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# FT LongEZ

Designed By: Alex Zvada & Josh Bixler

Drawing By: Dan Sponholz

Version: 1.0

Date: 2018.09.15

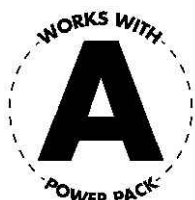


## GENERAL SPECIFICATIONS:

LENGTH:	16.00 in	406 mm
WINGSPAN:	19.00 in	483 mm
WING AREA:	99.5 in <sup>2</sup>	6.4 dm <sup>2</sup>
DRY WEIGHT:	5.5 oz.	156 g
ALL UP WEIGHT:	7.9 oz.	226 g
WING LOADING:	11.5 oz/ft <sup>2</sup>	35 g/dm <sup>2</sup>
WCL:	13.9	
THROWS:	12°	
EXPO:	30%	
CHANNELS:	2 [THR   ELEVONS]	

## RECOMMENDED ELECTRONICS:

MOTOR:	1806 2300kV (min.)
PROPELLER:	5 x 3 - 6 x 4.5
ESC:	12 Amp (min.)
SERVOS:	2X ~5 Gram Micro
BATTERY:	2s-3s LiPo 650-850mAh



## BUILD SKILL LEVEL:

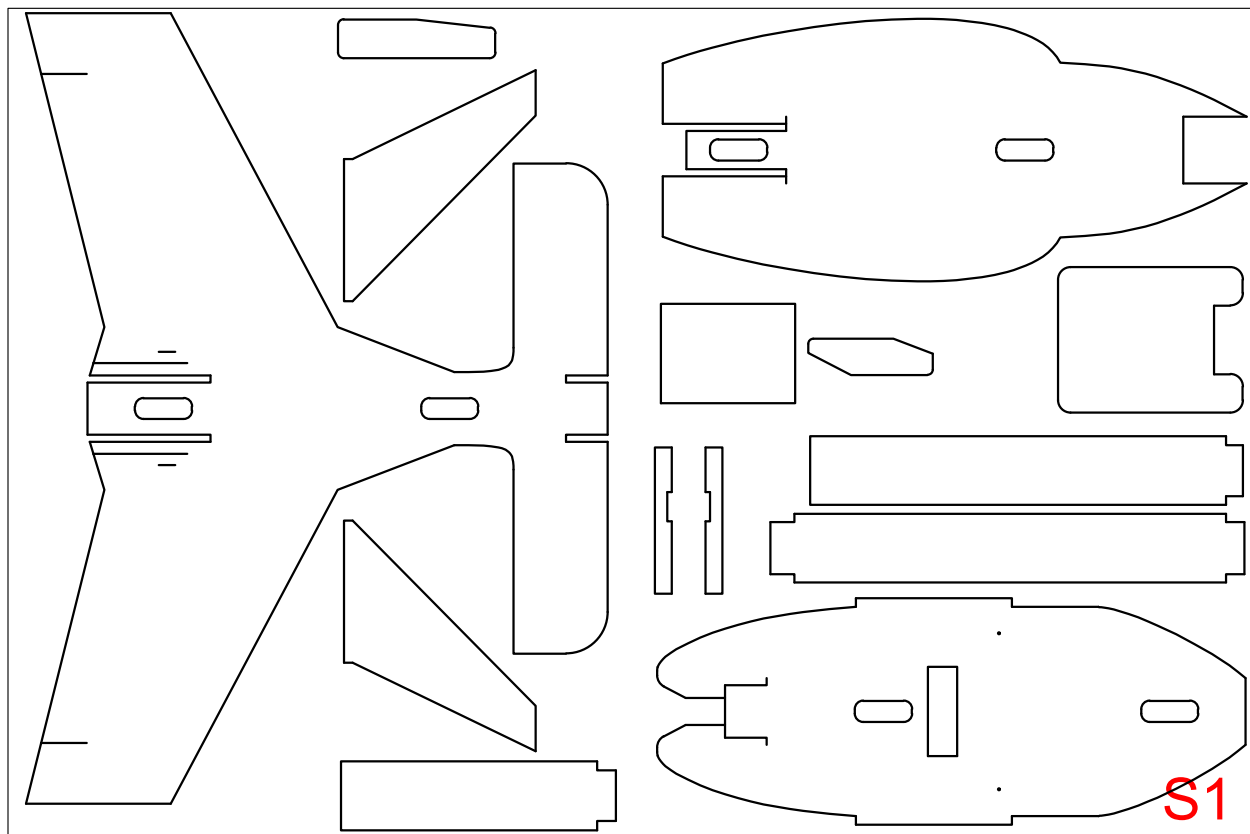


## PILOT SKILL LEVEL:



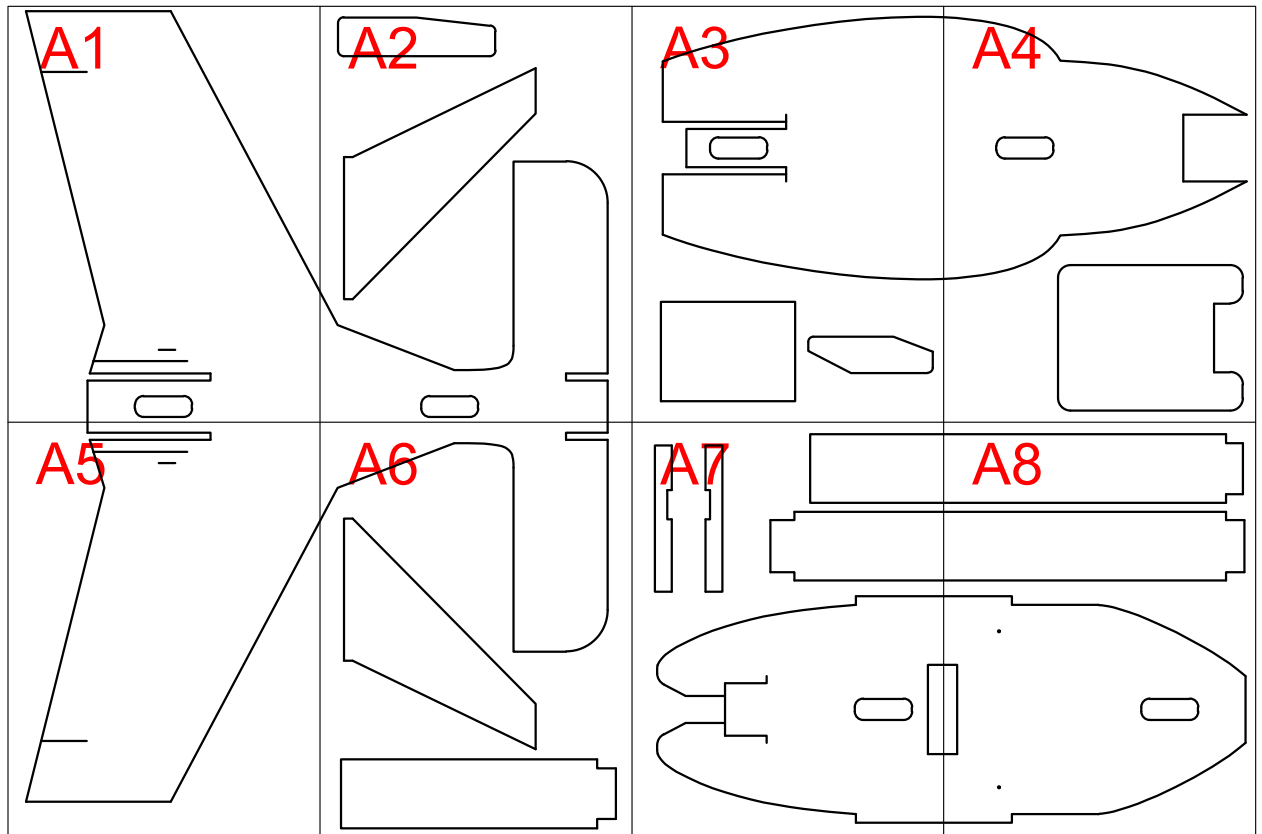


# FT LongEZ: Full-Size Key



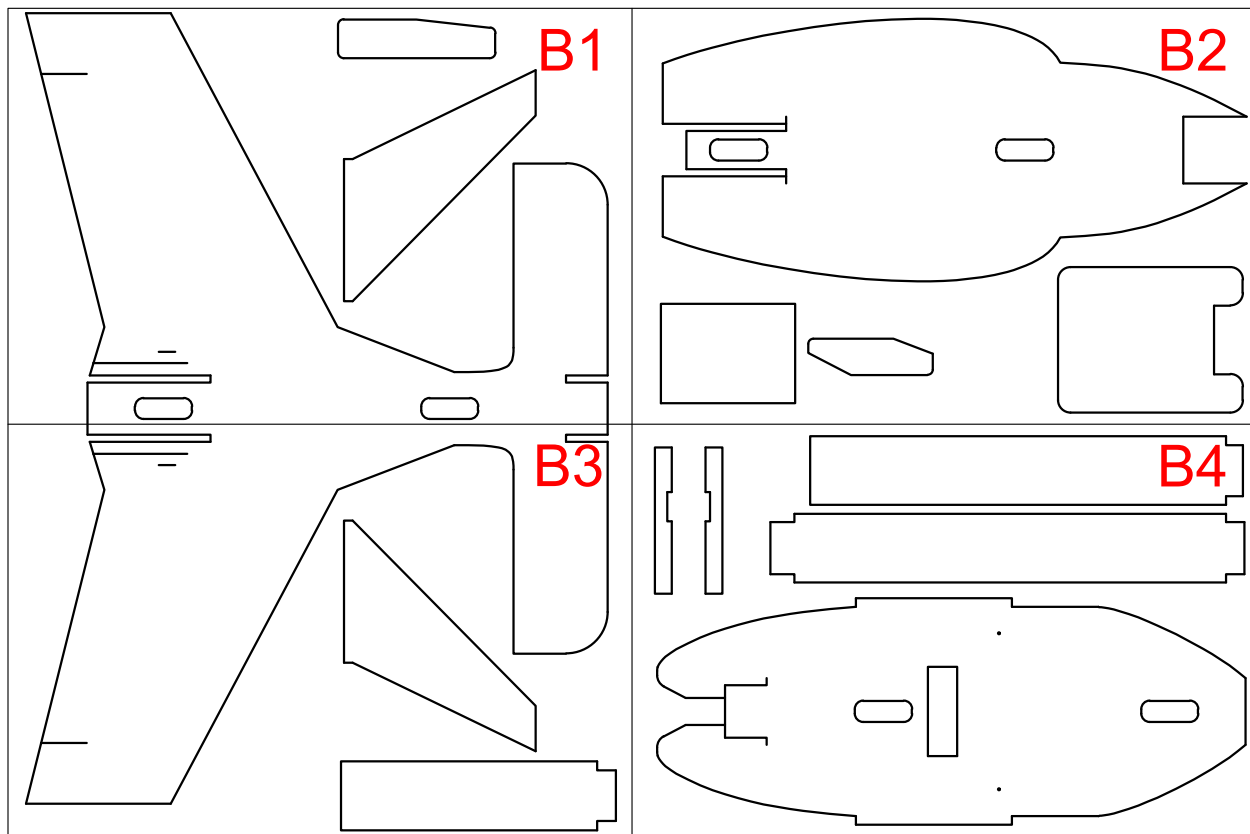


# FT LongEZ: Tile A Key





# FT LongEZ: Tile B Key



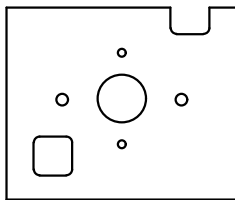


# FT LongEZ: Wood Parts

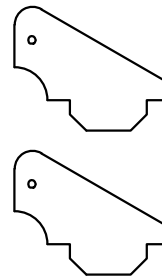


HOBBY GRADE PLYWOOD  
1/16" (1.6 mm) THICK

FT MINI FIREWALL



FT MINI CONTROL HORN

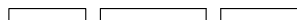




