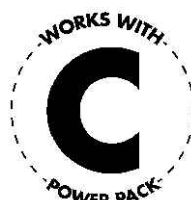
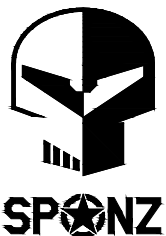


GENERAL SPECIFICATIONS:

LENGTH:	39.50 in		1003 mm
CG:	2.50 in		64 mm
WINGSPAN:	56.50 in		1435 mm
WING AREA:	497.1 in ²		32.1 dm ²
DRY WEIGHT:	39.2 oz.		1111 g
ALL UP WEIGHT:	52.0 oz.		1475 g
WING LOADING:	15.1 oz/ft ²		46 g/dm ²
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:

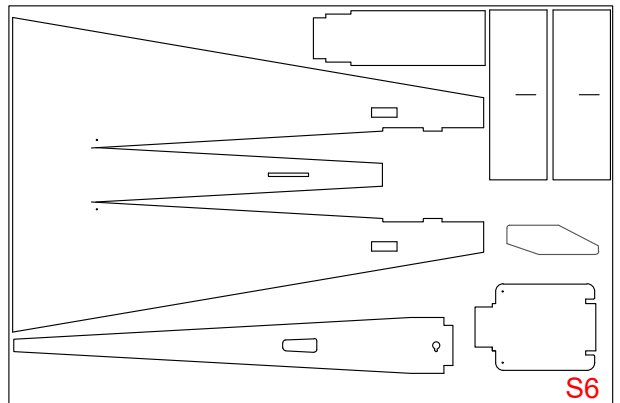
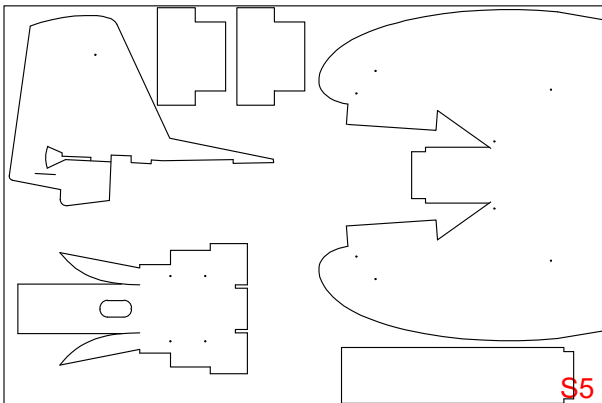
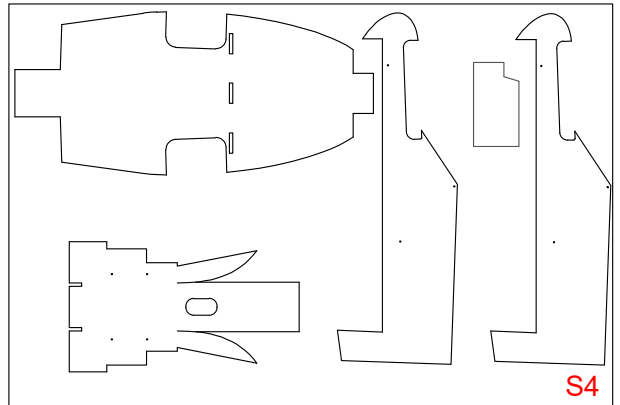
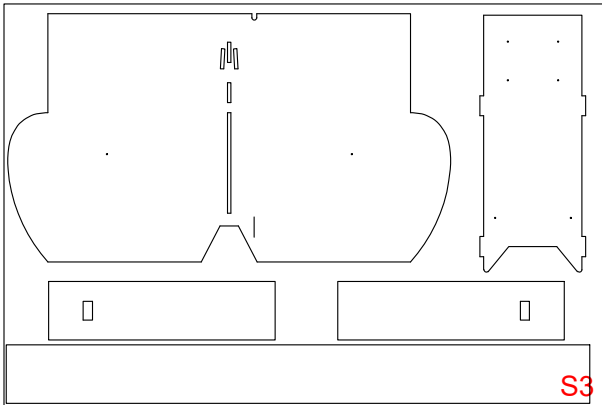
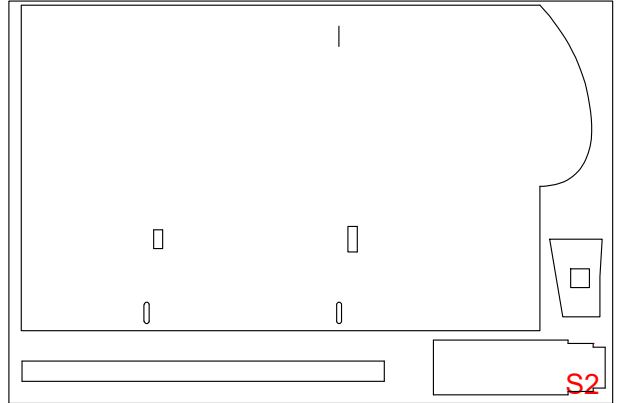
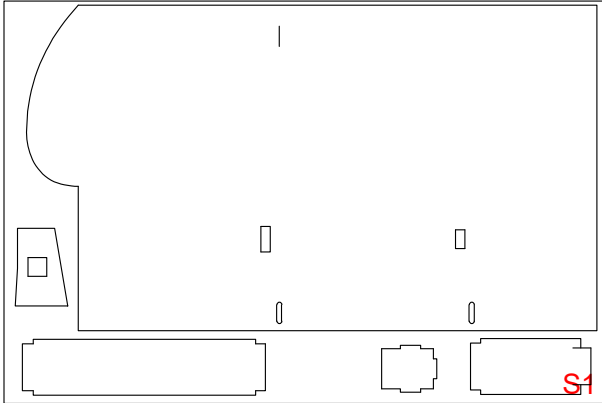


PILOT SKILL LEVEL:



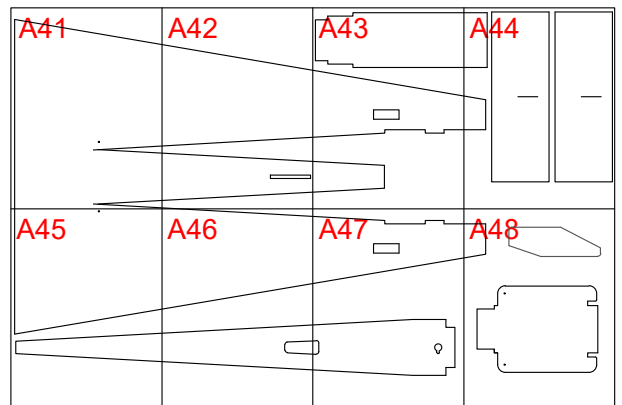
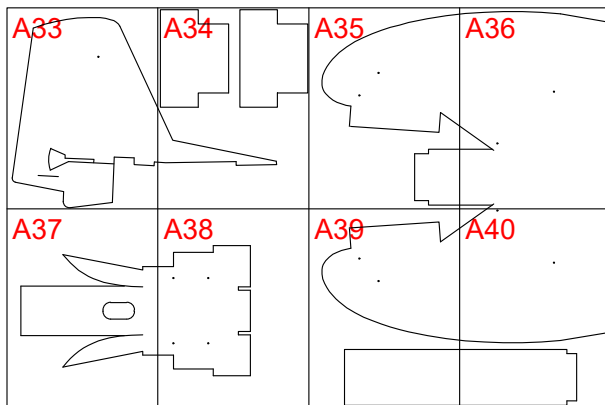
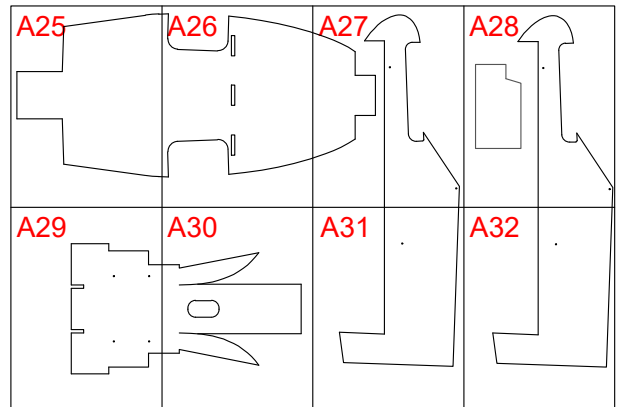
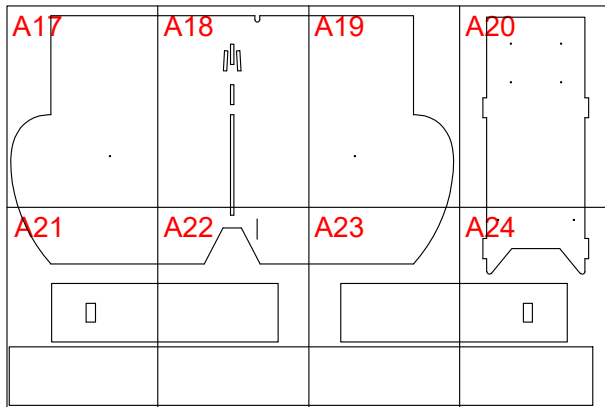
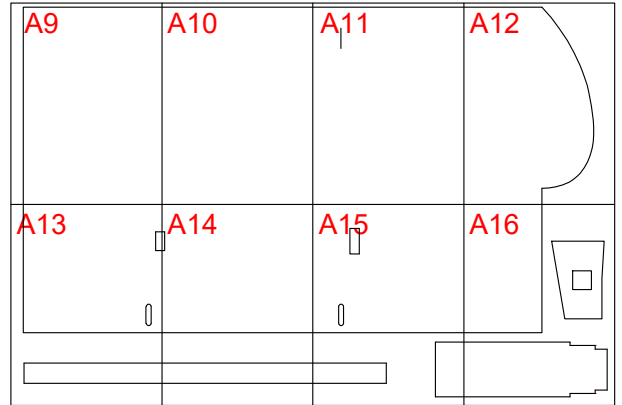
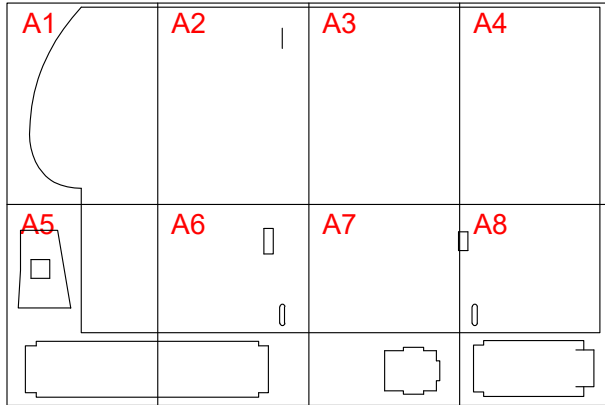


FT Legacy: Full-Size Key



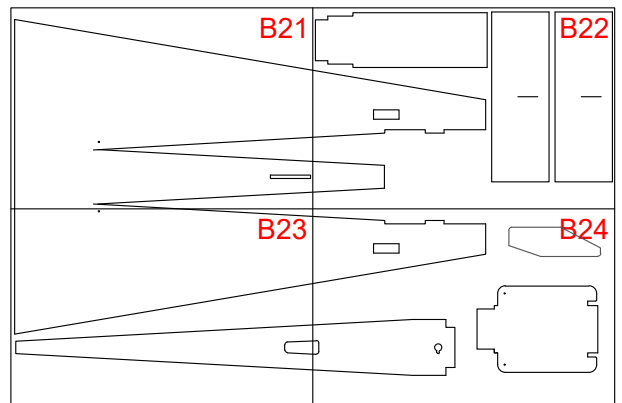
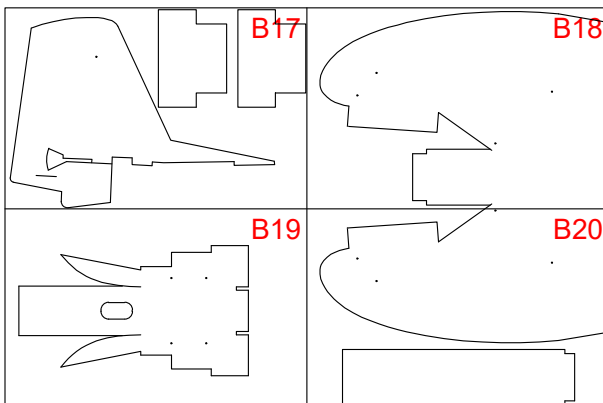
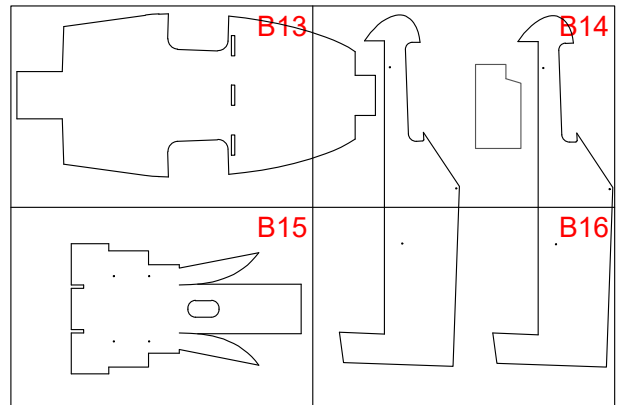
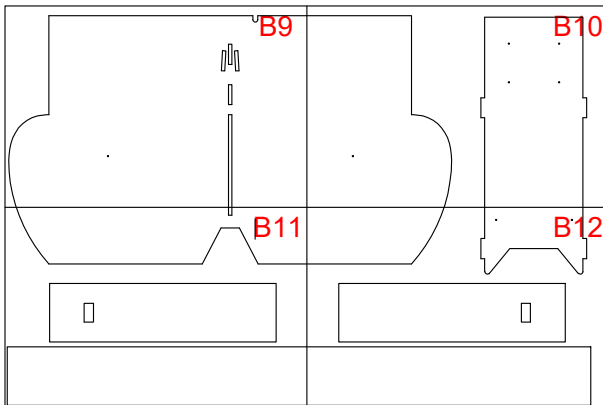
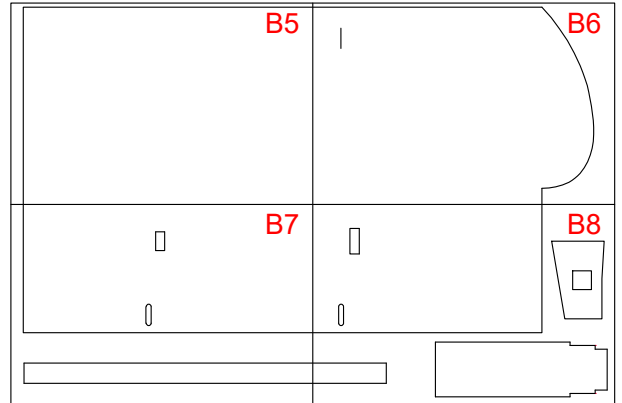
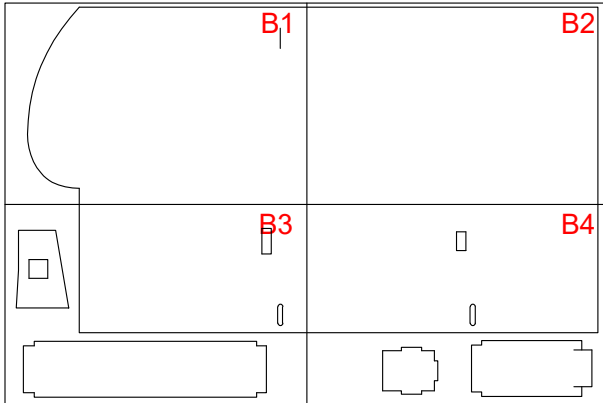


FT Legacy: Tile A Key





FT Legacy: Tile B Key

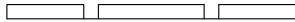
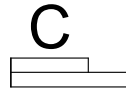
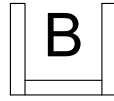




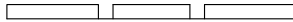
Drawing Key



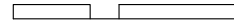
FOLD TYPES



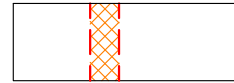
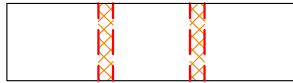
A - FOLD (ABOVE)



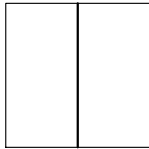
B - FOLD (BESIDE)



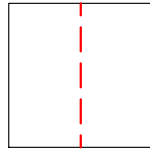
C - FOLD (COVER)



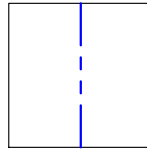
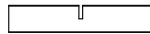
LINE TYPE/COLOR



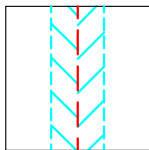
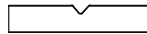
CUT



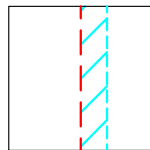
50% SCORE



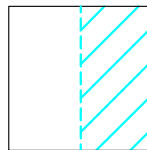
CREASE



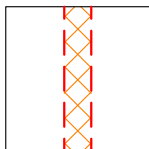
45° DOUBLE BEVEL



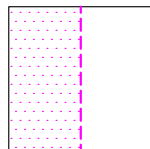
45° SINGLE BEVEL



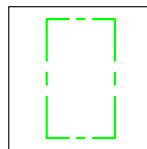
EDGE BEVEL



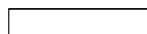
CAVITY



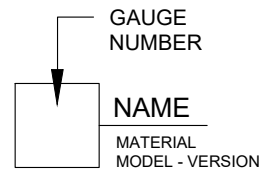
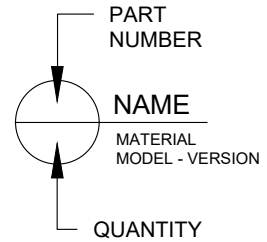
REMOVE PAPER



