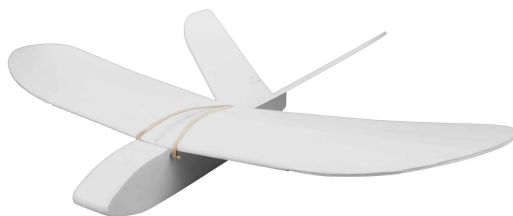




www.flitetest.com

# FT Mini Sparrow

Designed By: Josh Bixler  
Drawing By: Dan Sponholz



## SPECIFICATIONS

| DESCRIPTION        |     | IMPERIAL               | METRIC               |
|--------------------|-----|------------------------|----------------------|
| LENGTH             |     | 16 in                  | 406 mm               |
| CENTER OF GRAVITY  | CG  | 1.75 in                | 44.5 mm              |
| WING SPAN          |     | 28.5 in                | 723 mm               |
| WING AREA          |     | 180 in <sup>2</sup>    | 11.6 dm <sup>2</sup> |
| DRY WEIGHT         |     | 6.5 oz                 | 187 g                |
| ALL UP WEIGHT      | AUW | 9.0 oz                 | 256 g                |
| WING LOADING       | WL  | 7.2 oz/ft <sup>2</sup> | 22 g/dm <sup>2</sup> |
| WING CUBIC LOADING | WCL | 6.4                    |                      |

## RECOMMENDED SETTINGS

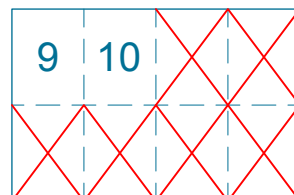
|         | THROW | EXPO |
|---------|-------|------|
| ELEVONS | 12°   | 30%  |



## SHEET & TILE KEY



|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |

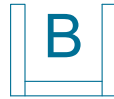
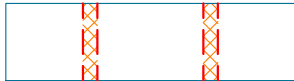


# DRAWING KEY

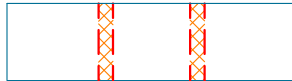
## FOLD TYPES



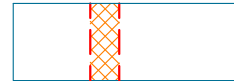
A - FOLD (ABOVE)



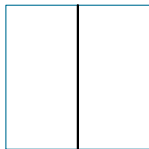
B - FOLD (BESIDE)



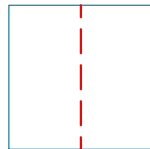
C - FOLD (COVER)



