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FT Goblin

Designed By: Andres Lu
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:

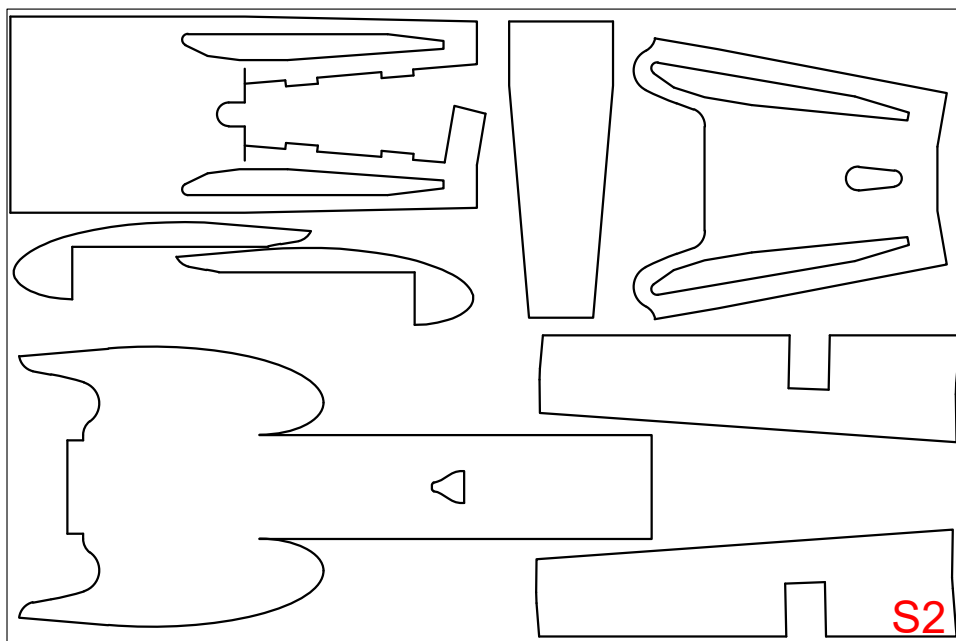
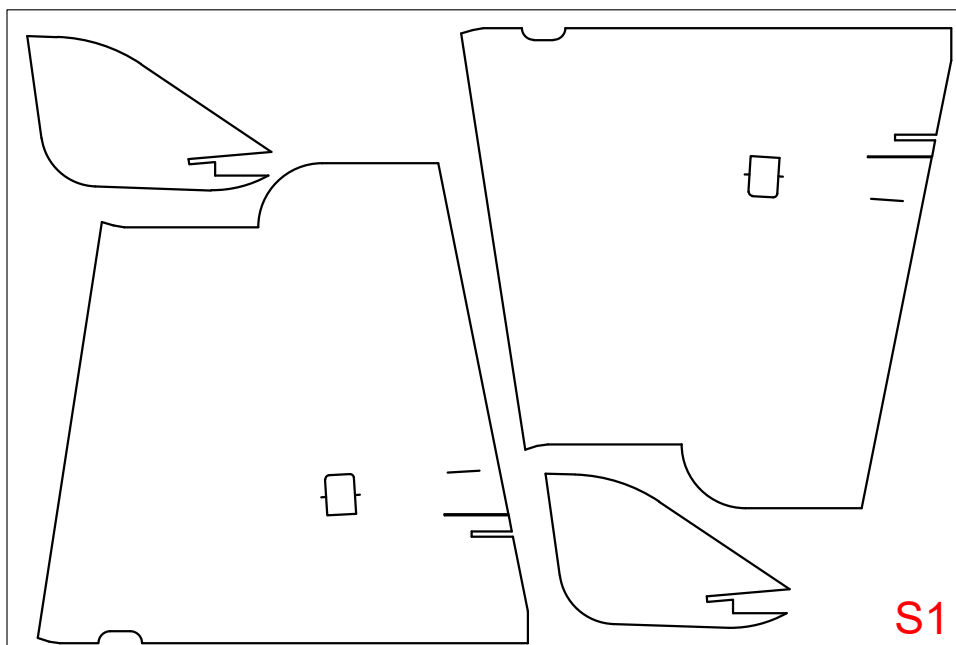


