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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:

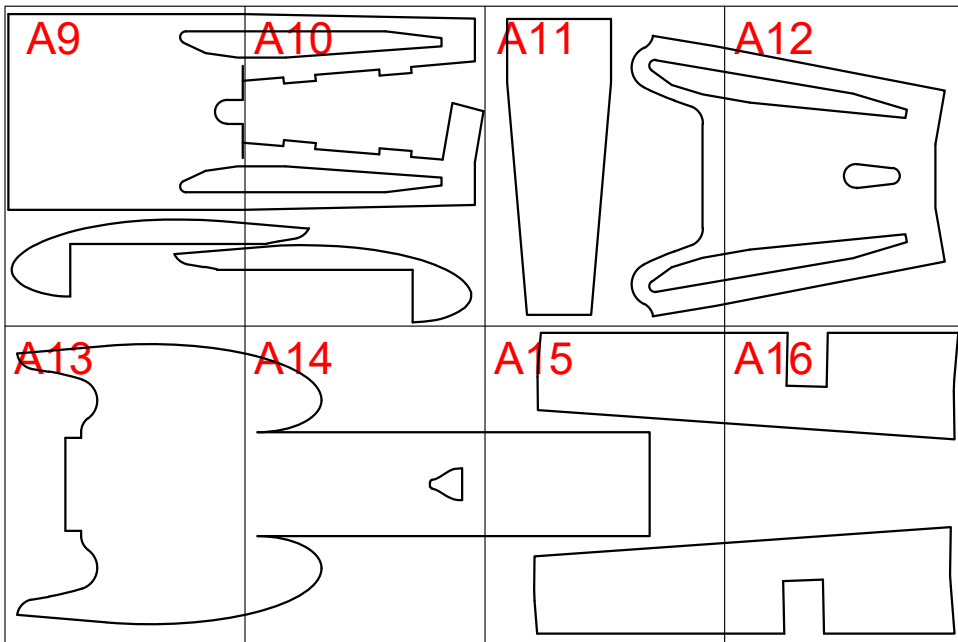
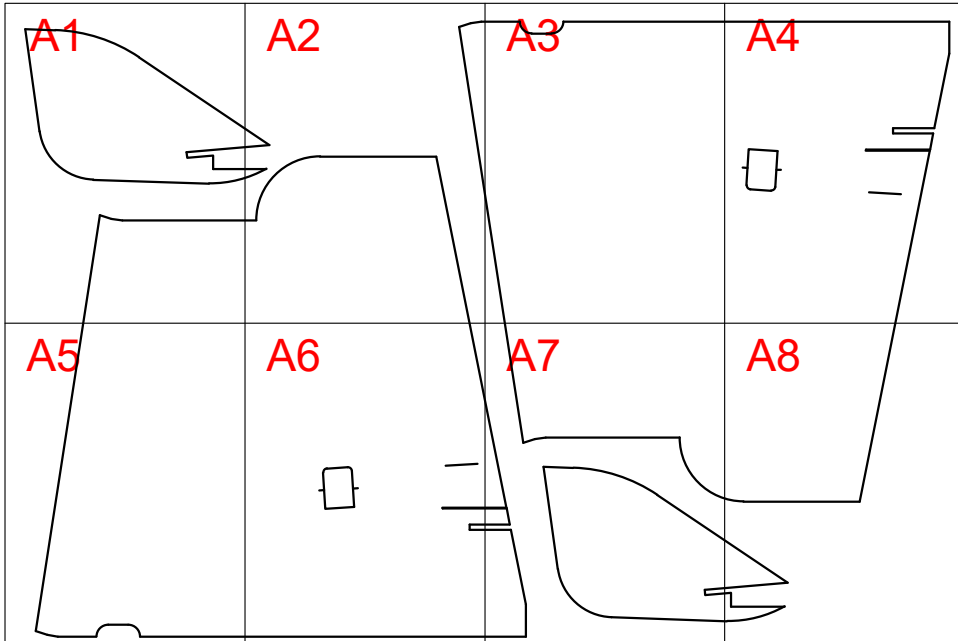


PILOT SKILL LEVEL:





FT Goblin: Tile A Key

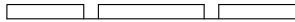
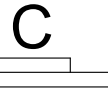
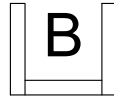
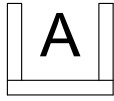




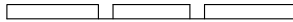
Drawing Key



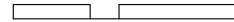
FOLD TYPES



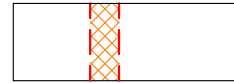
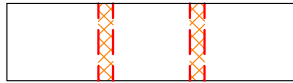
A - FOLD (ABOVE)



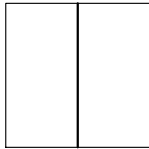
B - FOLD (BESIDE)



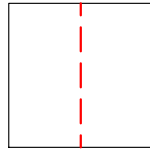
C - FOLD (COVER)



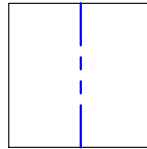
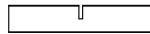
LINE TYPE/COLOR



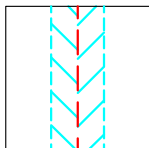
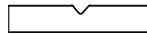
CUT



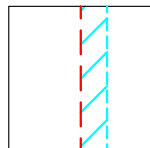
50% SCORE



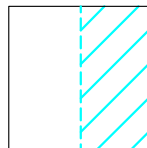
CREASE



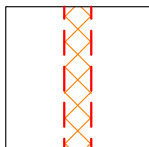
45° DOUBLE BEVEL



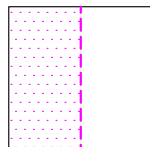
45° SINGLE BEVEL



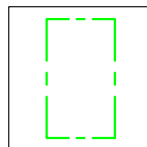
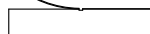
EDGE BEVEL



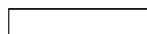
CAVITY



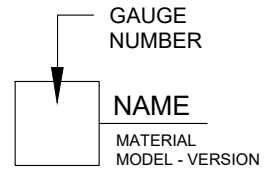
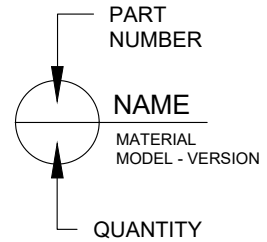
REMOVE PAPER



REFERENCE/
OPTIONAL



SYMBOLS



CENTER OF GRAVITY (CG)

