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FT Goblin

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Drawing By: Dan Sponholz
Version: 1.0
Date: 2018.08.15



GENERAL SPECIFICATIONS:

LENGTH:	19.0 in	483 mm
CG:	.75 in	19 mm
WINGSPAN:	30.0 in	762 mm
WING AREA:	211.8 in ²	13.7 dm ²
DRY WEIGHT:	8.8 oz.	249 g
ALL UP WEIGHT:	16.3 oz.	463 g
WING LOADING:	11.1 oz/ft ²	33.7 g/dm ²
WCL:	9.1	
THROWS:	12°	
EXPO:	30%	
CHANNELS:	2 [THR ELEVONS]	
REFLEX:	BOTTOM OF ELEVON FLUSH WITH TOP OF WING AT TRAILING EDGE	

RECOMMENDED ELECTRONICS:

MOTOR:	2205 2300 kv
PROPELLER:	5 x 3
ESC:	20 amp
SERVOS:	2X 9 g
BATTERY:	1300-2200 mAh 3S-4S



BUILD SKILL LEVEL:

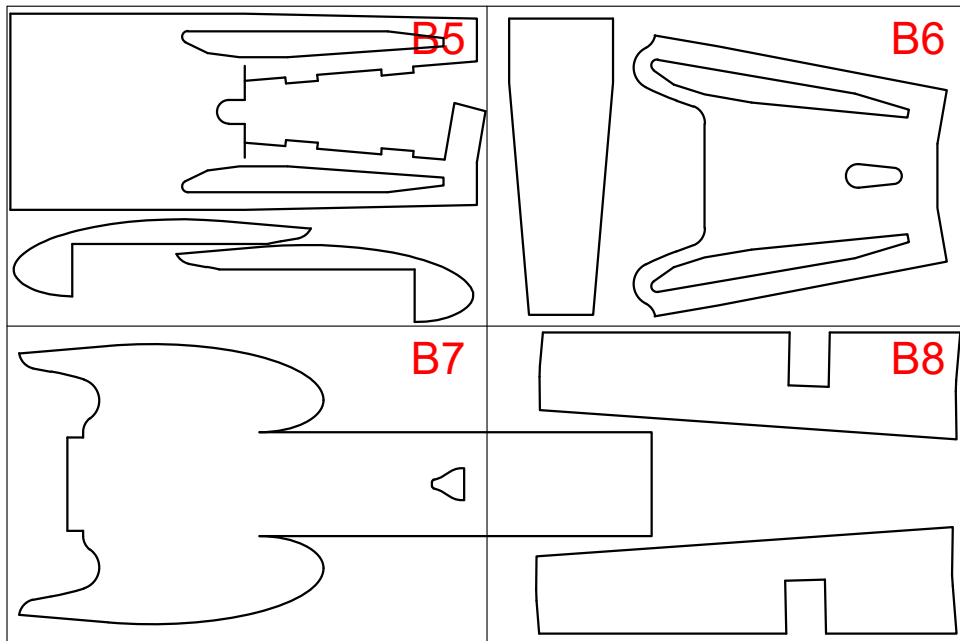
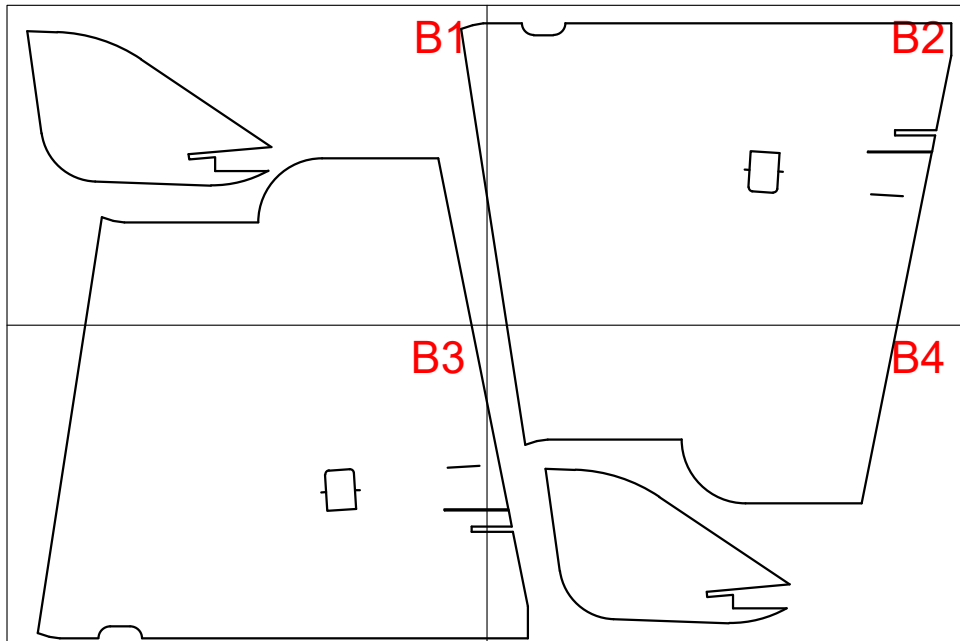