REFERENCE/
OPTIONAL



SYMBOLS



CENTER OF GRAVITY (CG)

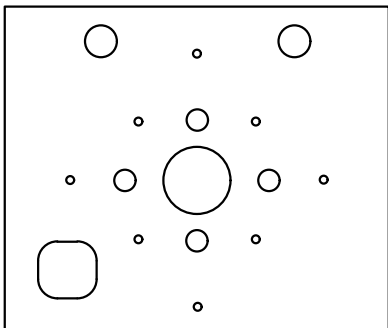
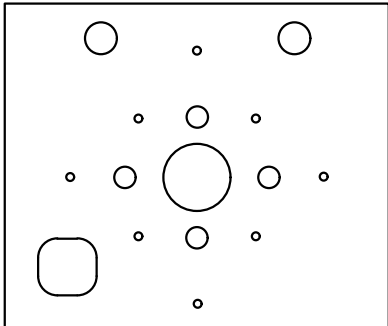
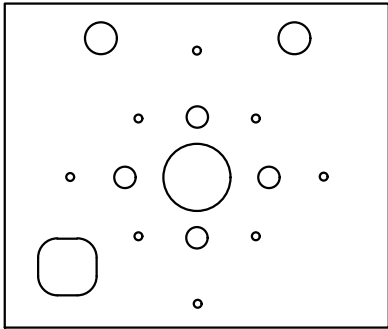


FT Legacy: Wood Parts

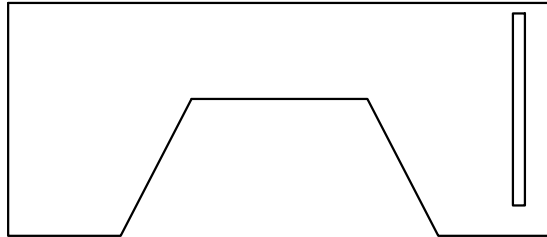


HOBBY GRADE PLYWOOD
3/32" (2.4 mm) THICK

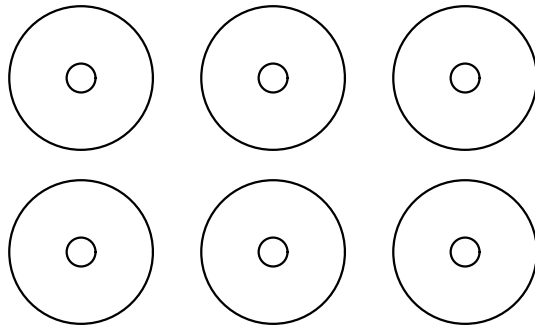
FT STANDARD FIREWALL



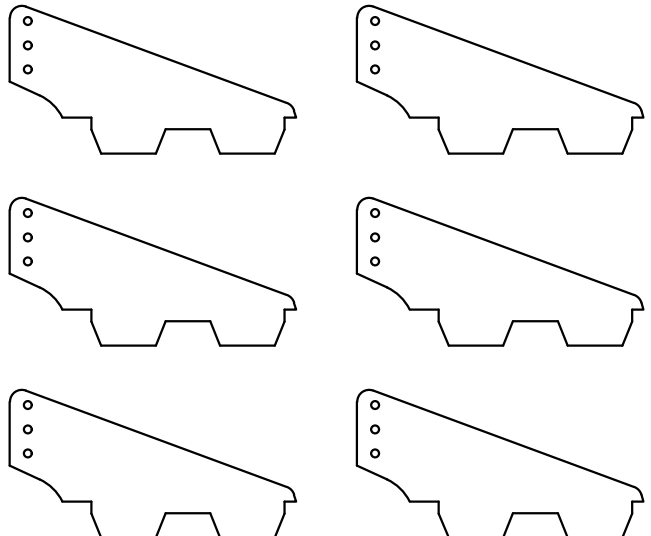
ELEVATOR SUPPORT



FT REINFORCEMENT DISCS



FT STANDARD CONTROL HORN



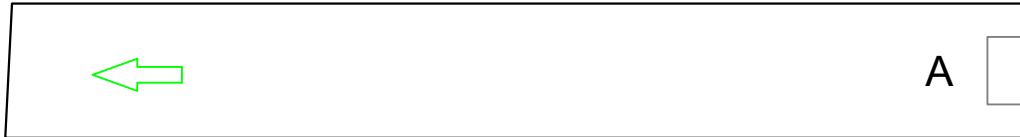


FT Legacy: Wood Parts

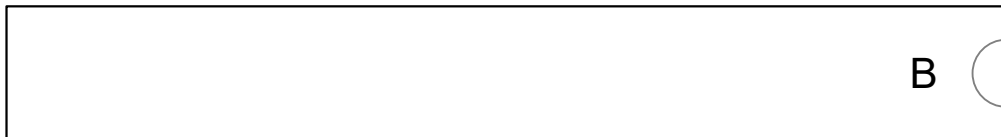
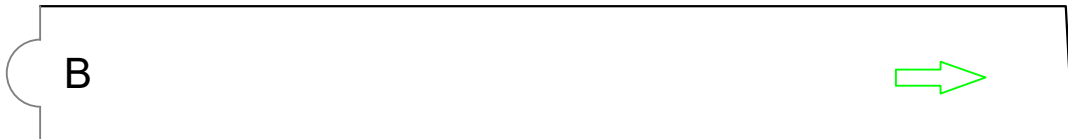


HOBBY GRADE PLYWOOD
3/32" (2.4 mm) THICK

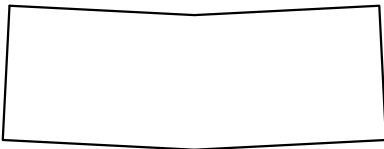
WOOD SPAR A



WOOD SPAR B



WOOD SPAR JOINER

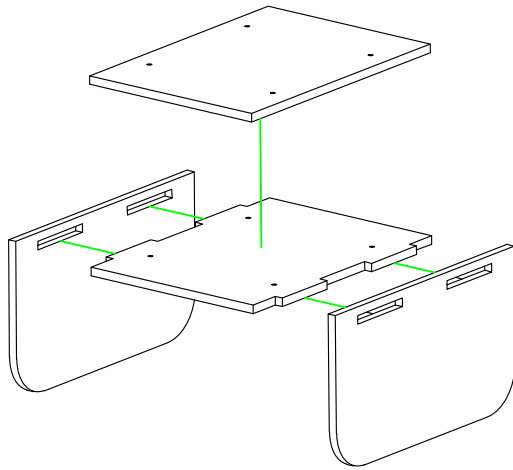




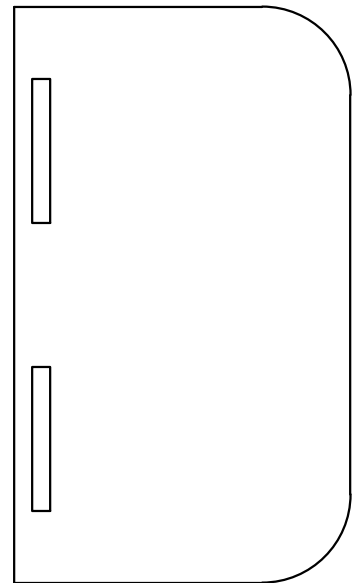
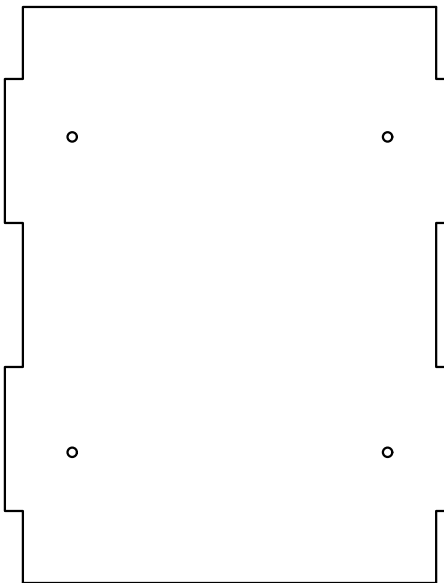
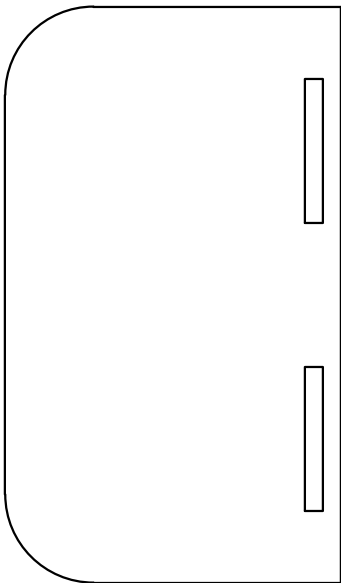
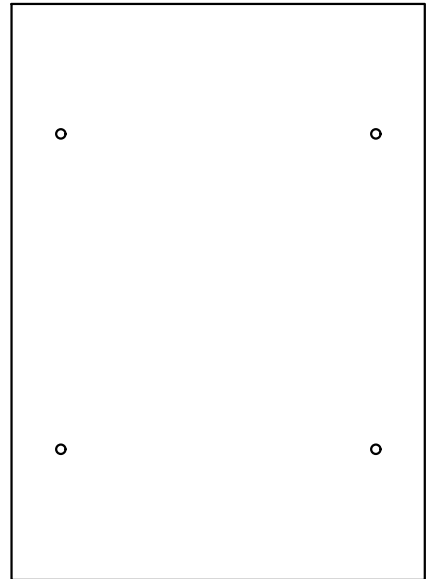
FT Legacy: Wood Parts



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



GLUE ASSEMBLY TOGETHER
USING CA OR INSTANT GLUE





FT Legacy: VINYL WINDOWS



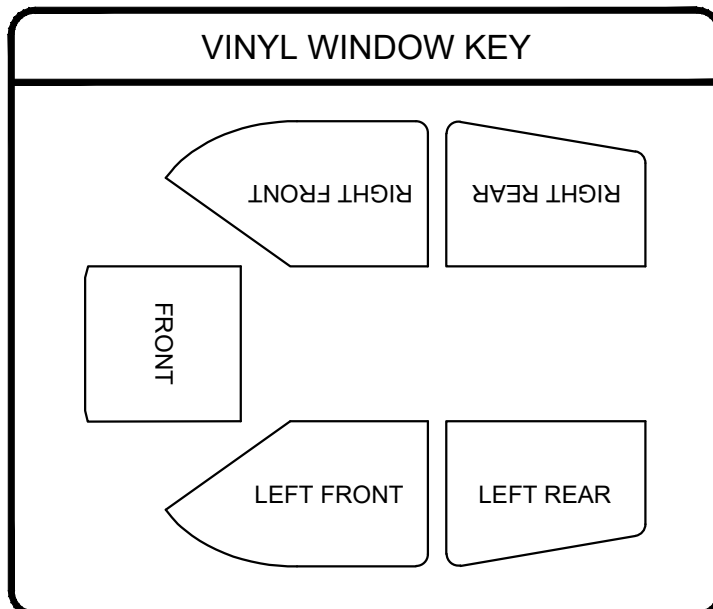
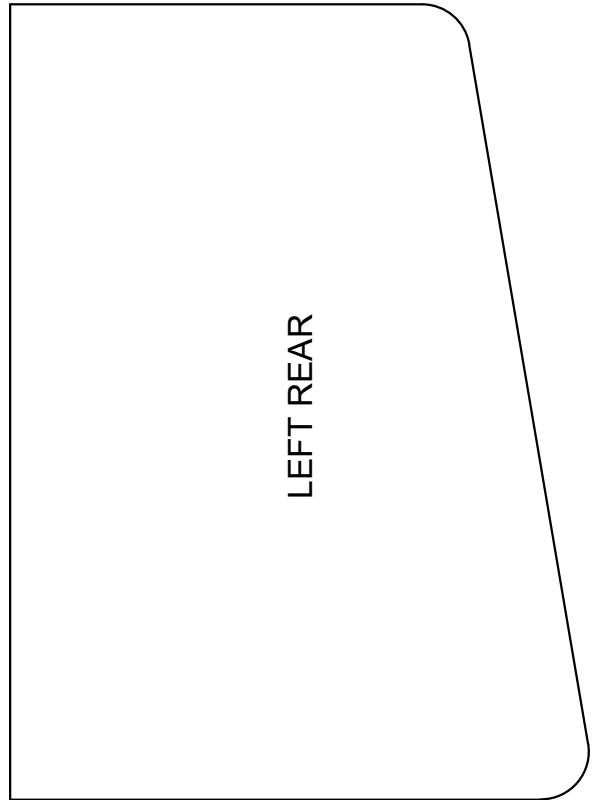
RIGHT FRONT