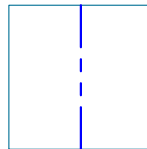
## LINE TYPE/COLOR



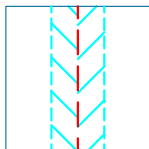
CUT



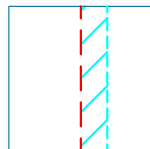
50% SCORE



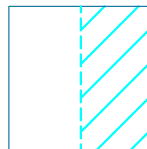
CREASE



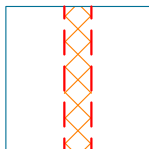
45° DOUBLE BEVEL



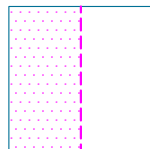
45° SINGLE BEVEL



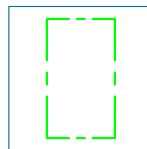
EDGE BEVEL



CAVITY



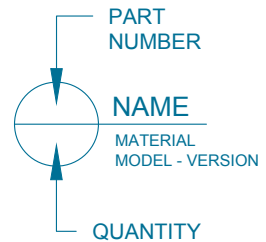
REMOVE PAPER



REFERENCE/  
OPTIONAL



## SYMBOLS



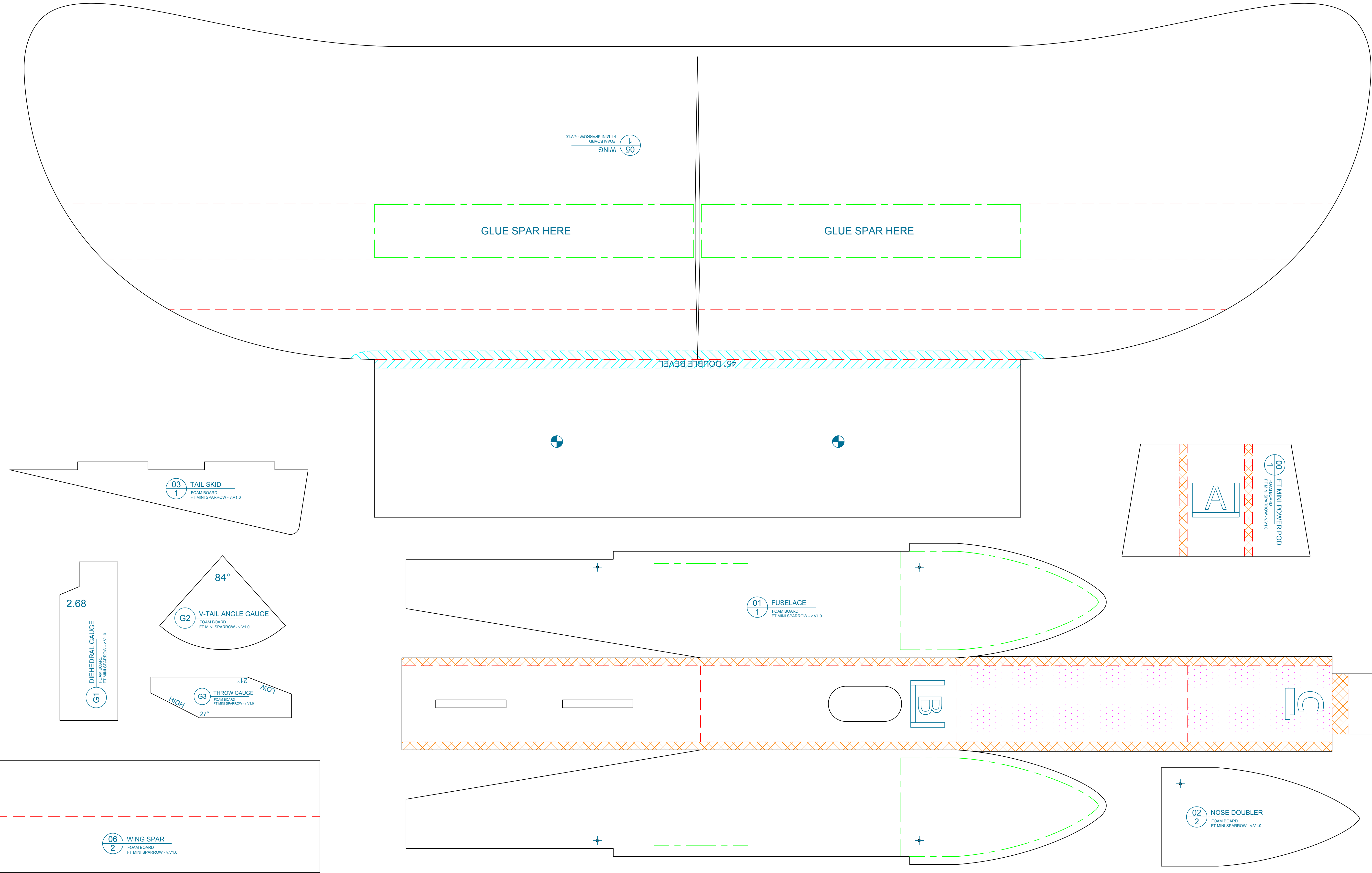
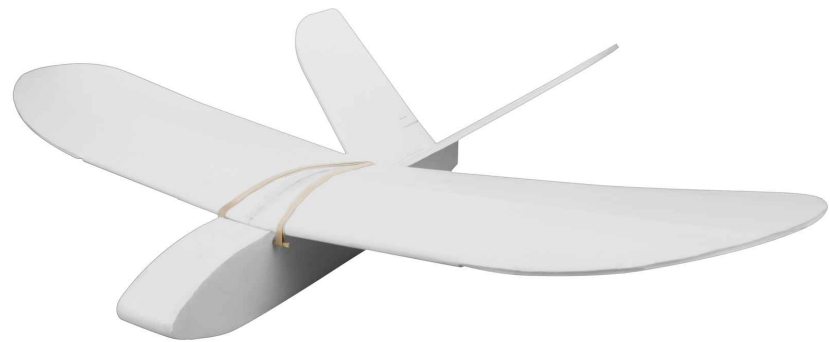
MIRRORED PART



CENTER OF GRAVITY (CG)