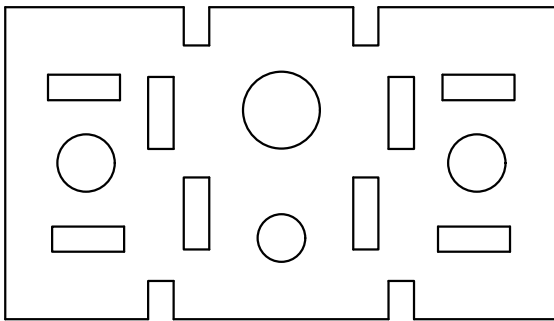


FT Goblin: Wood Parts

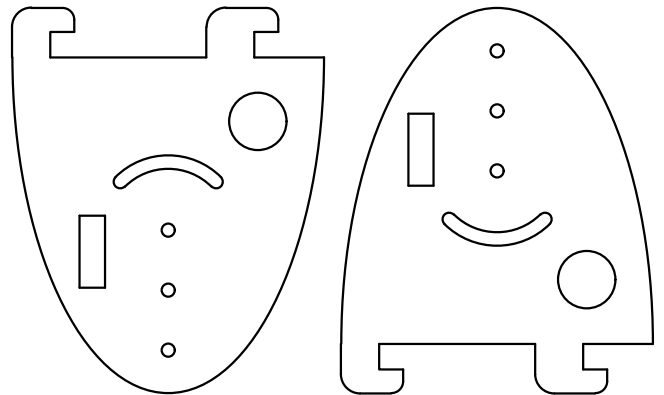


HOBBY GRADE PLYWOOD
1/8" (3.2 mm) THICK

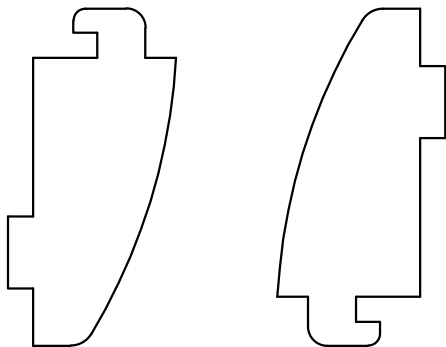
CAMERA BACK PLATE



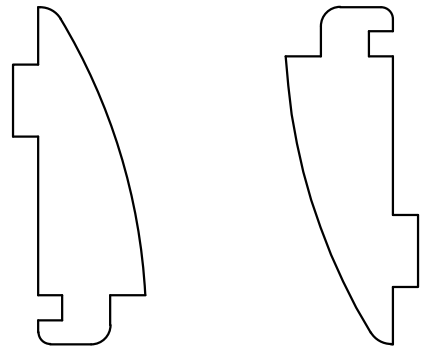
CAMERA SIDE PLATES



SMALL CAMERA SUPPORTS



BIG CAMERA SUPPORTS



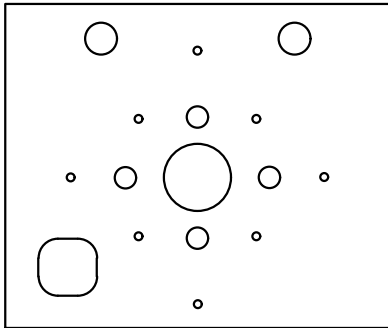


FT Goblin: Wood Parts

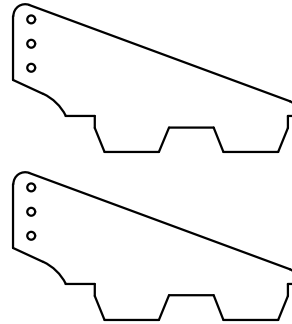


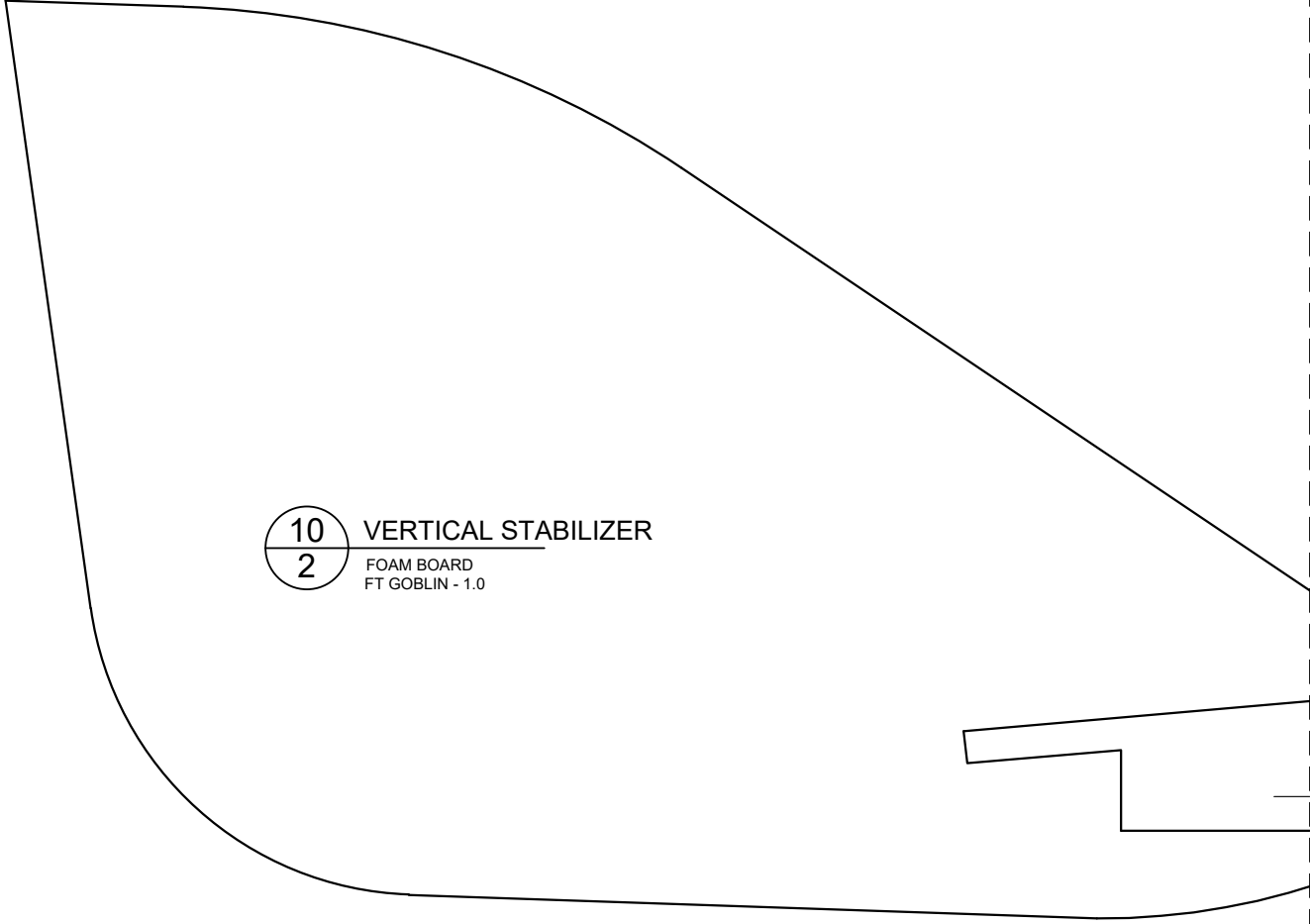
HOBBY GRADE PLYWOOD
3/32" (2.4 mm) THICK