PILOT SKILL LEVEL:





FT Goblin: Full-Size Key

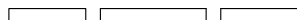
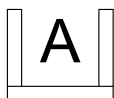




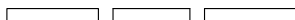
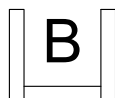
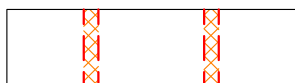
Drawing Key



FOLD TYPES



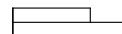
A - FOLD (ABOVE)



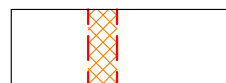
B - FOLD (BESIDE)



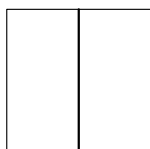
C



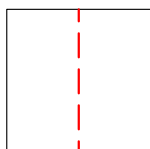
C - FOLD (COVER)



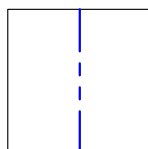
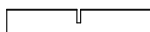
LINE TYPE/COLOR



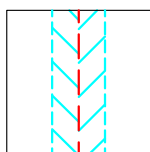
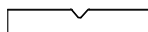
CUT



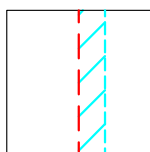
50% SCORE



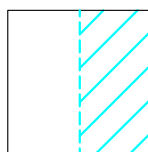
CREASE



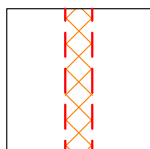
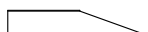
45° DOUBLE
BEVEL



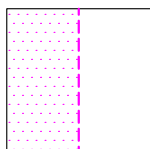
45° SINGLE
BEVEL



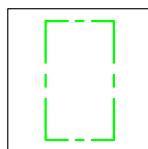
EDGE
BEVEL



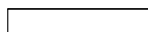
CAVITY



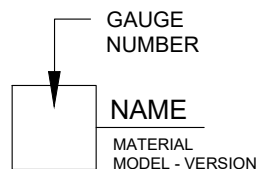
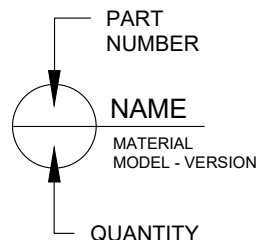
REMOVE
PAPER



REFERENCE/
OPTIONAL



SYMBOLS



CENTER
OF
GRAVITY
(CG)