FT Mini Sparrow

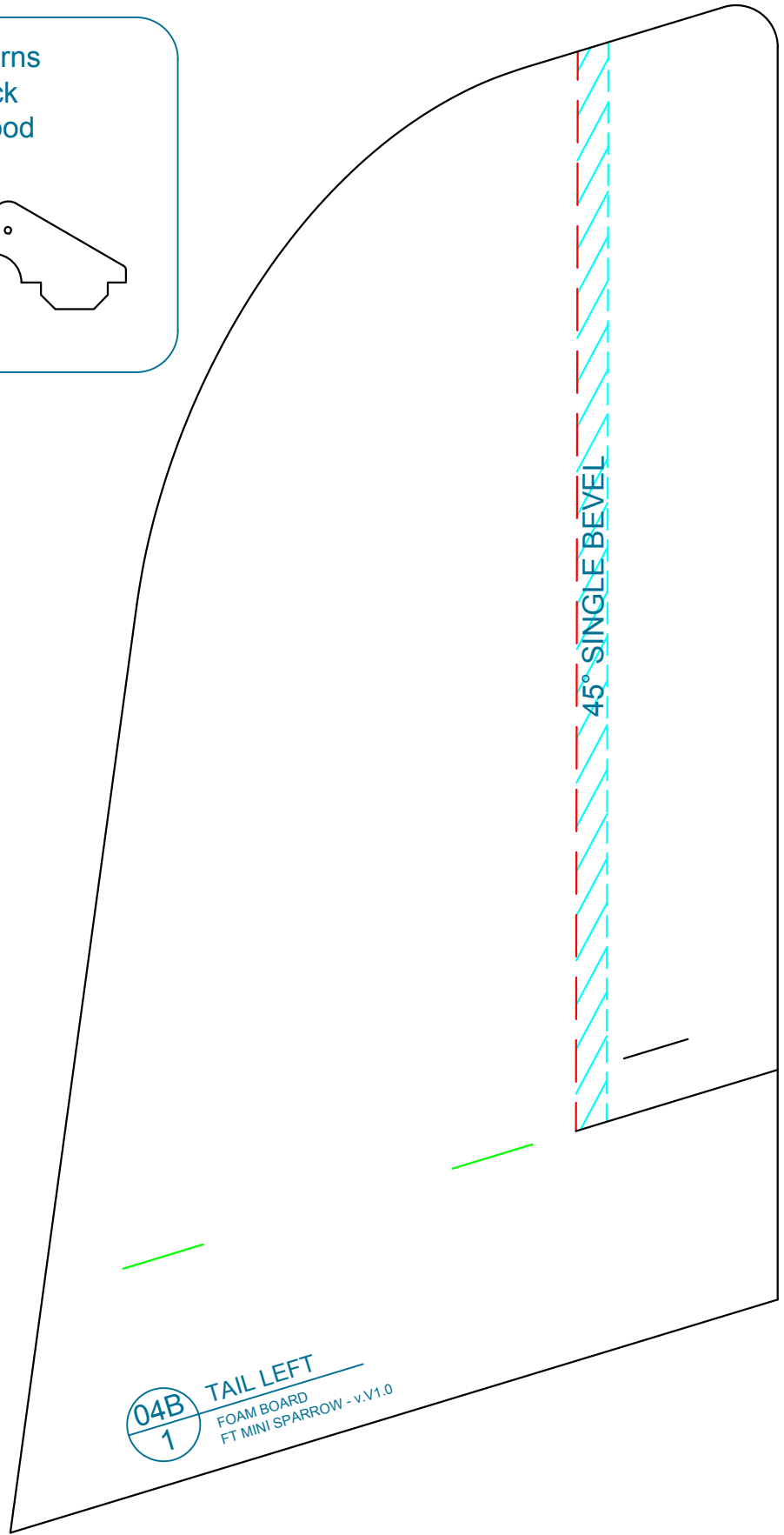
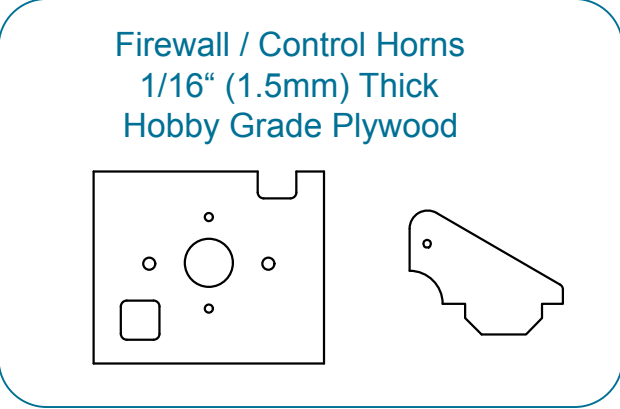