FT SWAPPABLE FIREWALL

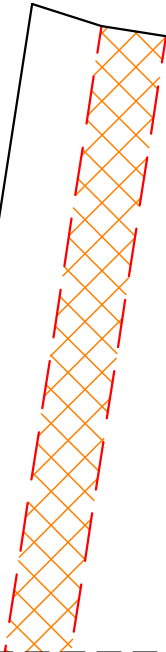


FT CONTROL HORNS



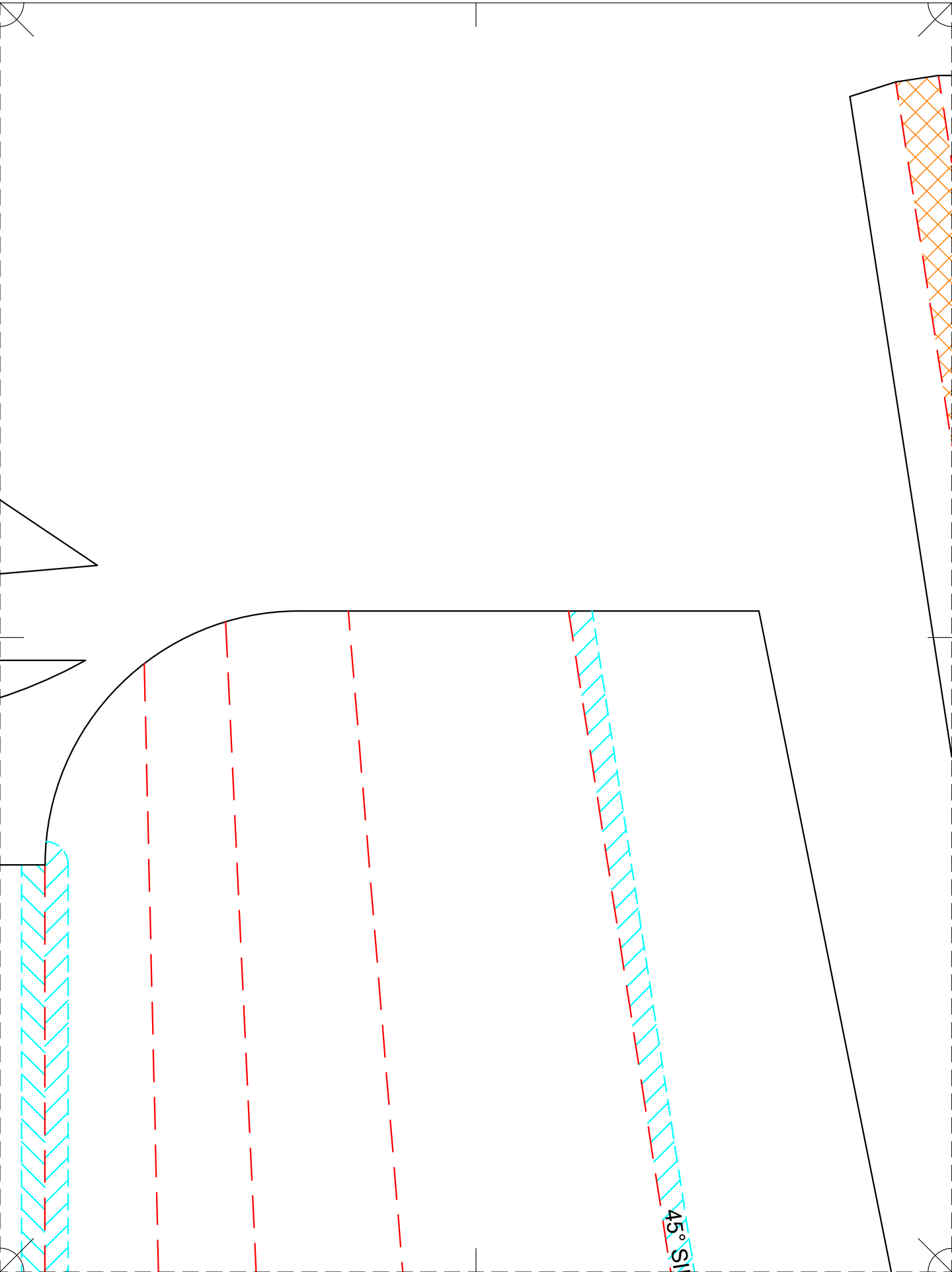


10 VERTICAL STABILIZER
2 FOAM BOARD
FT GOBLIN - 1.0