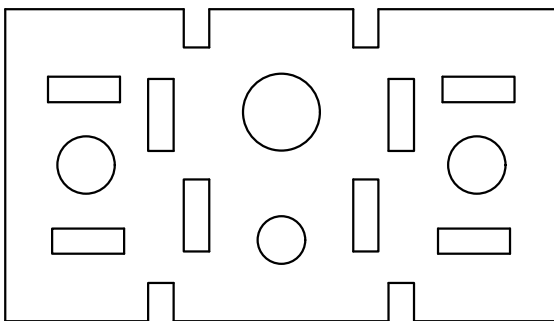


FT Goblin: Wood Parts

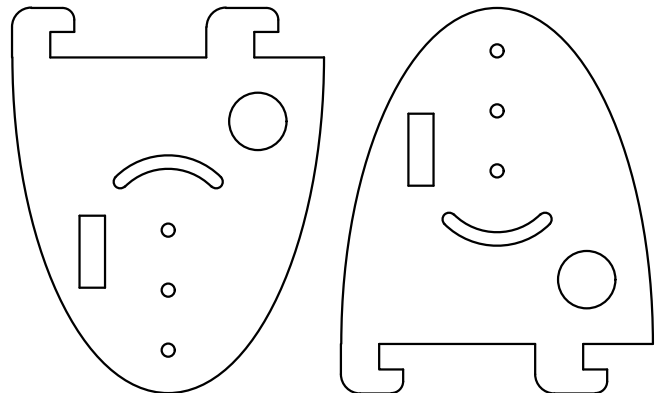


HOBBY GRADE PLYWOOD
1/8" (3.2 mm) THICK

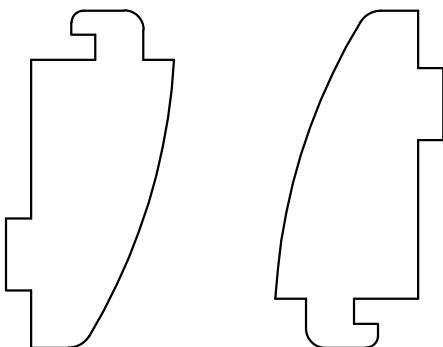
CAMERA BACK PLATE



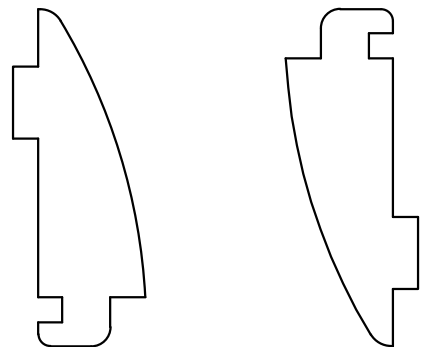
CAMERA SIDE PLATES



SMALL CAMERA SUPPORTS



BIG CAMERA SUPPORTS



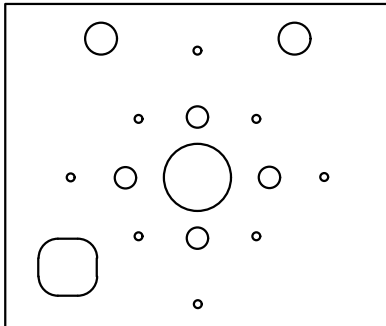


FT Goblin: Wood Parts