LEFT FRONT

FRONT

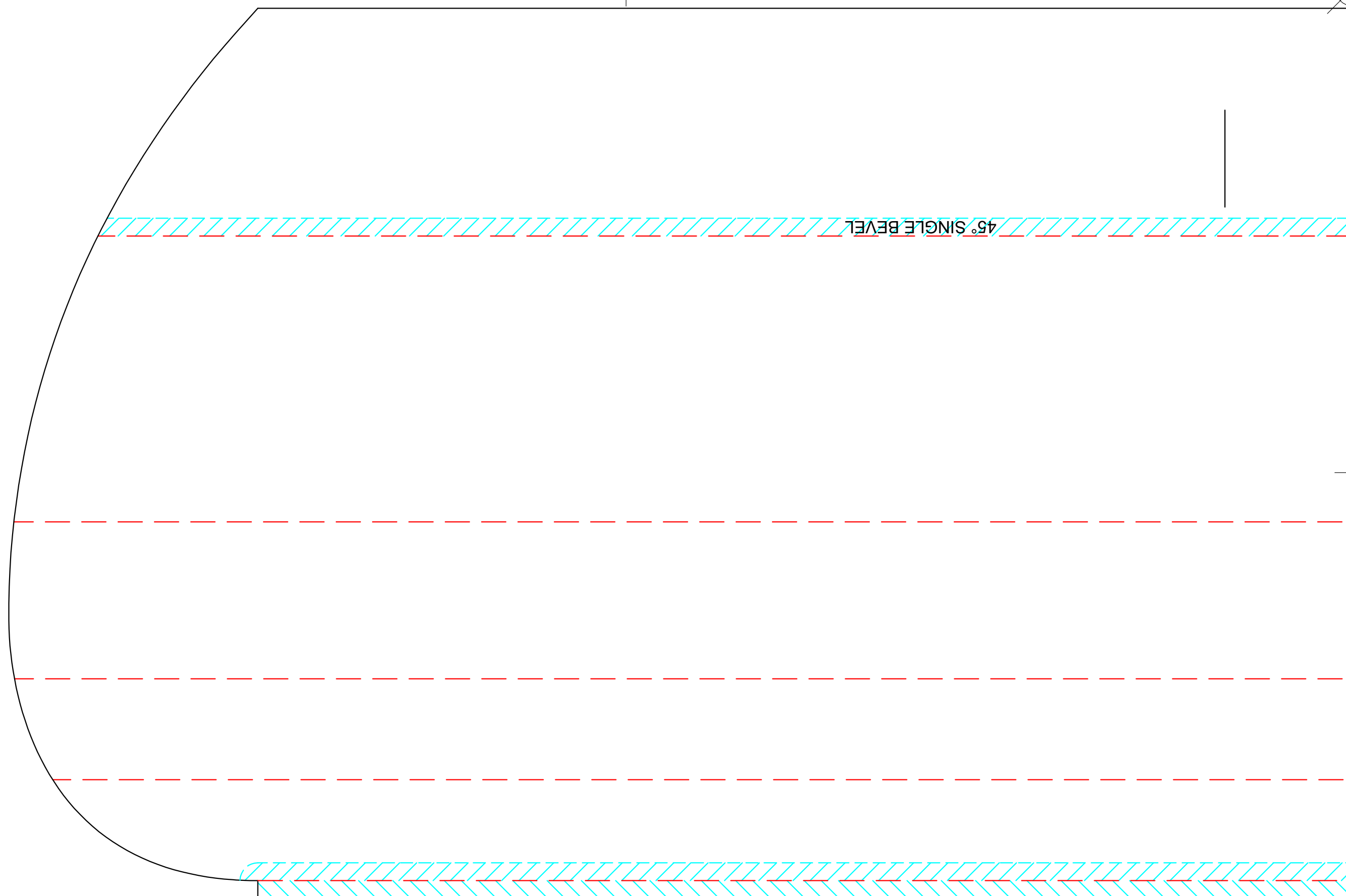


FT Legacy: VINYL WINDOWS

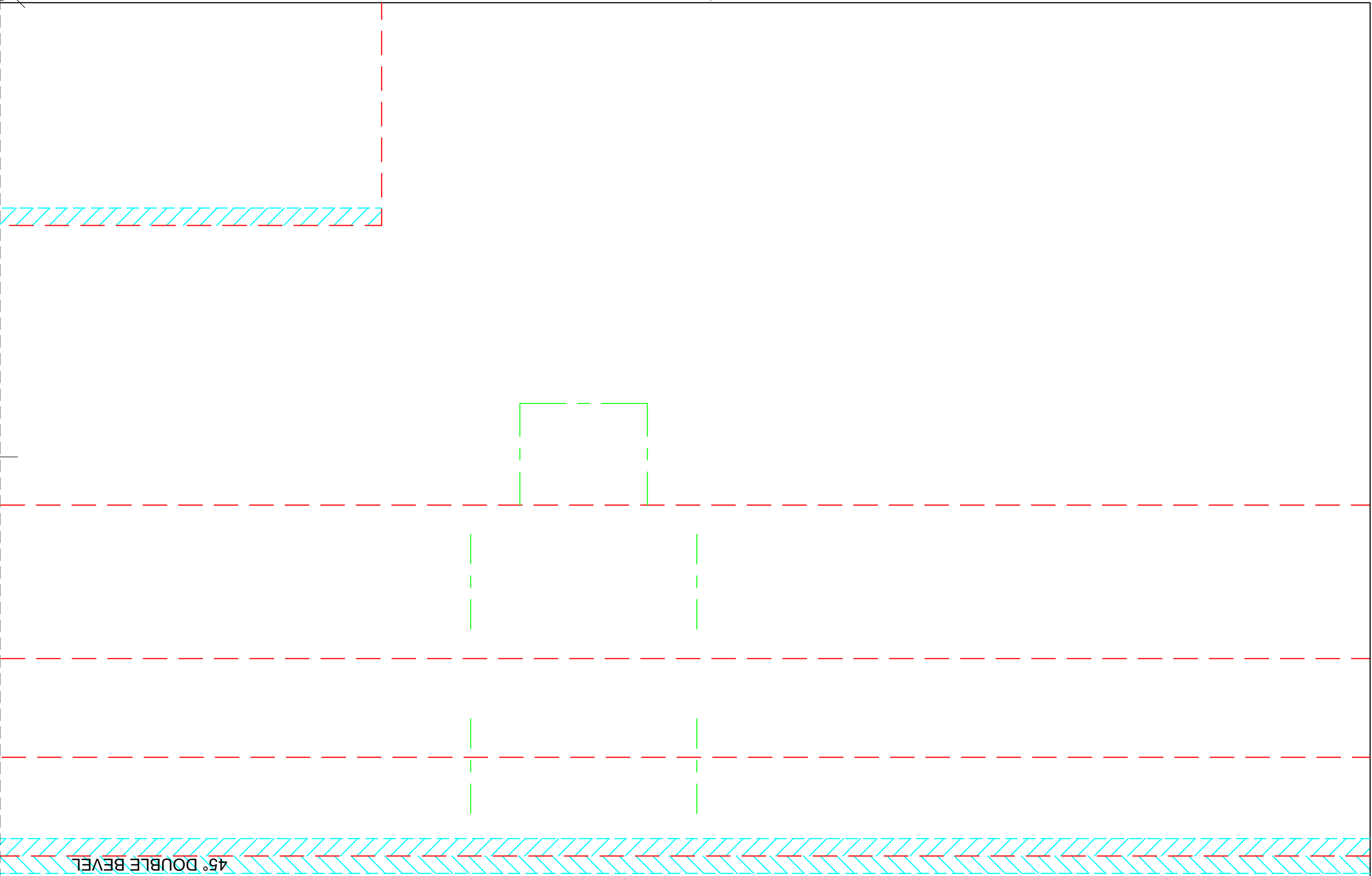




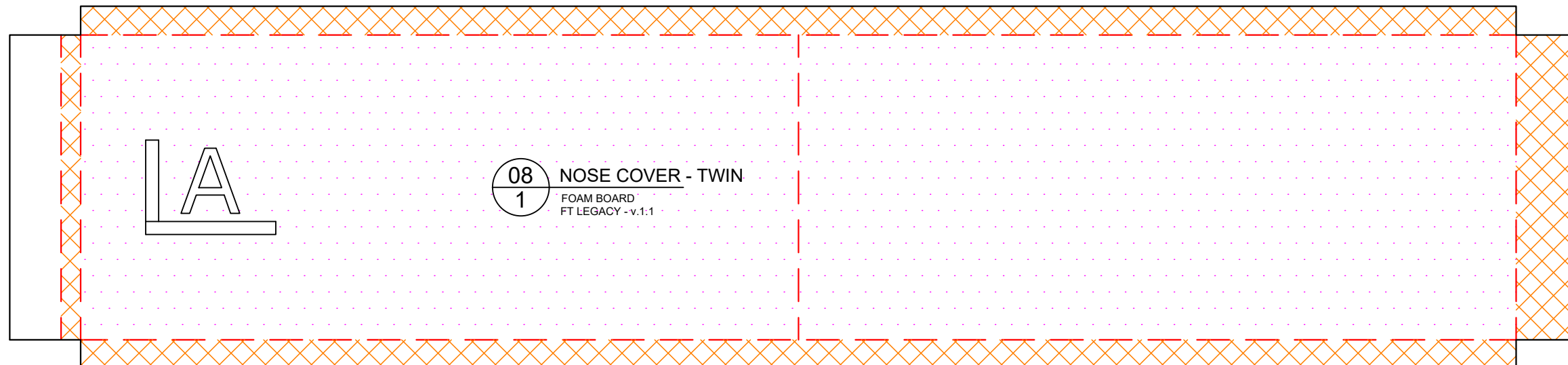
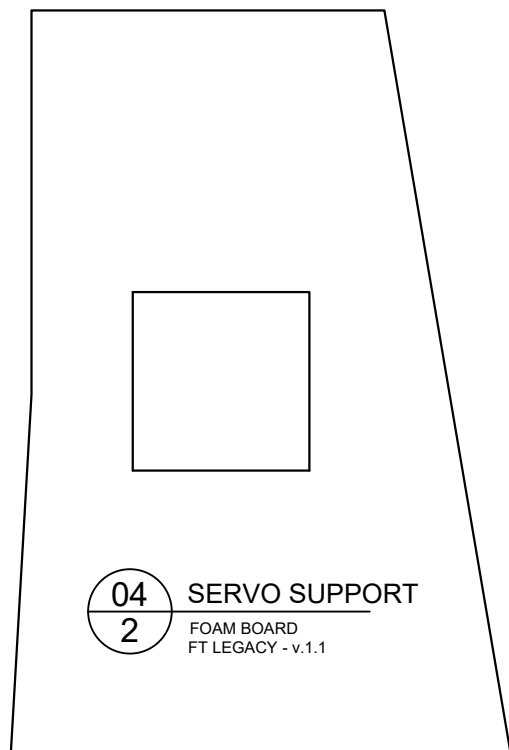
IN
CM



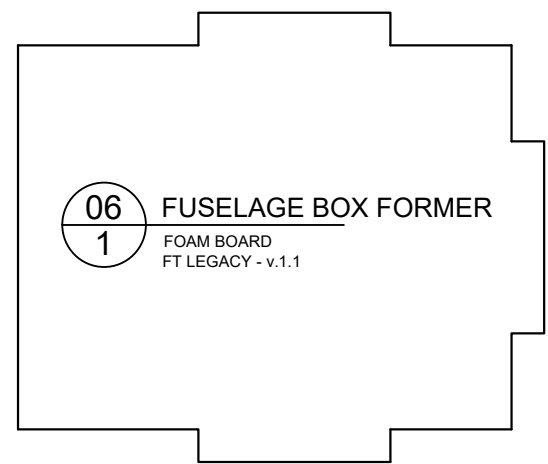
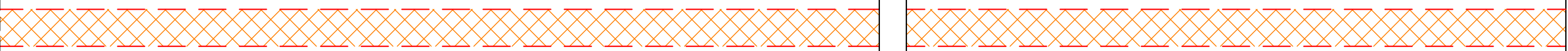
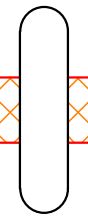
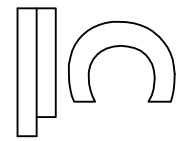
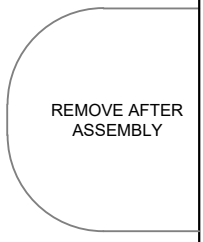
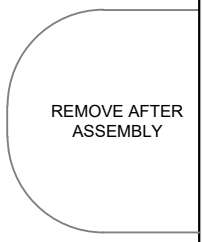
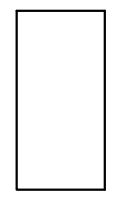
45° SINGLE BEVEL



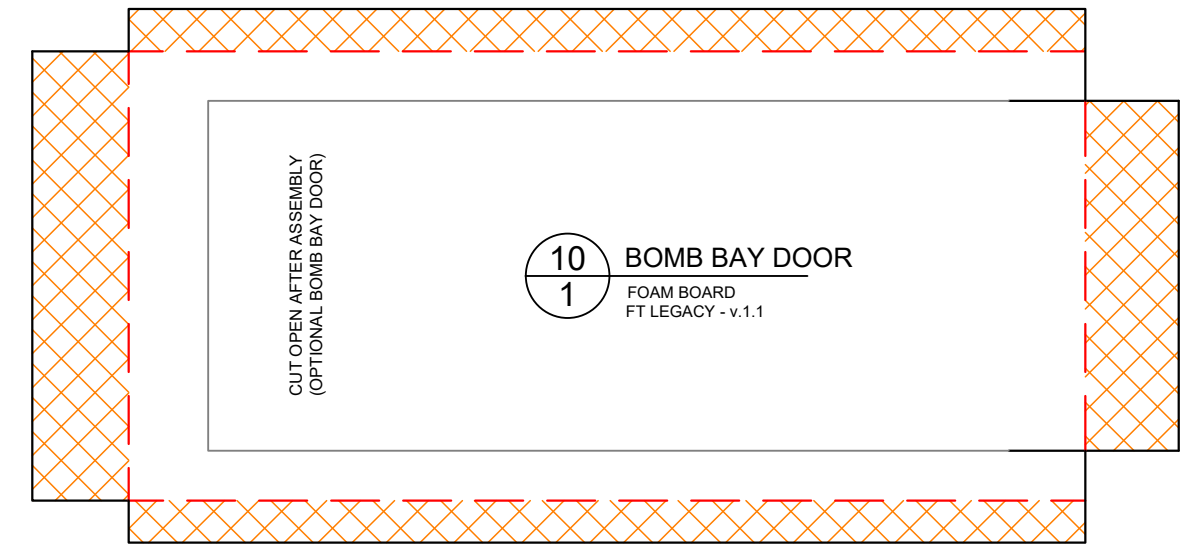
45° DOUBLE BEVEL



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

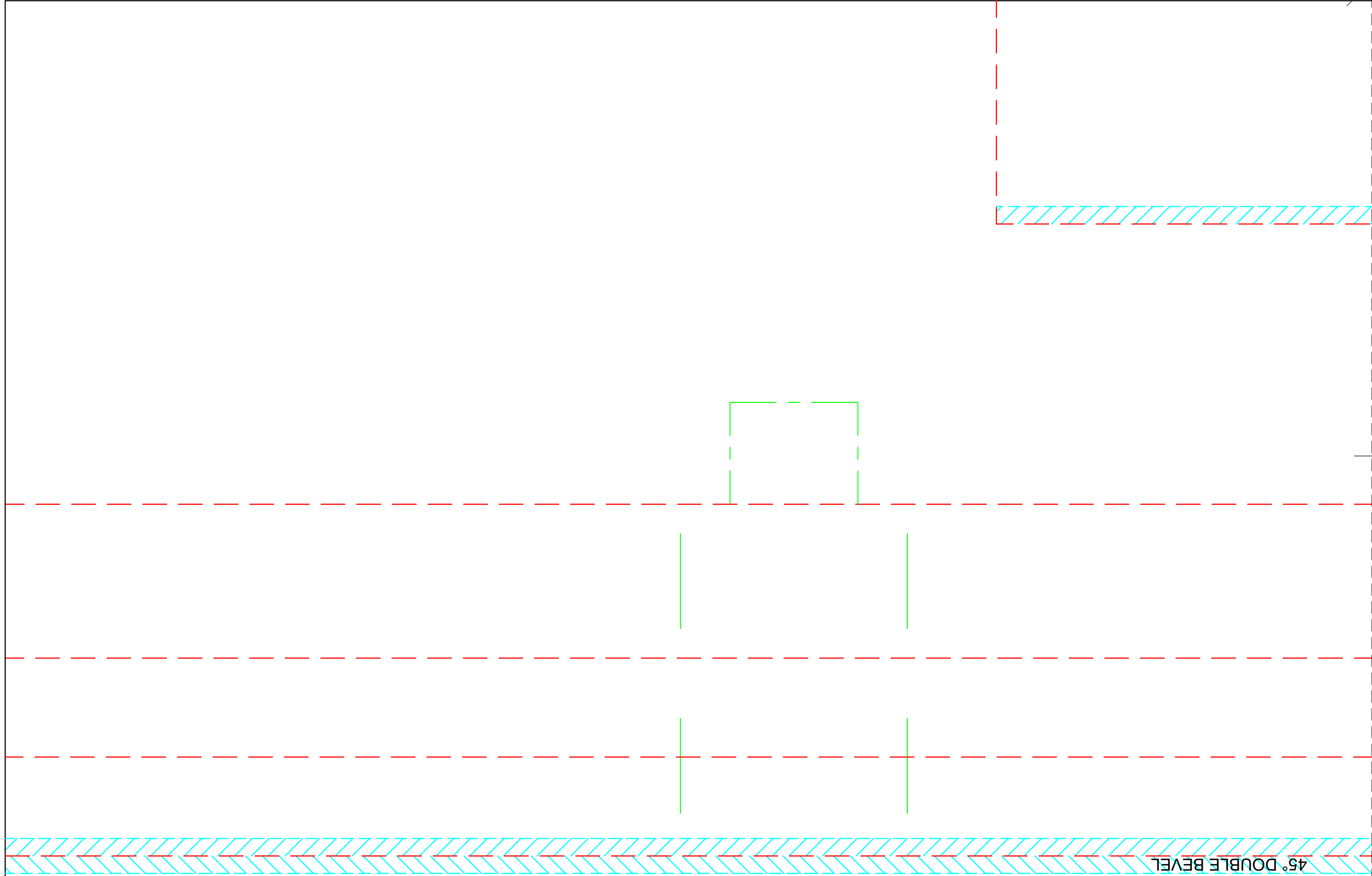


06 FUSELAGE BOX FORMER
1 FOAM BOARD
FT LEGACY - v.1.1



CUT OPEN AFTER ASSEMBLY
(OPTIONAL BOMB BAY DOOR)

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





45° SINGLE BEVEL

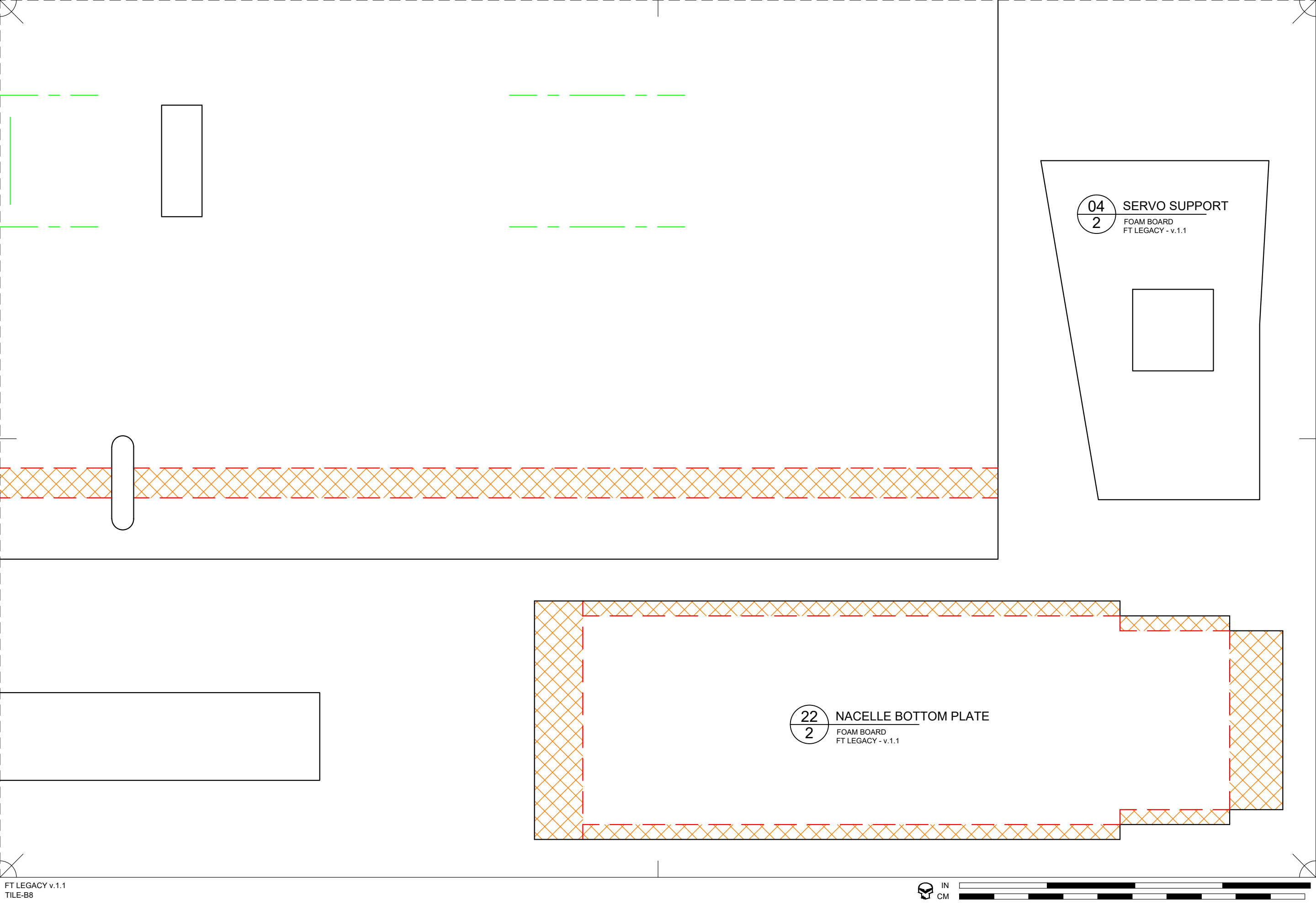
REMOVE AFTER ASSEMBLY

REMOVE AFTER ASSEMBLY

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

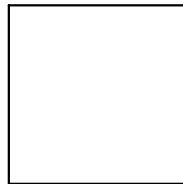
13 HORIZONTAL STABILIZER SPAR
1 FOAM BOARD
FT LEGACY - v.1.1





