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FT Racer

Designed By: David Windestål

Drawing By: Dan Sponholz

Version: 1.1

Date: 2019.01.25



GENERAL SPECIFICATIONS:

LENGTH:	35.0 in	890 mm
CG:	2.30 in	60 mm
WINGSPAN:	40.00 in	1016 mm
WING AREA:	270.7 in ²	13.4 dm ²
DRY WEIGHT:	17.6 oz.	500 g
ALL UP WEIGHT:	24.0 oz.	680 g
WING LOADING:	16.6 oz/ft ²	50.7 g/dm ²
WCL:	13.9	
THROWS:		
AILERON	12°	
ELEVATOR	12°	
RUDDER	30°	
EXPO:	30%	
CHANNELS:	4 [THR AIL ELE RUD]	

RECOMMENDED ELECTRONICS:

MOTOR:	Park 425 1200 kv
PROPELLER:	8 x 6 or 9 x 4.7
ESC:	18 - 30 amp
SERVOS:	4x 9 gram
BATTERY:	1800 - 3000 mAh 3S or 4S



BUILD SKILL LEVEL:

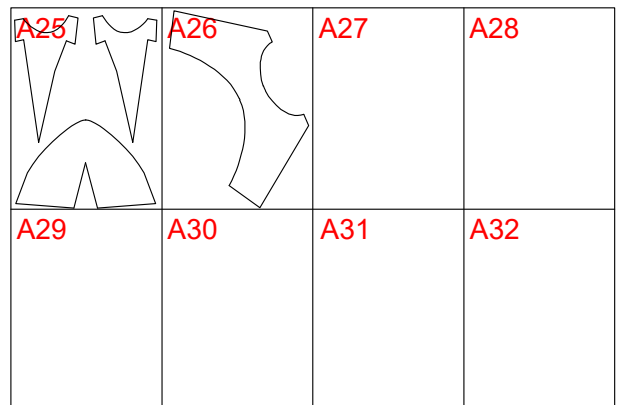
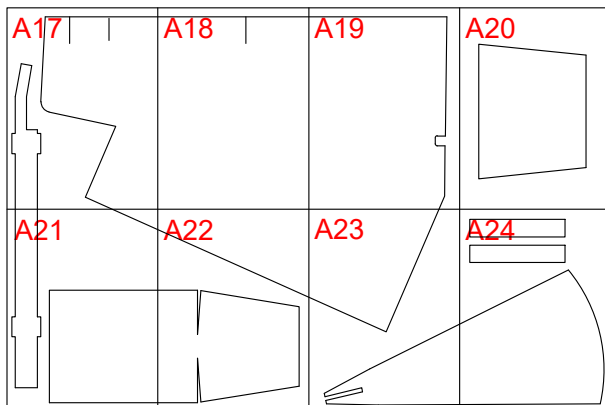
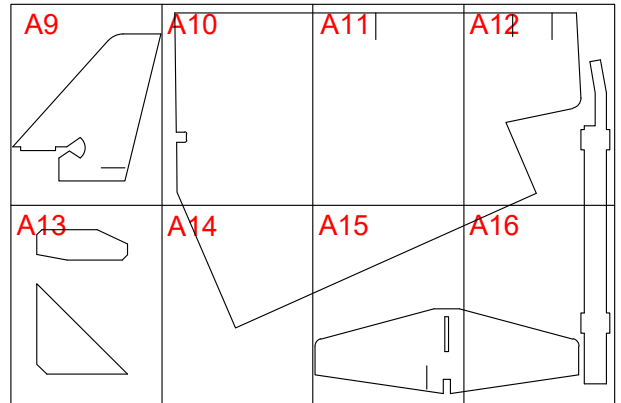
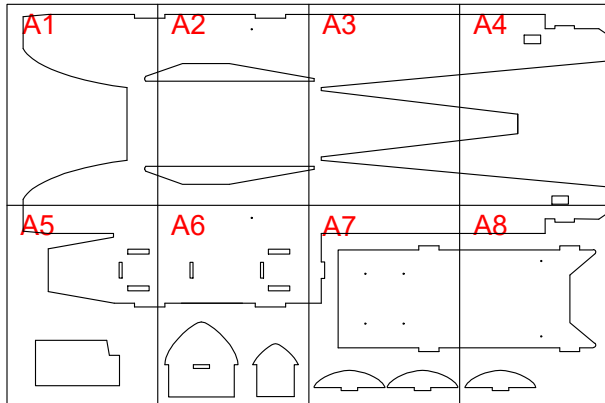


PILOT SKILL LEVEL:





FT Racer: Tile A Key

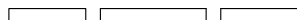
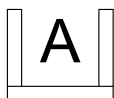




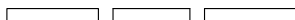
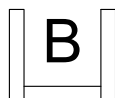
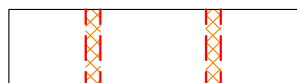
Drawing Key



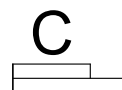
FOLD TYPES



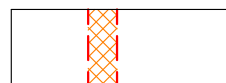
A - FOLD (ABOVE)



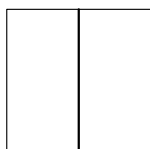
B - FOLD (BESIDE)



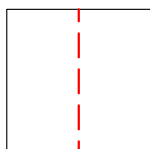
C - FOLD (COVER)



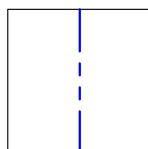
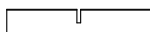
LINE TYPE/COLOR



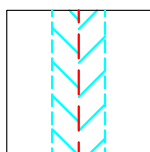
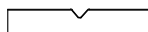
CUT



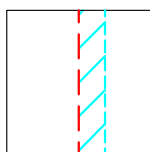
50% SCORE



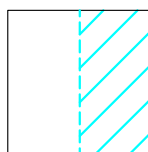
CREASE



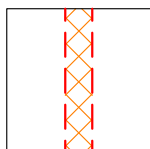
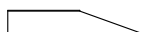
45° DOUBLE
BEVEL



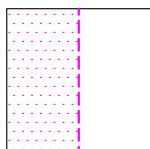
45° SINGLE
BEVEL



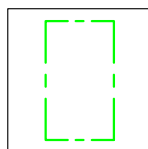
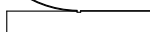
EDGE
BEVEL



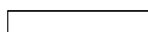
CAVITY



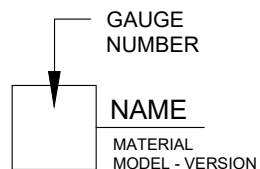
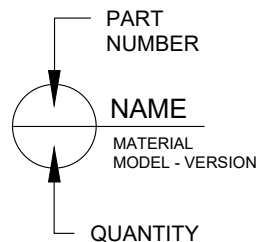
REMOVE
PAPER



REFERENCE/
OPTIONAL



SYMBOLS



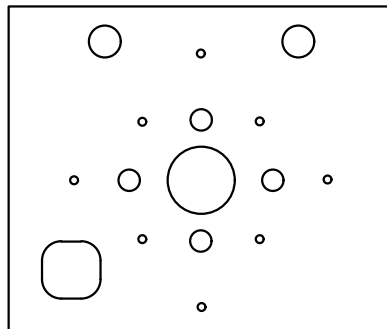
CENTER
OF
GRAVITY
(CG)