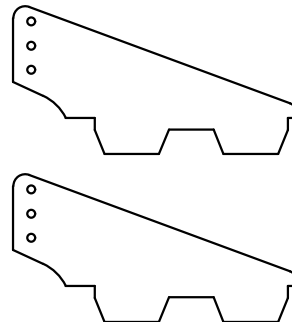


HOBBY GRADE PLYWOOD
3/32" (2.4 mm) THICK

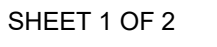
FT SWAPPABLE FIREWALL



FT CONTROL HORNS



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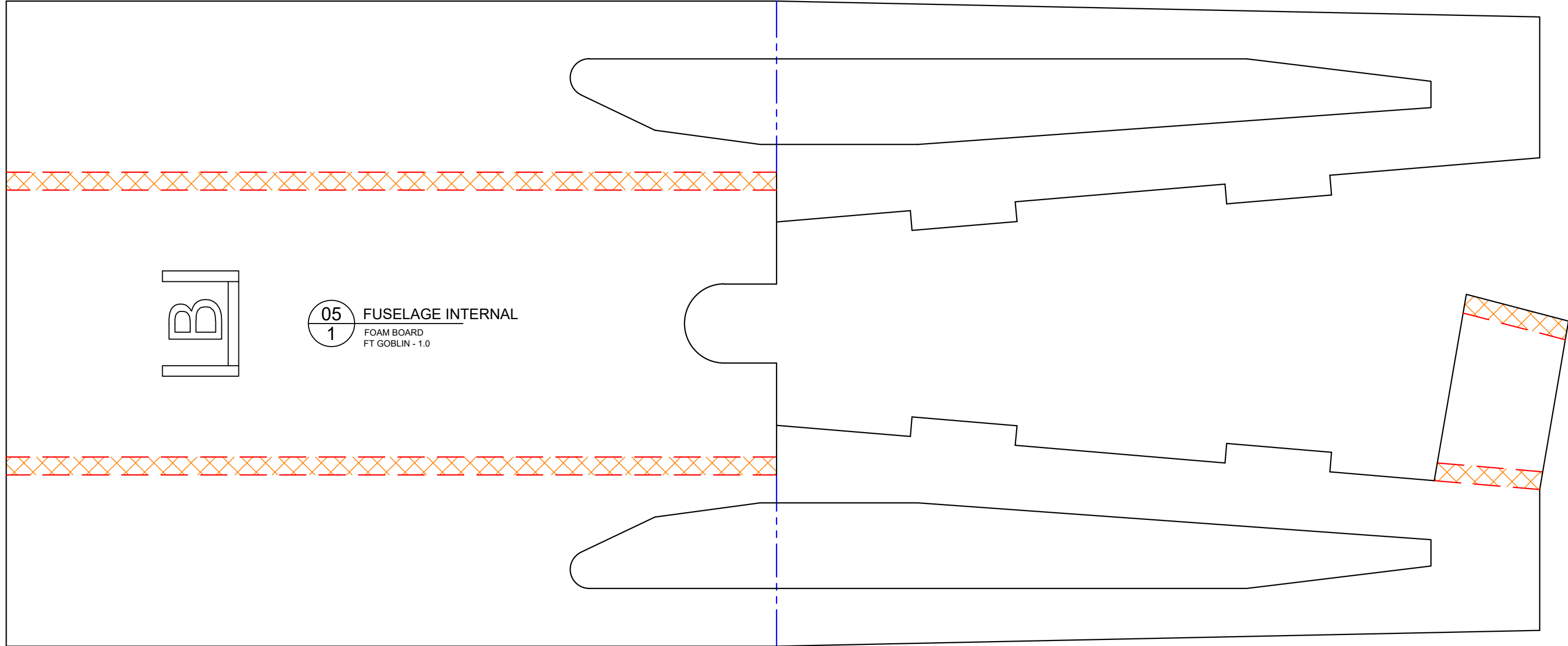
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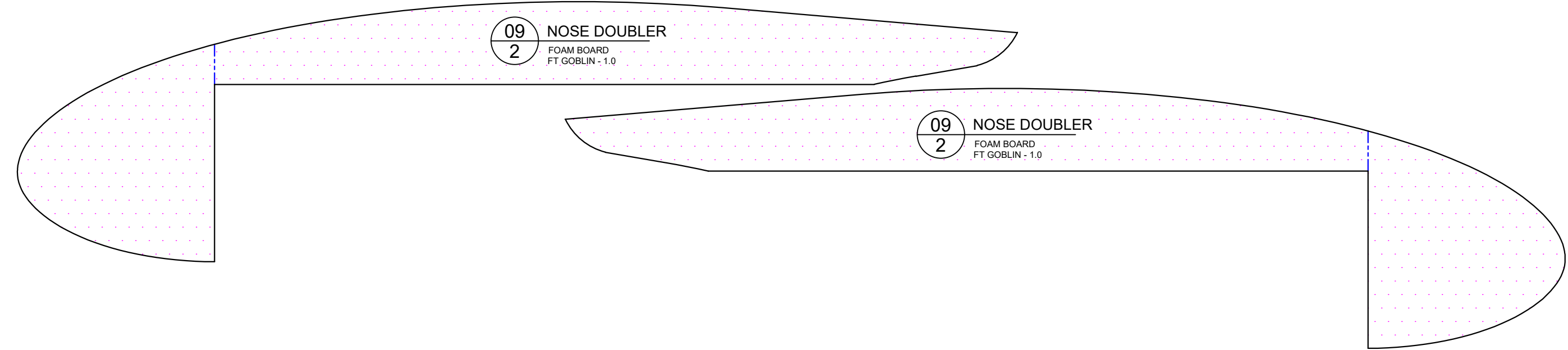
SPONZ