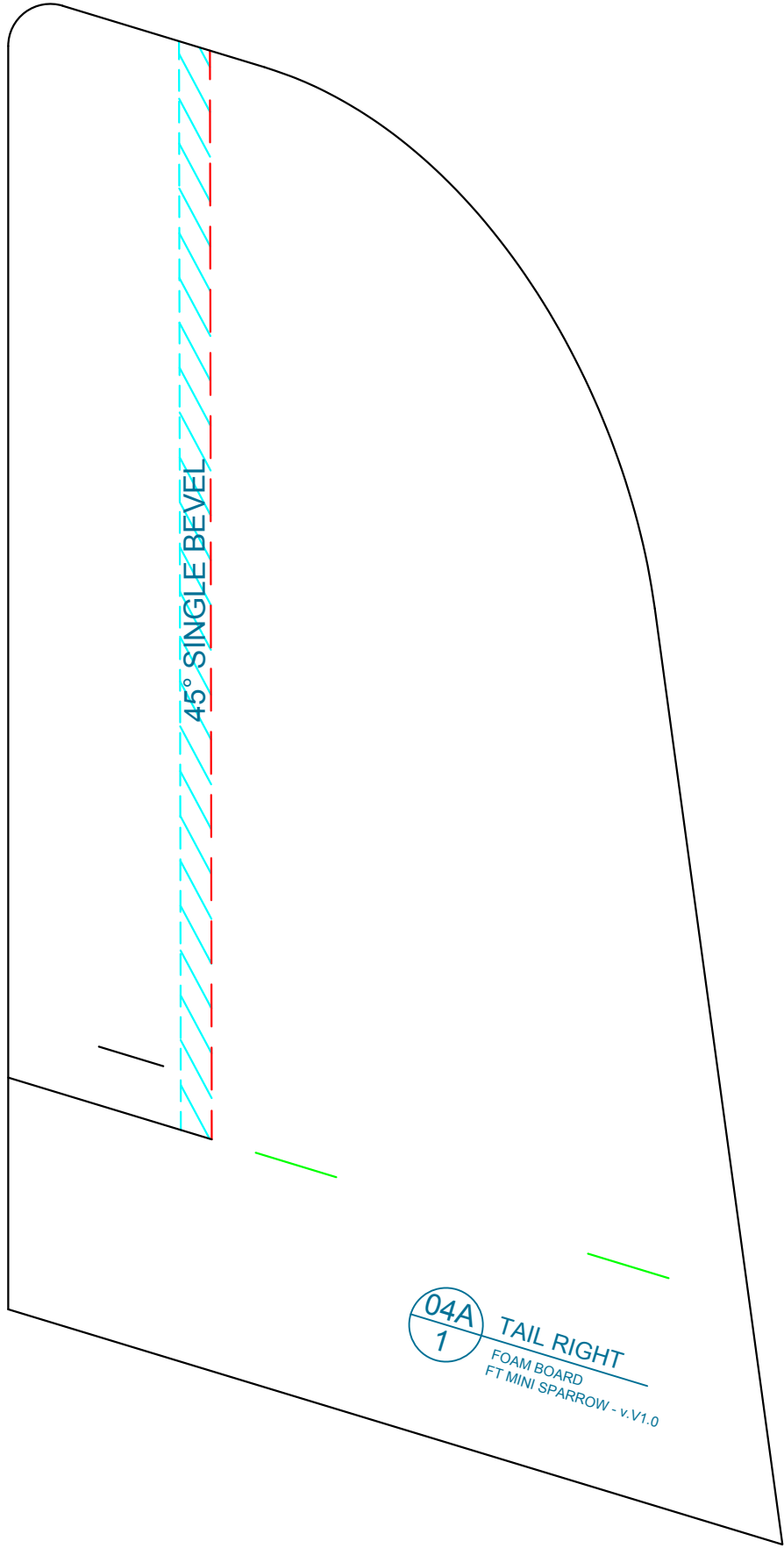
Designed By: Josh Bixler  
Drawing By: Dan Sponholz