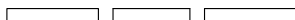
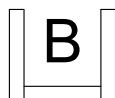
# Drawing Key



## FOLD TYPES



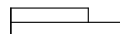
A - FOLD (ABOVE)



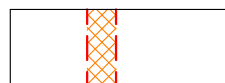
B - FOLD (BESIDE)



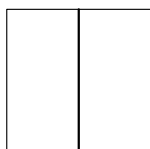
C



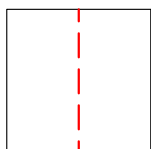
C - FOLD (COVER)



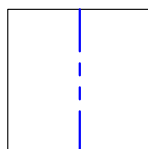
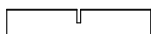
## LINE TYPE/COLOR



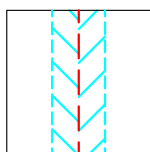
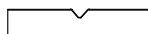
CUT



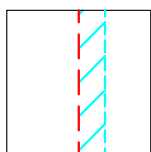
50% SCORE



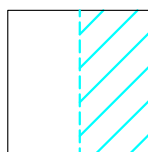
CREASE



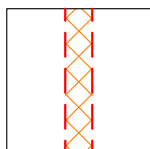
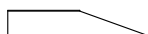
45° DOUBLE  
BEVEL



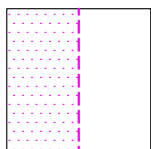
45° SINGLE  
BEVEL



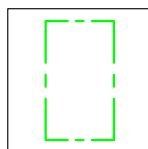
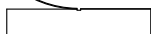
EDGE  
BEVEL



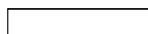
CAVITY



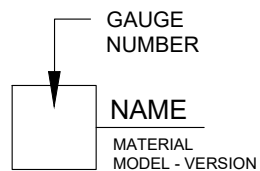
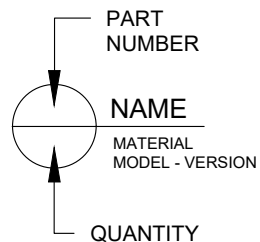
REMOVE  
PAPER



REFERENCE/  
OPTIONAL



## SYMBOLS

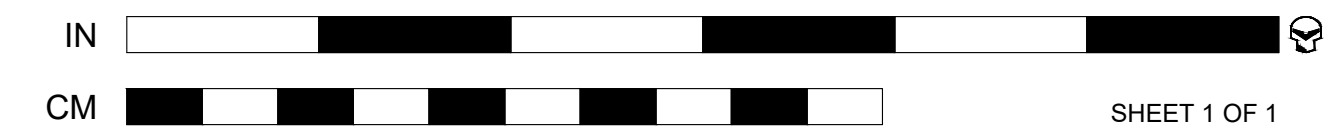


CENTER  
OF  
GRAVITY  
(CG)