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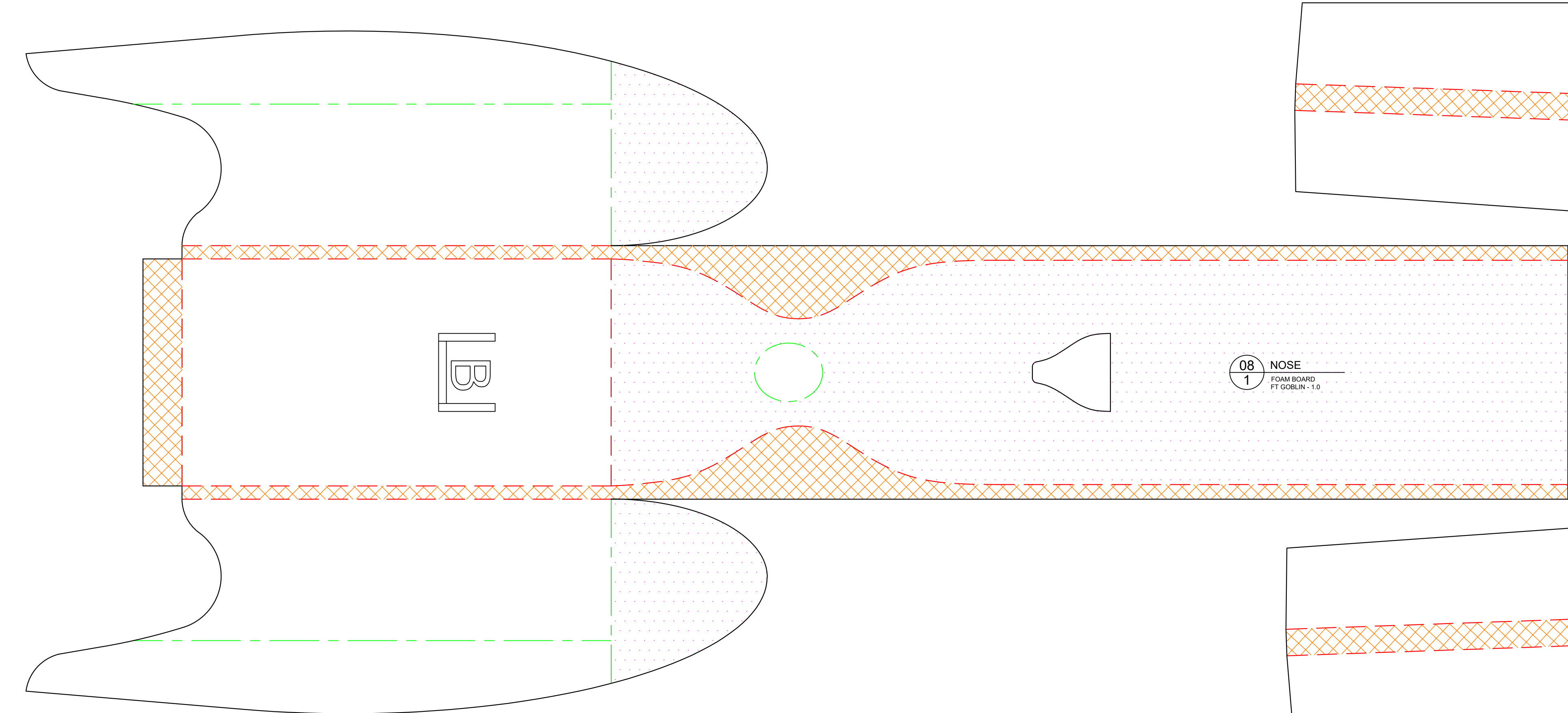