FT Mini Sparrow

Designed By: Josh Bixler  
Drawing By: Dan Sponholz





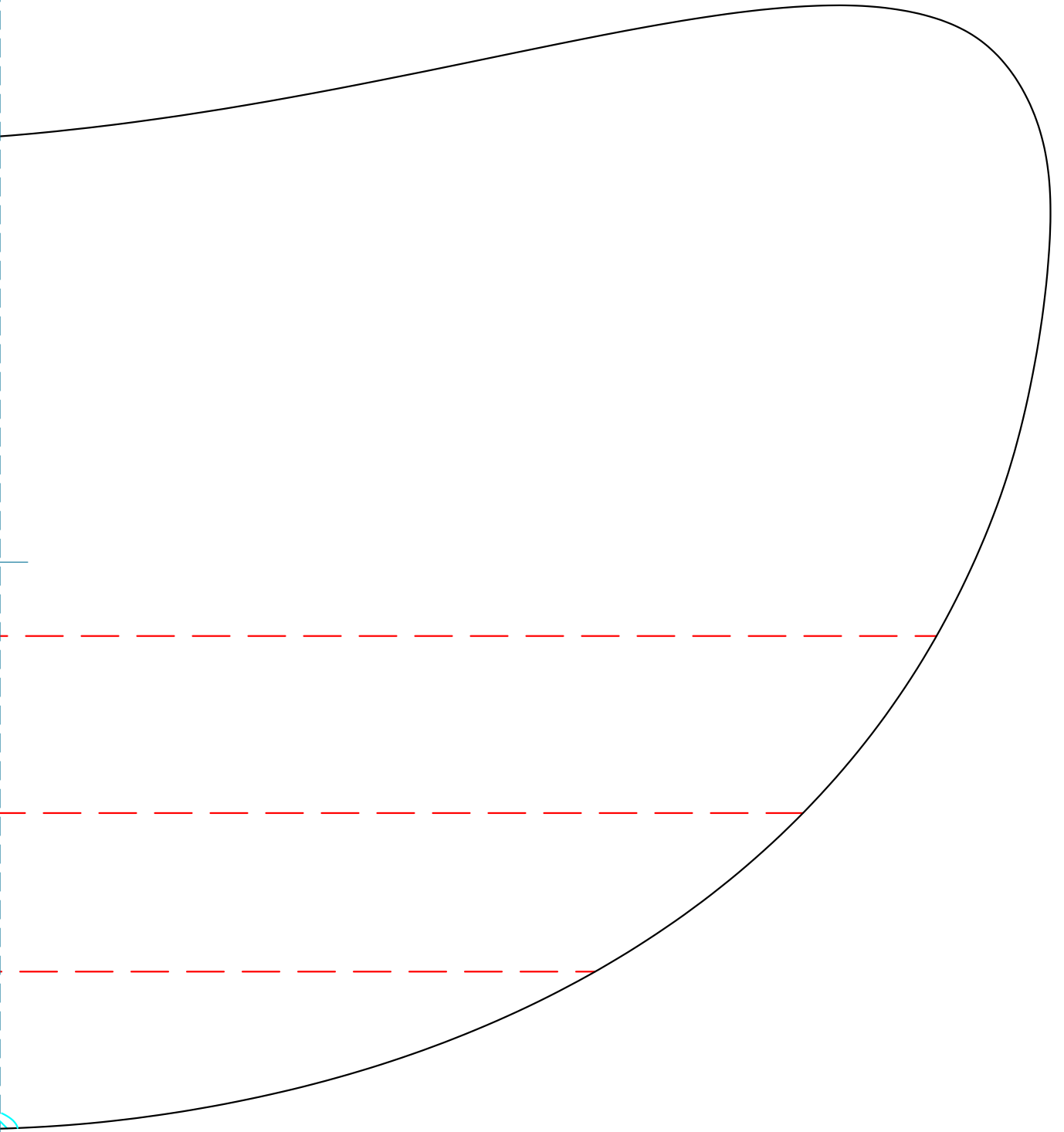


GLUE SPAR HERE

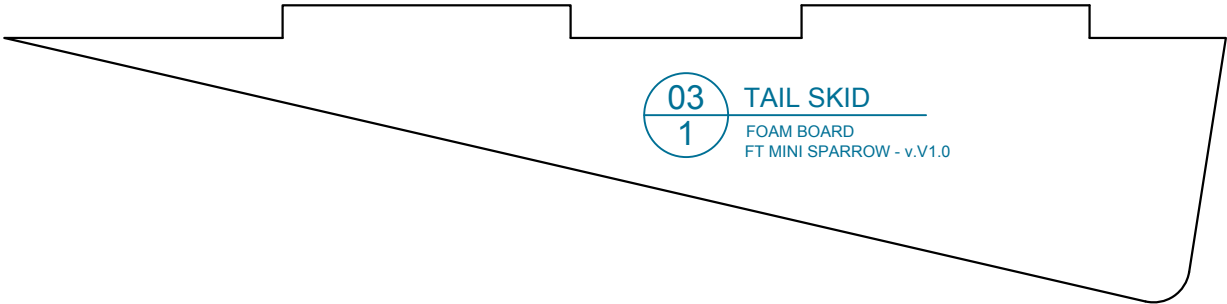
~~BEVEL~~

GLUE SPAR HERE

45° DOUBLE



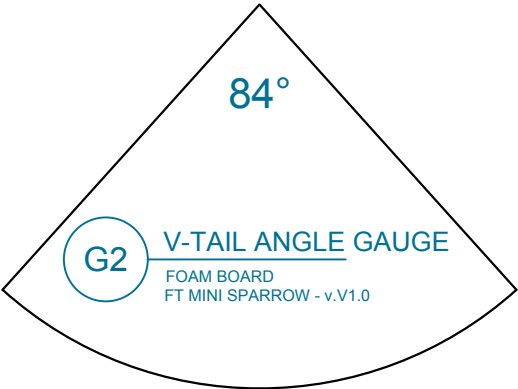




**TAIL SKID**  
FOAM BOARD  
FT MINI SPARROW - v.V1.0



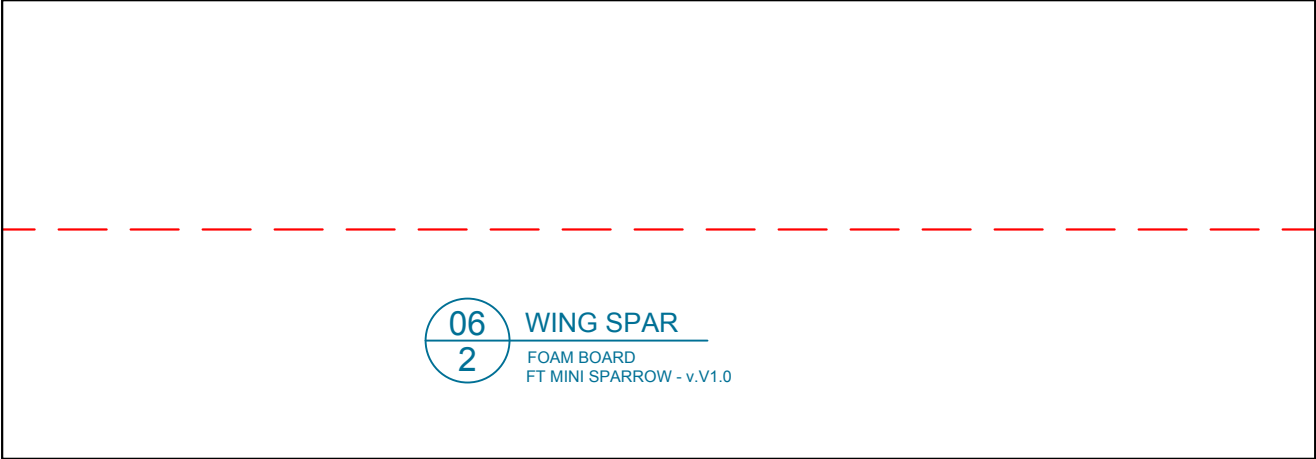
**2.68**  
**DIEHEDRAL GAUGE**  
FOAM BOARD  
FT MINI SPARROW - v.V1.0