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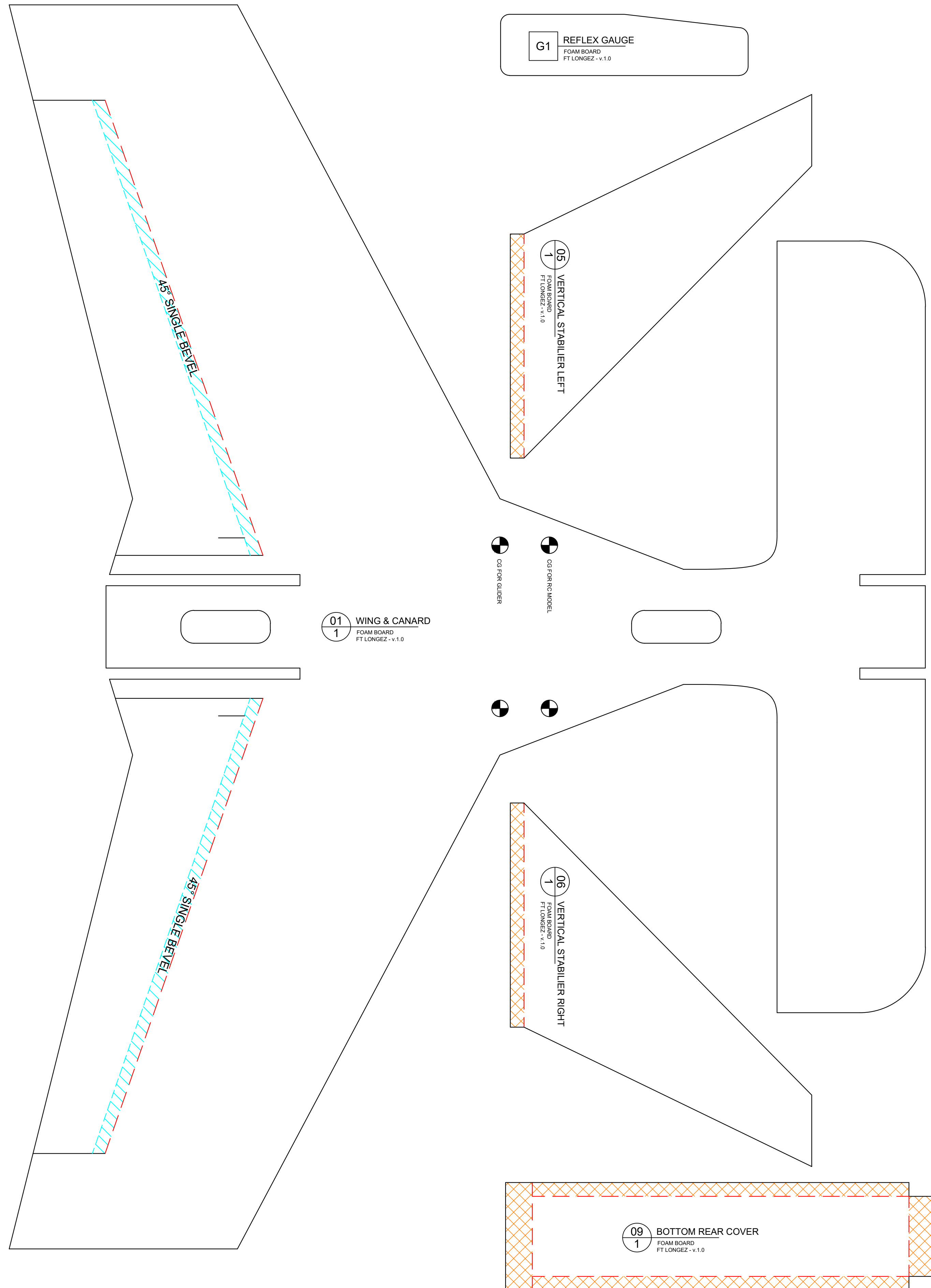
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SHEET 1 OF 1