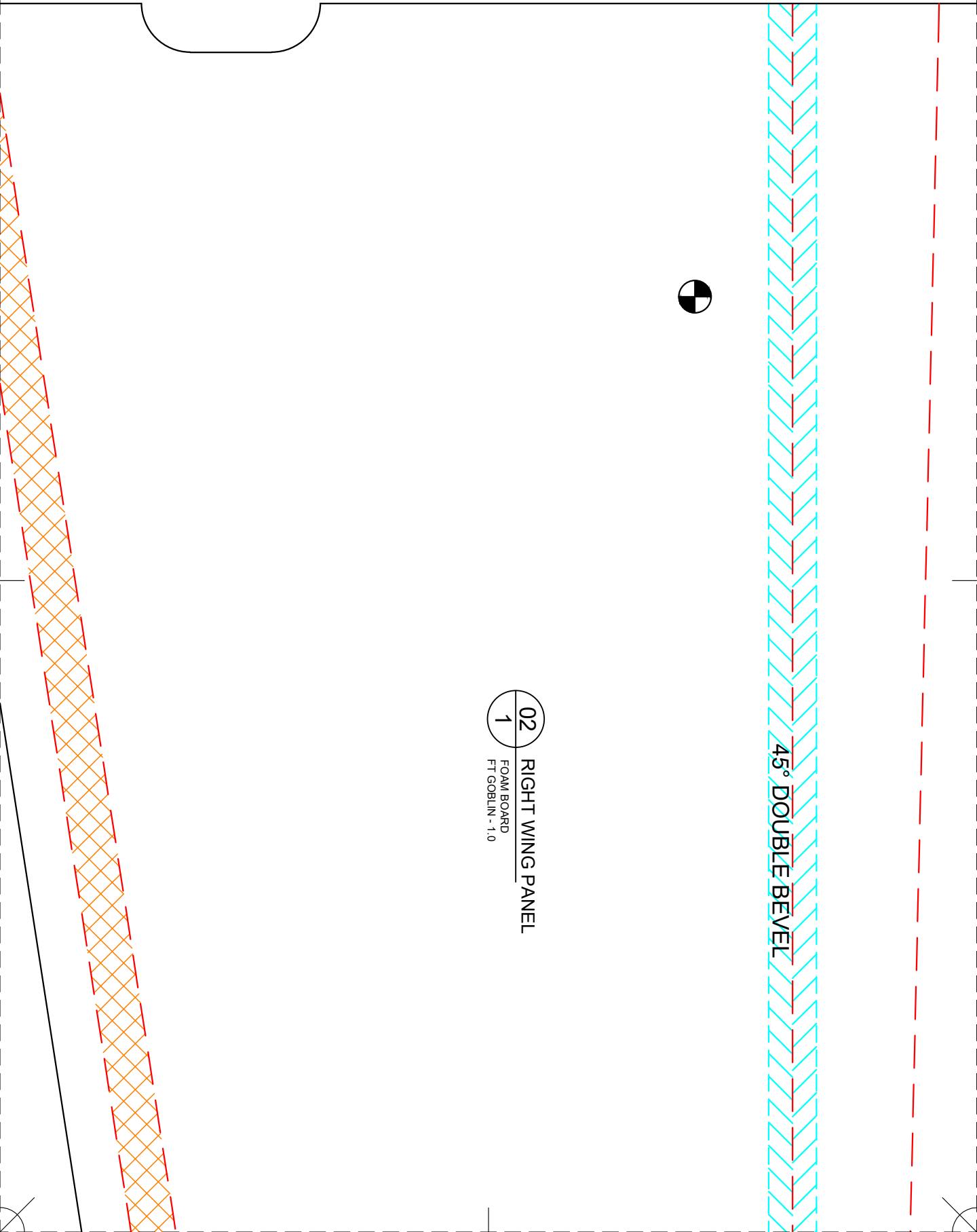




IN
CM

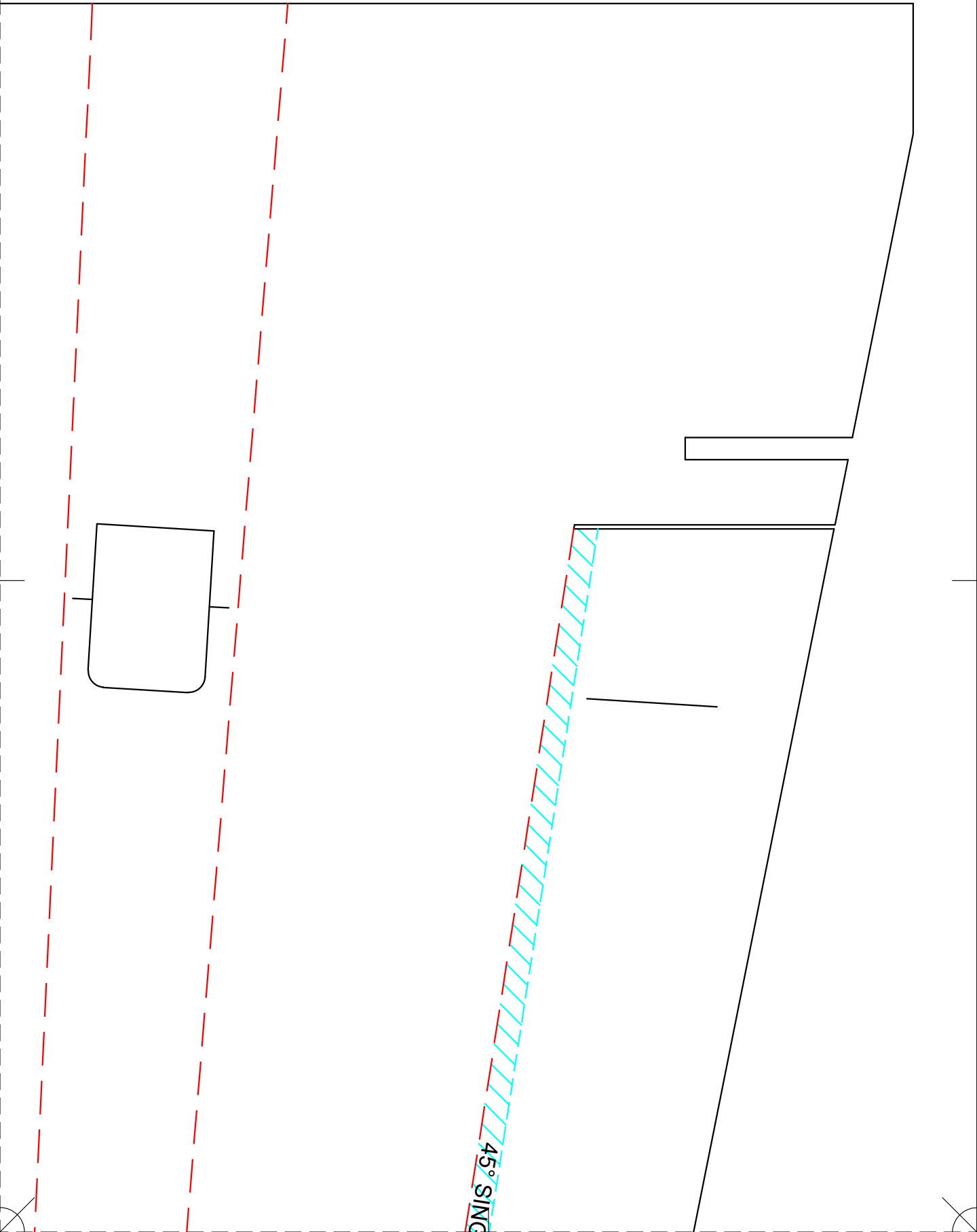


45° Sill



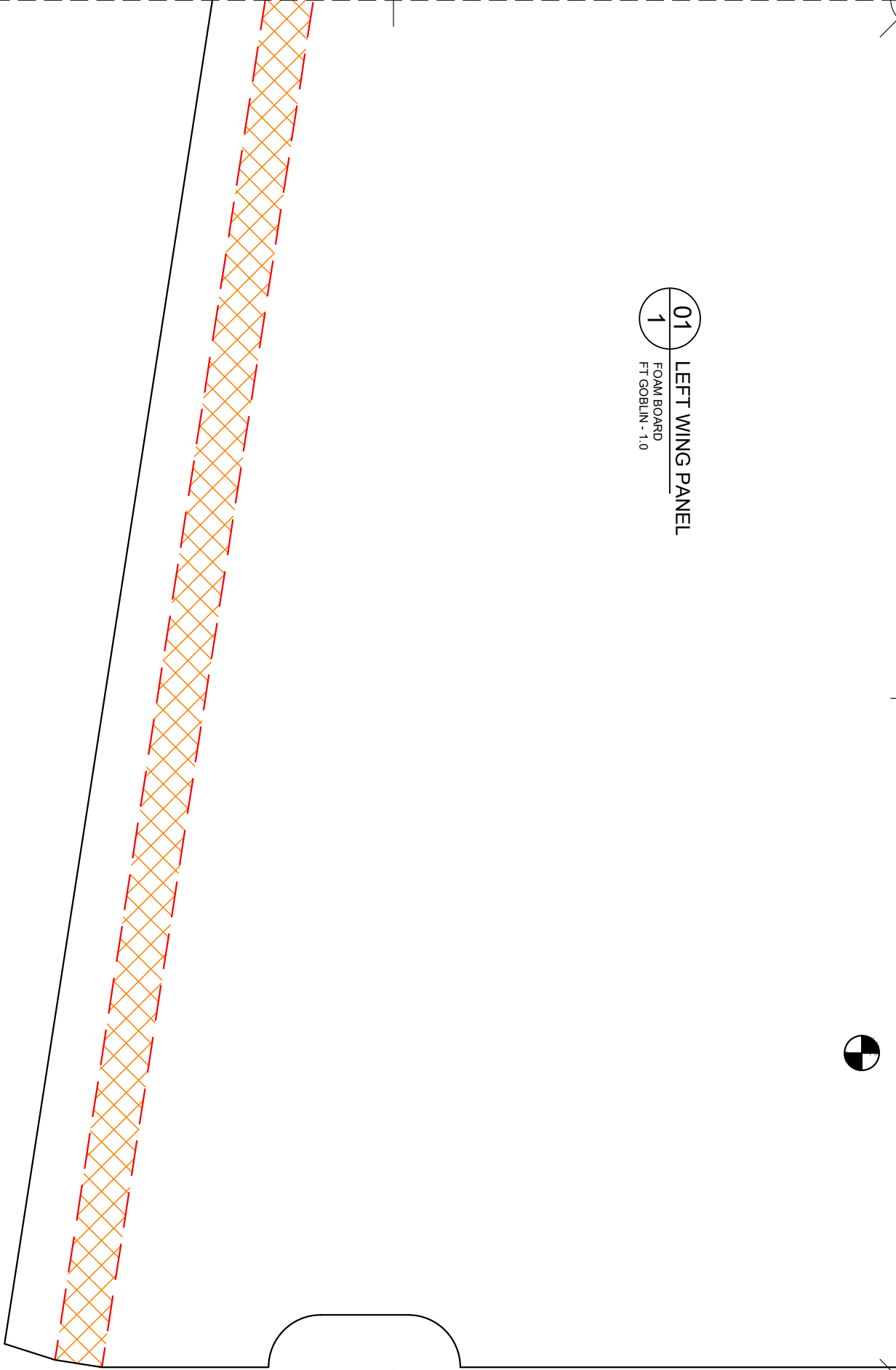
02
RIGHT WING PANEL
FOAM BOARD
1
FT GOBLIN - 1.0