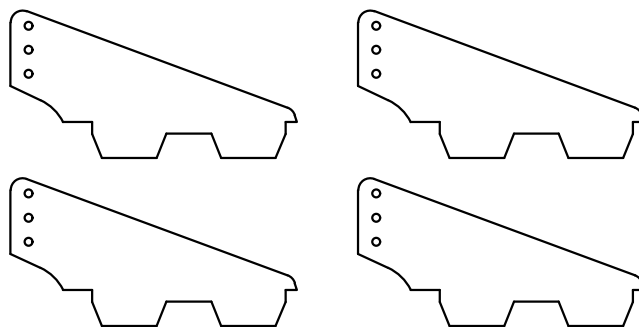
FT Racer: Wood Parts



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



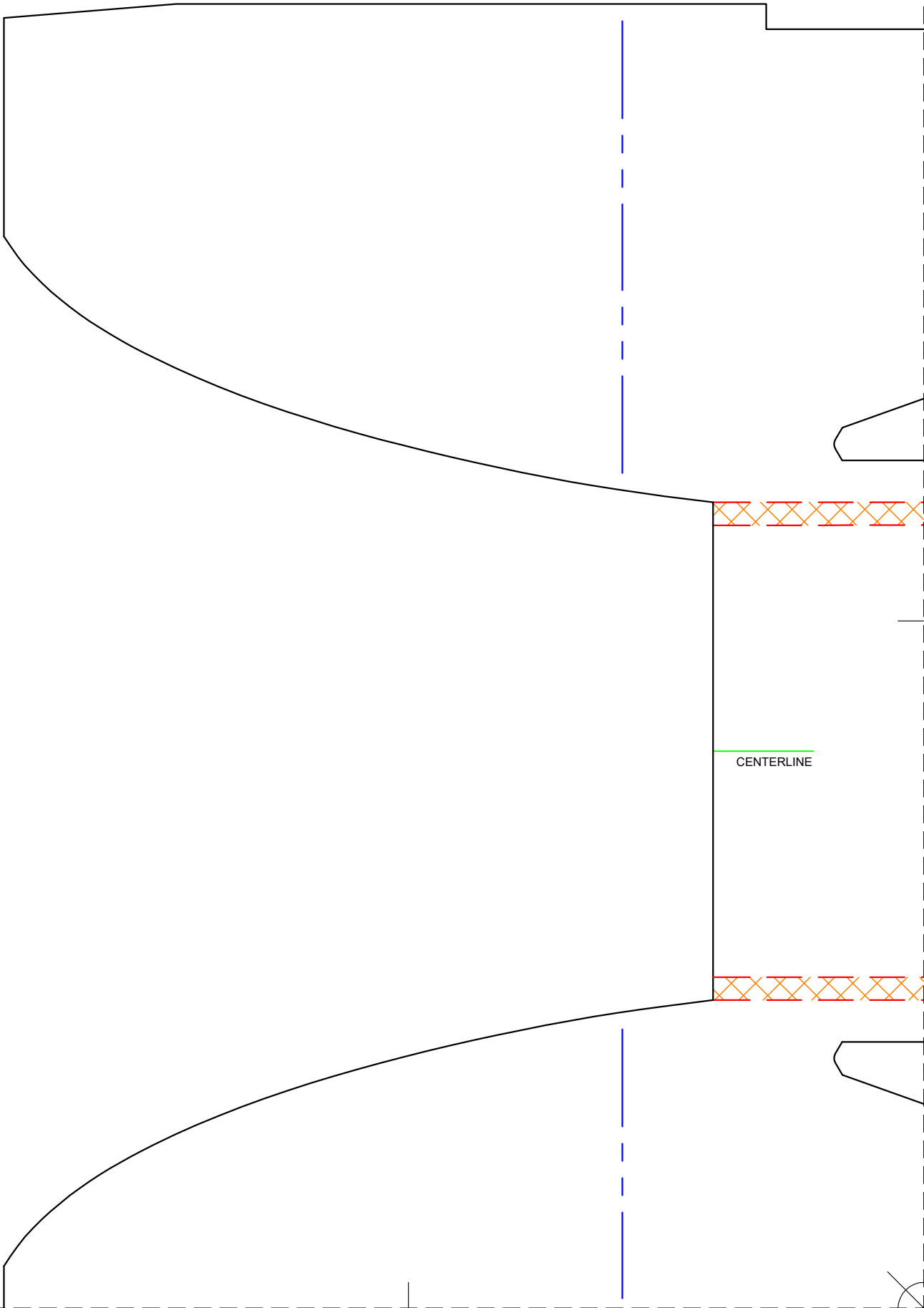
FT STANDARD FIREWALL

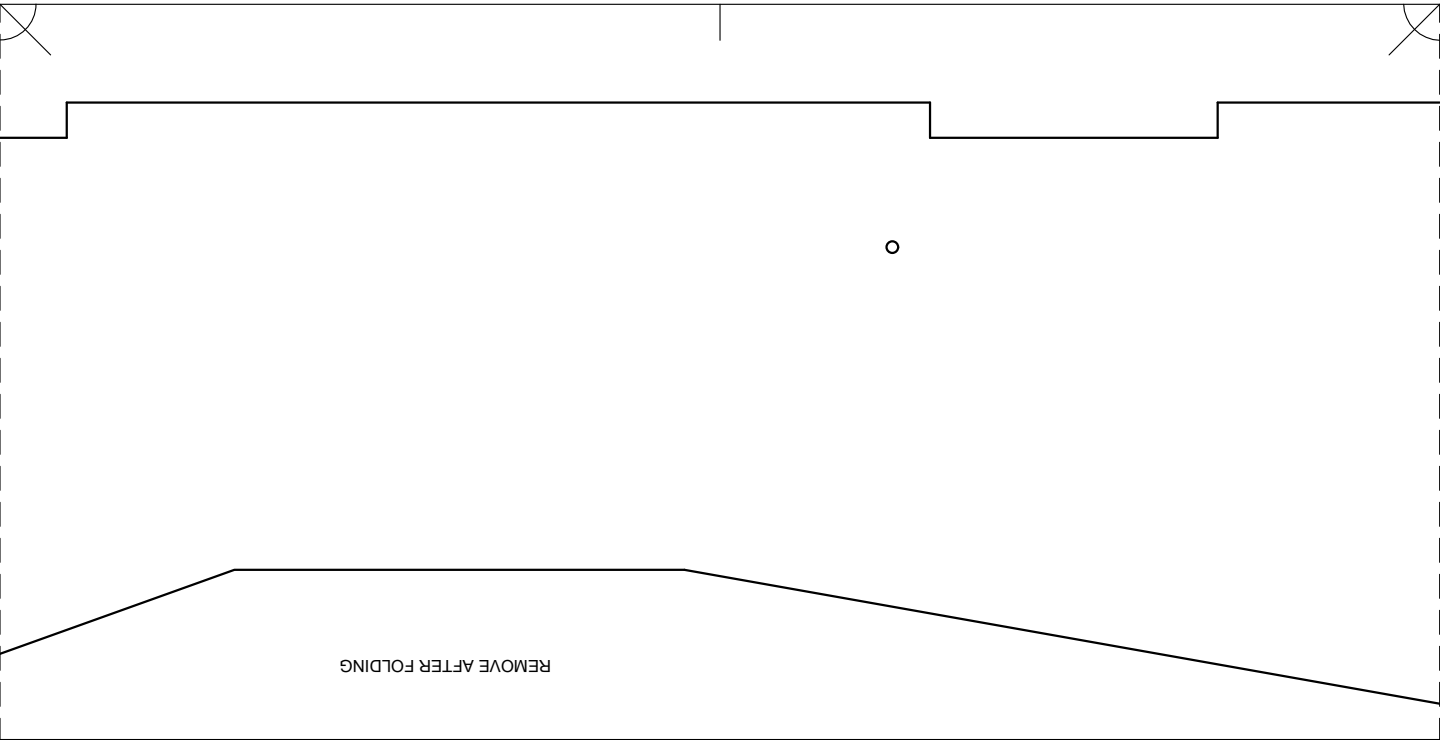


FT STANDARD CONTROL HORNS

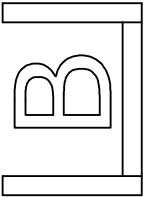


IN
CM





REMOVE AFTER FOLDING



FUSELAGE

FOAM BOARD