04
2

SERVO SUPPORT
FOAM BOARD
FT LEGACY - v.1.1

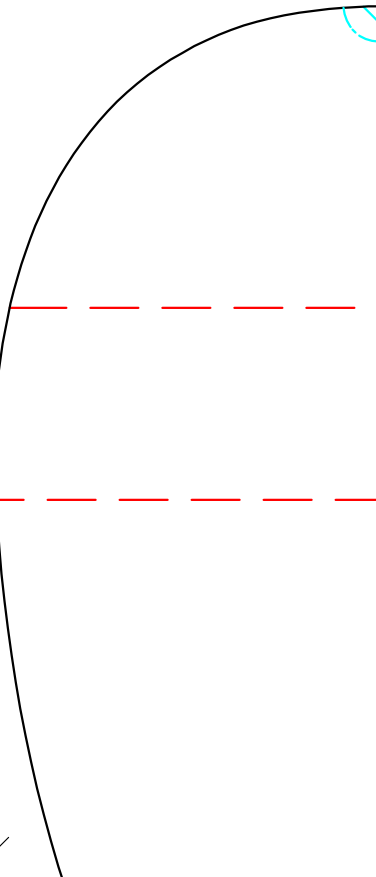


22
2

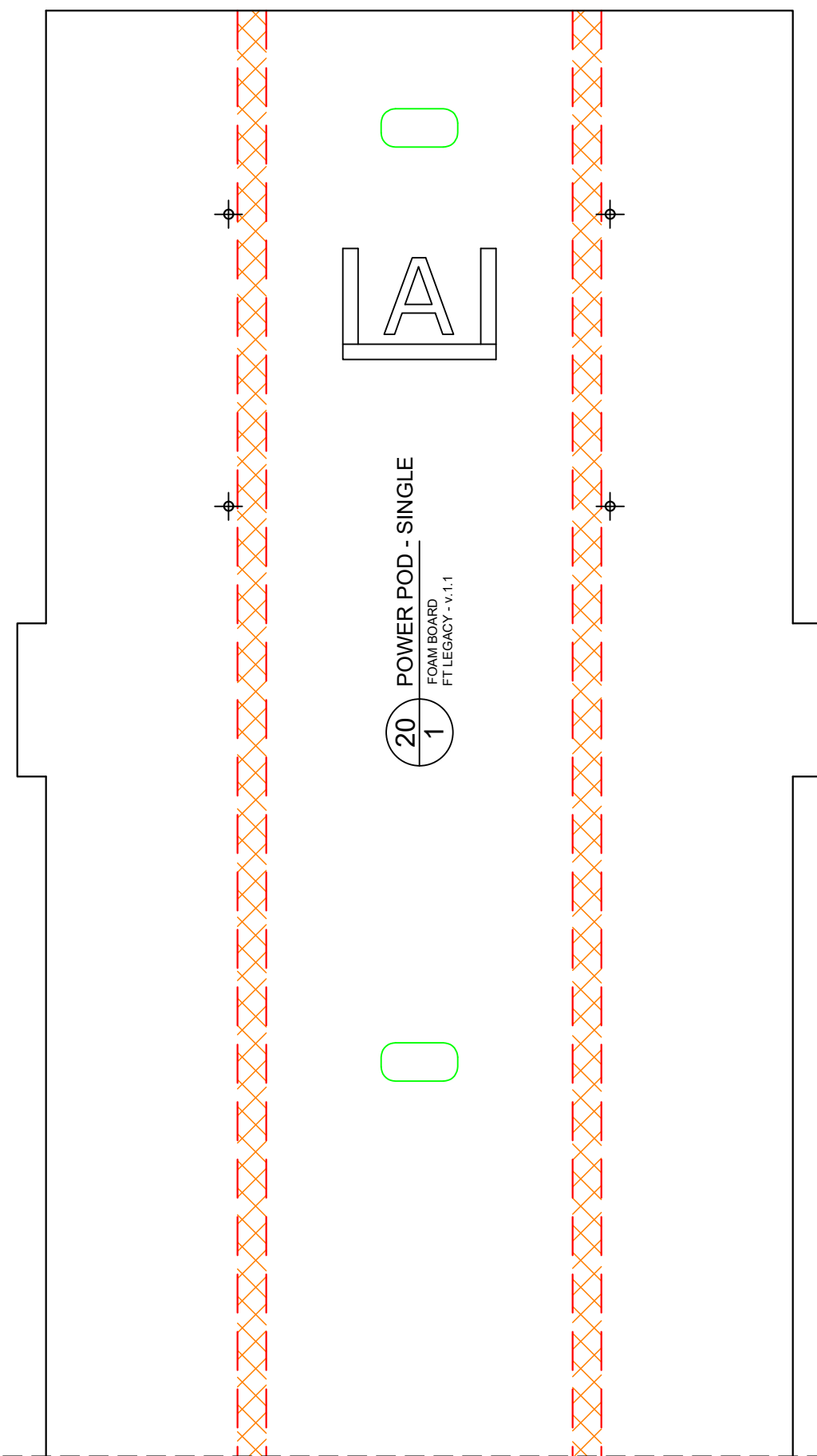
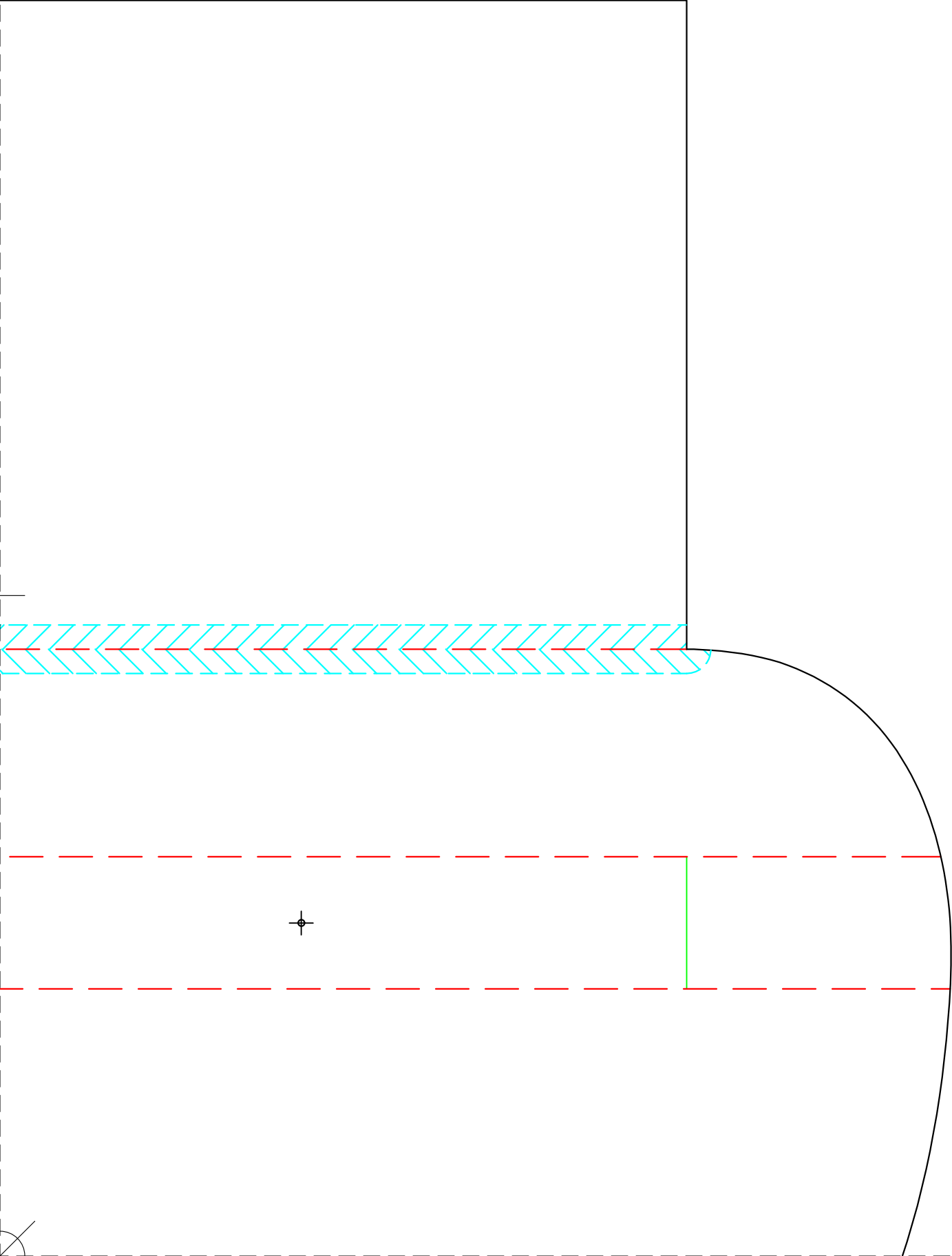
NACELLE BOTTOM PLATE
FOAM BOARD
FT LEGACY - v.1.1



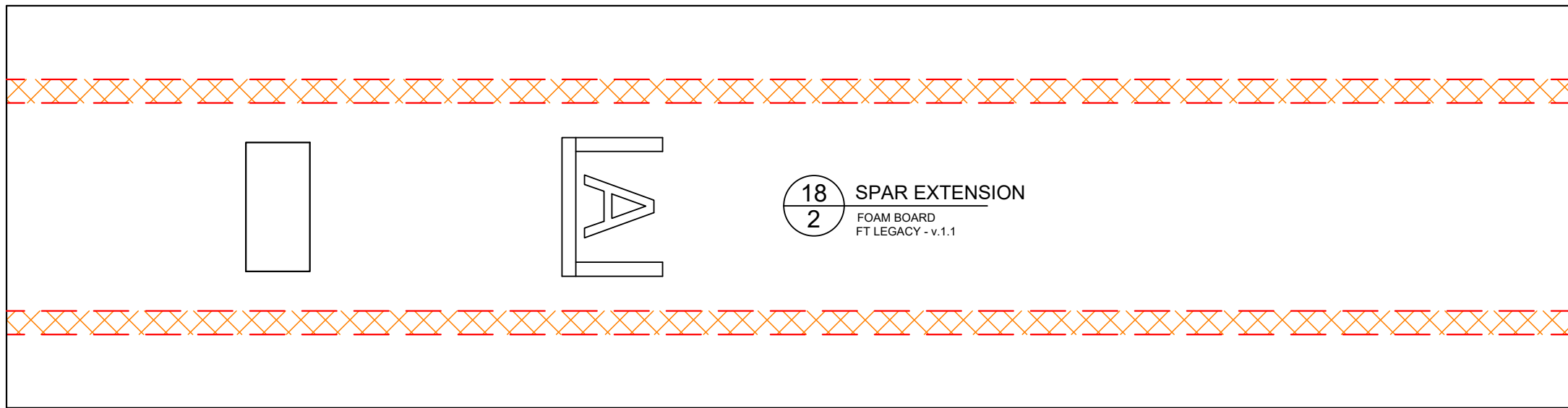
45° DOUBLE BEVEL



12 HORIZONTAL STABILIZER
1 FOAM BOARD
FT LEGACY - v.1.1

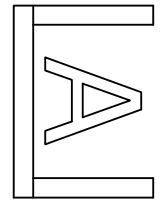


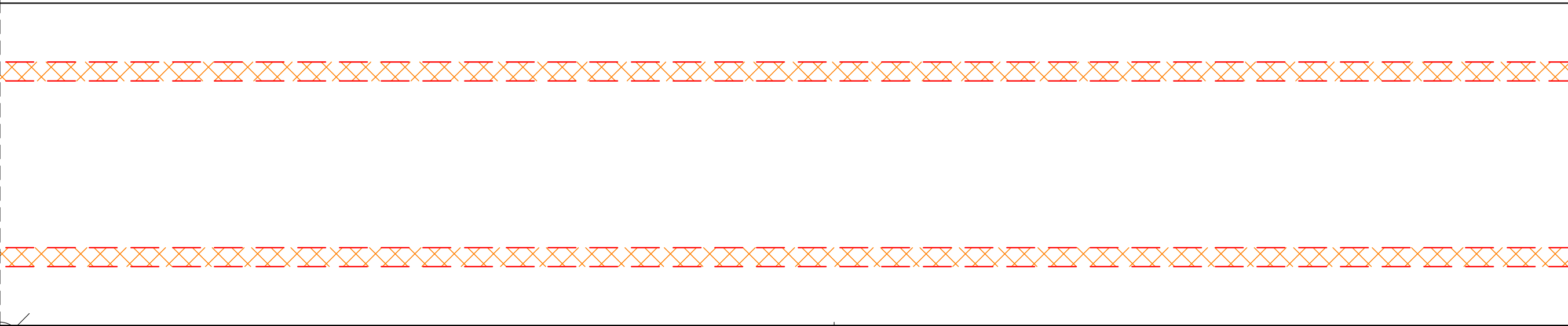
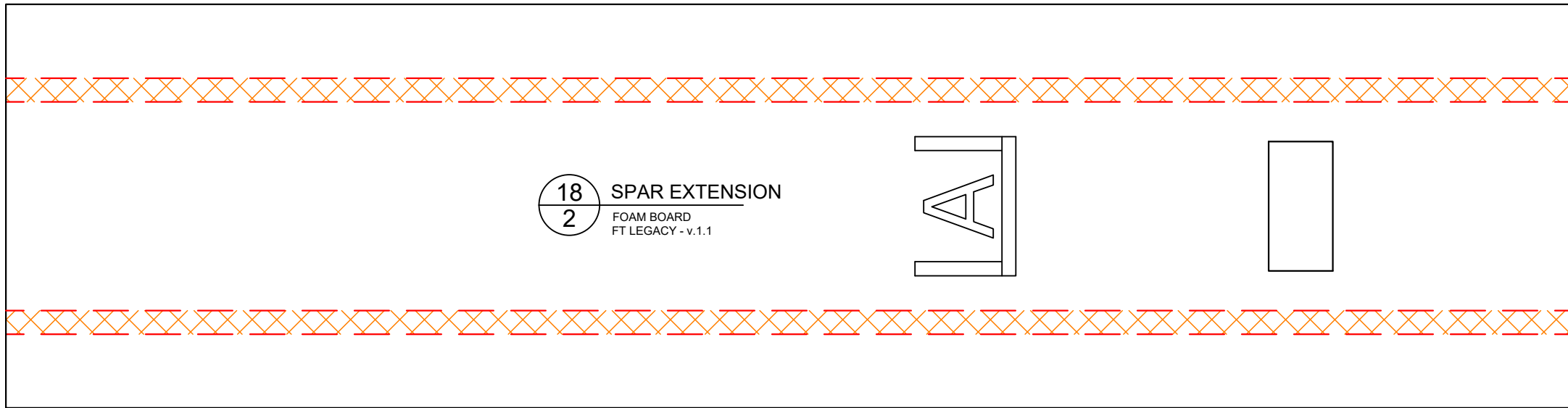
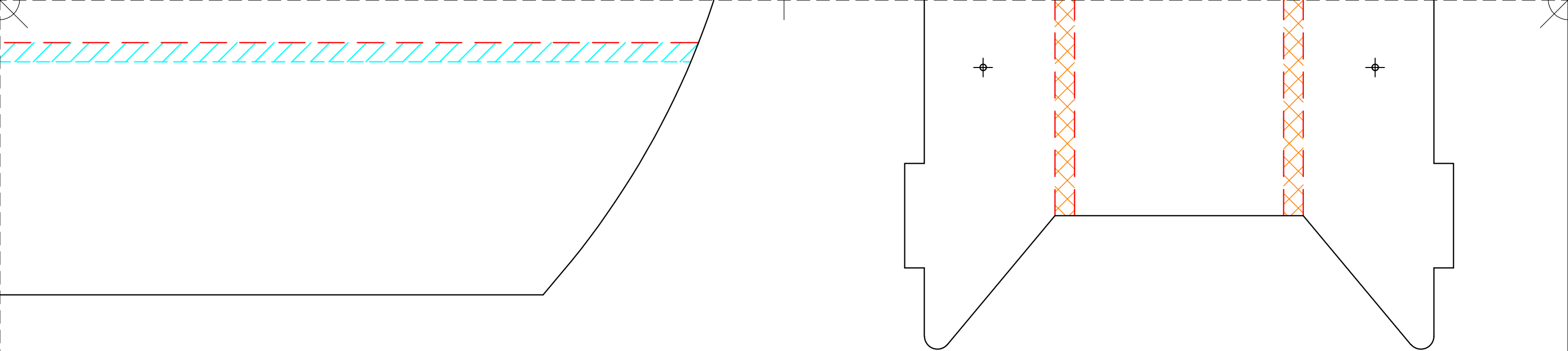
45° SINGLE BEVEL