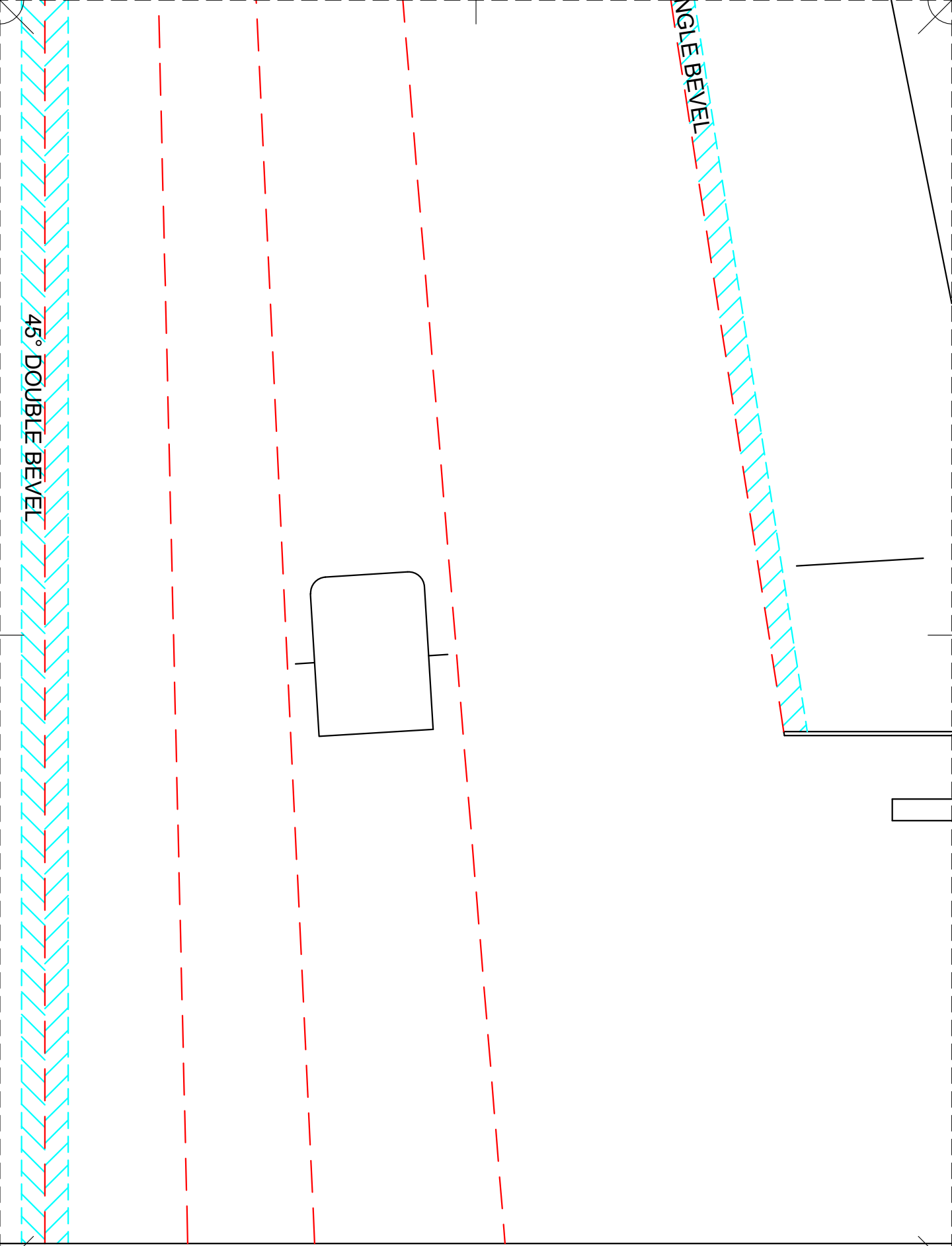
45° DOUBLE BEVEL



45° SING

01 LEFT WING PANEL
FOAM BOARD
1 FT GOBLIN - 1.0

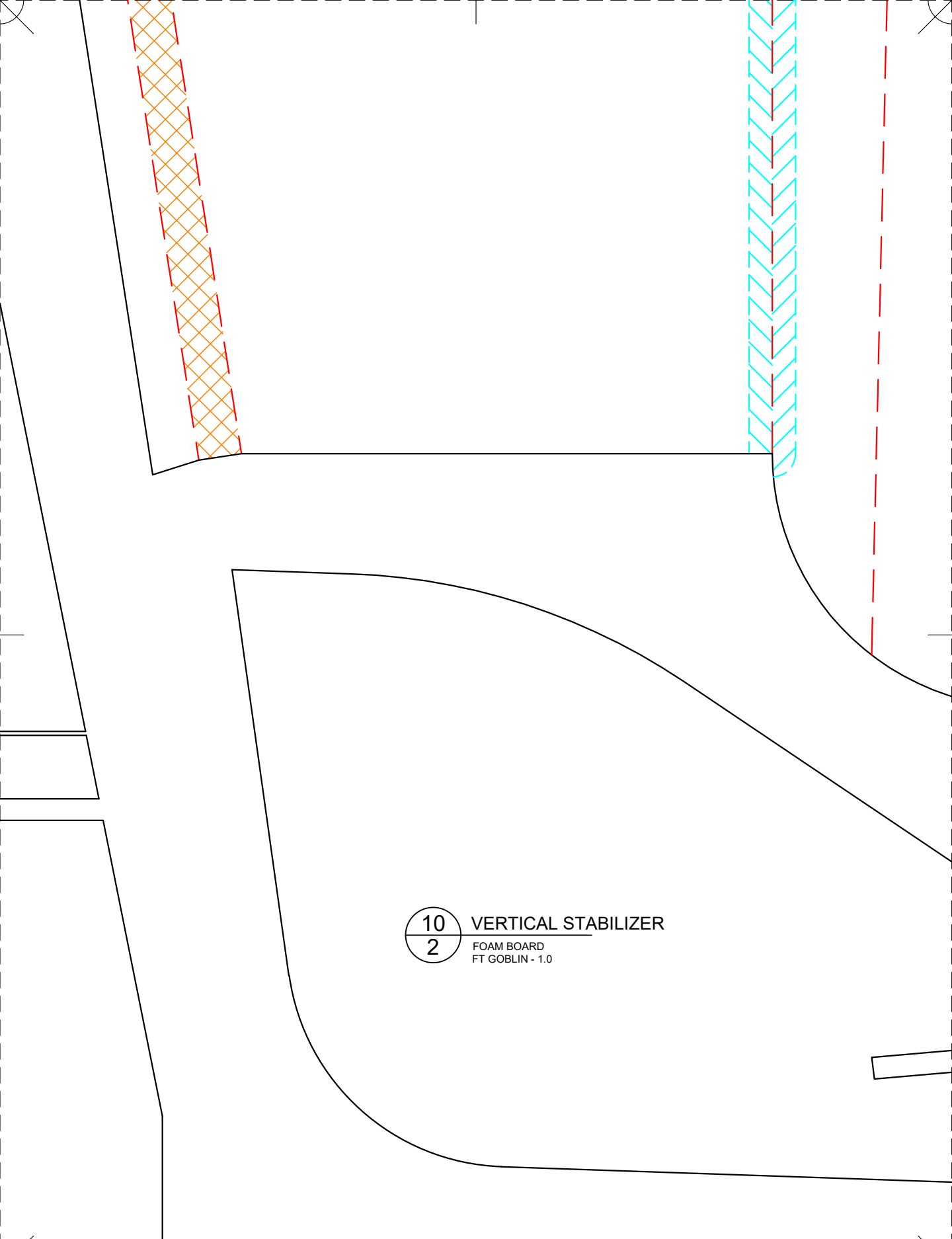




45° DOUBLE BEVEL

45° SINGLE BEVEL



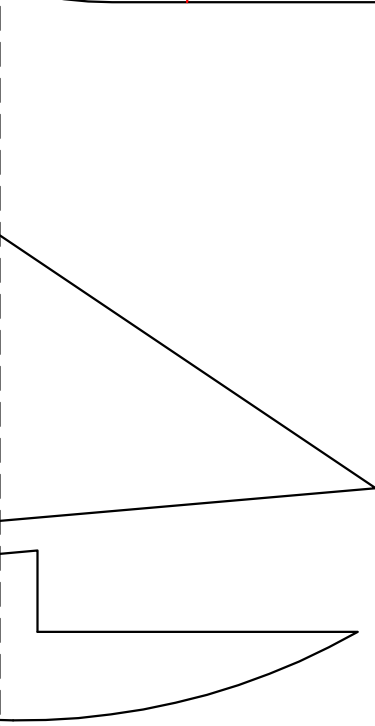
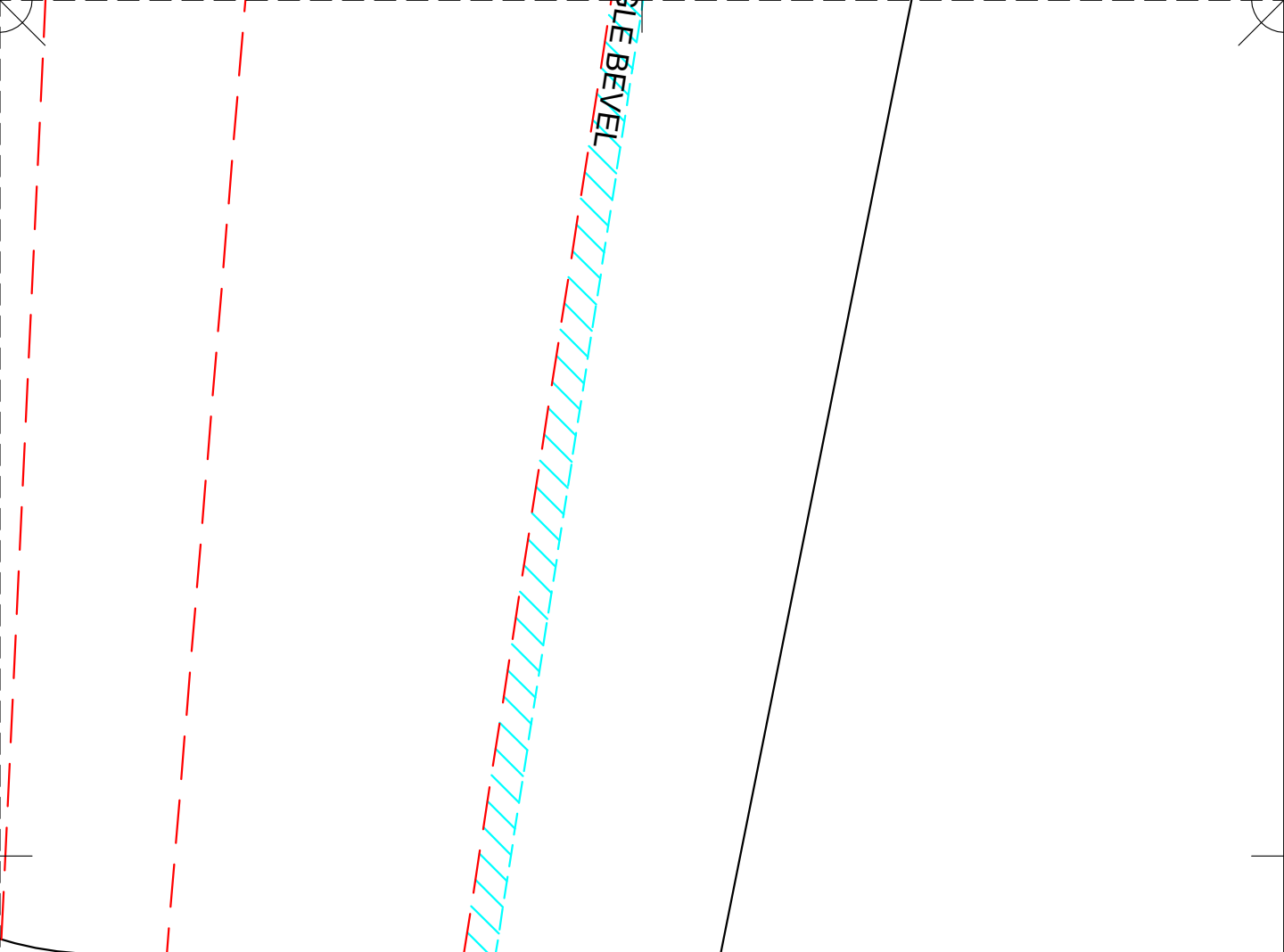