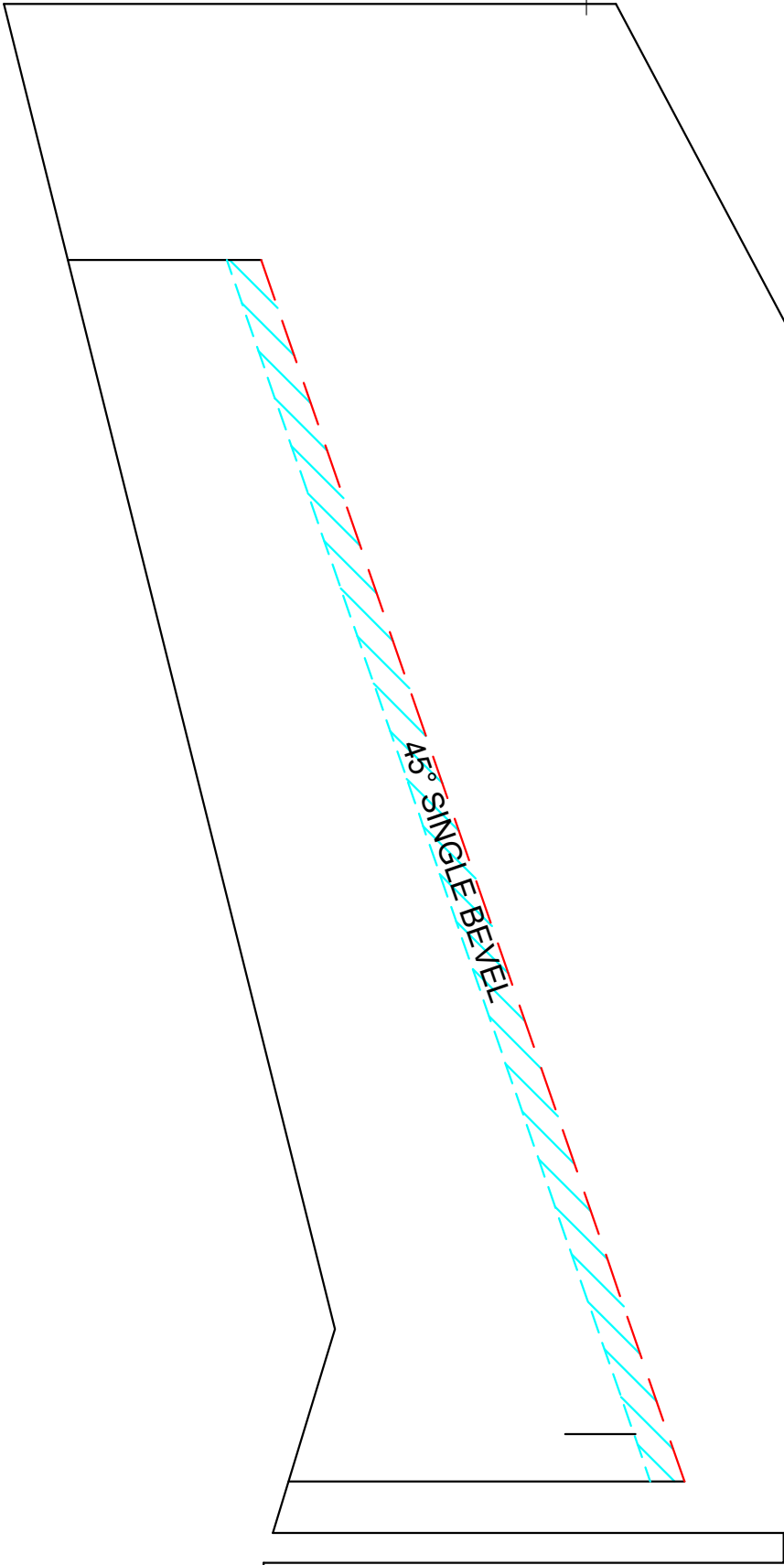
Template Version 5.0.3

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IN  
CM



01  
1

WING & CANARD  
FOAM BOARD  
FT LONGEZ - v.1.0





G1

REFLEX GAUGE  
FOAM BOARD  
FT LONGEZ - v.1.0

05  
1

VERTICAL STABILIZER LEFT  
FOAM BOARD  
FT LONGEZ - v.1.0

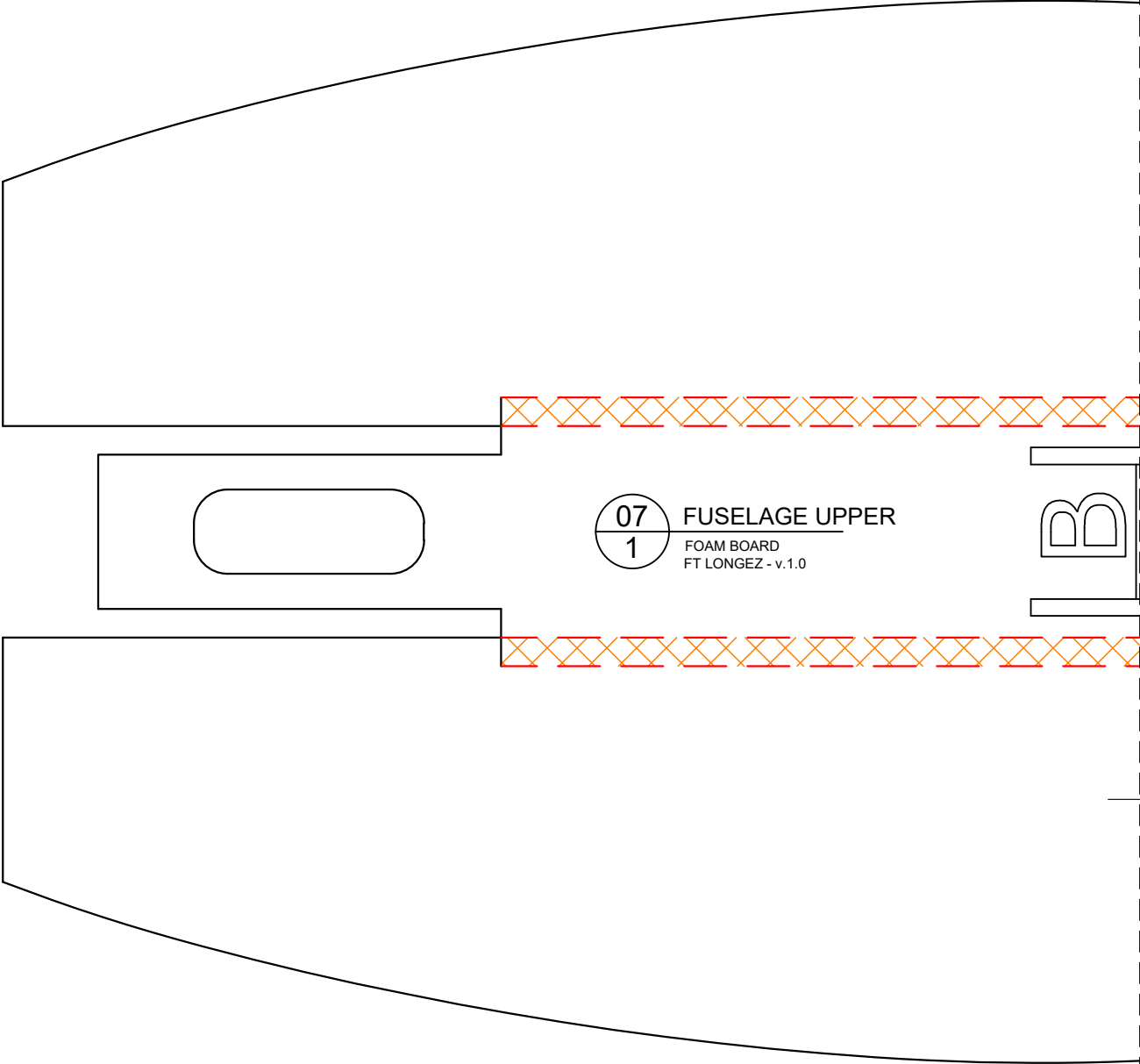


CG FOR GLIDER



CG FOR RC MODEL

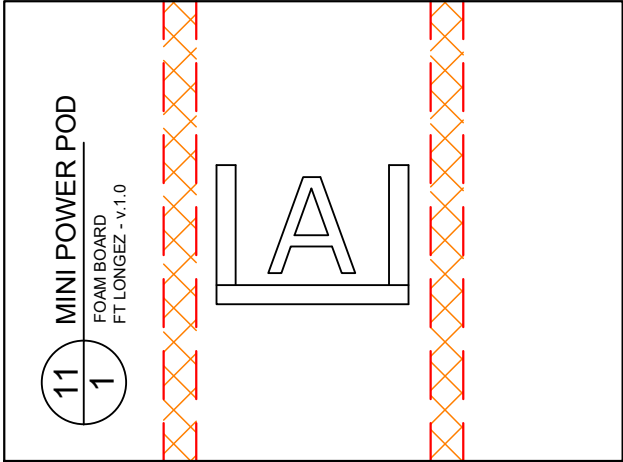




07  
1

FUSELAGE UPPER