FT RACER - v.1.1



REMOVE AFTER FOLDING



IN
CM

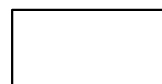


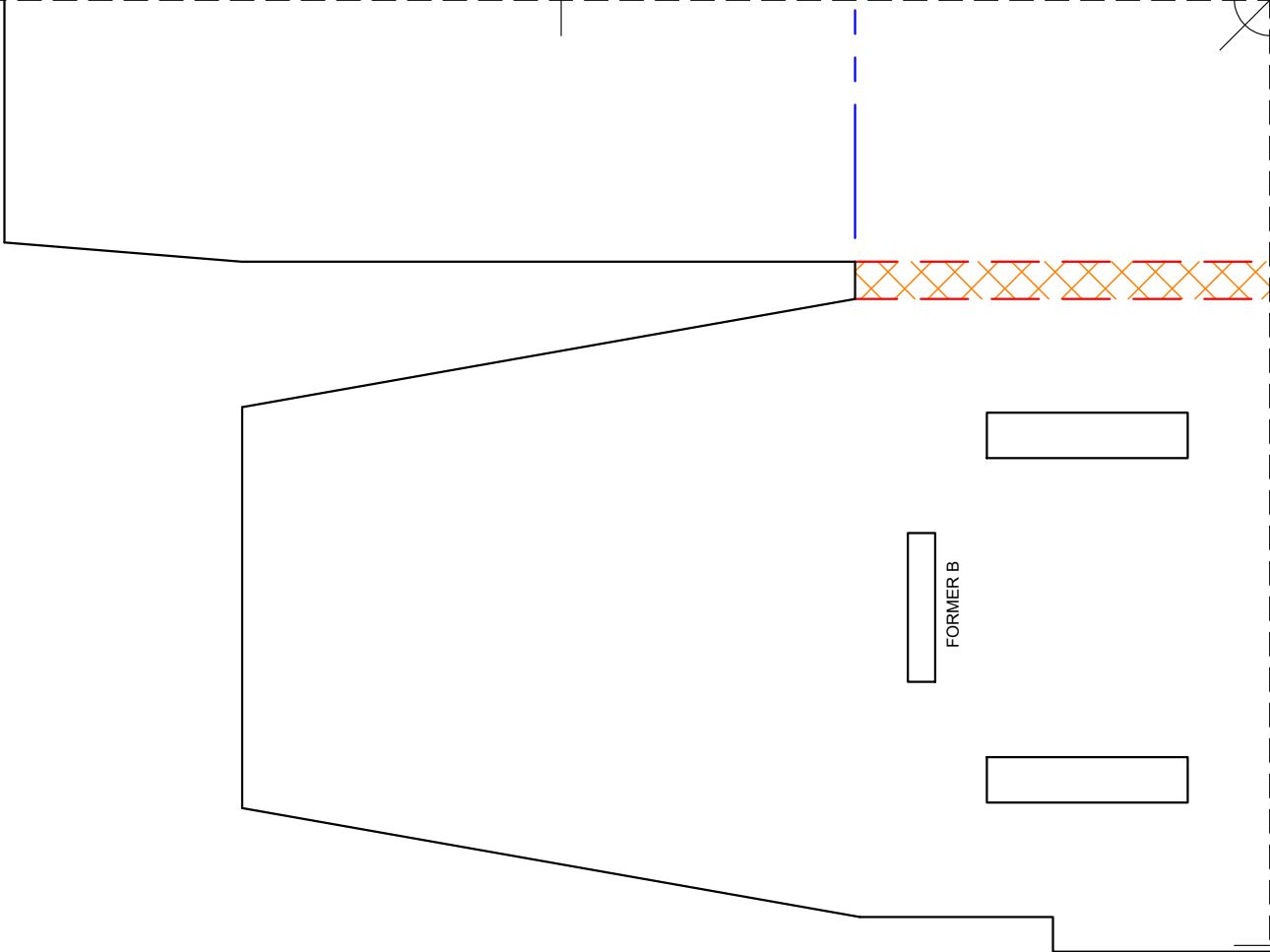
FORMER C

CENTERLINE



9 GRAM
SERVO



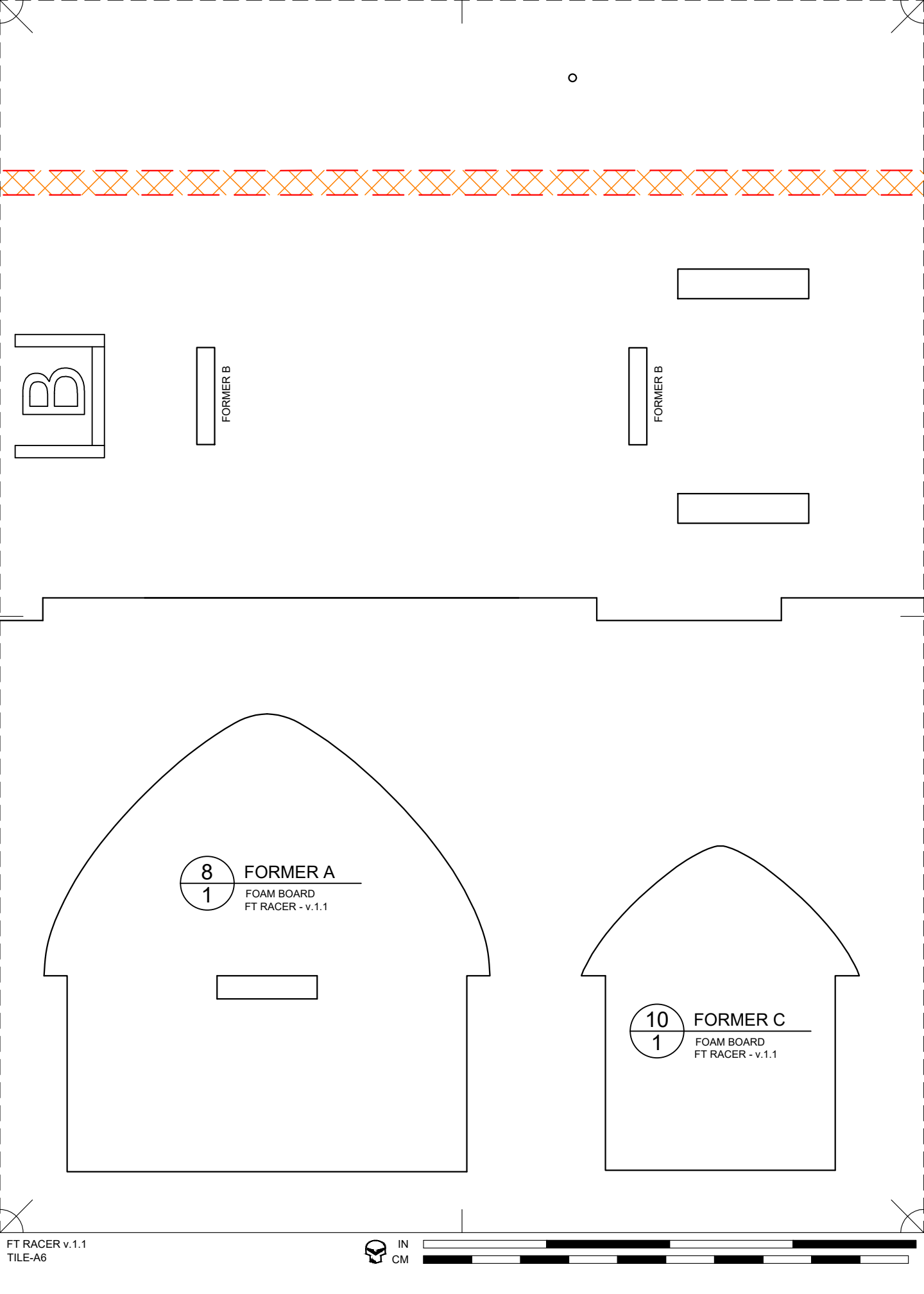


3.54 in / 90 mm

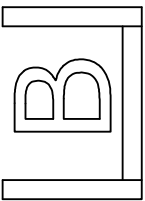
G1

DIHEDRAL GAUGE

FOAM BOARD
FT RACER - v.1.1

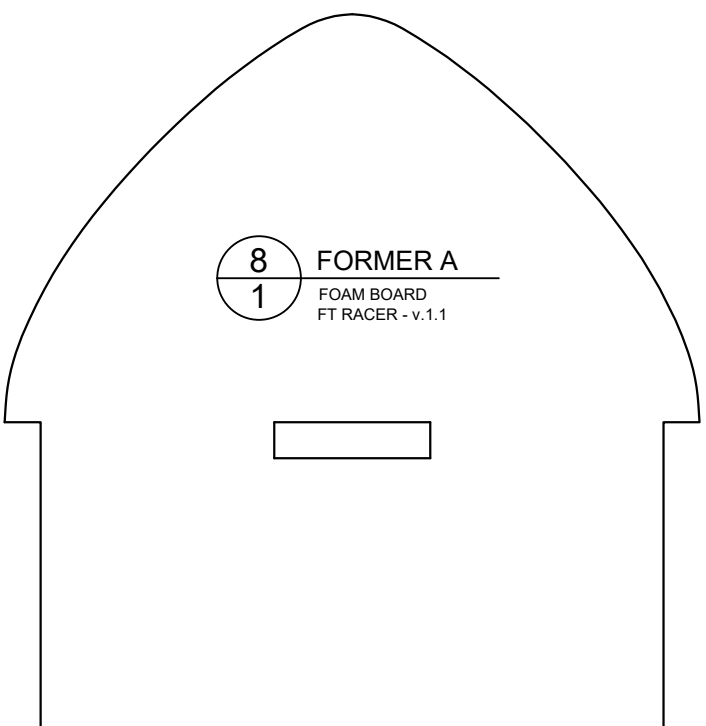