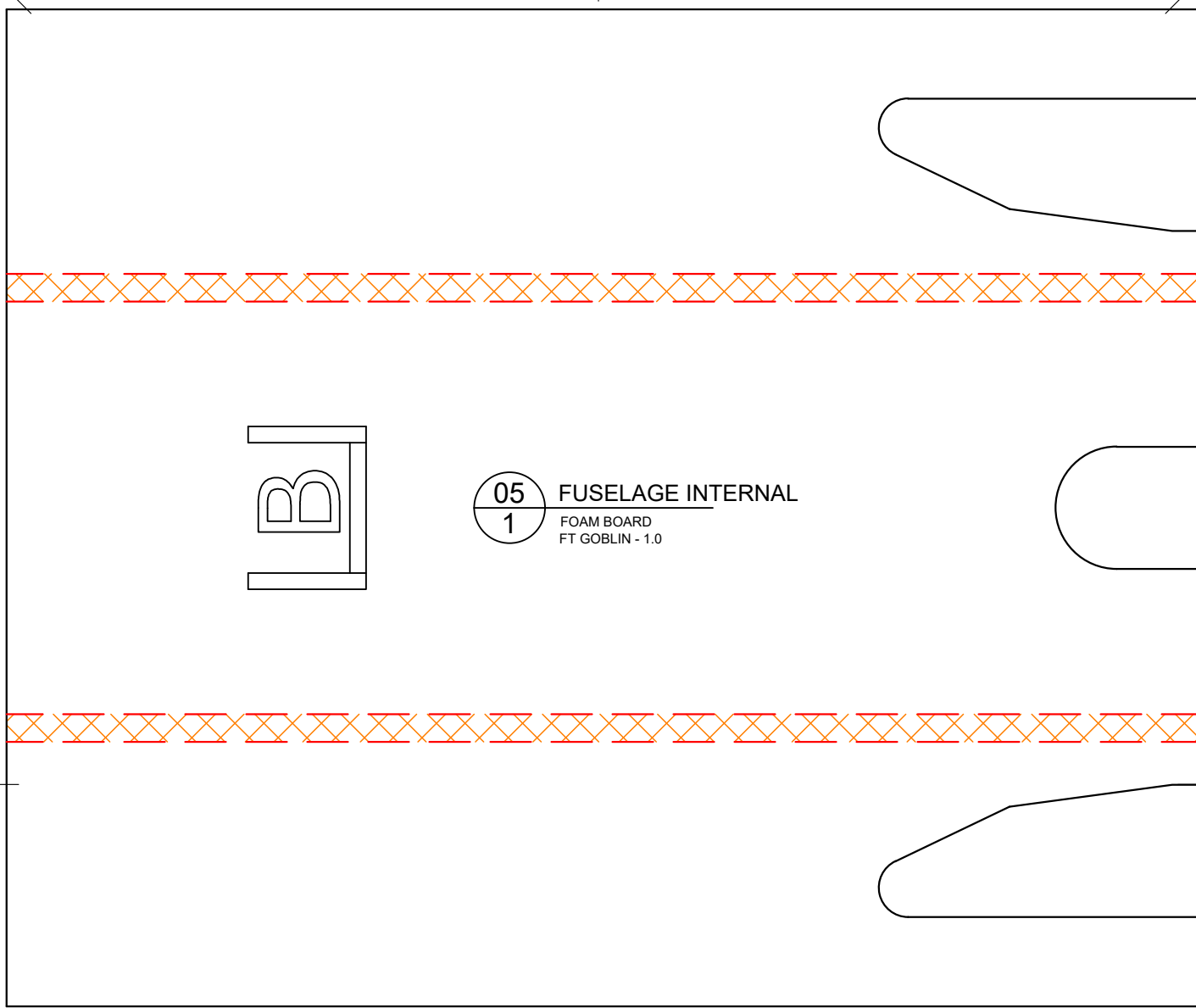
10
2

VERTICAL STABILIZER

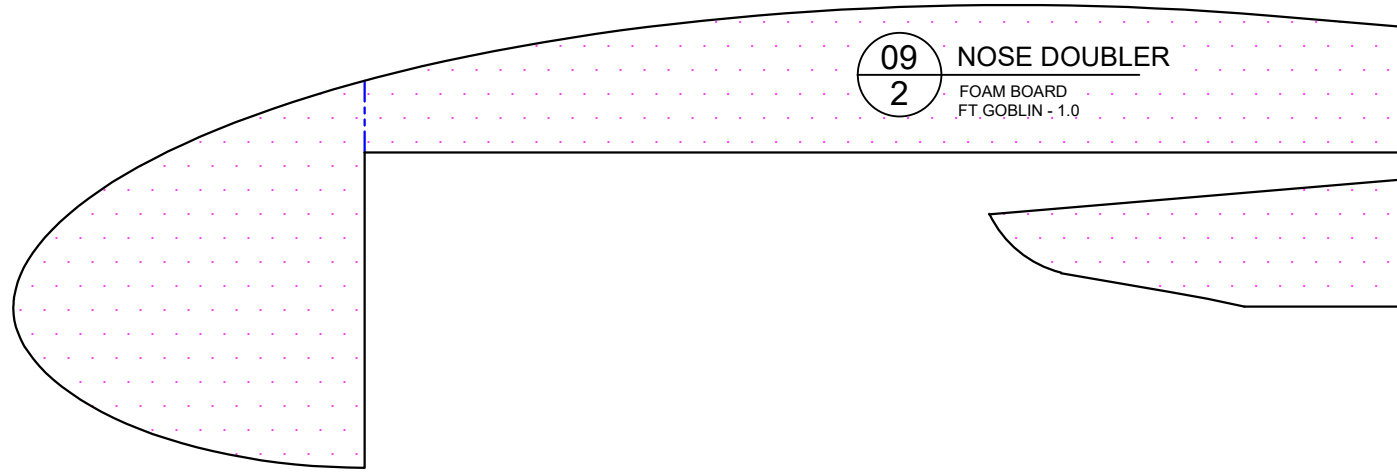
FOAM BOARD
FT GOBLIN - 1.0



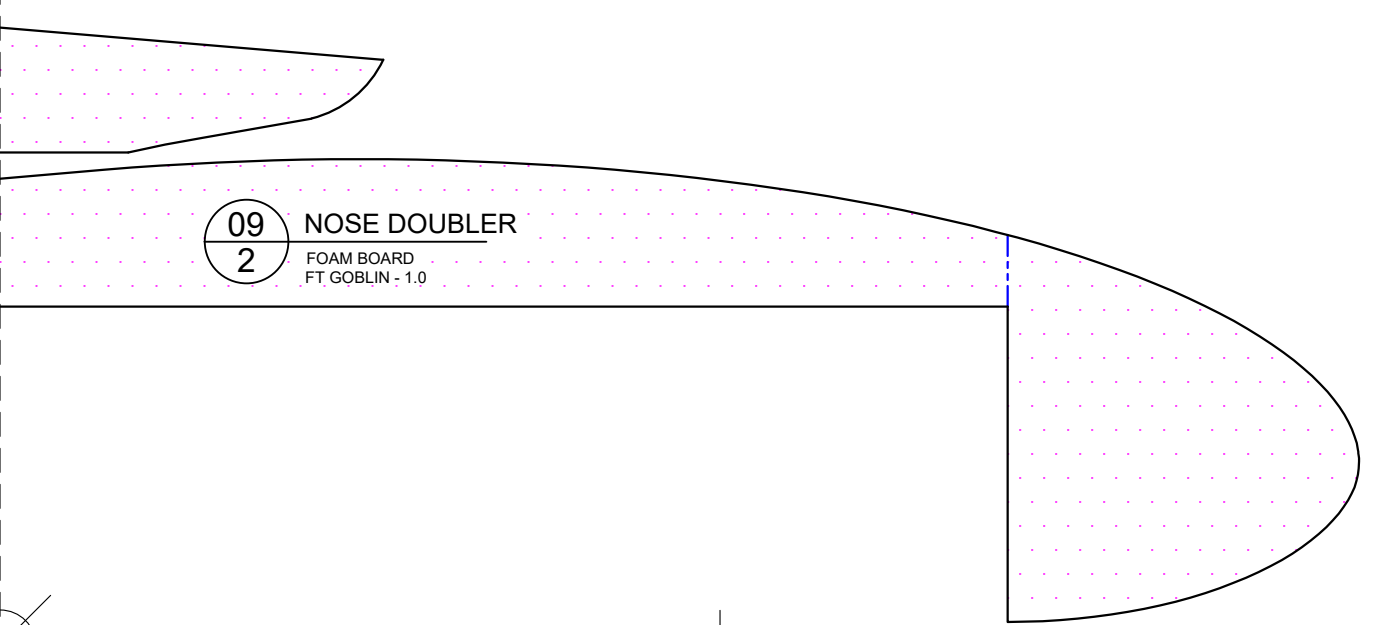
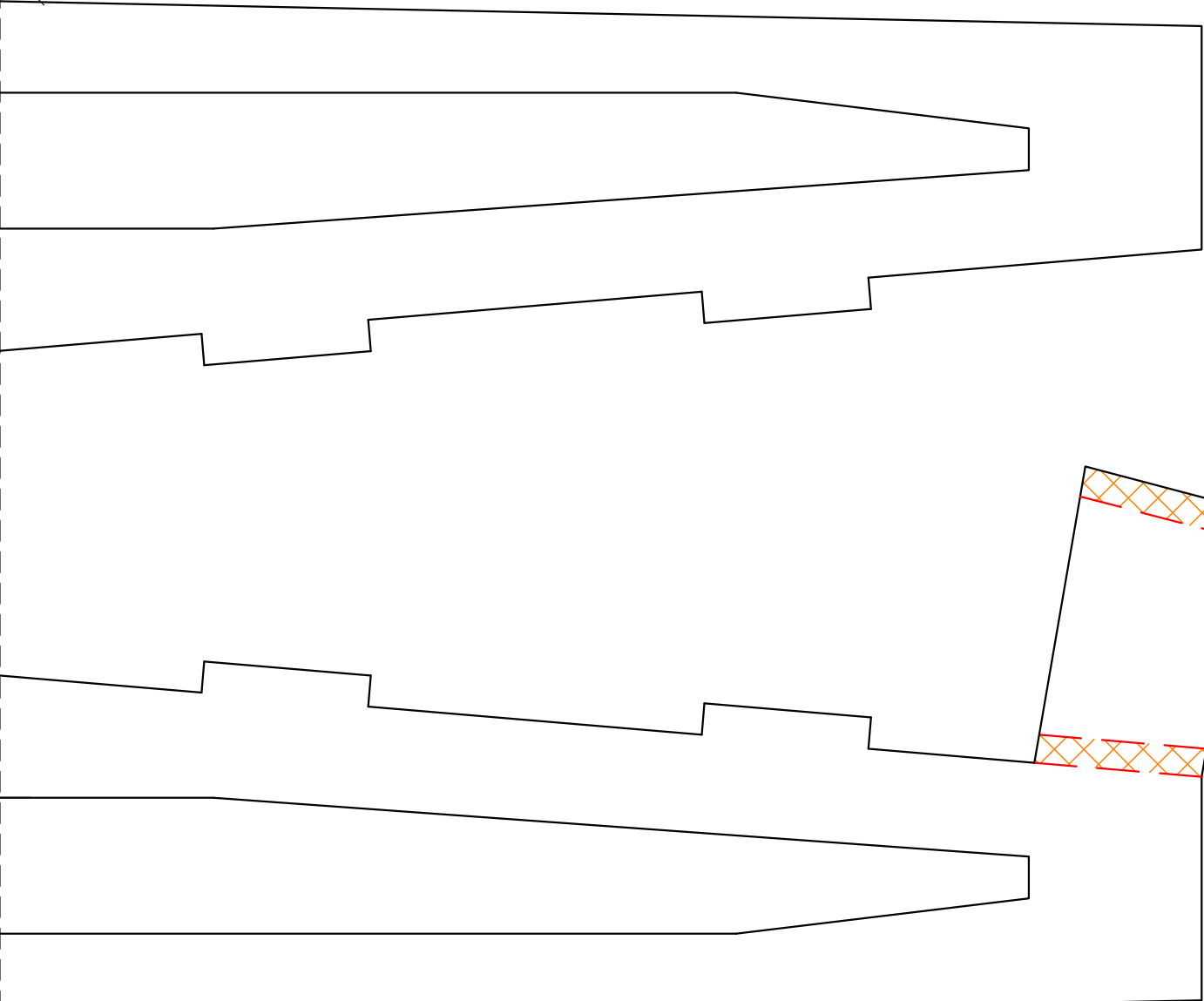