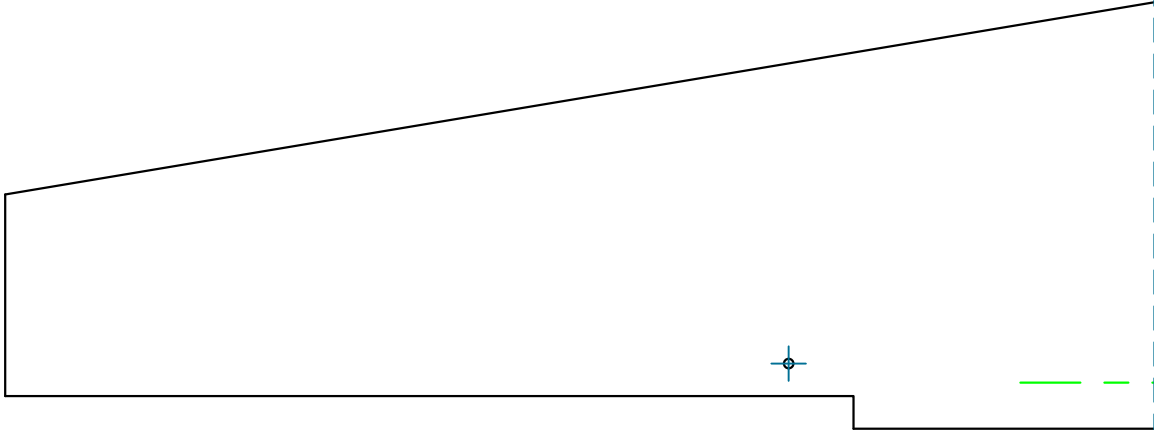
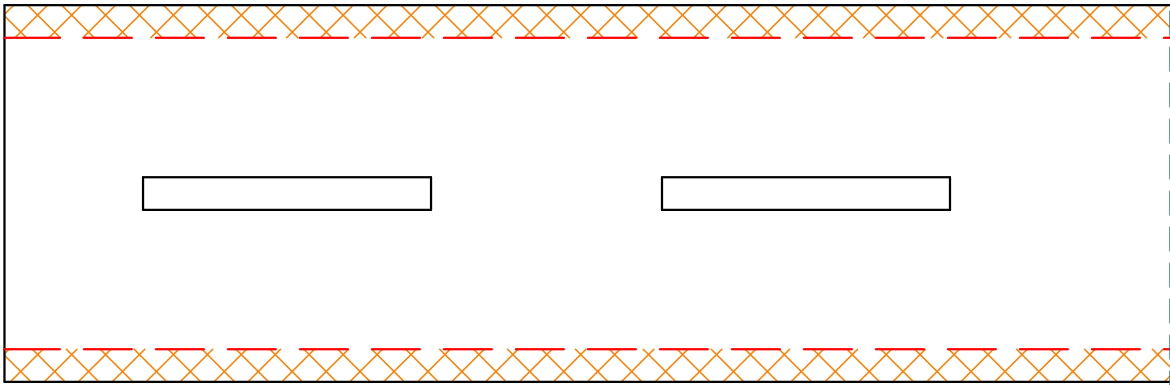
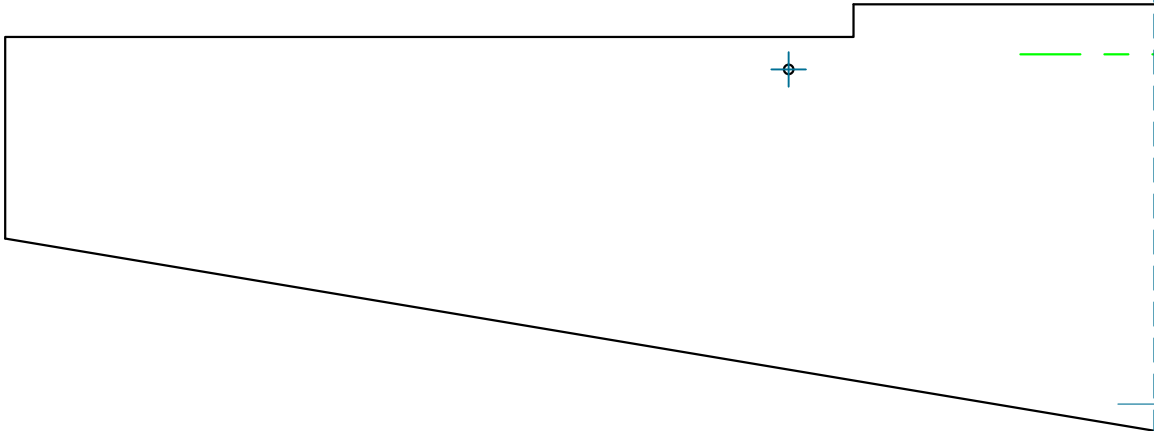
**84°**  
**V-TAIL ANGLE GAUGE**  
FOAM BOARD  
FT MINI SPARROW - v.V1.0