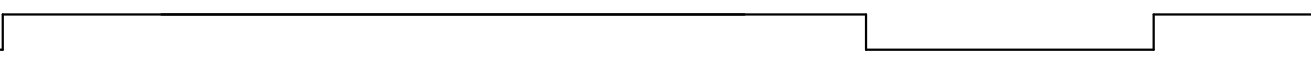
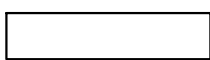
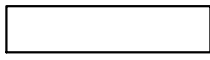


o

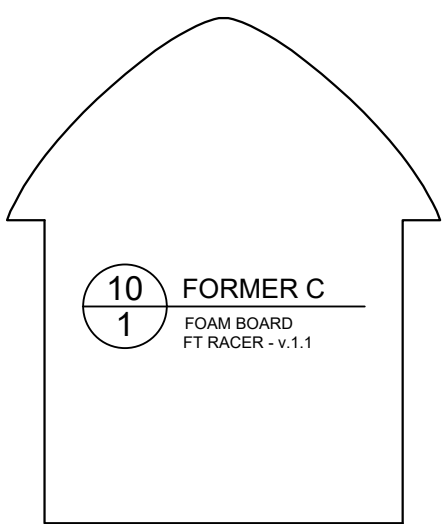
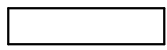


FORMER B

FORMER B



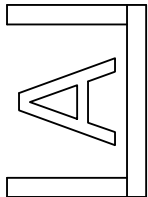
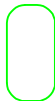
8
1
FORMER A
FOAM BOARD
FT RACER - v.1.1