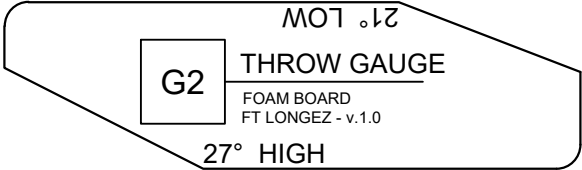
FOAM BOARD  
FT LONGEZ - v.1.0



11  
1

MINI POWER POD

FOAM BOARD  
FT LONGEZ - v.1.0

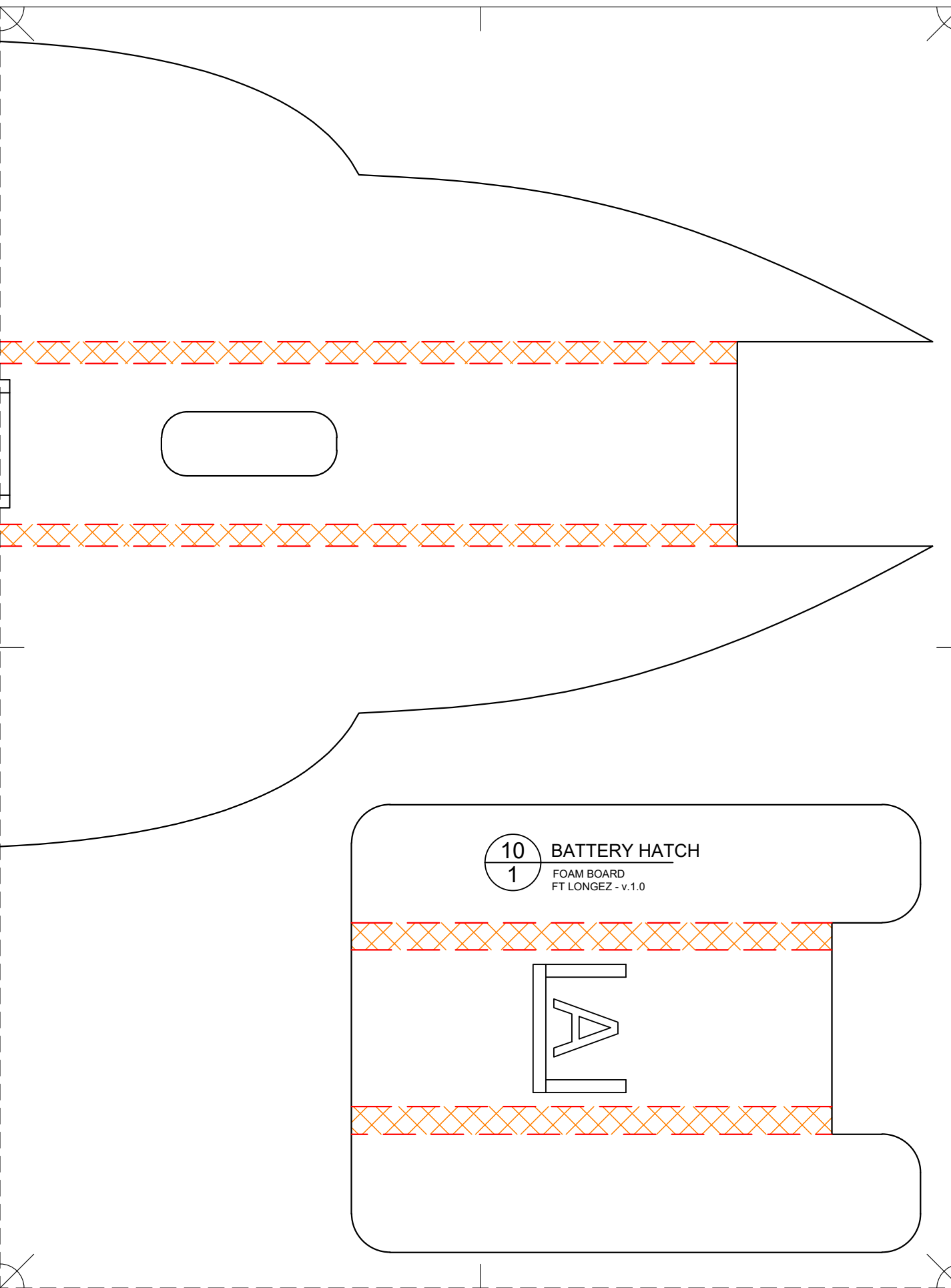


G2

21° LOT  
THROW GAUGE

FOAM BOARD  
FT LONGEZ - v.1.0

27° HIGH







06  
1

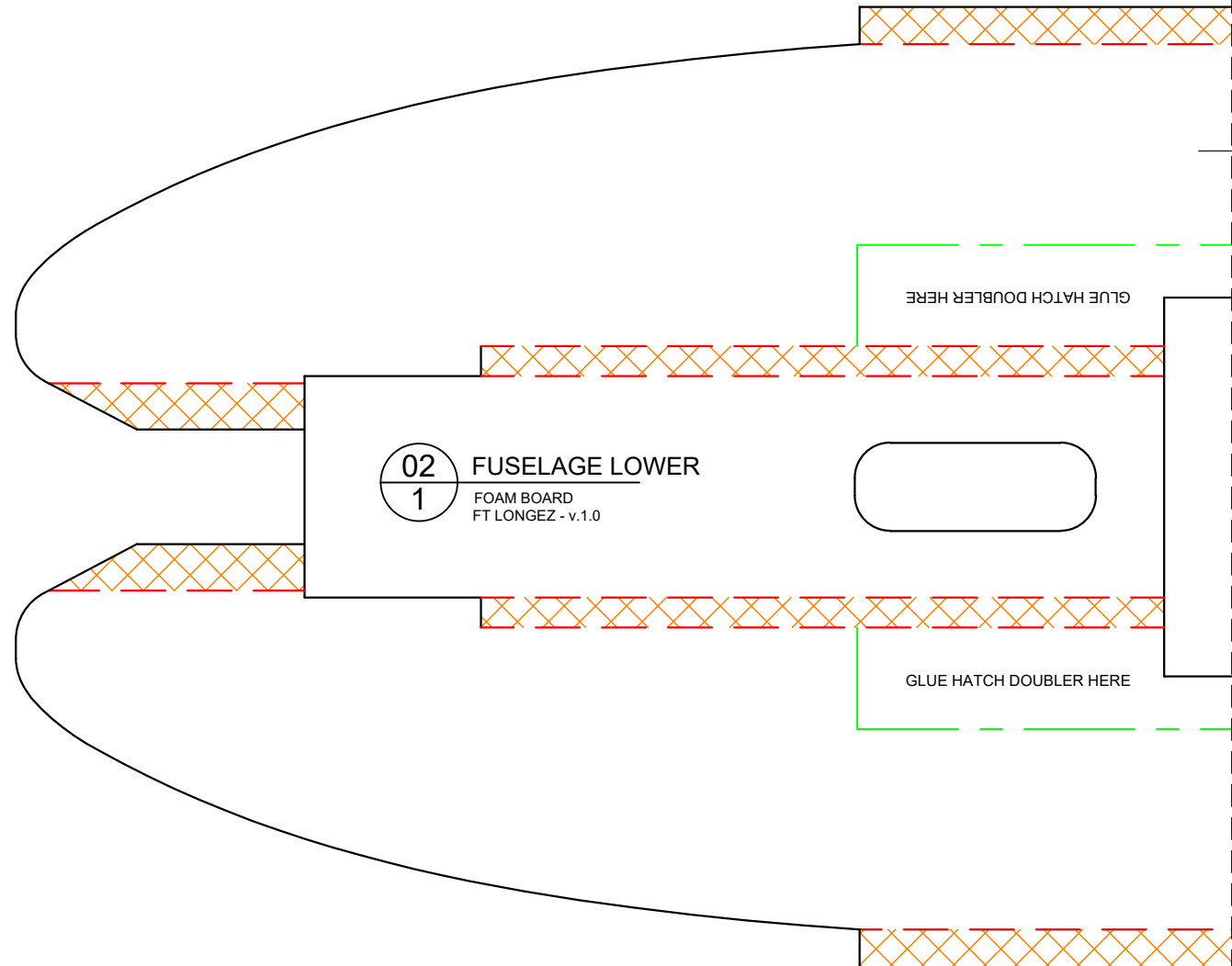
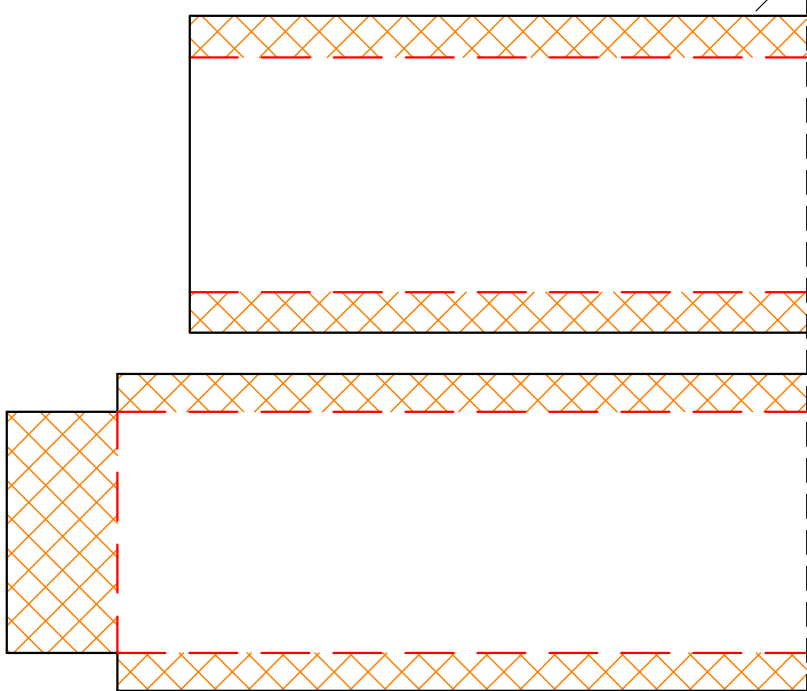
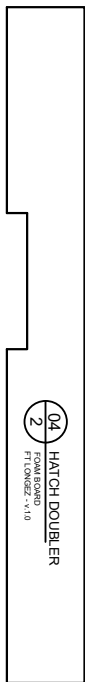
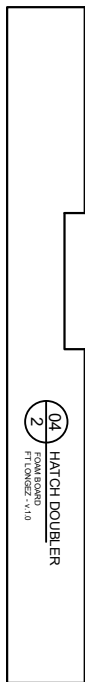
VERTICAL STABILIER RIGHT  
FOAM BOARD  
FT LONGEZ - v.1.0