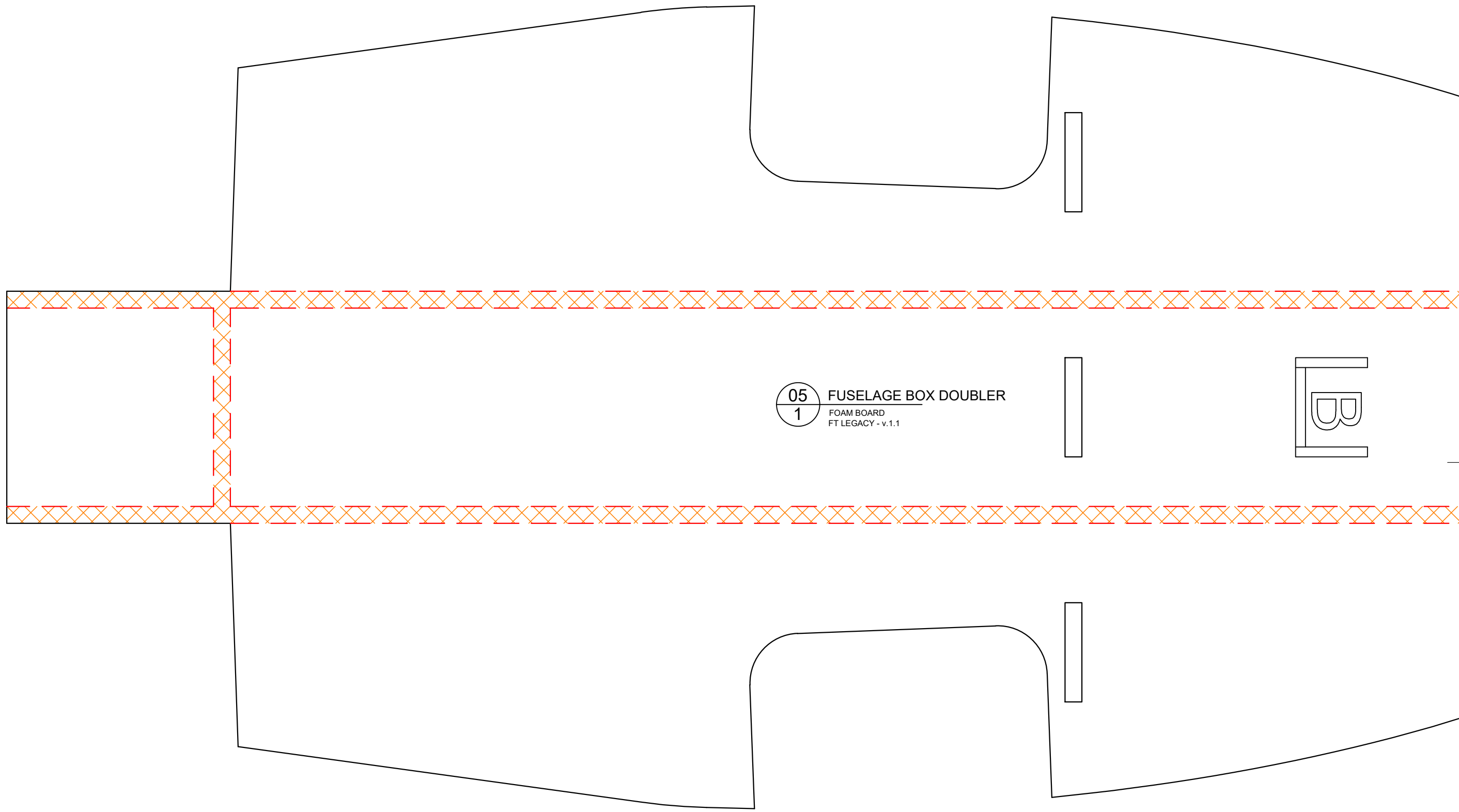


18 SPAR EXTENSION
FOAM BOARD
FT LEGACY - v.1.1

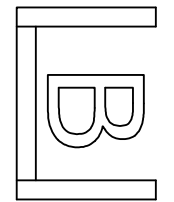
17 MAIN SPAR
FOAM BOARD
FT LEGACY - v.1.1

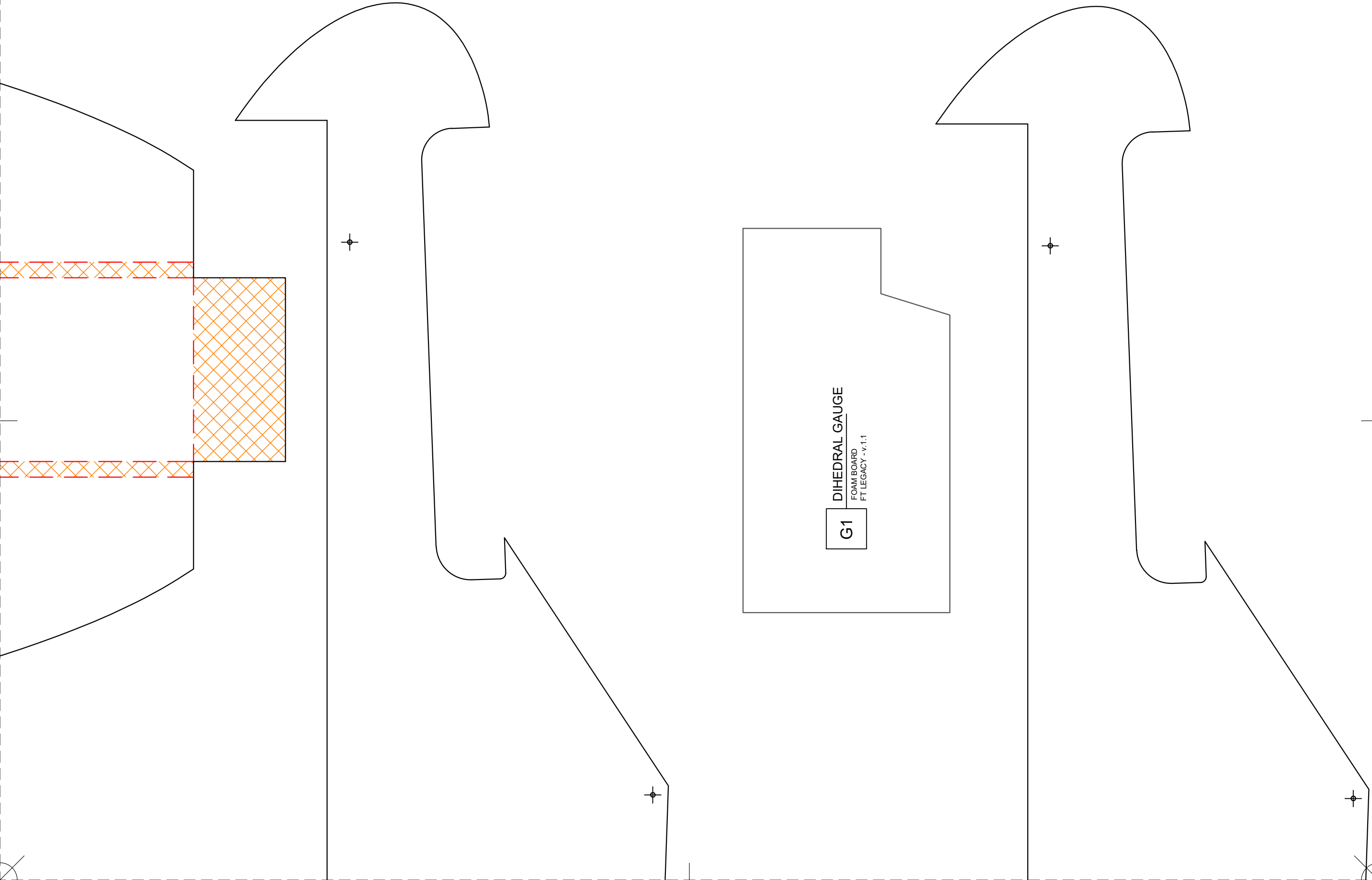


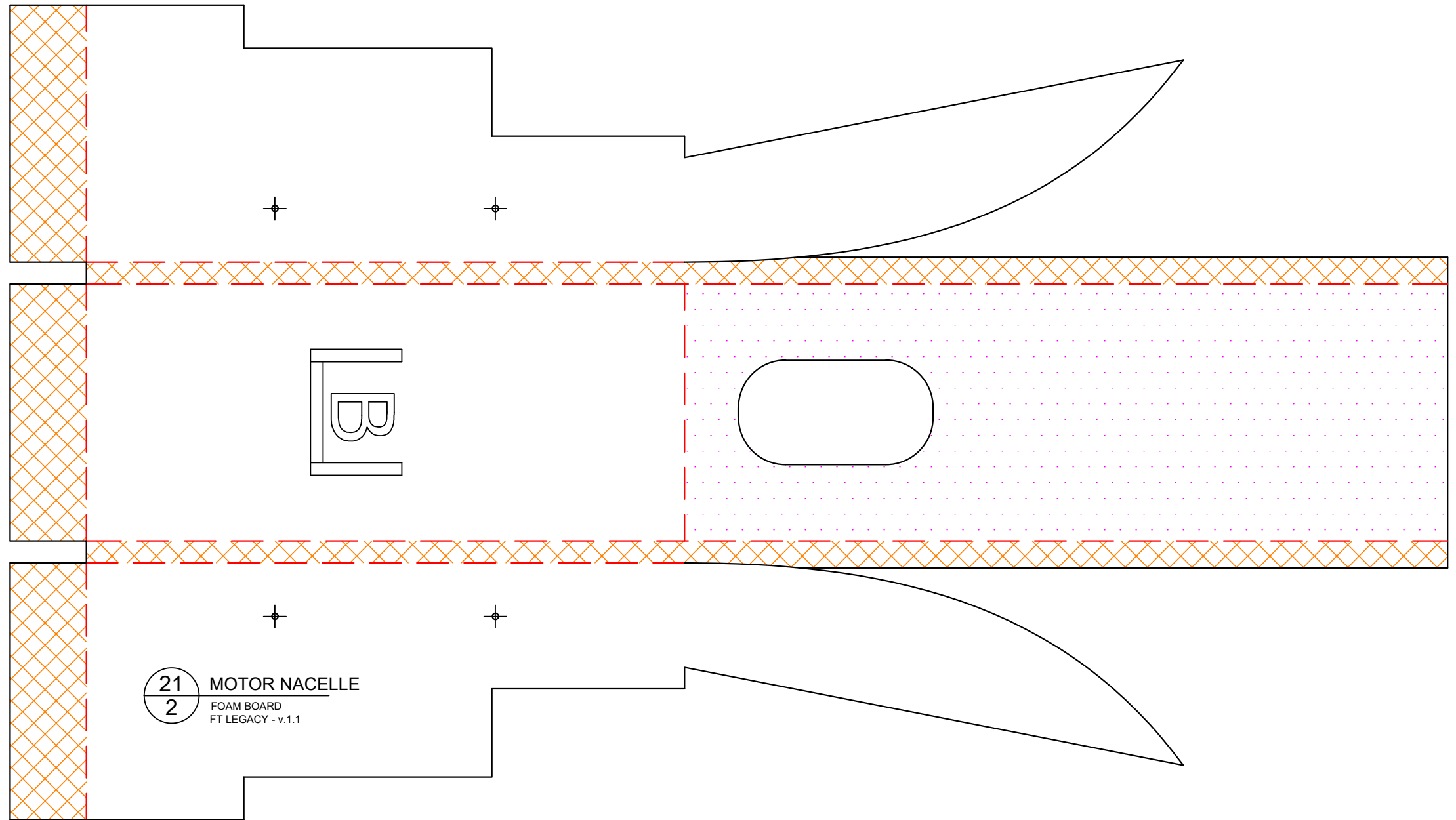




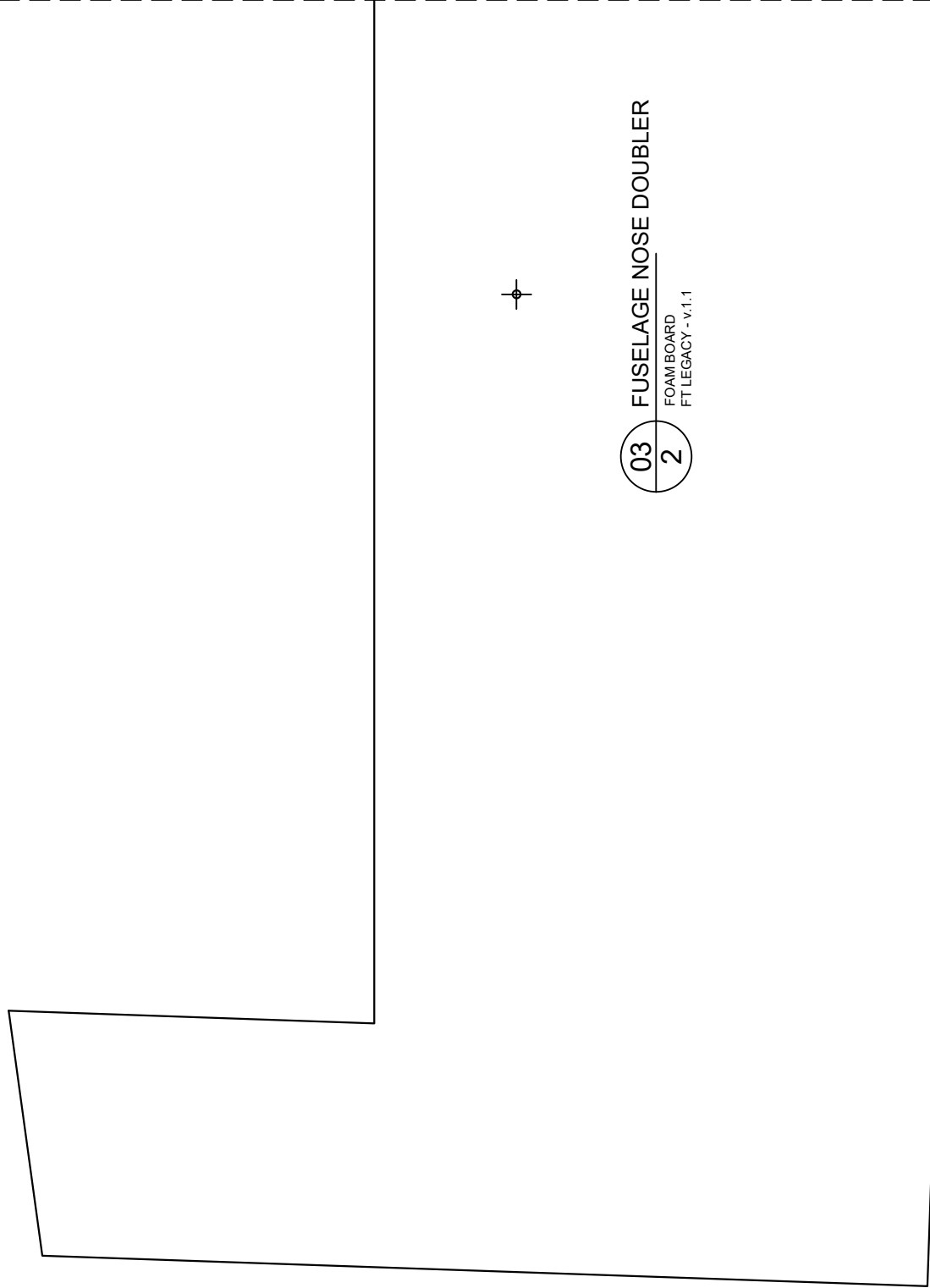
05 FUSELAGE BOX DOUBLER
1 FOAM BOARD
FT LEGACY - v.1.1