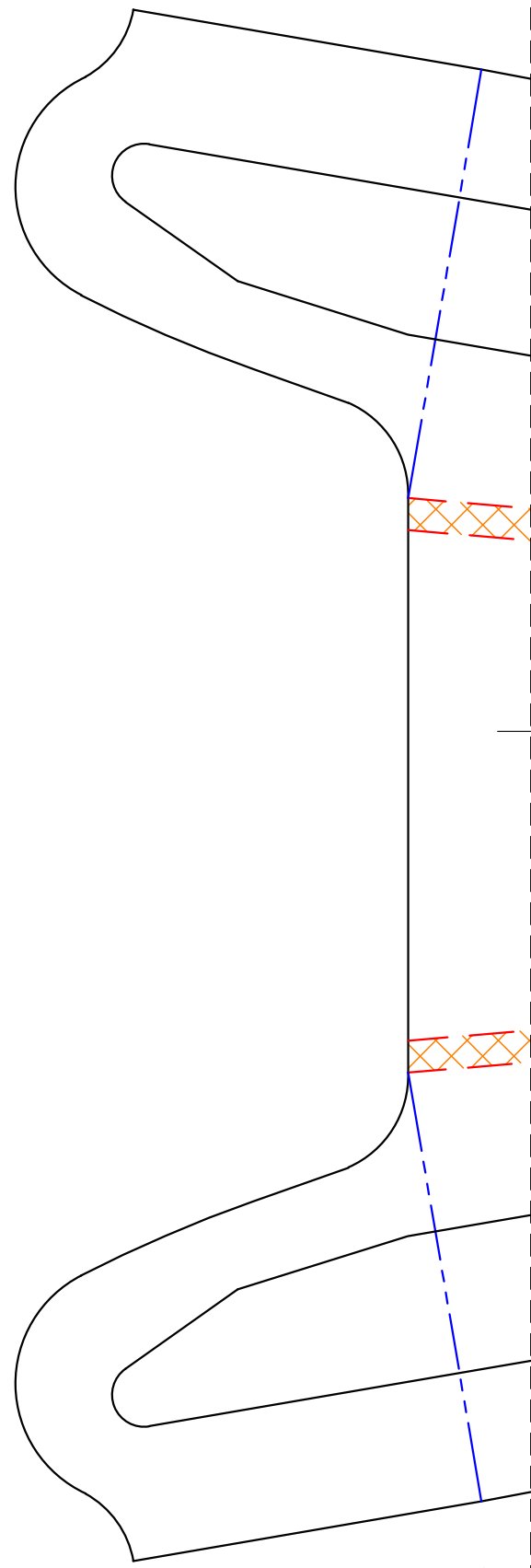
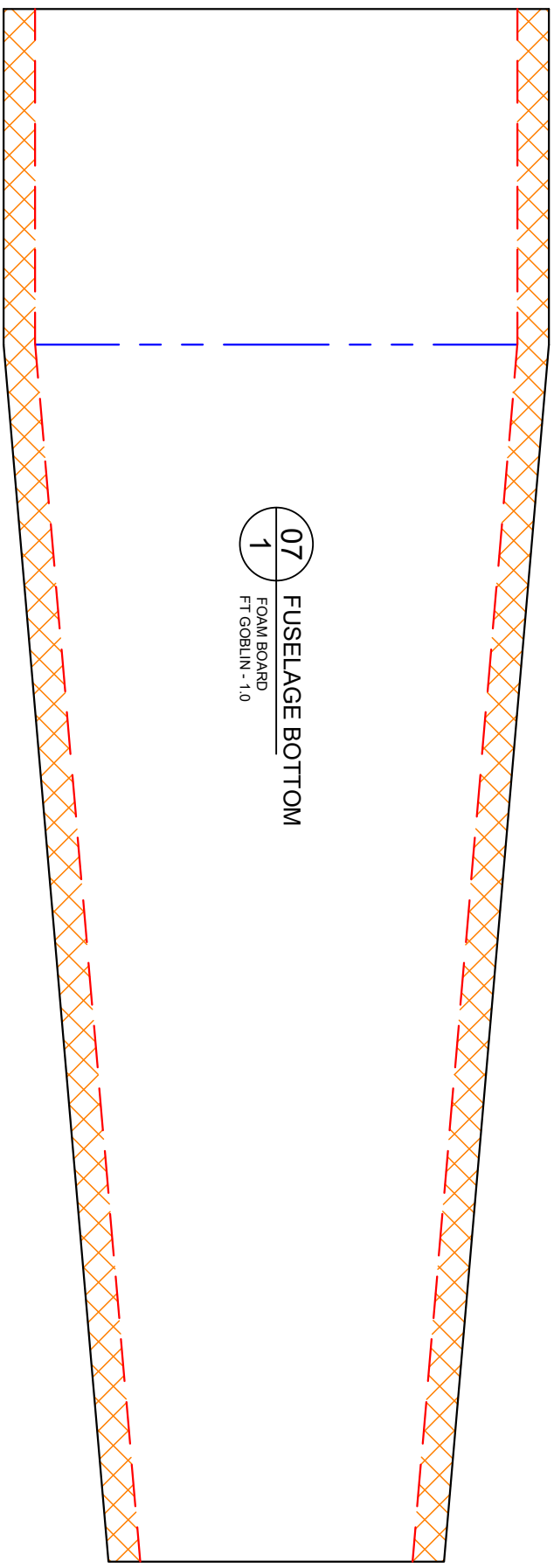
05
1 **FUSELAGE INTERNAL**
FOAM BOARD
FT GOBLIN - 1.0

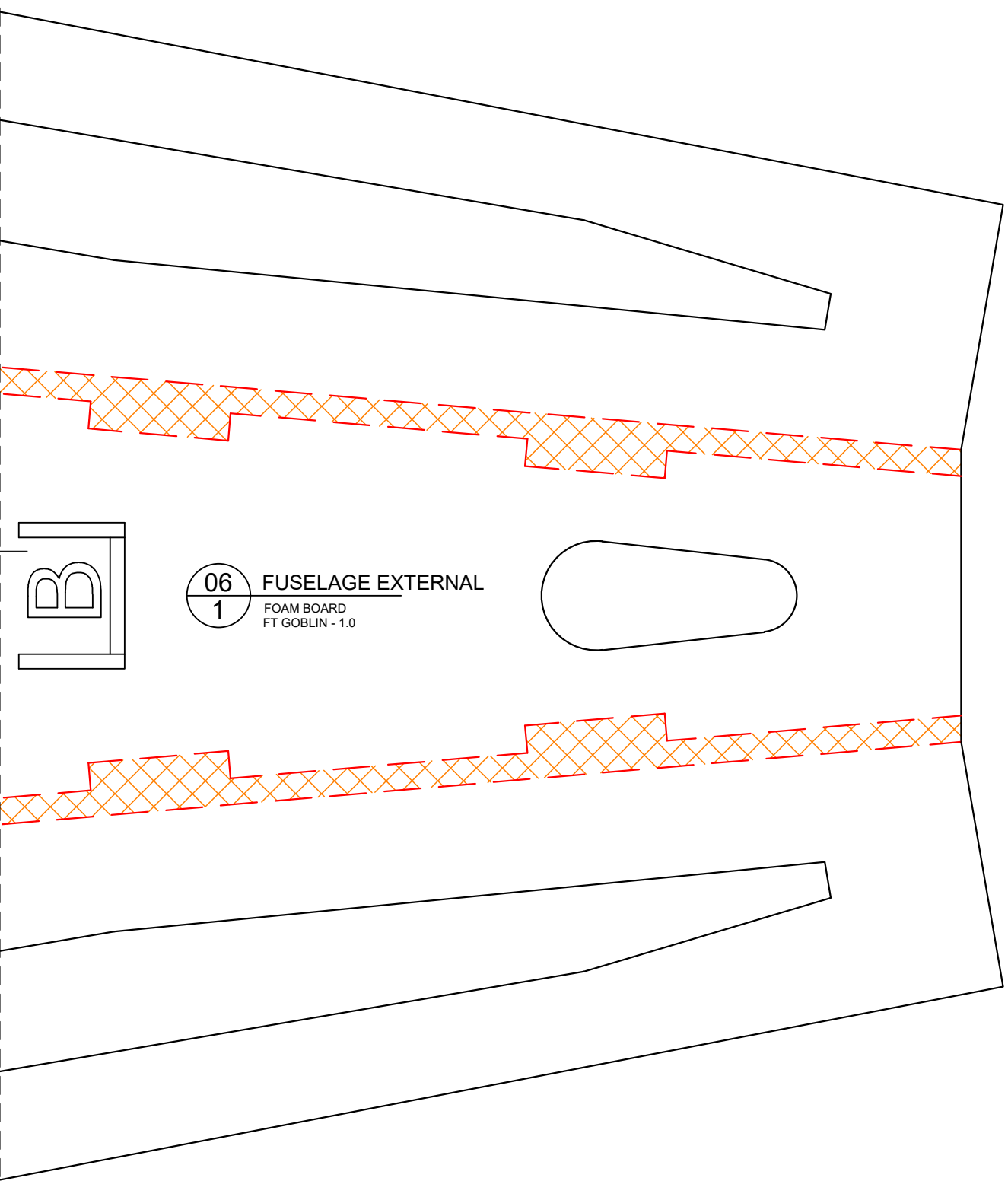


09
2 **NOSE DOUBLER**
FOAM BOARD
FT GOBLIN - 1.0



09 NOSE DOUBLER
2 FOAM BOARD
FT GOBLIN - 1.0

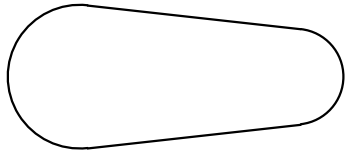
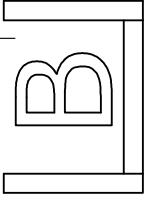