09  
1

BOTTOM REAR COVER

FOAM BOARD  
FT LONGEZ - v.1.0





03  
1

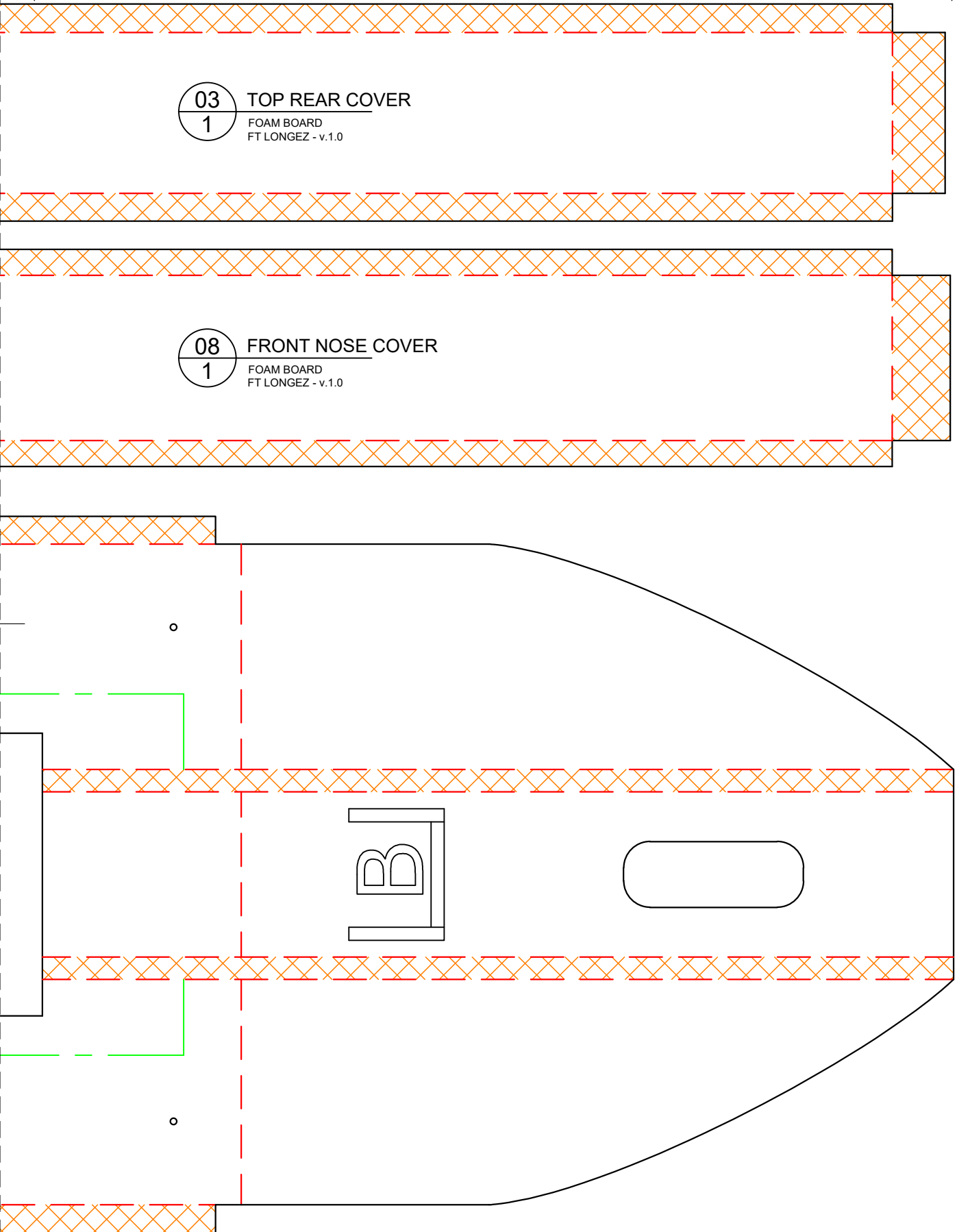
TOP REAR COVER

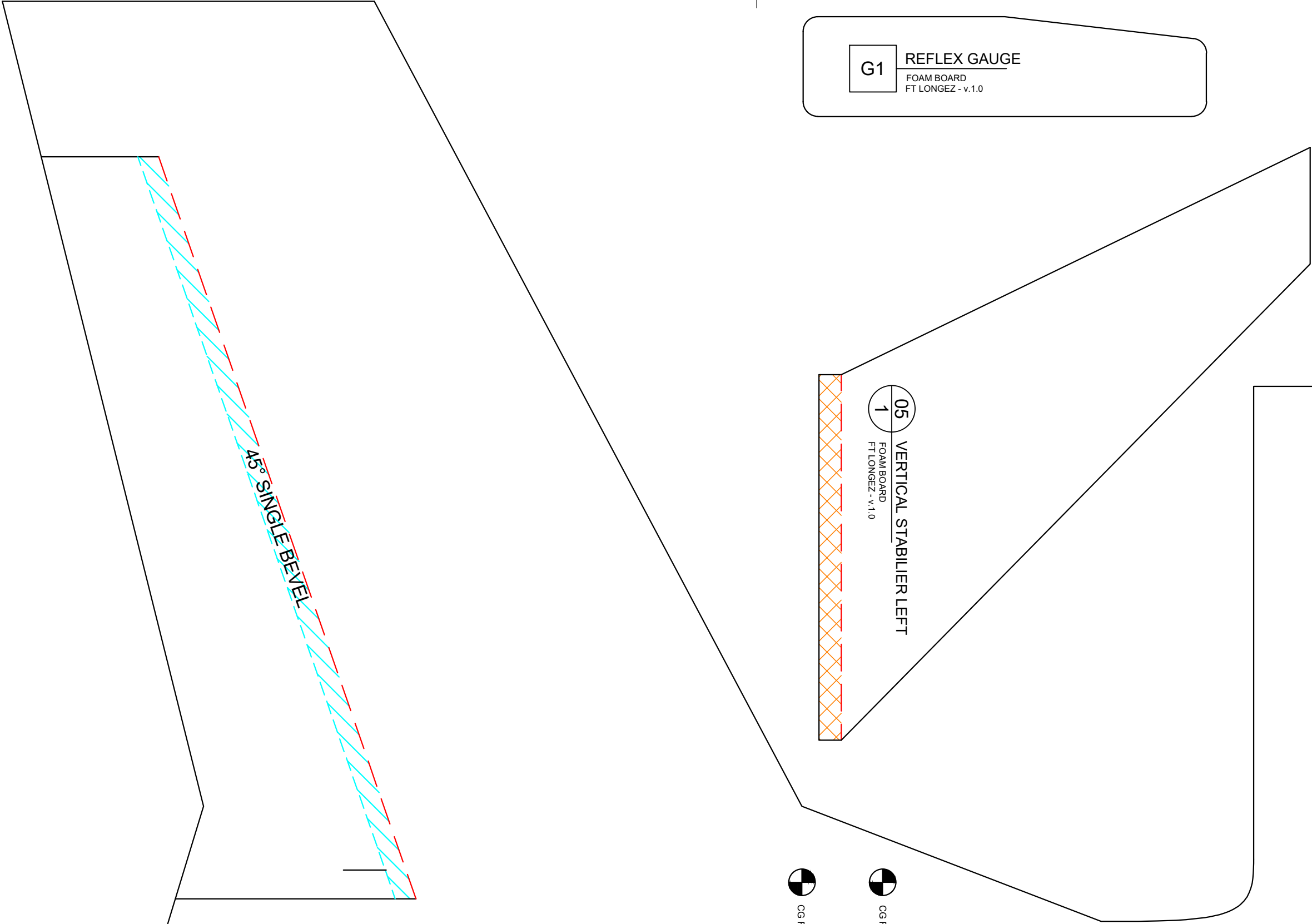
FOAM BOARD  
FT LONGEZ - v.1.0

08  
1

FRONT NOSE COVER

FOAM BOARD  
FT LONGEZ - v.1.0





45° SINGLE BEVEL