05 FUSELAGE INTERNAL
FOAM BOARD
FT GOBLIN - 1.0

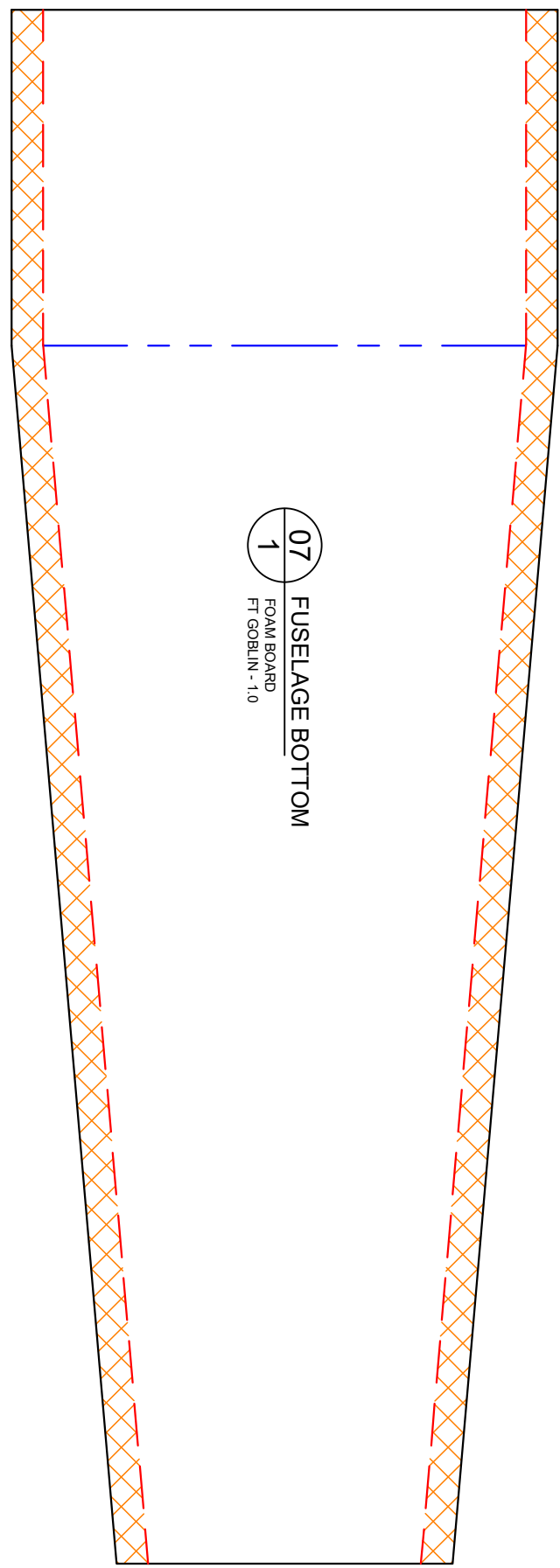


09 NOSE DOUBLER