10
1
FORMER C
FOAM BOARD
FT RACER - v.1.1

FORMER C

FORMER A



POWER POD

FOAM BOARD
FT RACER - v.1.1



FORMER C

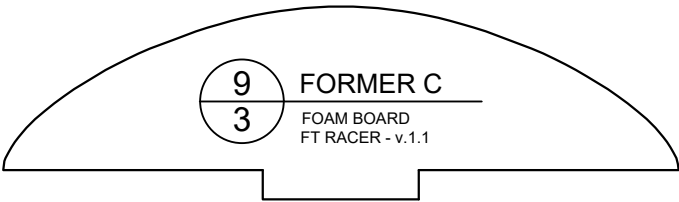
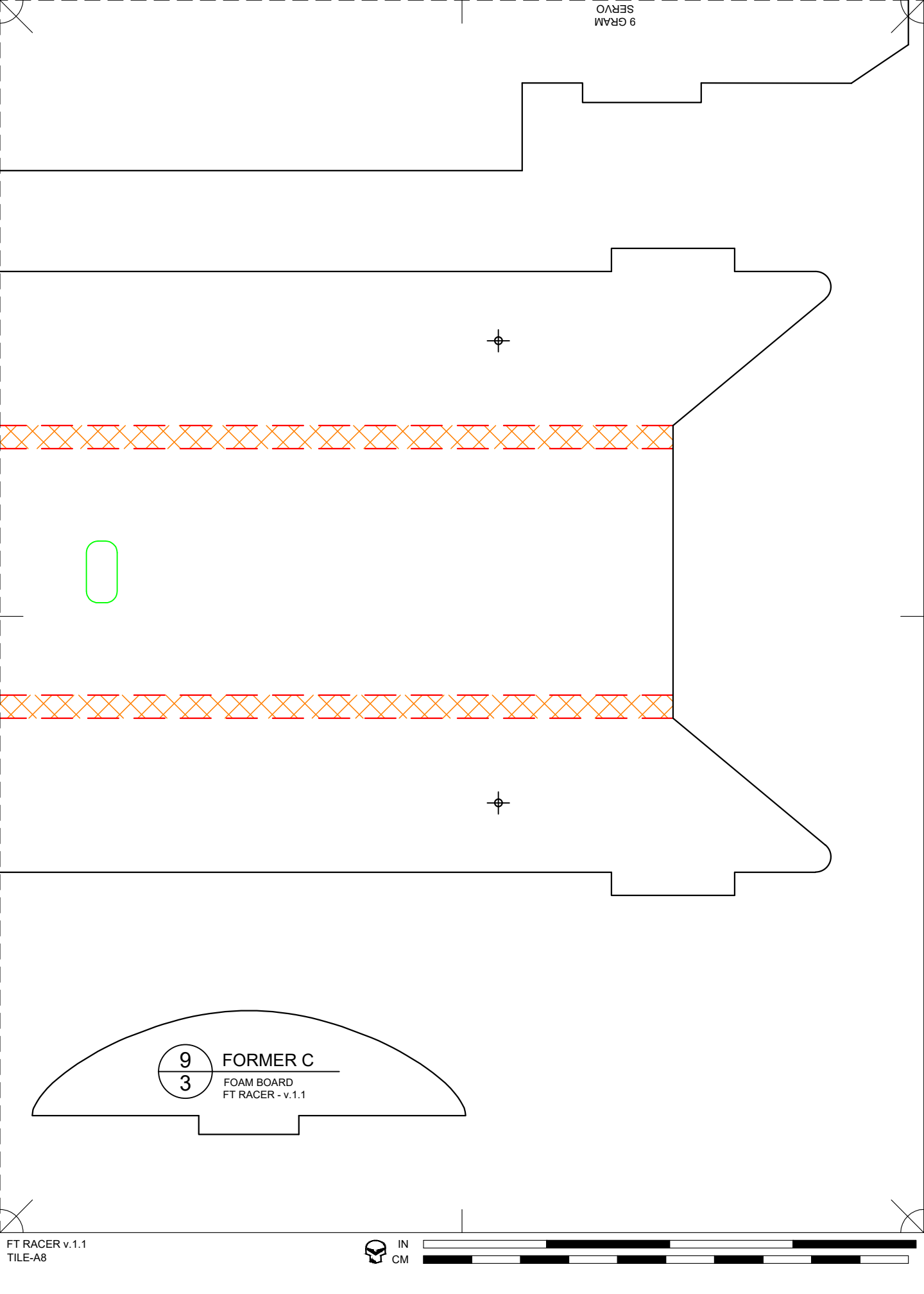
FOAM BOARD
FT RACER - v.1.1