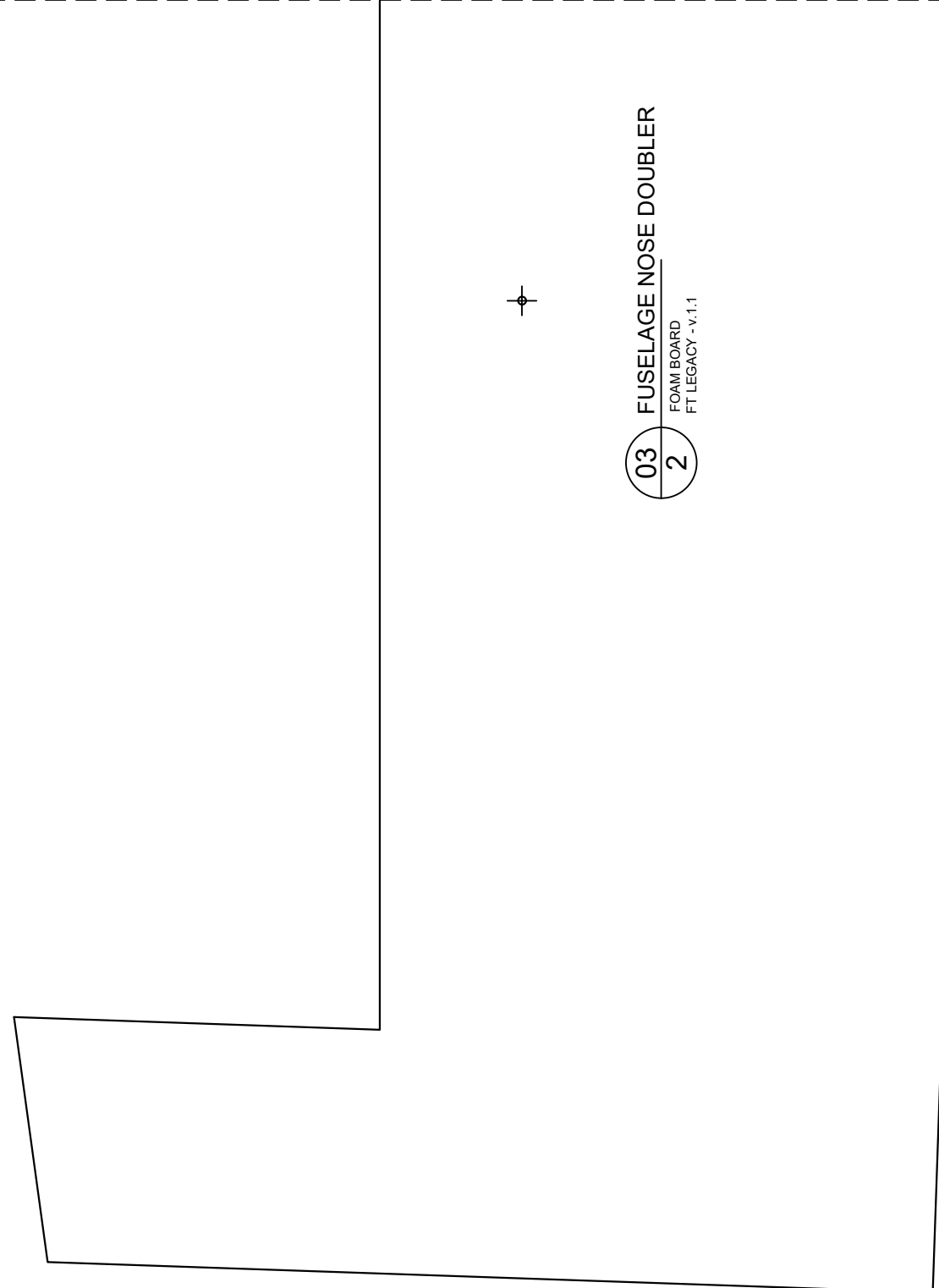




21 MOTOR NACELLE
 2 FOAM BOARD
 FT LEGACY - v.1.1

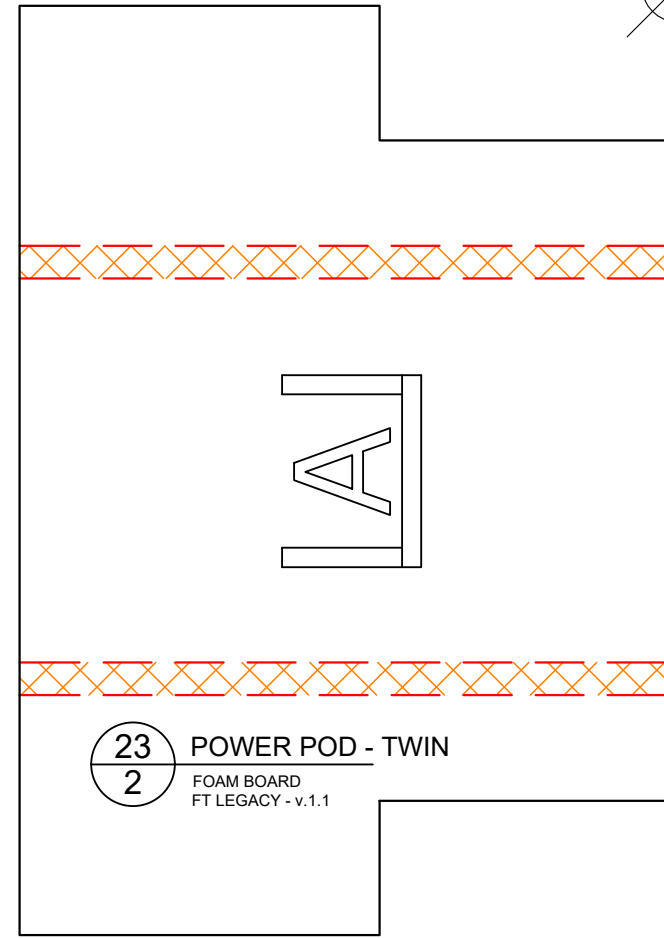
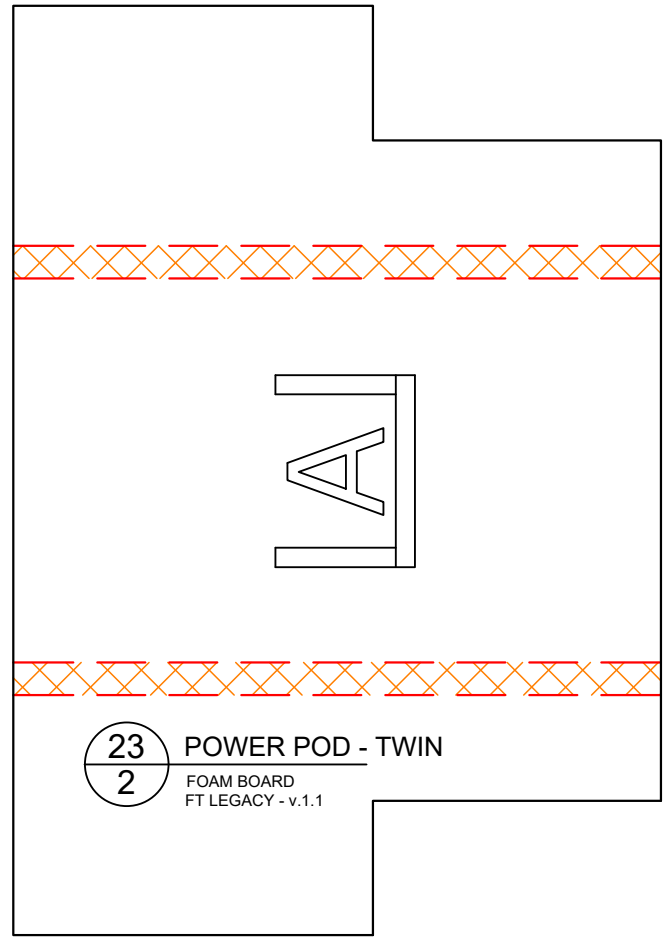
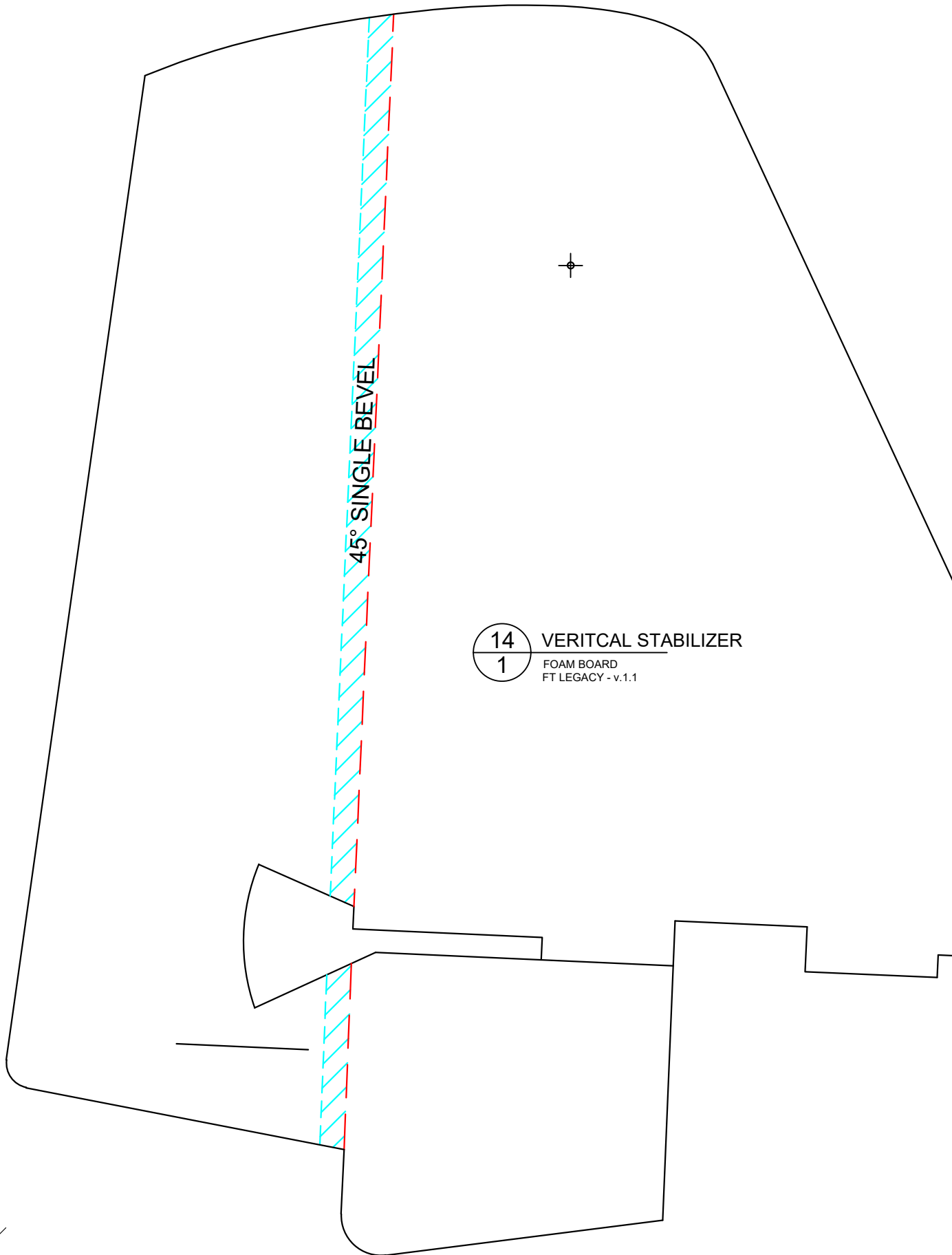


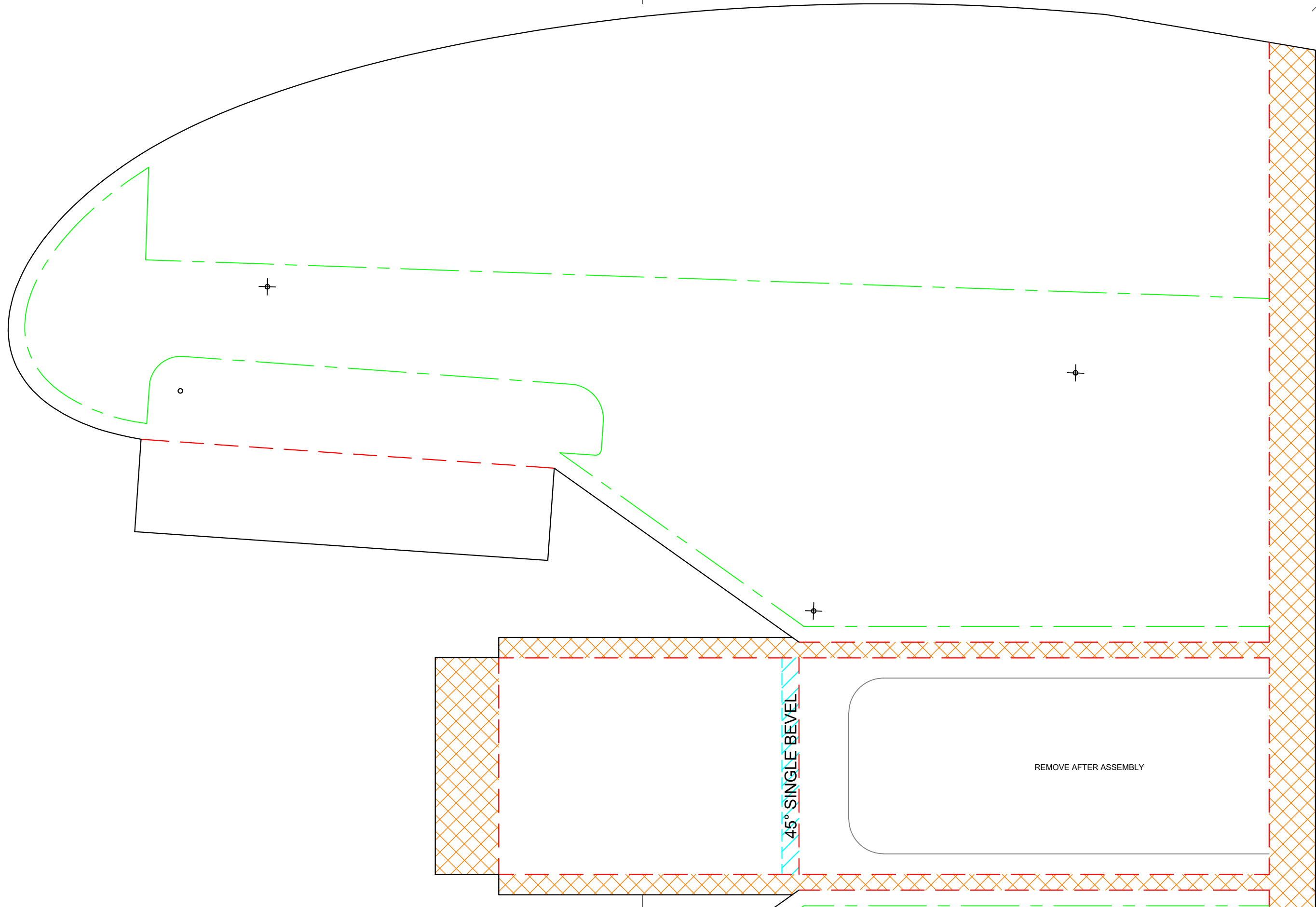
03 FUSELAGE NOSE DOUBLER
2 FOAM BOARD
FT LEGACY - v.1.1