PILOT SKILL LEVEL:





FT Goblin: Tile B Key

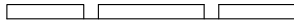
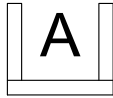




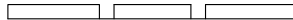
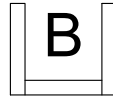
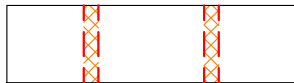
Drawing Key



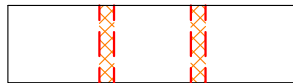
FOLD TYPES



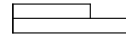
A - FOLD (ABOVE)



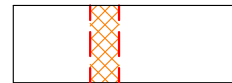
B - FOLD (BESIDE)



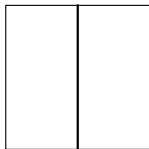
C



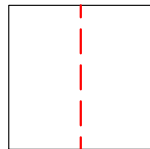
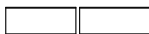
C - FOLD (COVER)



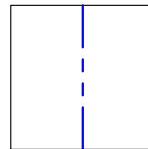
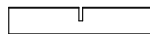
LINE TYPE/COLOR



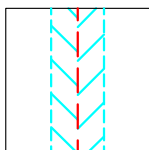
CUT



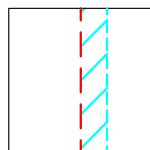
50% SCORE



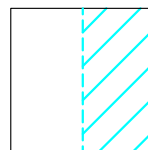
CREASE



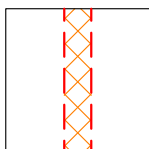
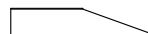
45° DOUBLE
BEVEL



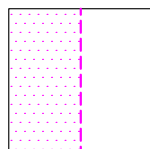
45° SINGLE
BEVEL



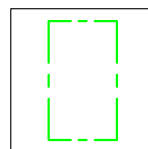
EDGE
BEVEL



CAVITY



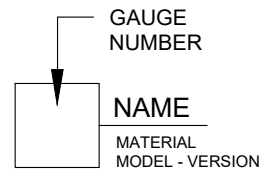
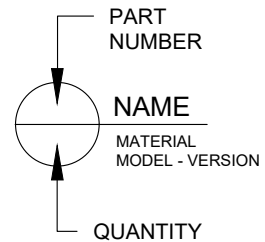
REMOVE
PAPER



REFERENCE/
OPTIONAL



SYMBOLS



CENTER
OF
GRAVITY
(CG)