05  
1  
VERTICAL STABILIER LEFT  
FOAM BOARD  
FT LONGEZ - v.1.0

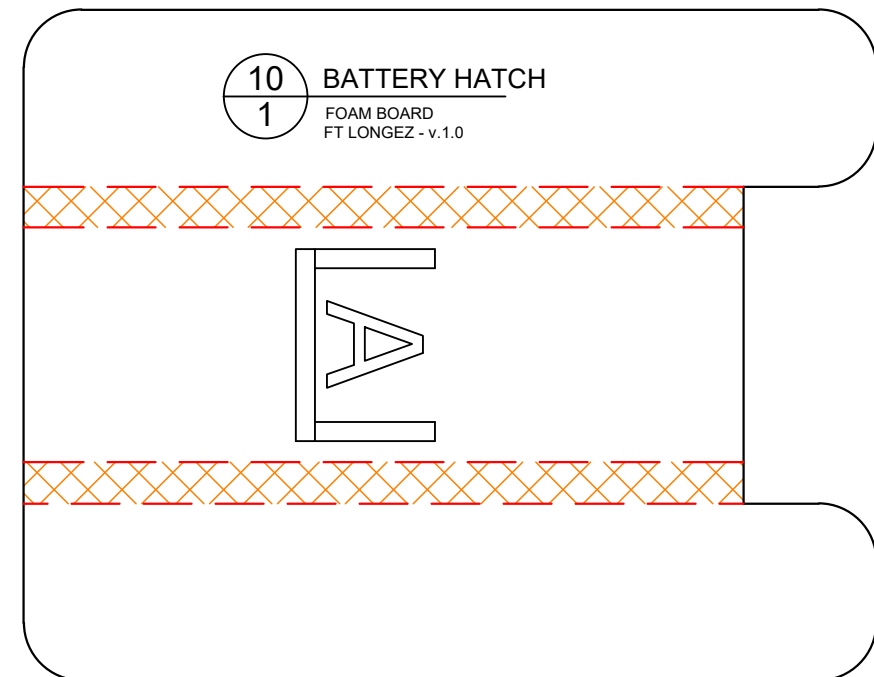
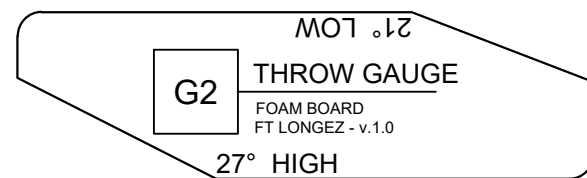
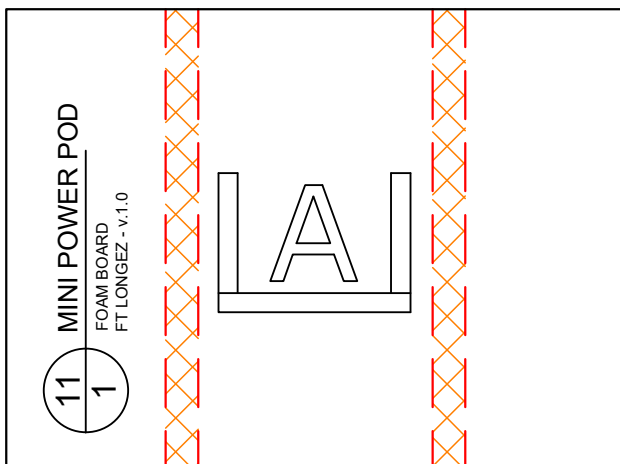
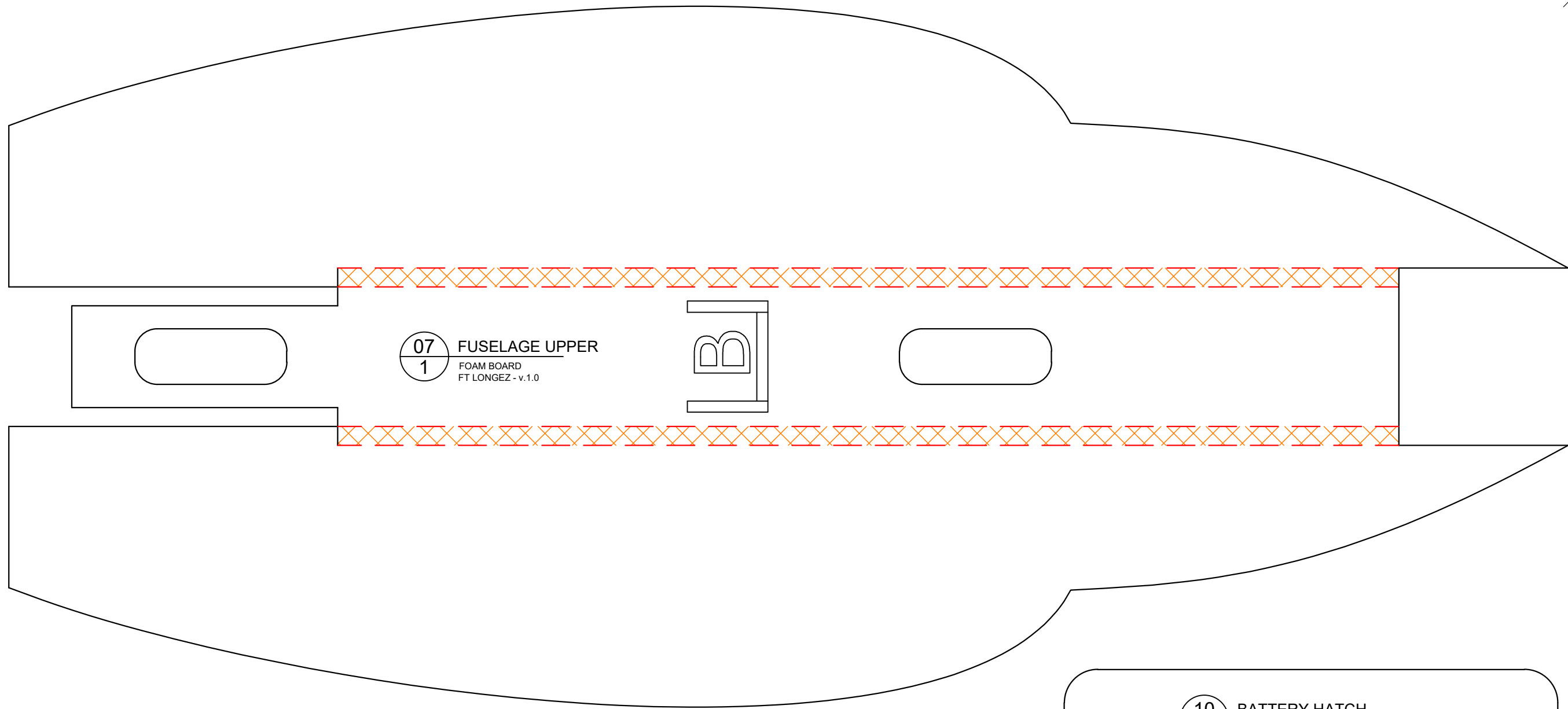
G1  
REFLEX GAUGE  
FOAM BOARD  
FT LONGEZ - v.1.0