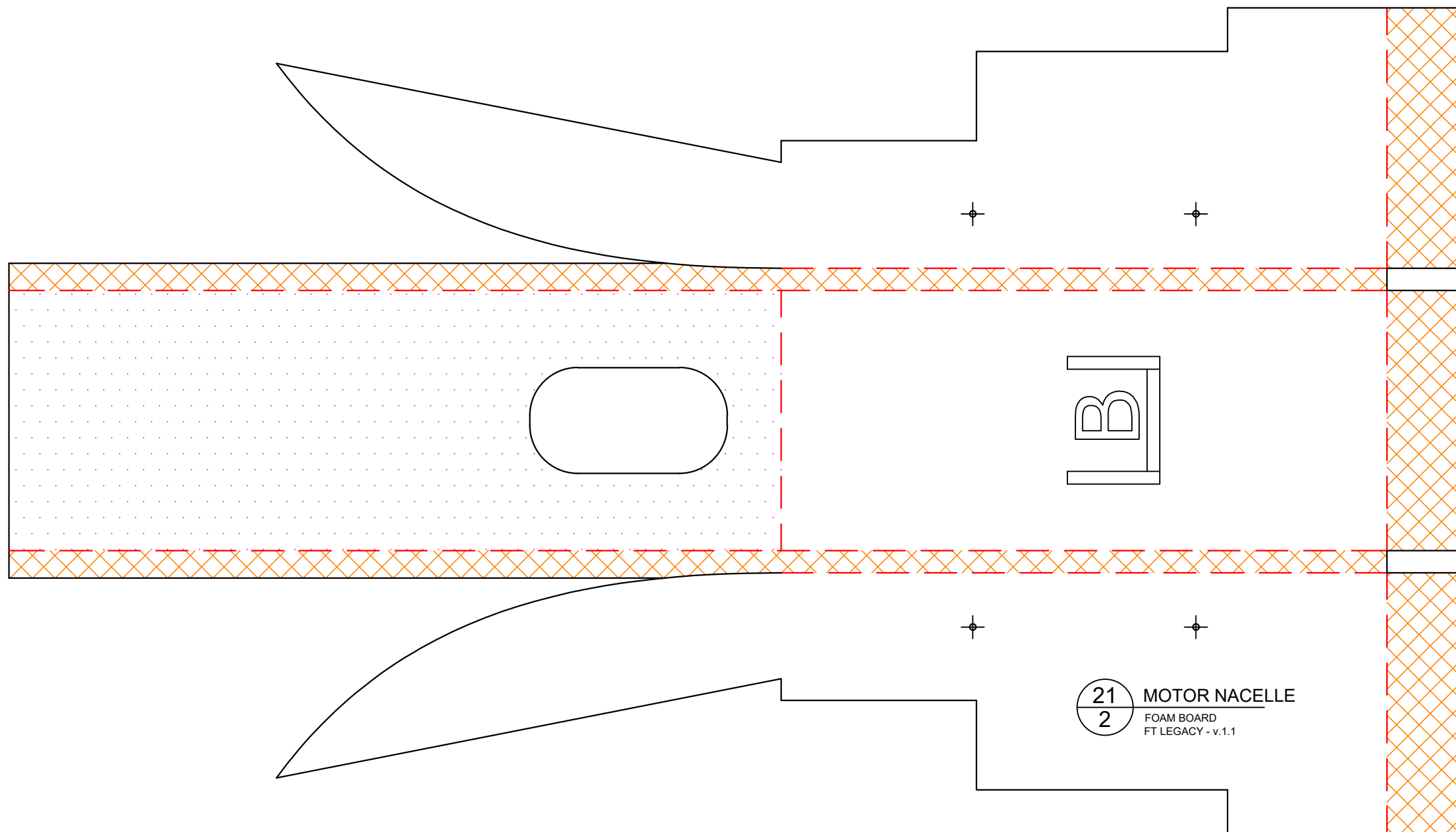


03 FUSELAGE NOSE DOUBLER
2 FOAM BOARD
FT LEGACY - v.1.1

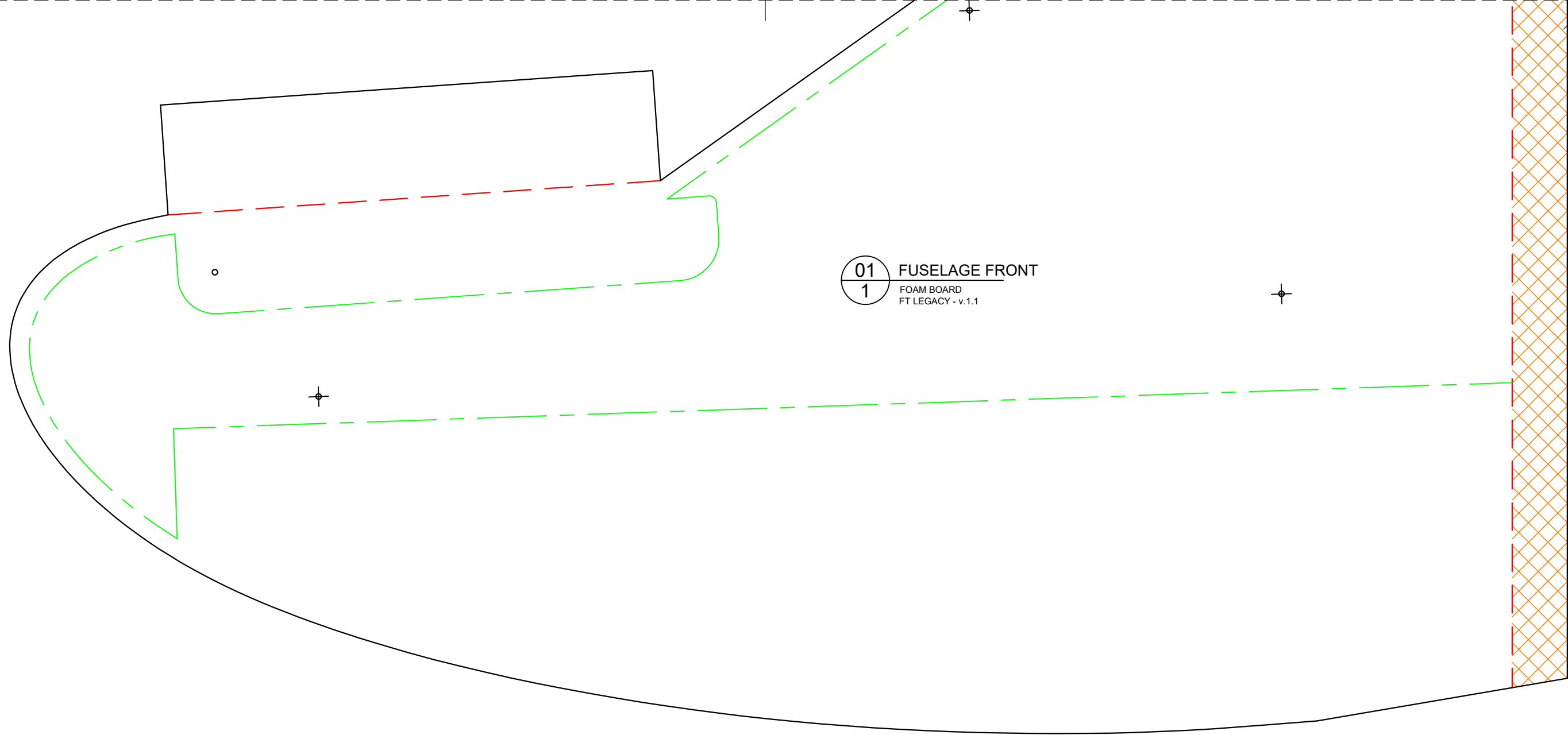




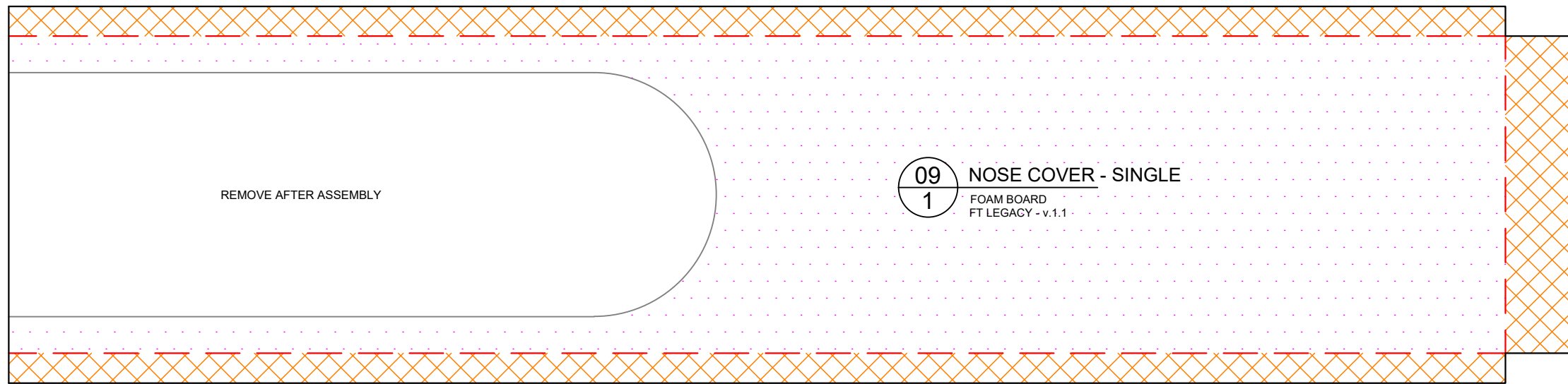




21 MOTOR NACELLE
 2 FOAM BOARD
 FT LEGACY - v.1.1



01 FUSELAGE FRONT
1 FOAM BOARD
FT LEGACY - v.1.1

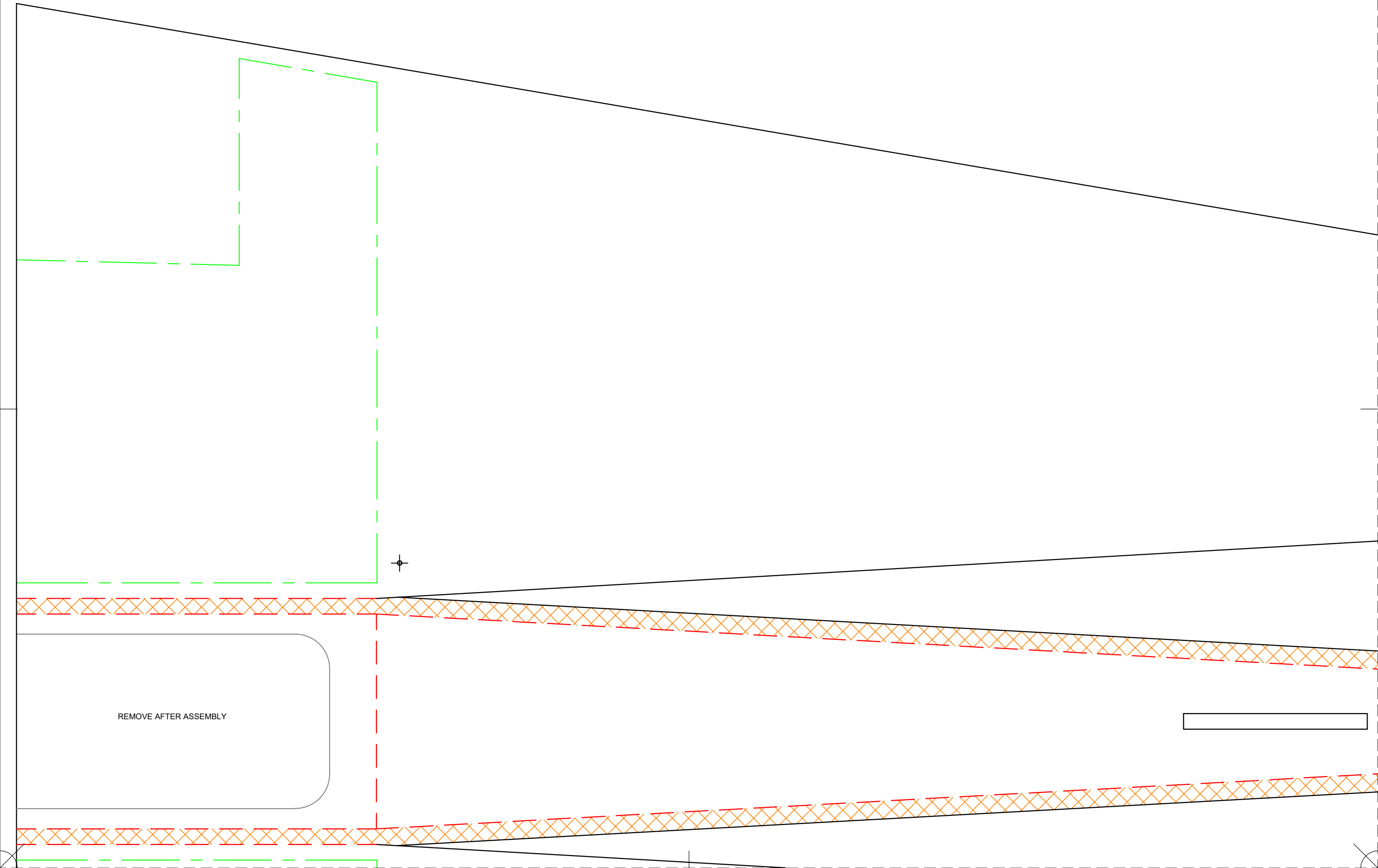


09 NOSE COVER - SINGLE
1 FOAM BOARD
FT LEGACY - v.1.1

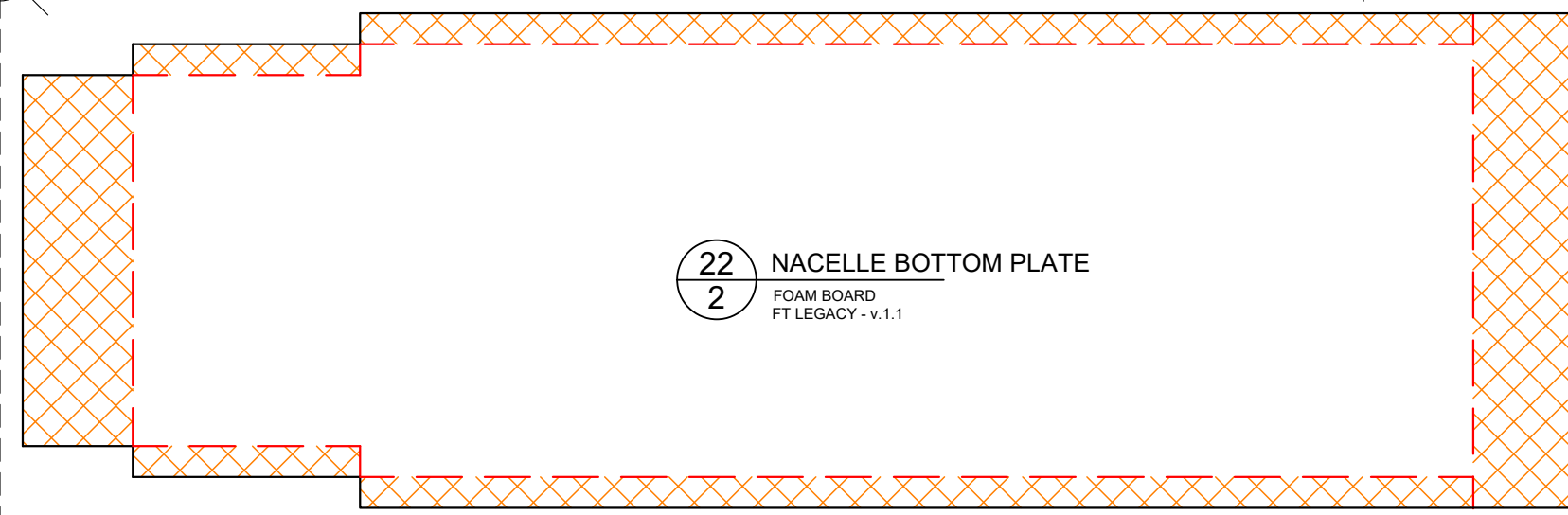
REMOVE AFTER ASSEMBLY



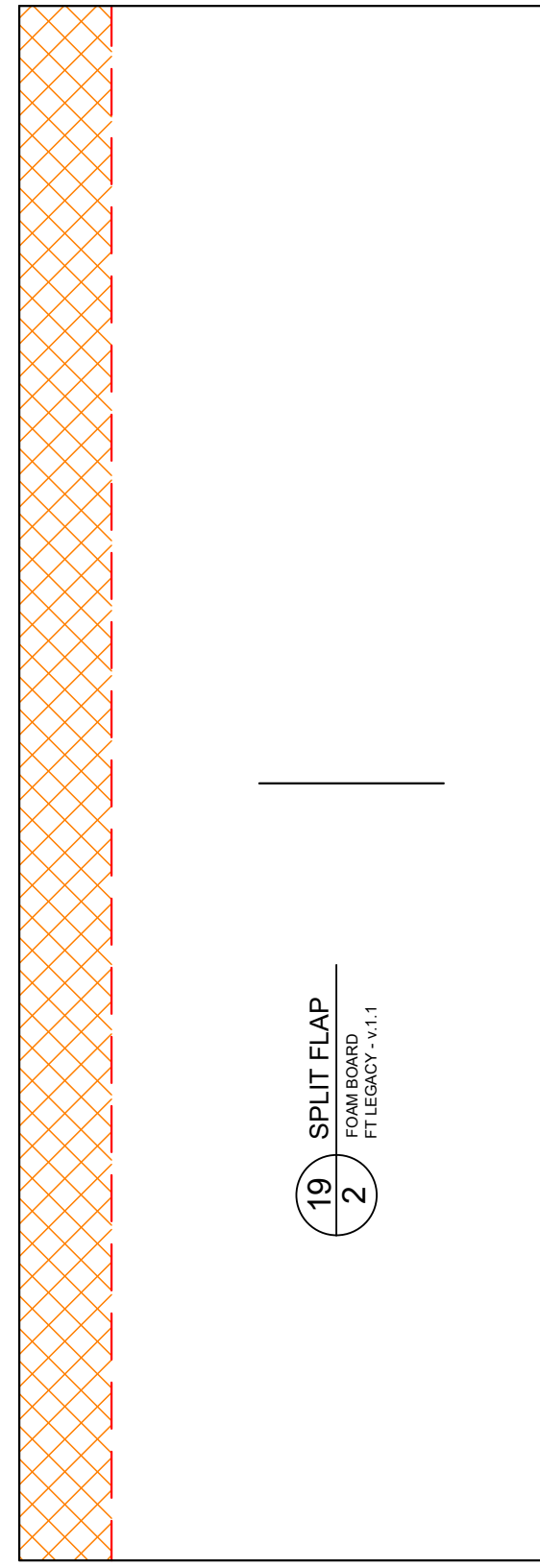
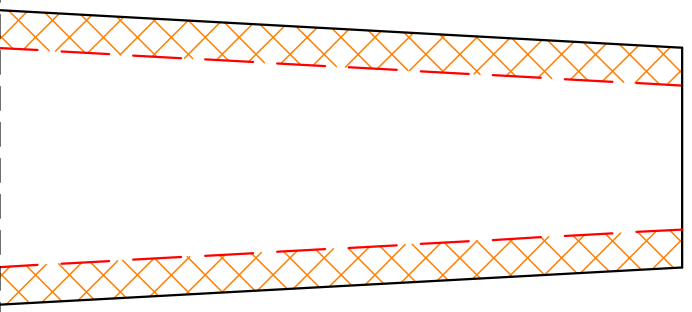
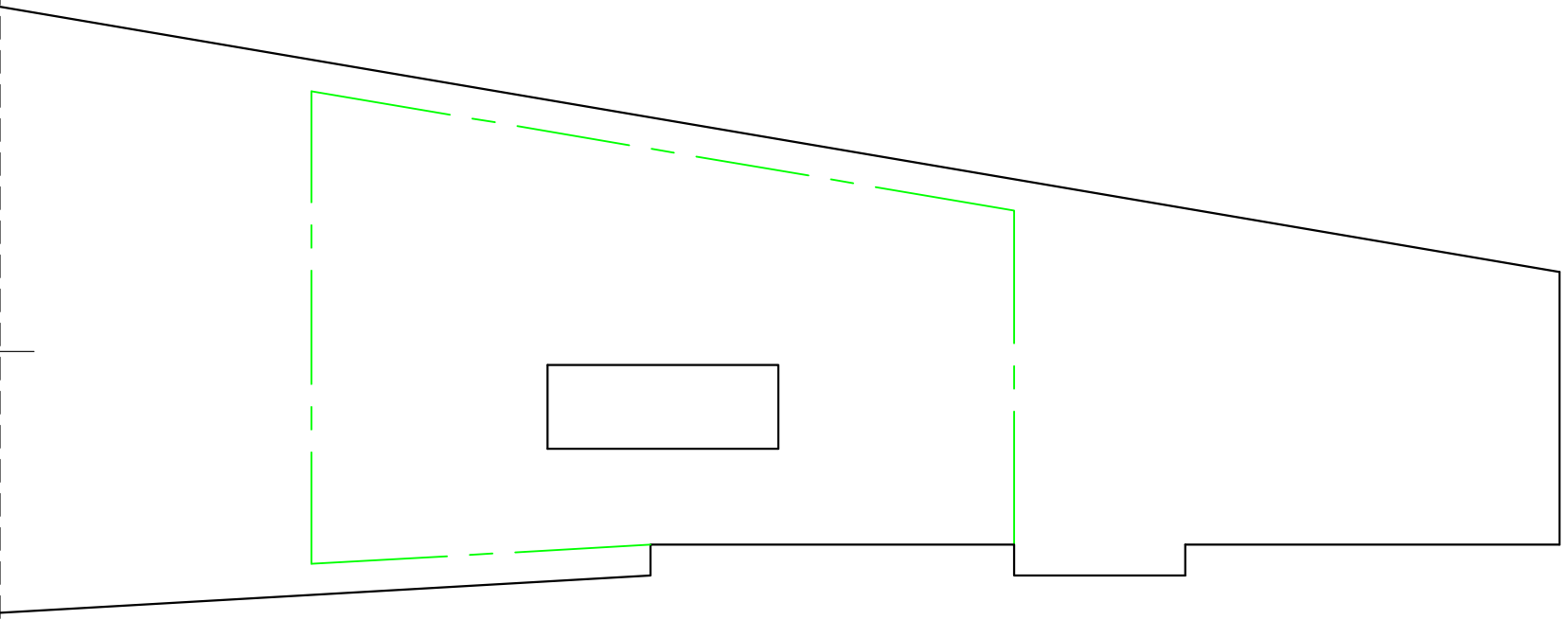
IN
CM