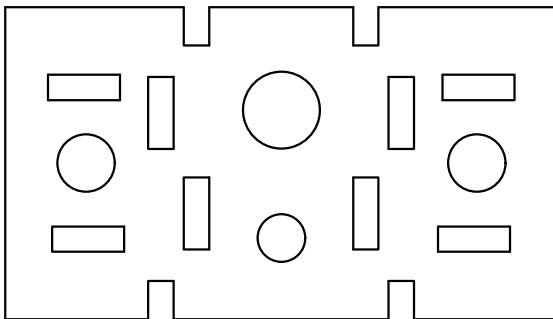


FT Goblin: Wood Parts

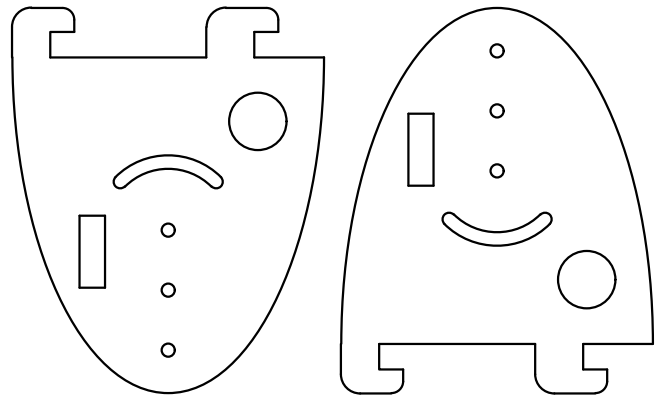


HOBBY GRADE PLYWOOD
1/8" (3.2 mm) THICK

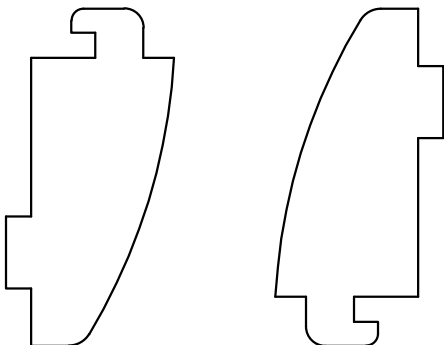
CAMERA BACK PLATE



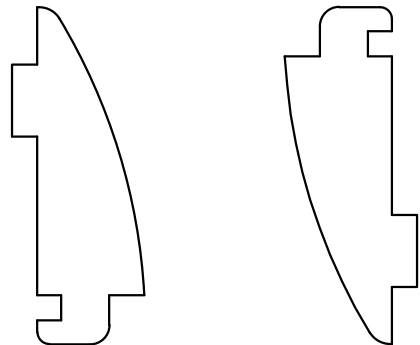
CAMERA SIDE PLATES



SMALL CAMERA SUPPORTS



BIG CAMERA SUPPORTS



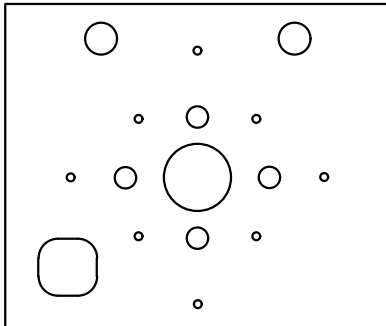


FT Goblin: Wood Parts

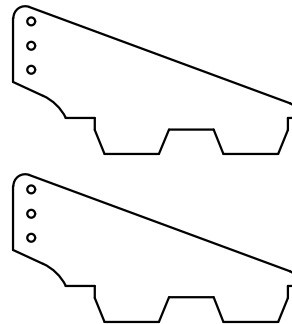


HOBBY GRADE PLYWOOD
3/32" (2.4 mm) THICK

FT SWAPPABLE FIREWALL



FT CONTROL HORNS





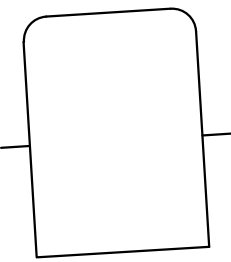
10
2 VERTICAL STABILIZER
FOAM BOARD
FT GOBLIN - 1.0