FORMER C

FOAM BOARD
FT RACER - v.1.1

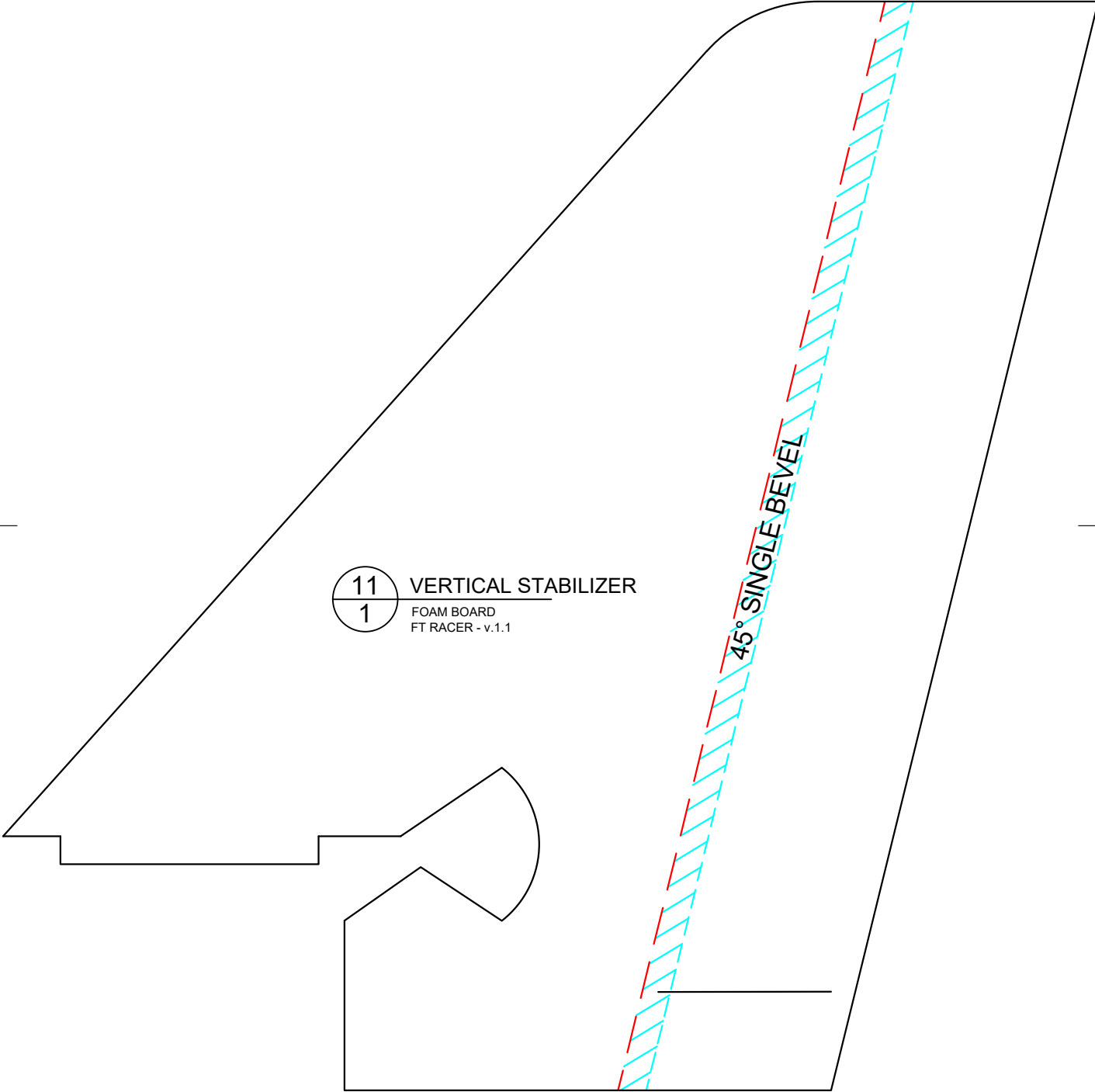
9 GRAM
SERVO



9
3

FORMER C
FOAM BOARD
FT RACER - v.1.1





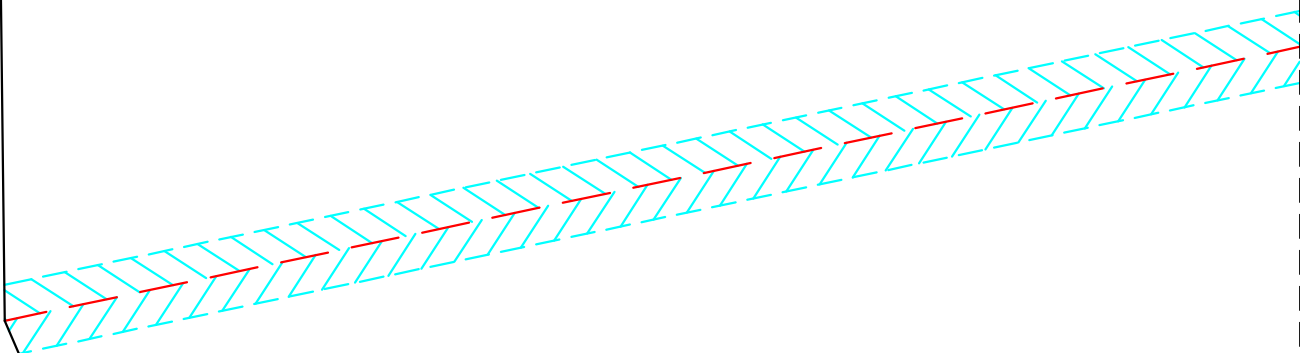


IN
CM



RIGHT WING

FOAM BOARD
FT RACER - v.1.1

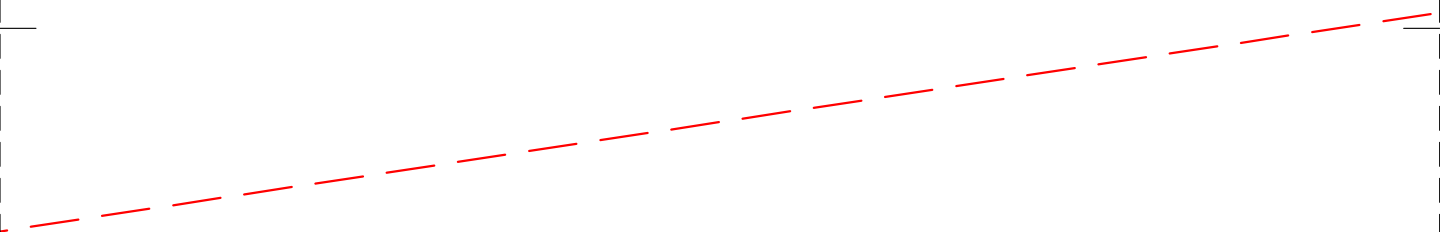
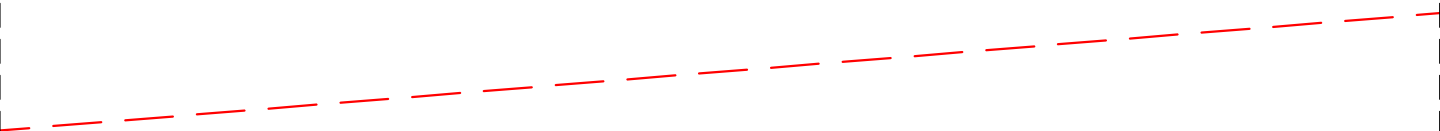