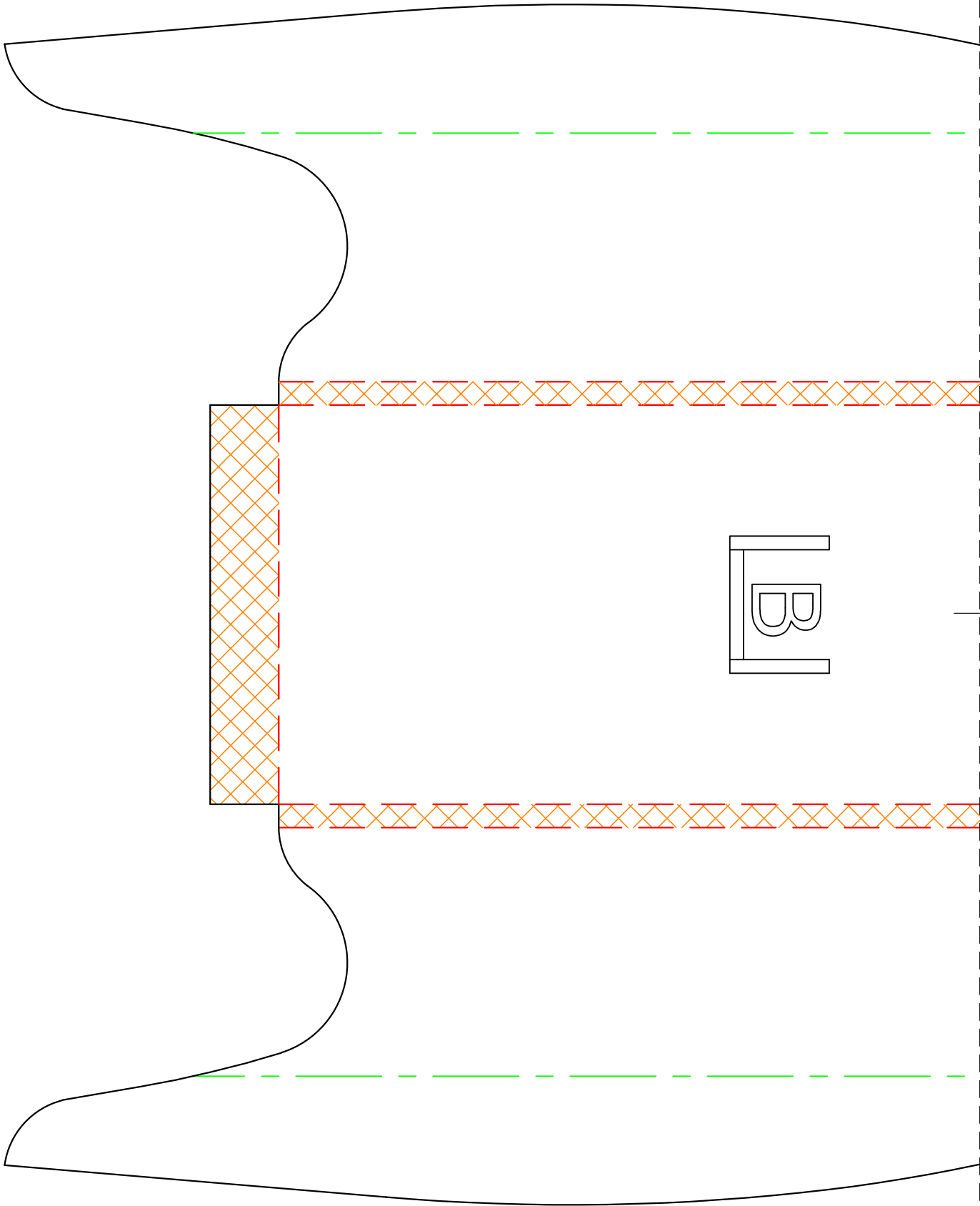


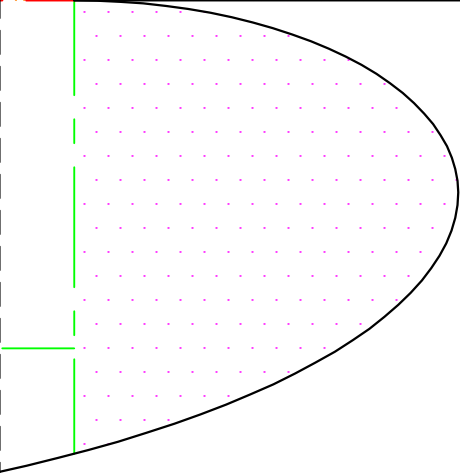
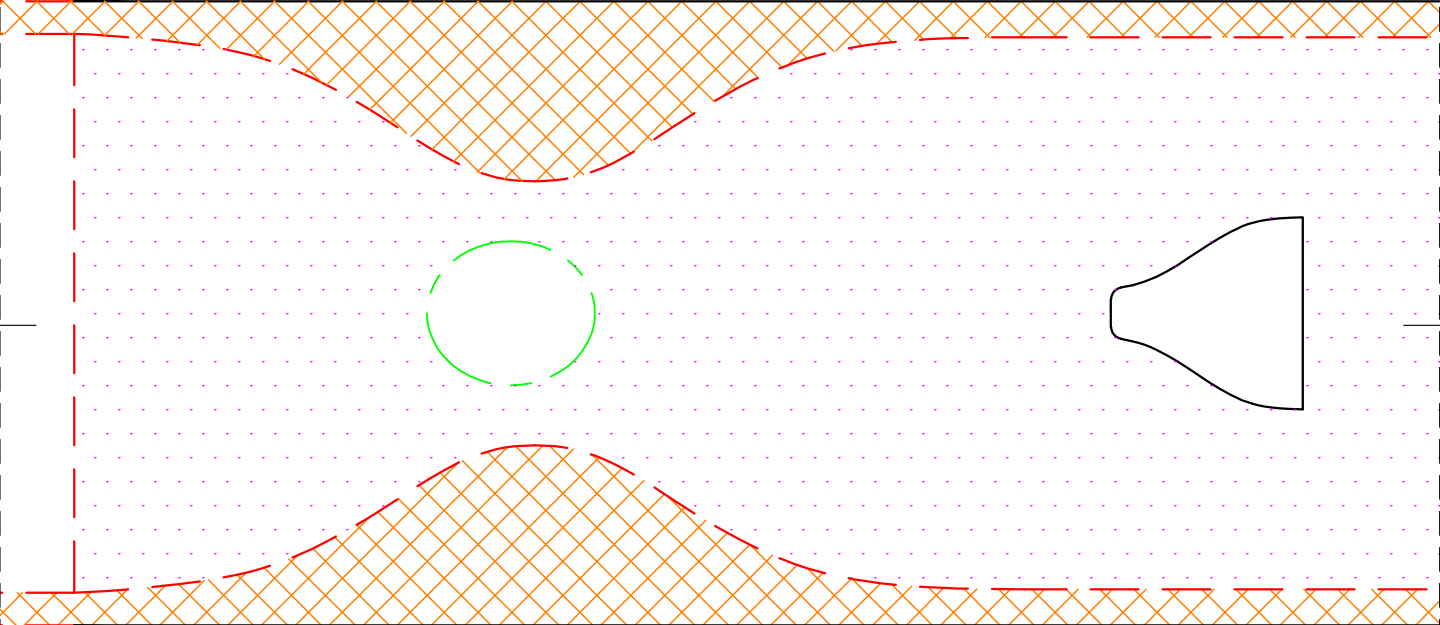
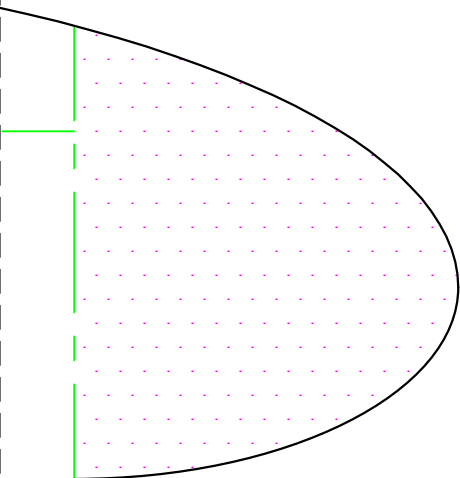
06
1

FUSELAGE EXTERNAL

FOAM BOARD
FT GOBLIN - 1.0







08
1

NOSE

FOAM BOARD
FT GOBLIN - 1.0



03
1

LEFT WING SPAR

FOAM BOARD
FT GOBLIN - 1.0

04
1

RIGHT WING SPAR

FOAM BOARD
FT GOBLIN - 1.0