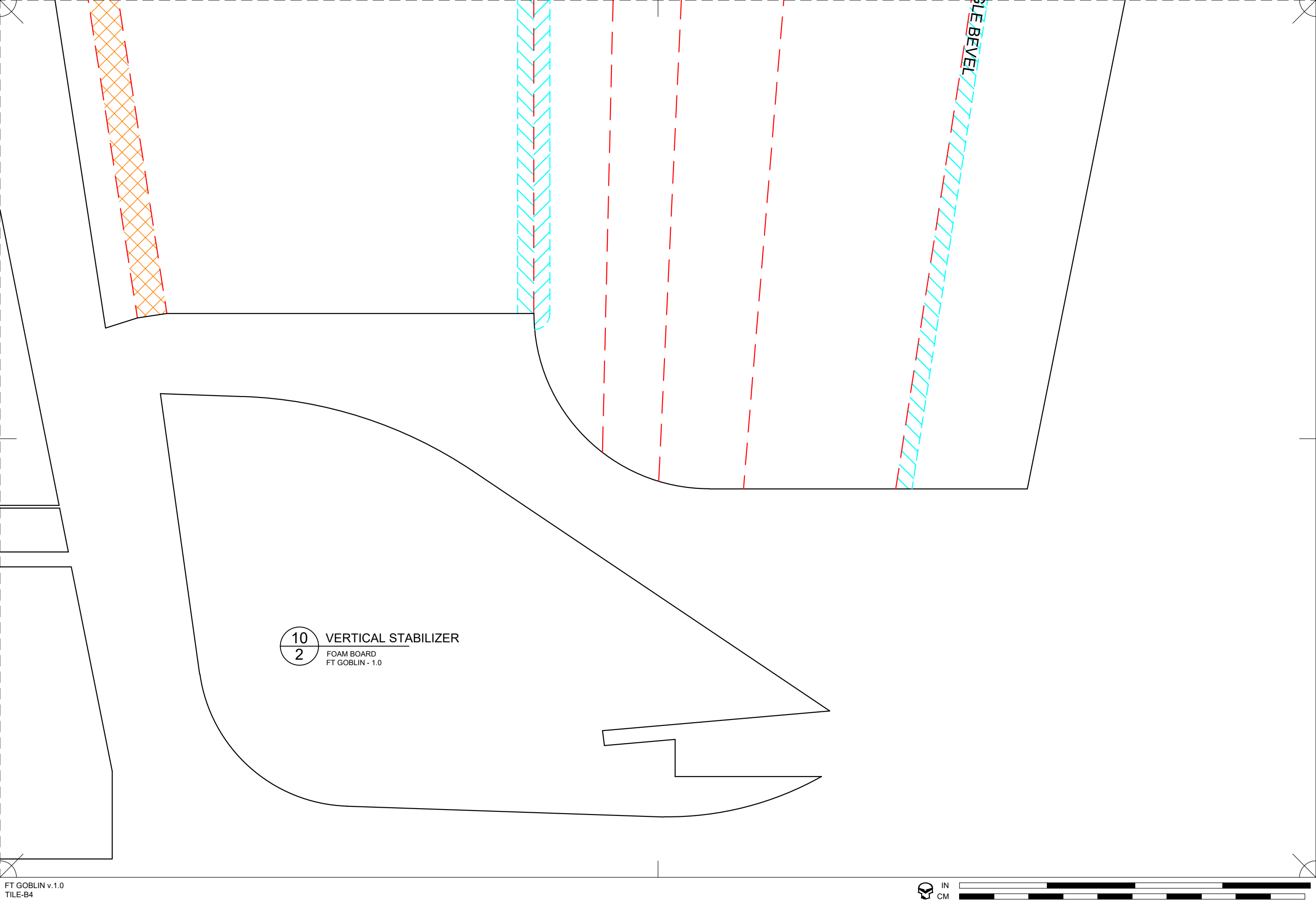
45° S11

NGLE BEVEL

45° DOUBLE BEVEL

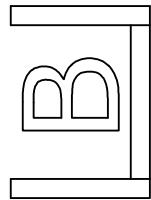
01 LEFT WING PANEL
FOAM BOARD
1 FT GOBLIN - 1.0



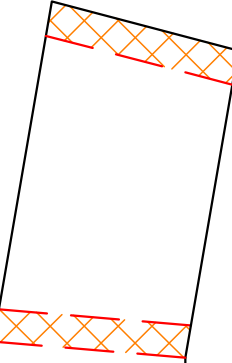
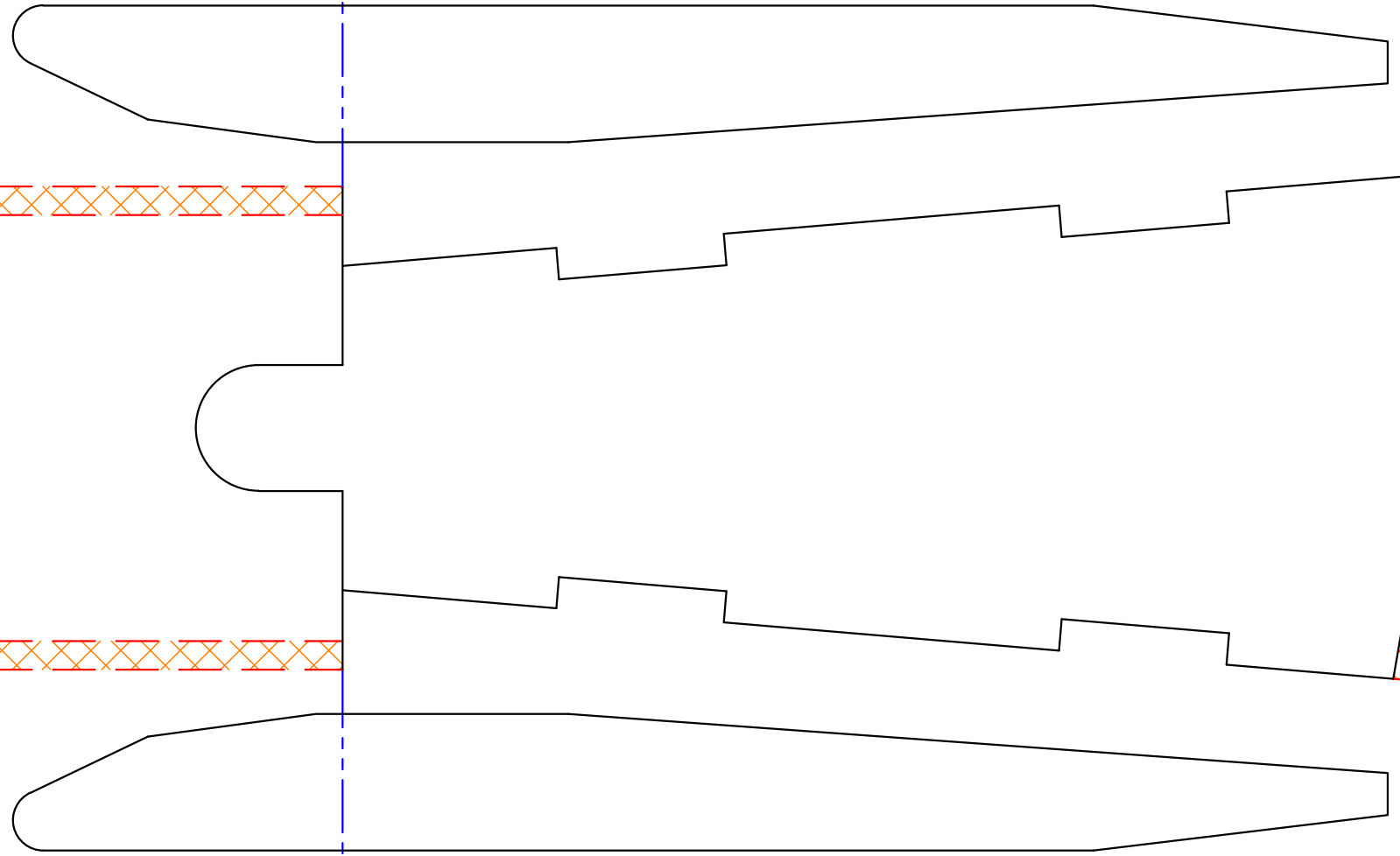