FOAM BOARD
FT GOBLIN - 1.0

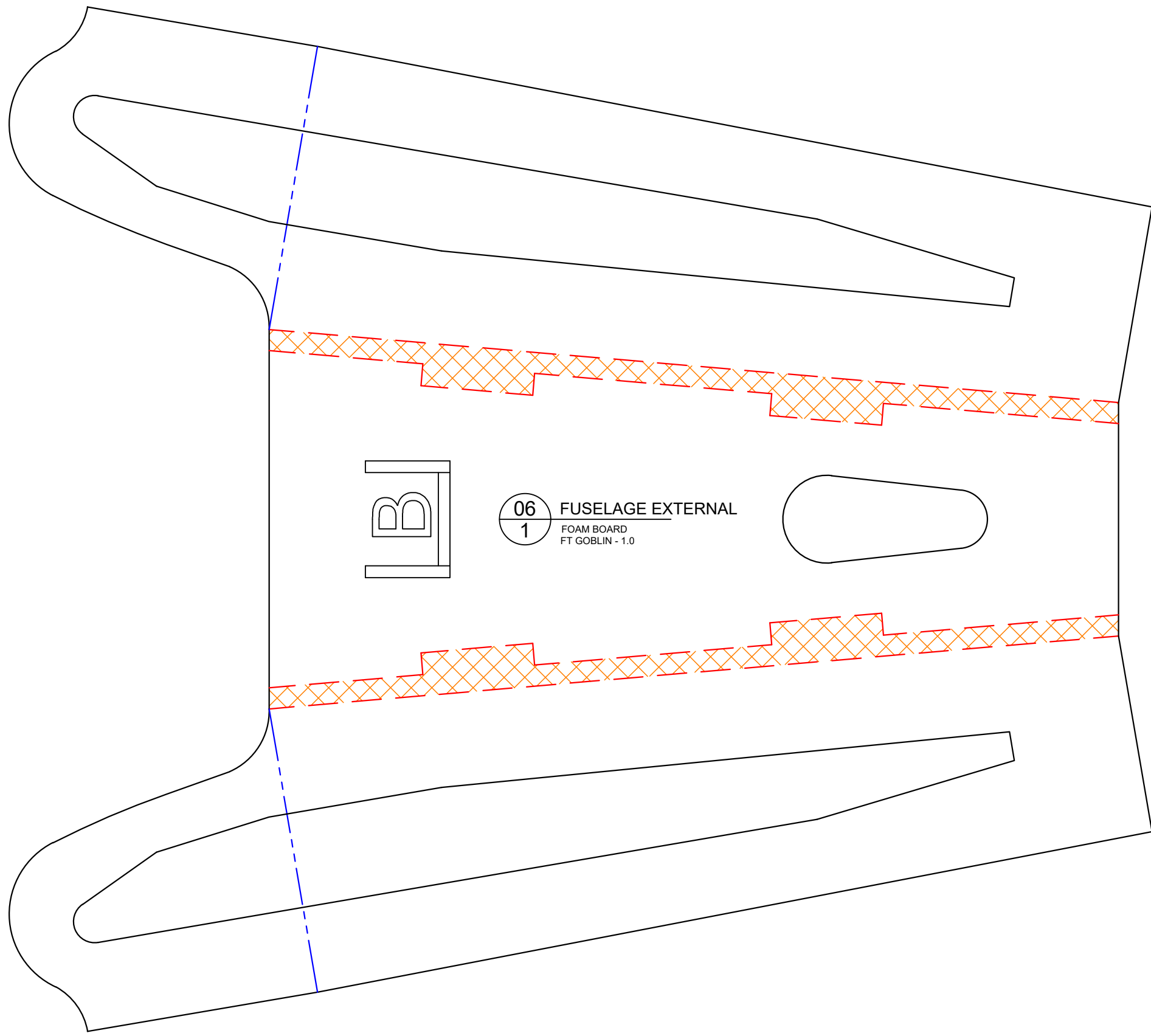
09 NOSE DOUBLER
FOAM BOARD
FT GOBLIN - 1.0