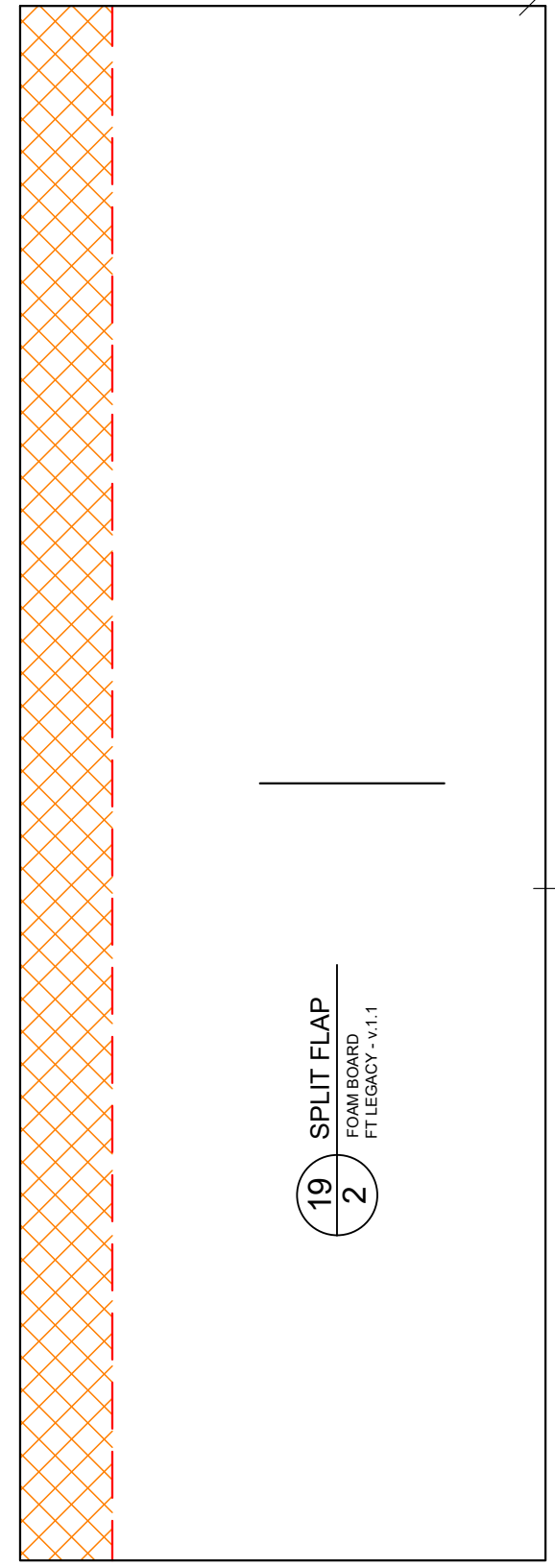
REMOVE AFTER ASSEMBLY



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

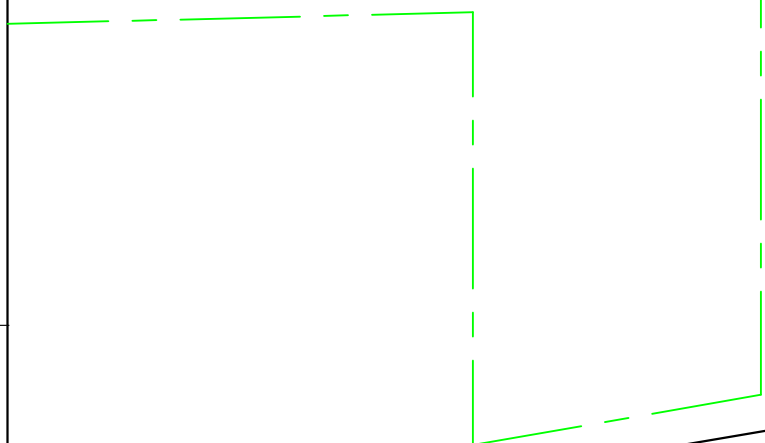


19 SPLIT FLAP
2
FOAM BOARD
FT LEGACY - v.1.1

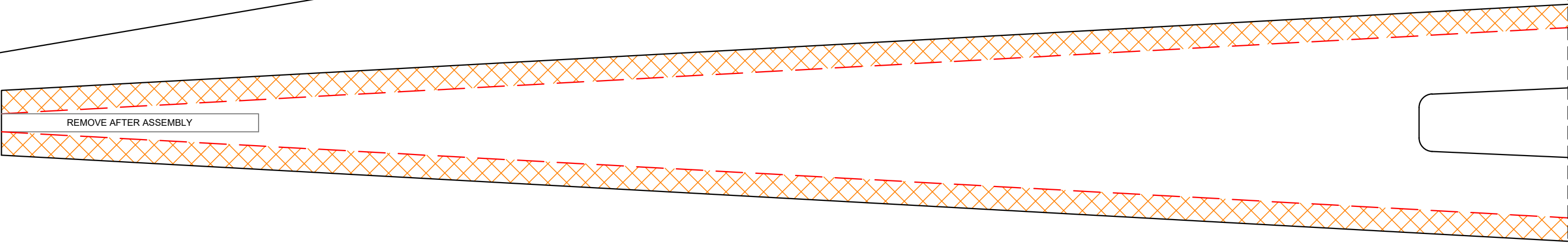


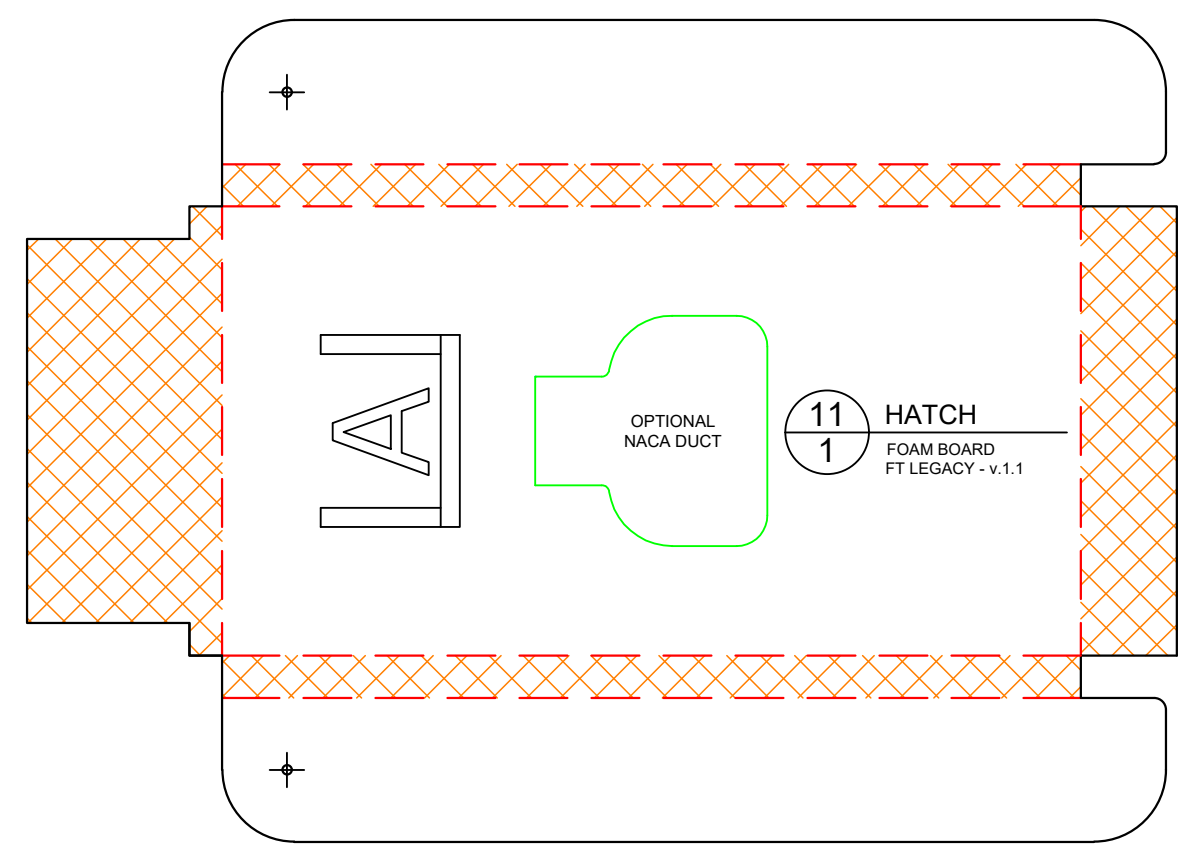
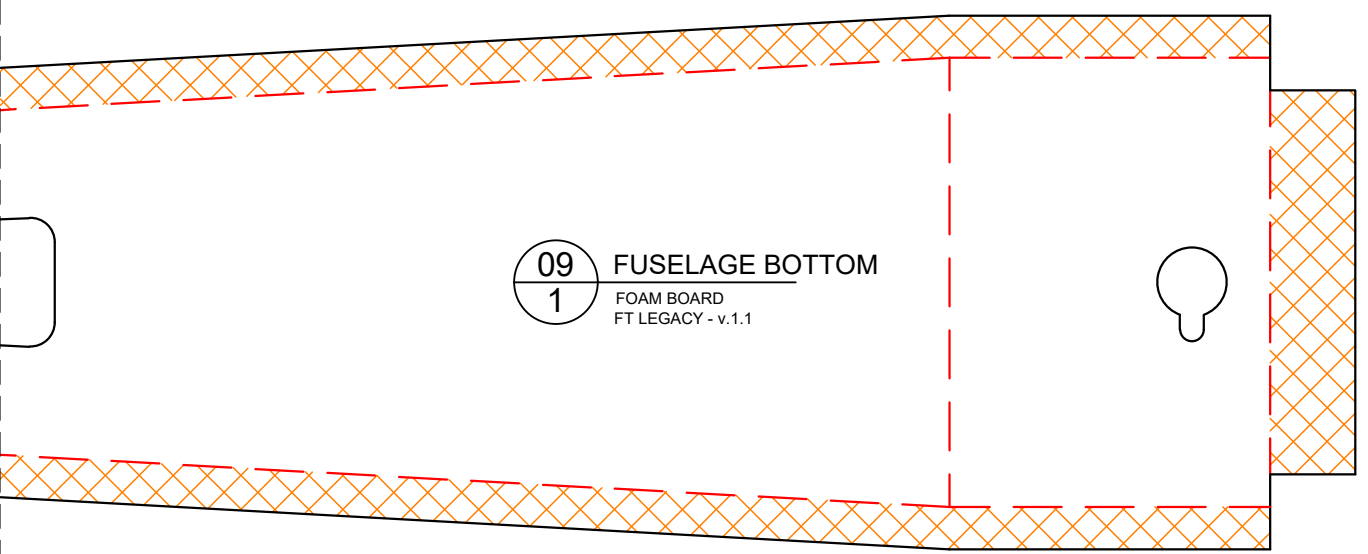
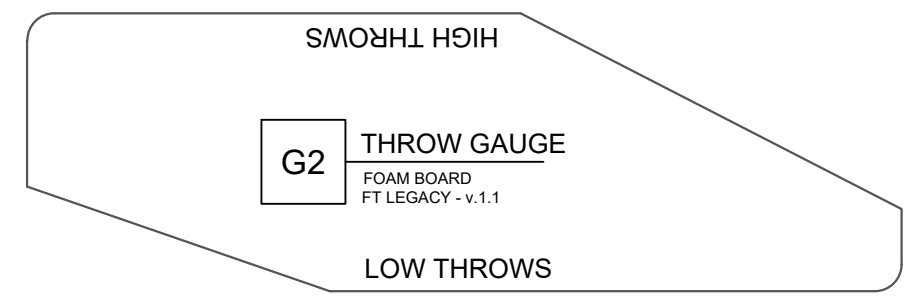
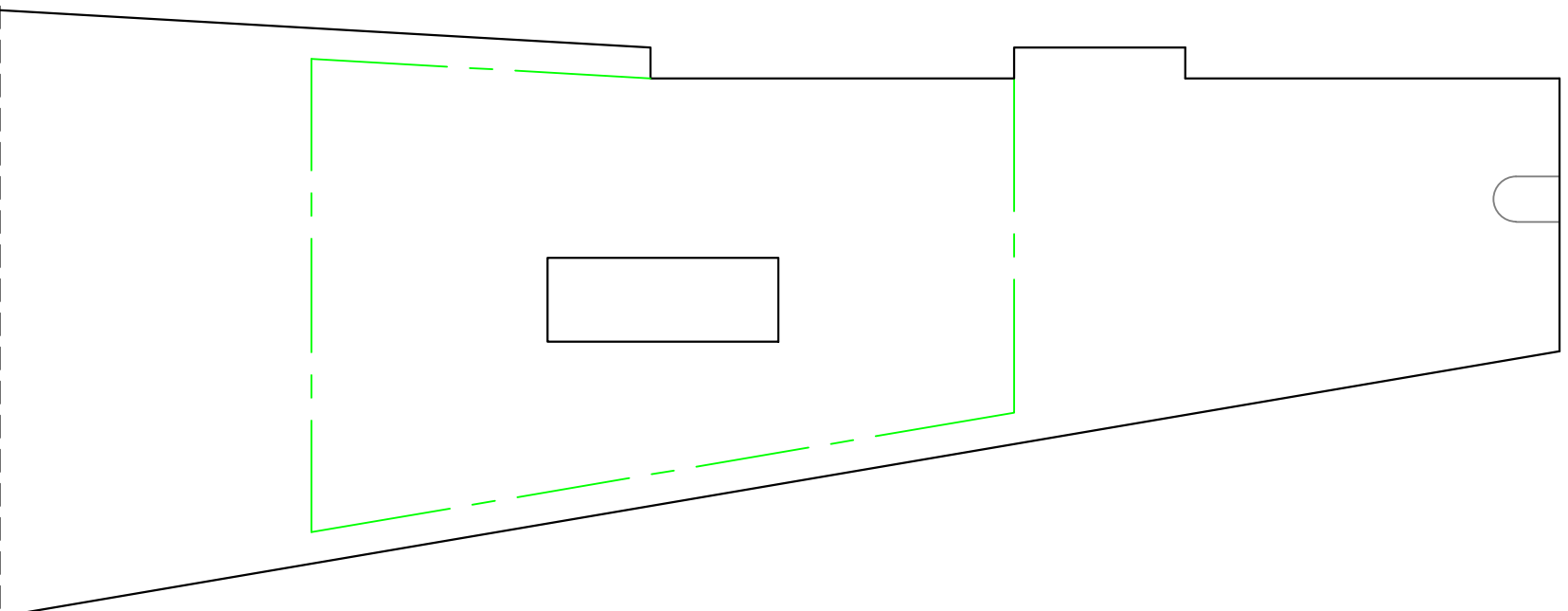
19 SPLIT FLAP
2
FOAM BOARD
FT LEGACY - v.1.1

02 FUSELAGE REAR
1 FOAM BOARD
FT LEGACY - v.1.1



REMOVE AFTER ASSEMBLY





09
1 FUSELAGE BOTTOM
FOAM BOARD
FT LEGACY - v.1.1

G2
THROW GAUGE
FOAM BOARD
FT LEGACY - v.1.1

11
1 HATCH
FOAM BOARD
FT LEGACY - v.1.1