10
2

VERTICAL STABILIZER
FOAM BOARD
FT GOBLIN - 1.0

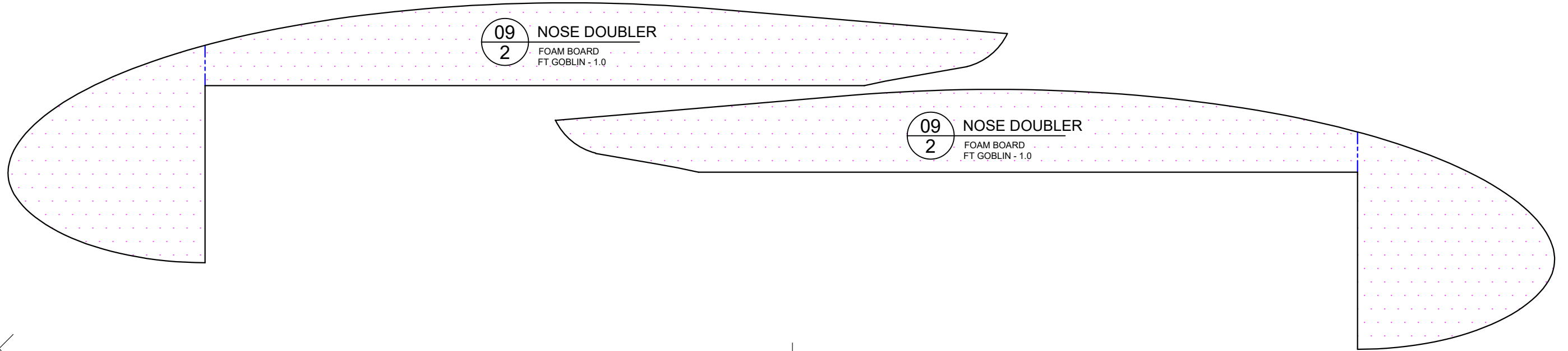


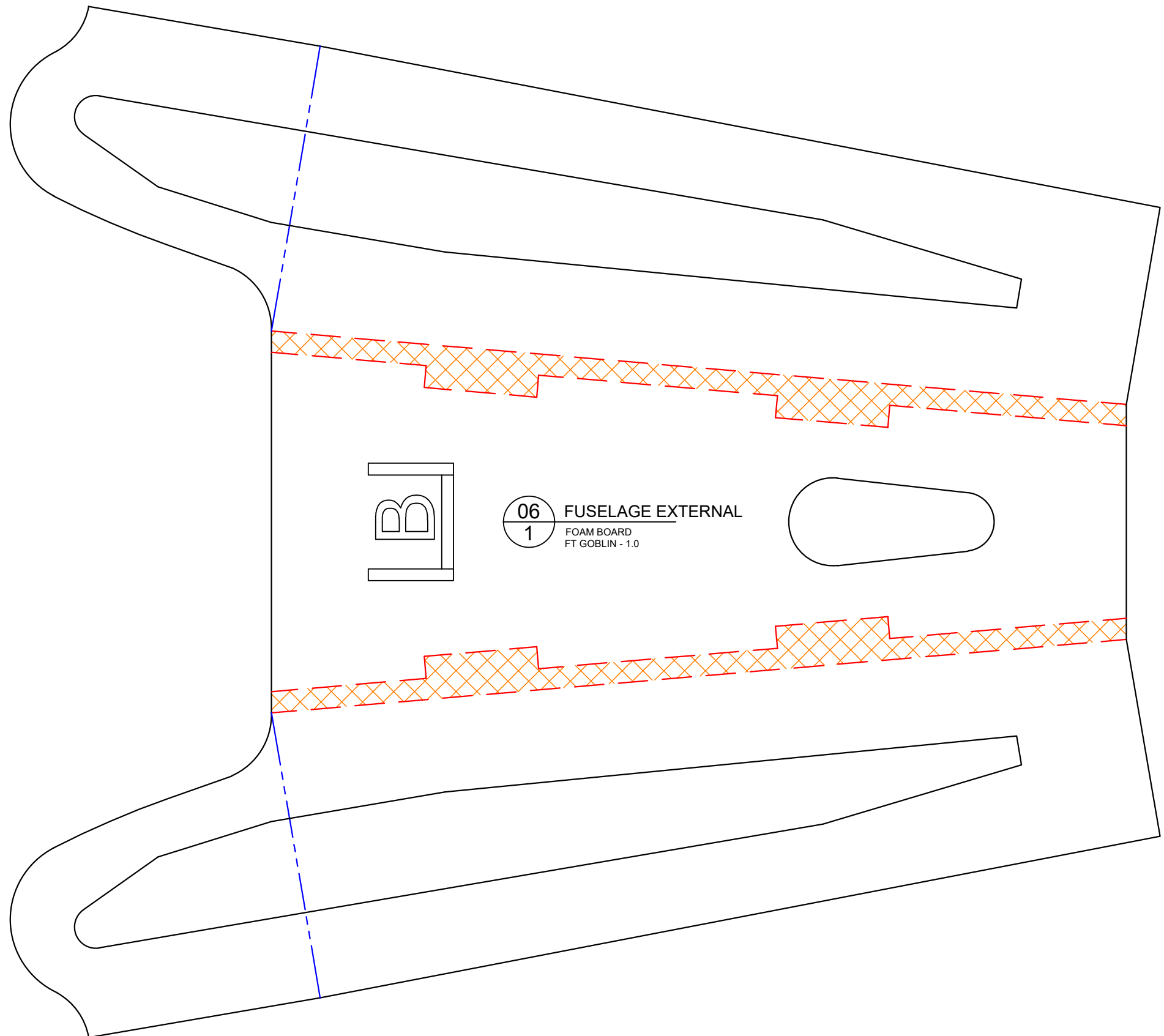
05
1 FUSELAGE INTERNAL
FOAM BOARD
FT GOBLIN - 1.0