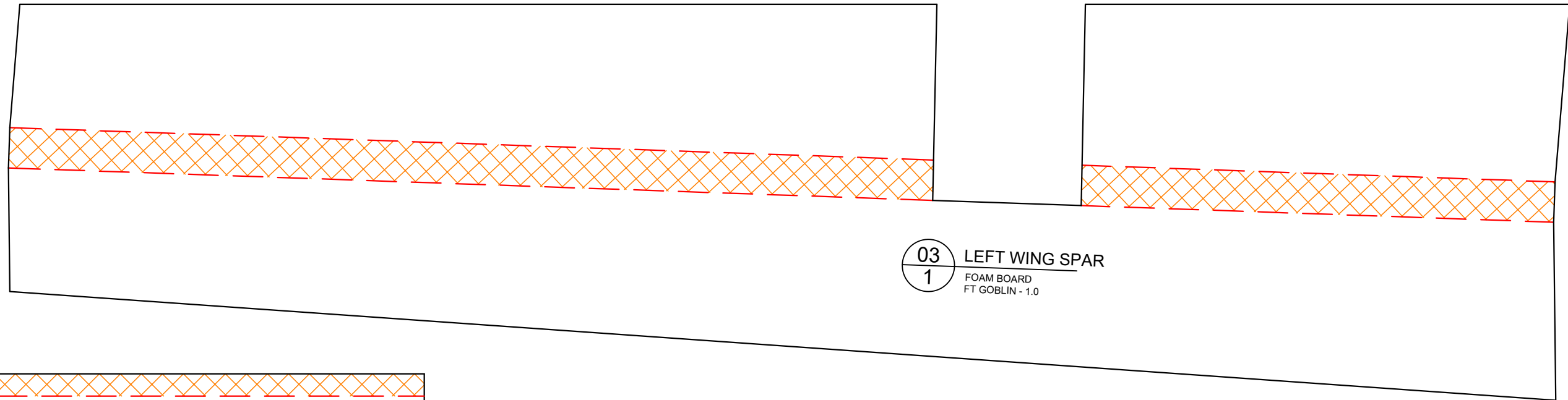
08 NOSE
FOAM BOARD
FT GOBLIN - 1.0



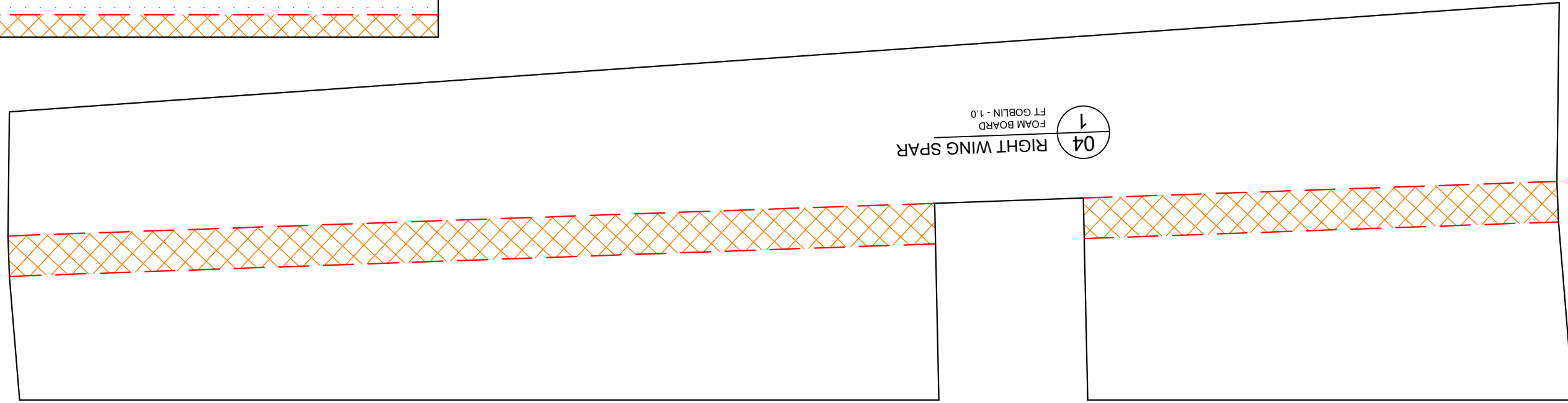
07 FUSELAGE BOTTOM
FOAM BOARD
FT GOBLIN - 1.0



06 FUSELAGE EXTERNAL
FOAM BOARD
FT GOBLIN - 1.0



03 LEFT WING SPAR
FOAM BOARD
FT GOBLIN - 1.0



04 RIGHT WING SPAR
FOAM BOARD
FT GOBLIN - 1.0

IN

CM

SHEET 2 OF 2

Template Version 5.0.2

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