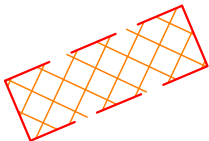
IN
CM

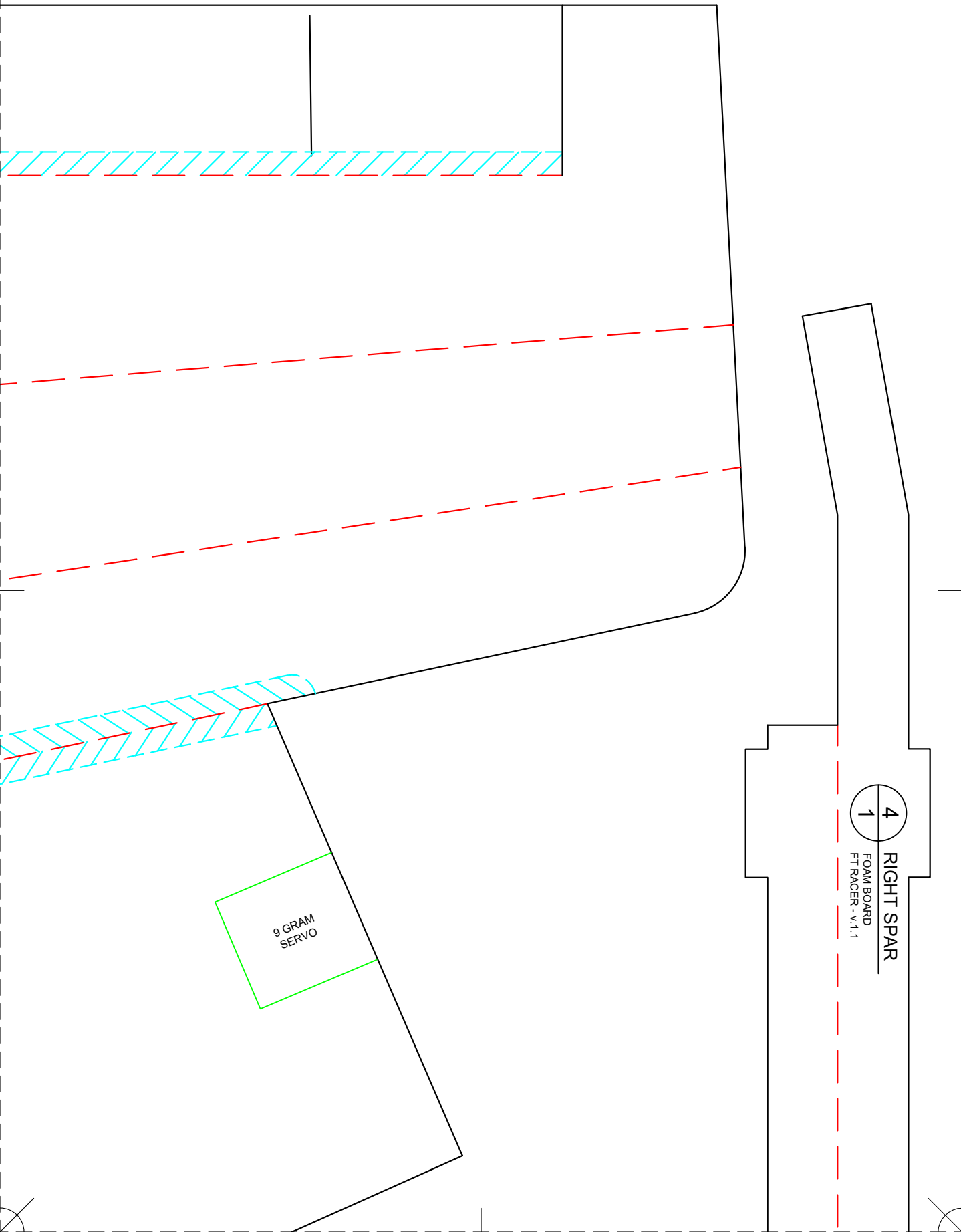


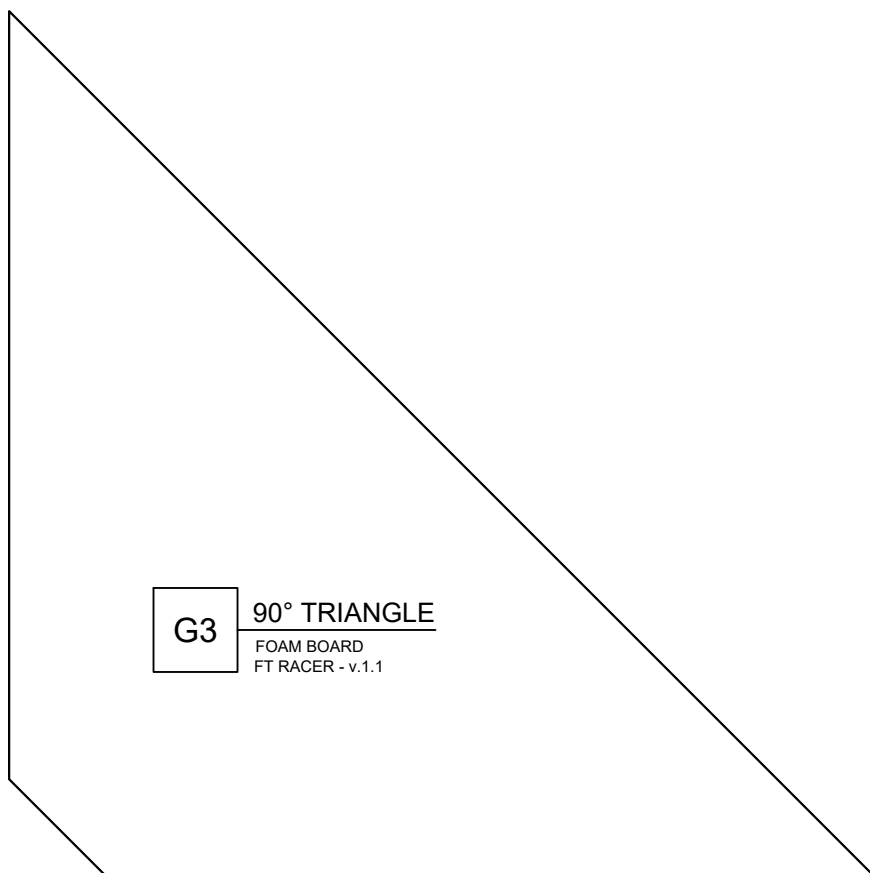
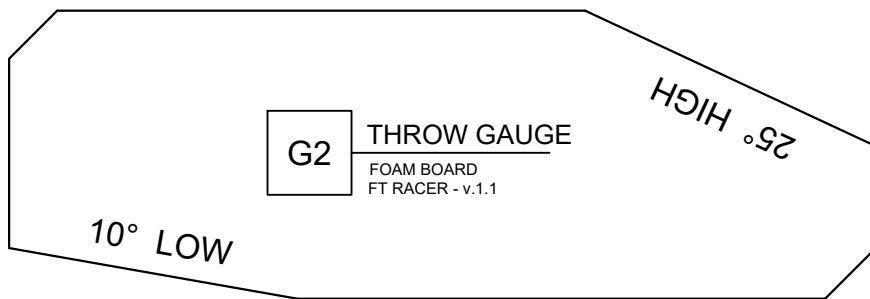
45° SINGLE BEVEL