09
2 NOSE DOUBLER
FOAM BOARD
FT GOBLIN - 1.0

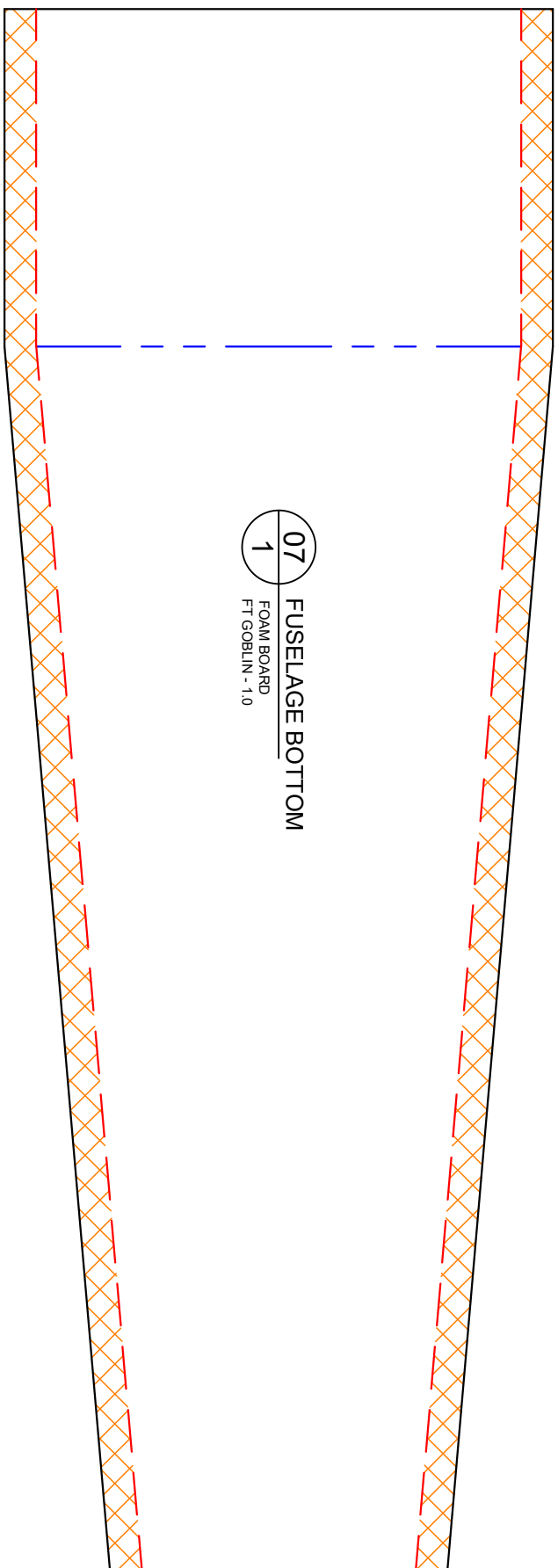
09
2 NOSE DOUBLER
FOAM BOARD
FT GOBLIN - 1.0