**21°**  
**27°**  
**HIGH**  
**LOW**  
**THROW GAUGE**  
FOAM BOARD  
FT MINI SPARROW - v.V1.0



**WING SPAR**  
FOAM BOARD  
FT MINI SPARROW - v.V1.0

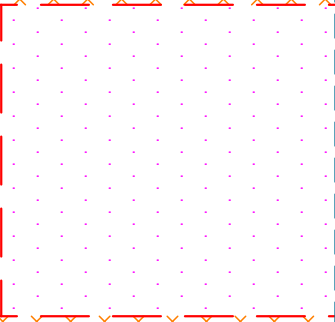
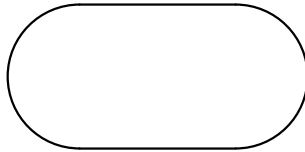


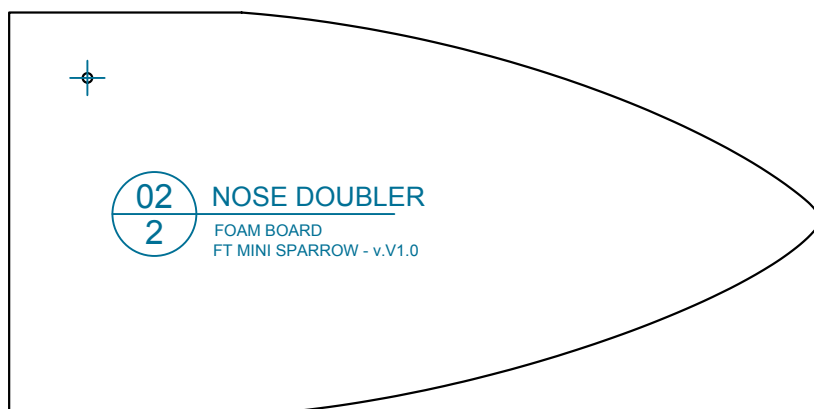
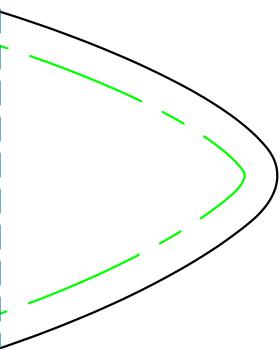
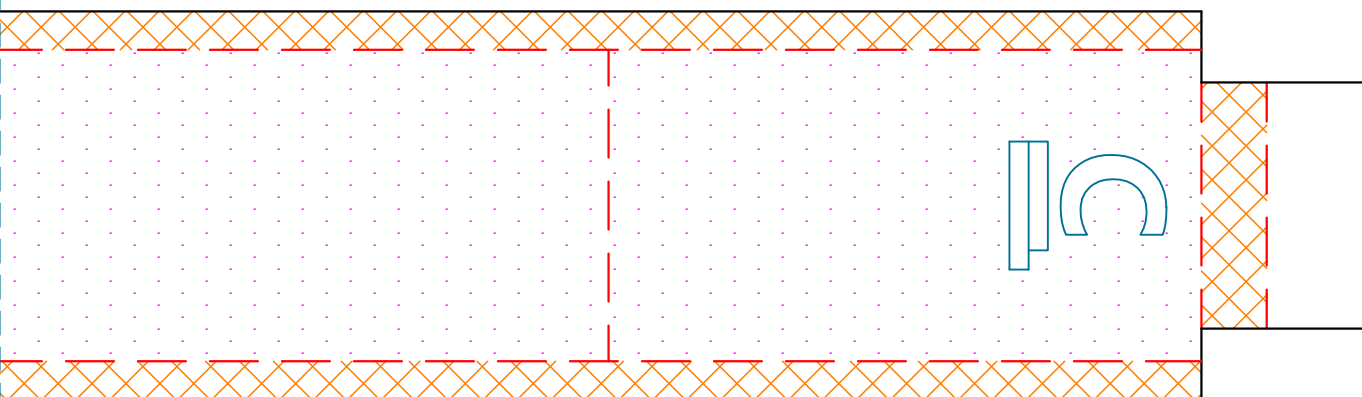
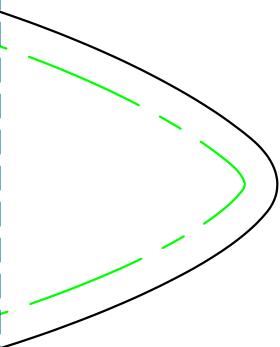
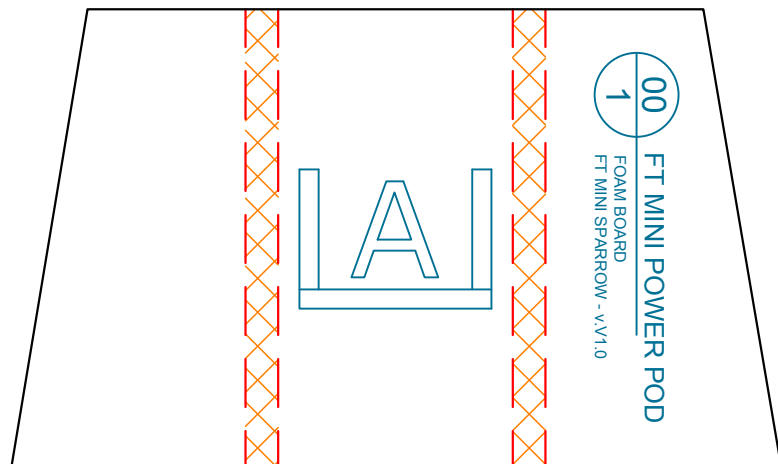