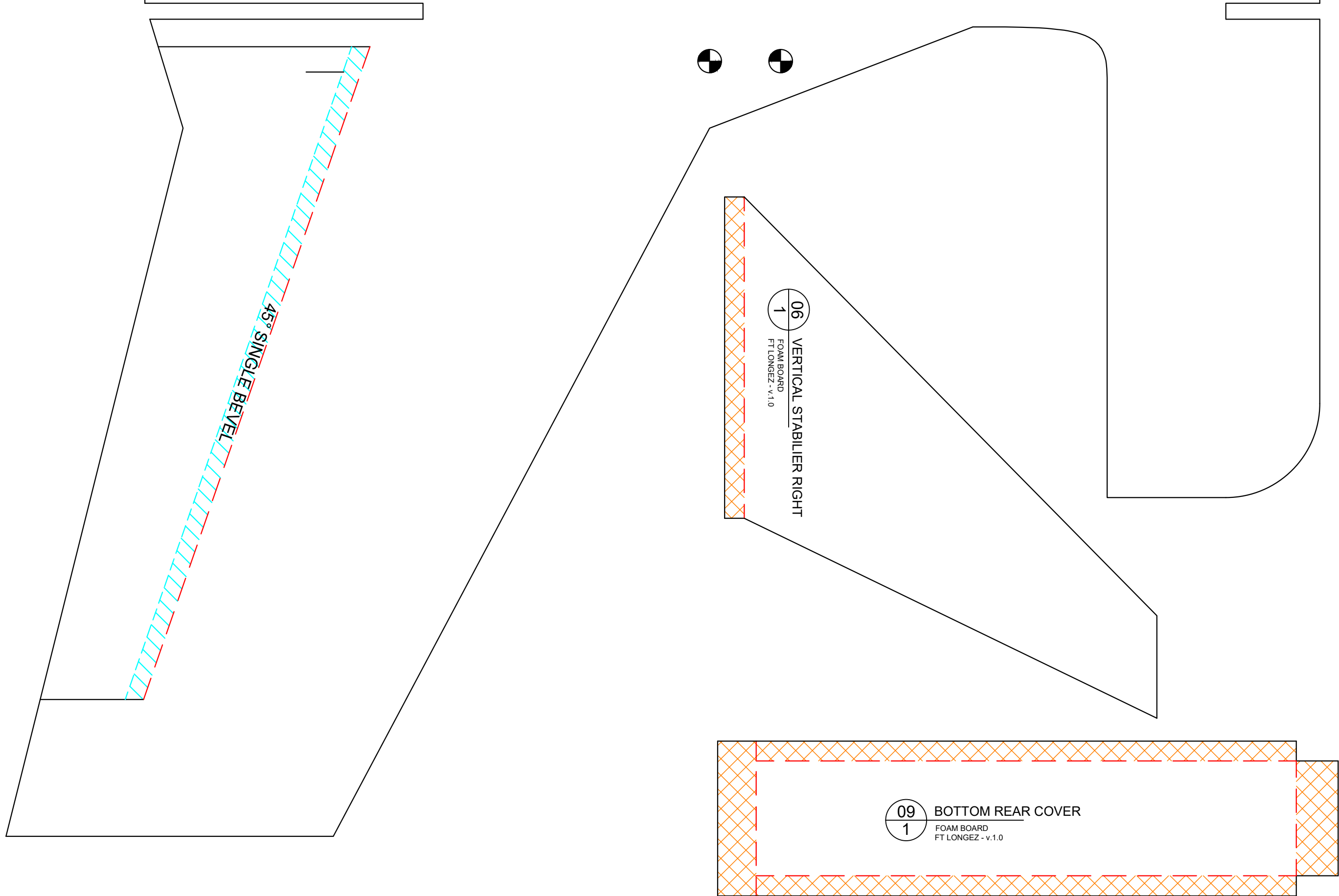
01  
1  
WING & CANARD  
FOAM BOARD  
FT LONGEZ - v.1.0

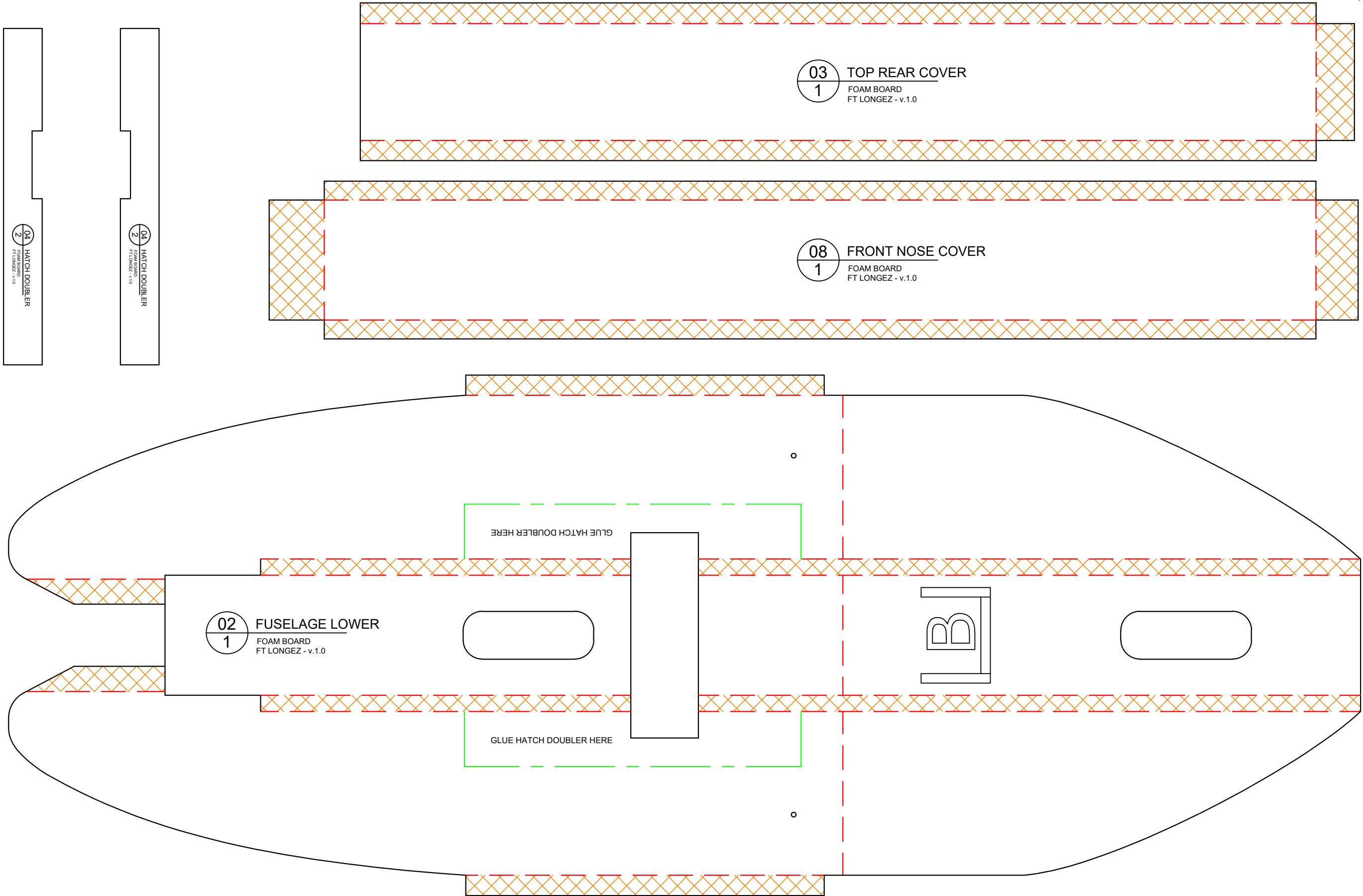
CG FOR GLIDER

CG FOR RC MODEL









04  
2  
HATCH DOUBLER  
FOAM BOARD  
FT LONGEZ - v.1.0

04  
2  
HATCH DOUBLER  
FOAM BOARD  
FT LONGEZ - v.1.0

03  
1  
TOP REAR COVER  
FOAM BOARD  
FT LONGEZ - v.1.0

08  
1  
FRONT NOSE COVER  
FOAM BOARD  
FT LONGEZ - v.1.0

02  
1  
FUSELAGE LOWER  
FOAM BOARD  
FT LONGEZ - v.1.0

GLUE HATCH DOUBLER HERE

GLUE HATCH DOUBLER HERE