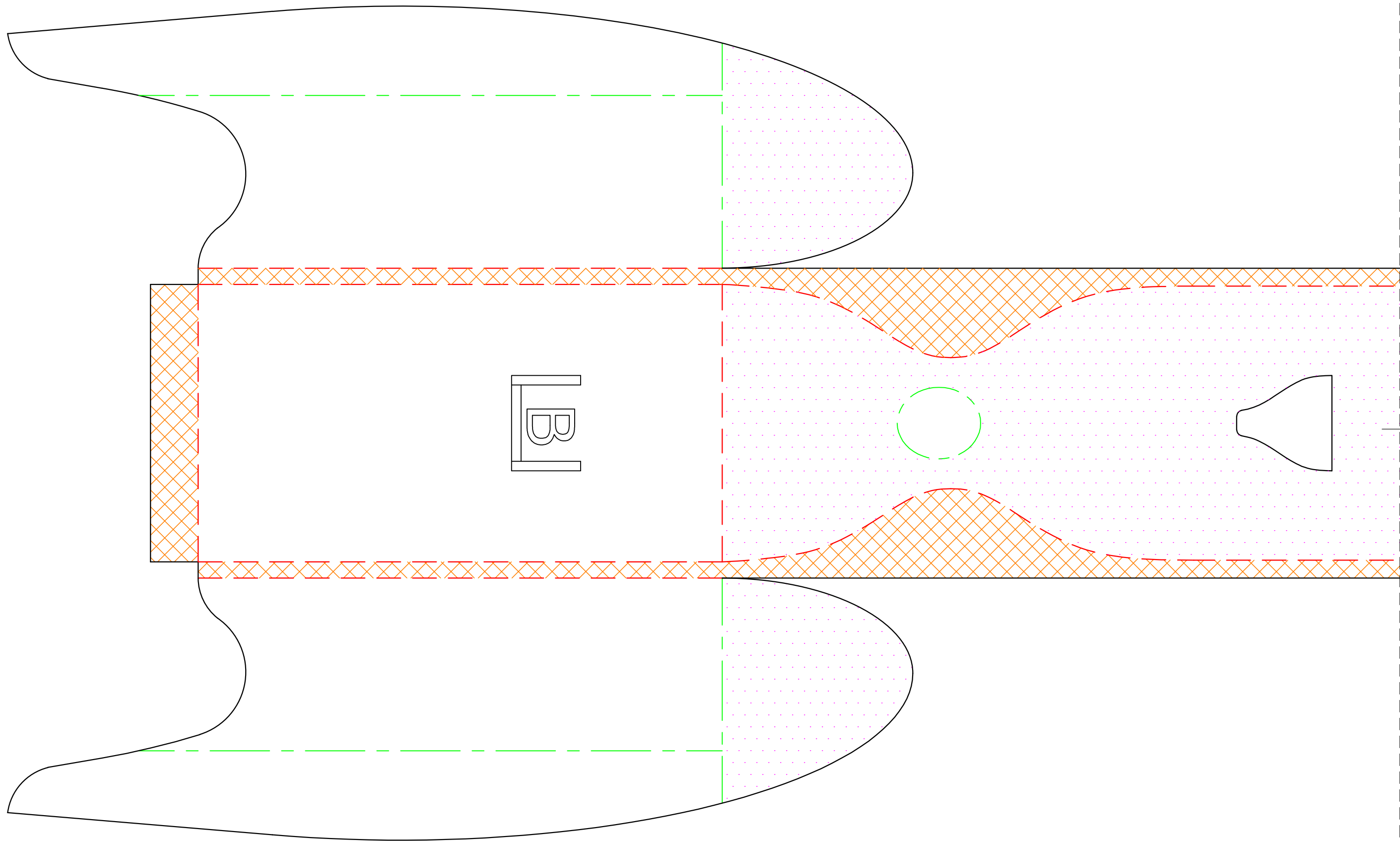


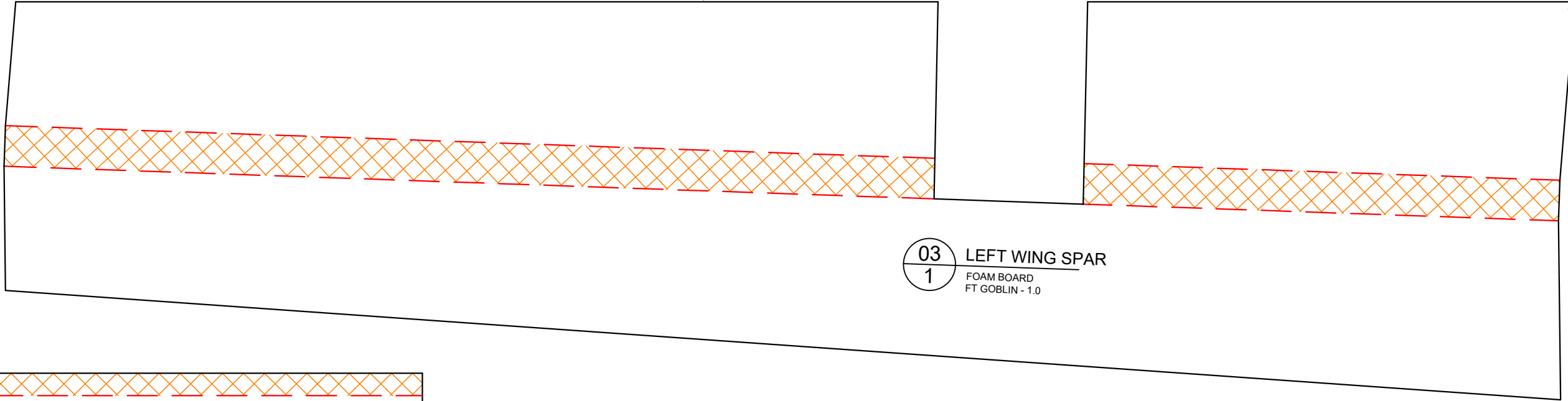


06
1 FUSELAGE EXTERNAL
FOAM BOARD
FT GOBLIN - 1.0

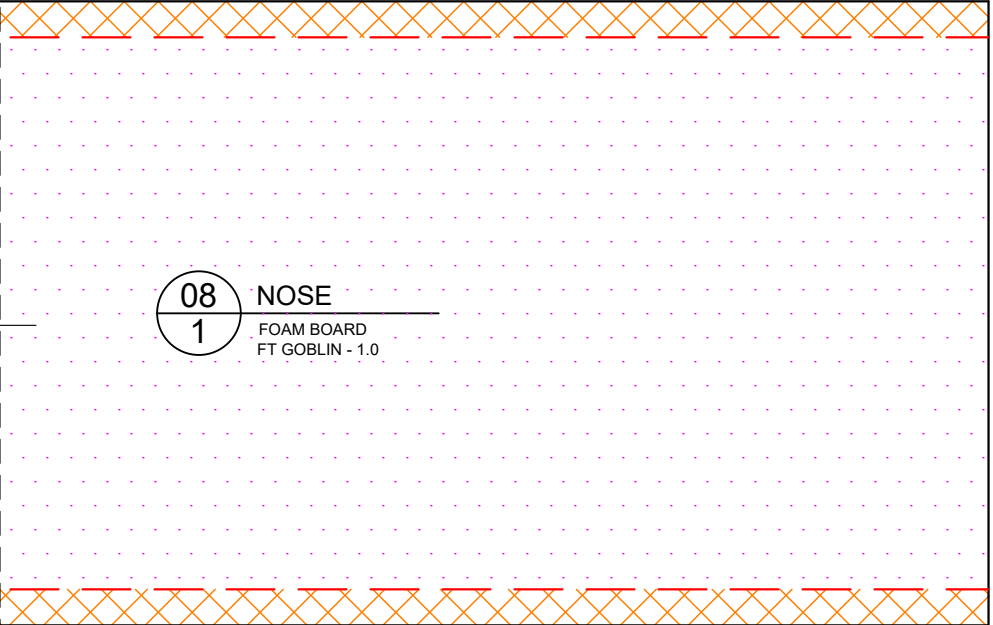
07
1 FUSELAGE BOTTOM
FOAM BOARD