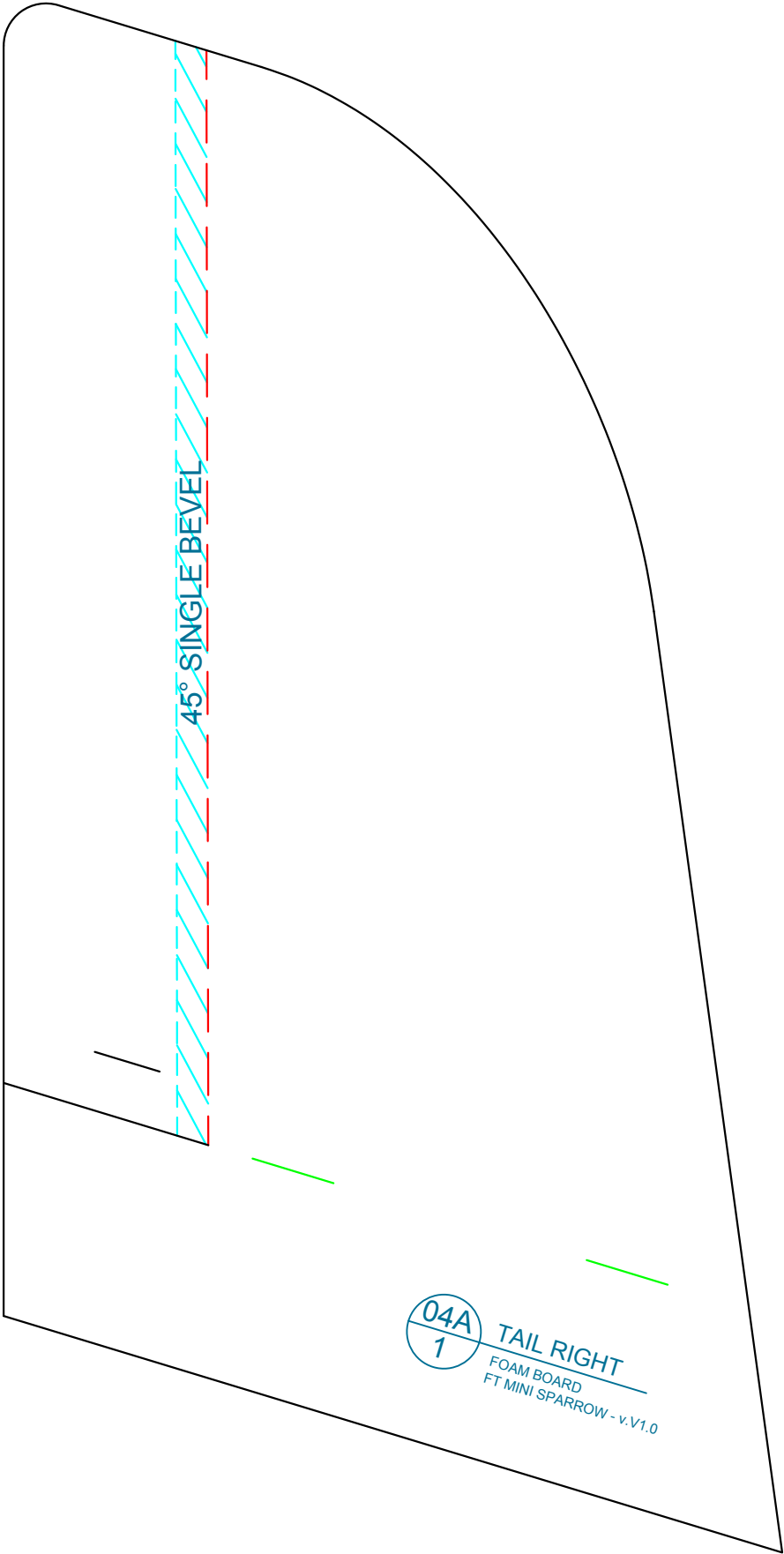
01  
1

## FUSELAGE

FOAM BOARD  
FT MINI SPARROW - v.V1.0

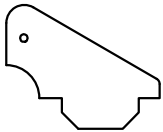
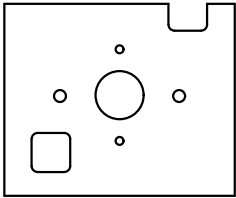






04A  
1 TAIL RIGHT  
FOAM BOARD  
FT MINI SPARROW - v.V1.0

Firewall / Control Horns  
1/16" (1.5mm) Thick  
Hobby Grade Plywood



45° SINGLE BEVEL

04B  
1

TAIL LEFT

FOAM BOARD  
FT MINI SPARROW - v.V1.0