FT GOBLIN - 1.0



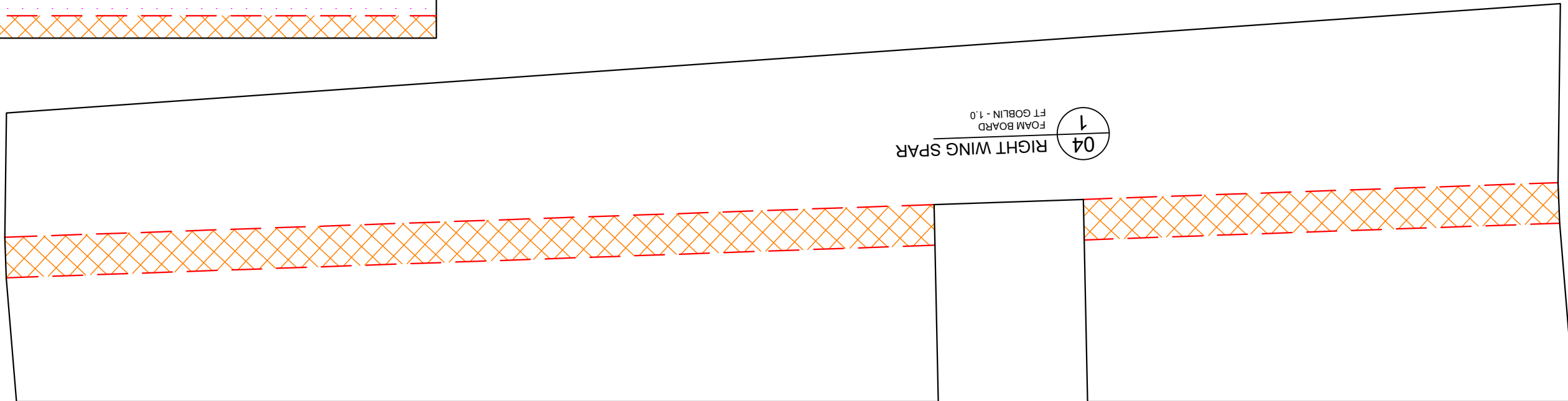




03 LEFT WING SPAR
1 FOAM BOARD
FT GOBLIN - 1.0



08 NOSE
1 FOAM BOARD
FT GOBLIN - 1.0



04 RIGHT WING SPAR
1 FOAM BOARD
FT GOBLIN - 1.0