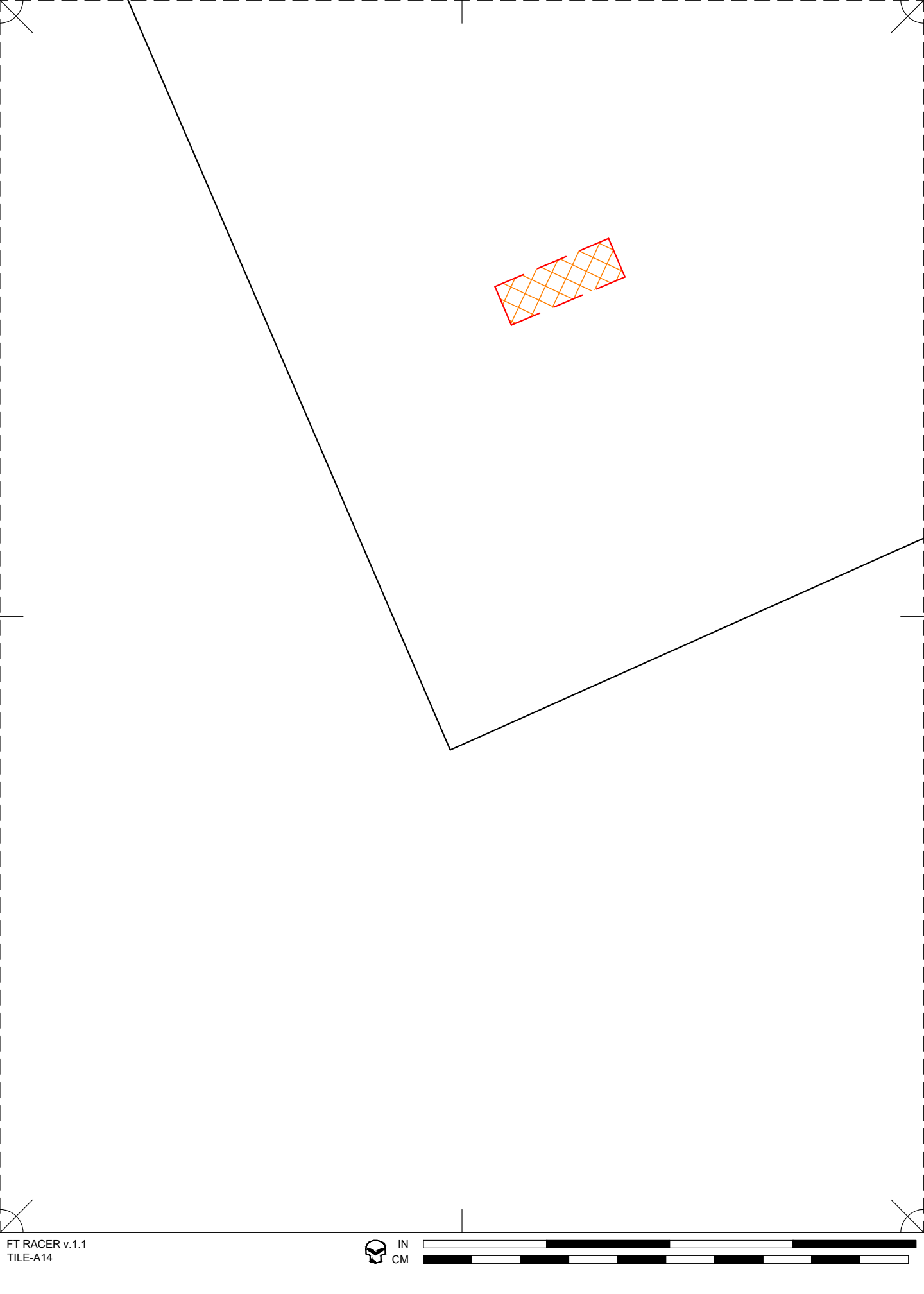


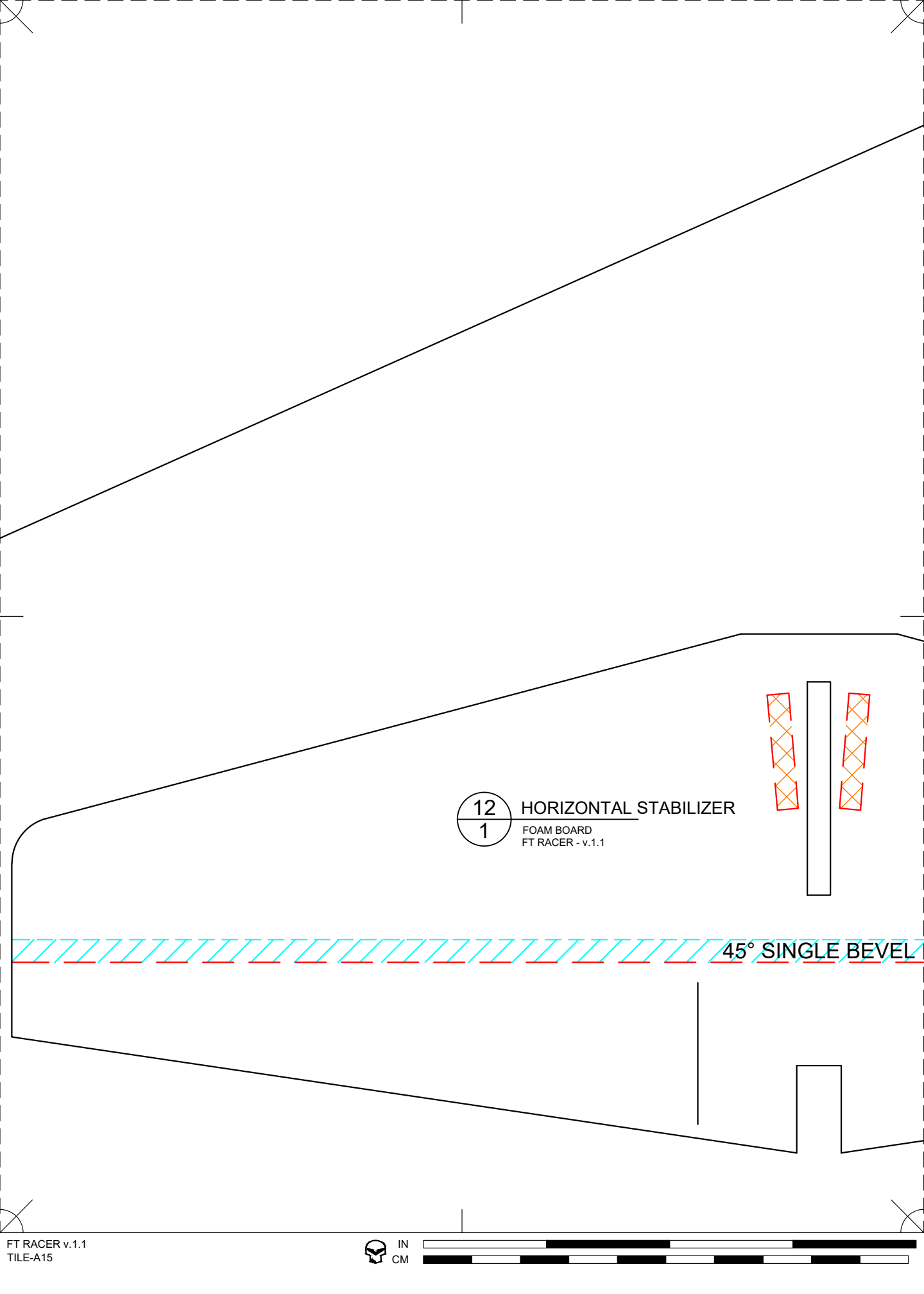
45° DOUBLE BEVEL







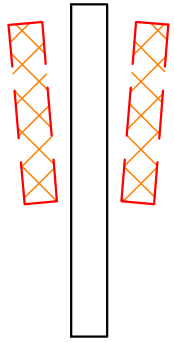




12
1

HORIZONTAL STABILIZER

FOAM BOARD
FT RACER - v.1.1

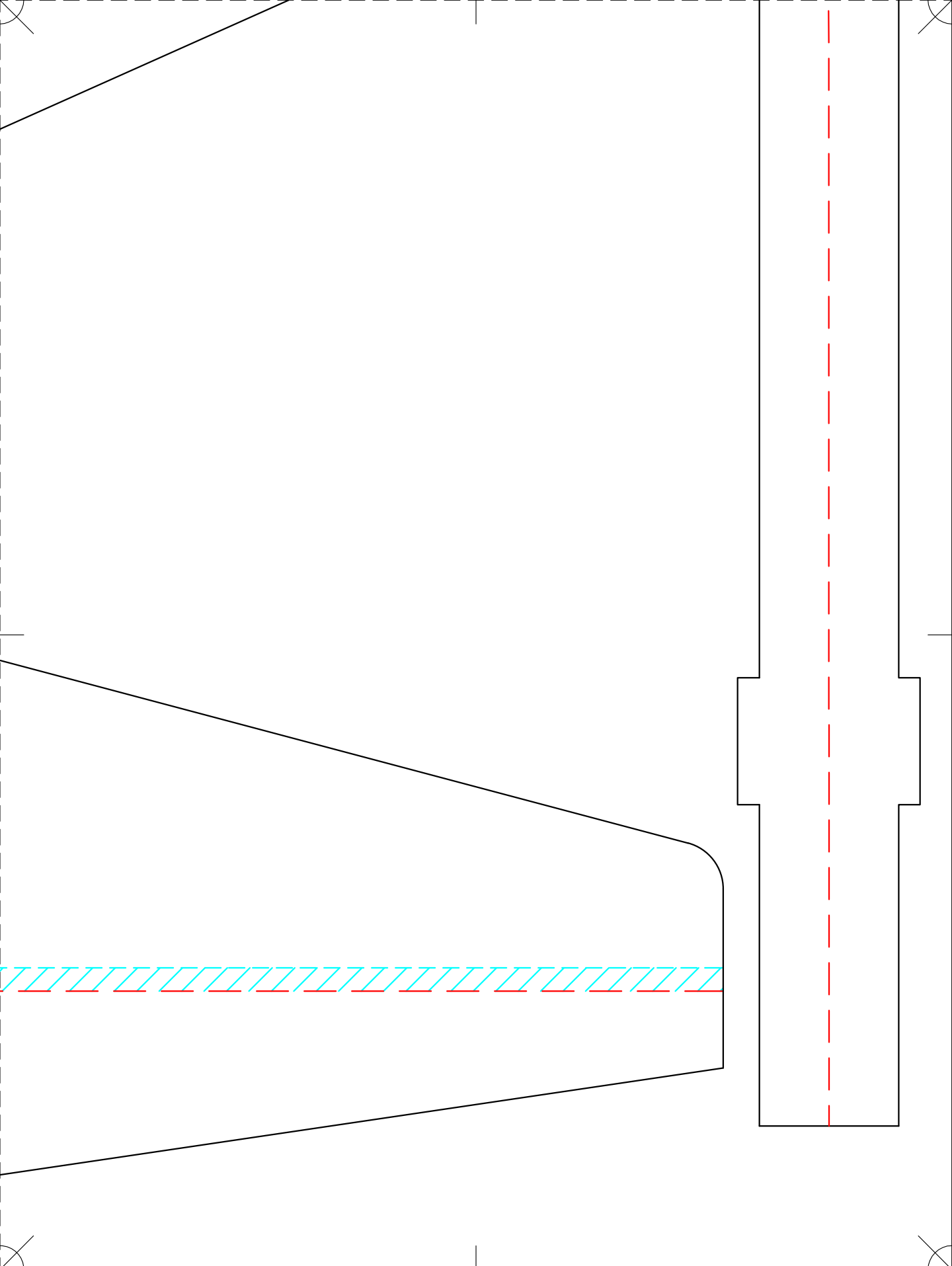


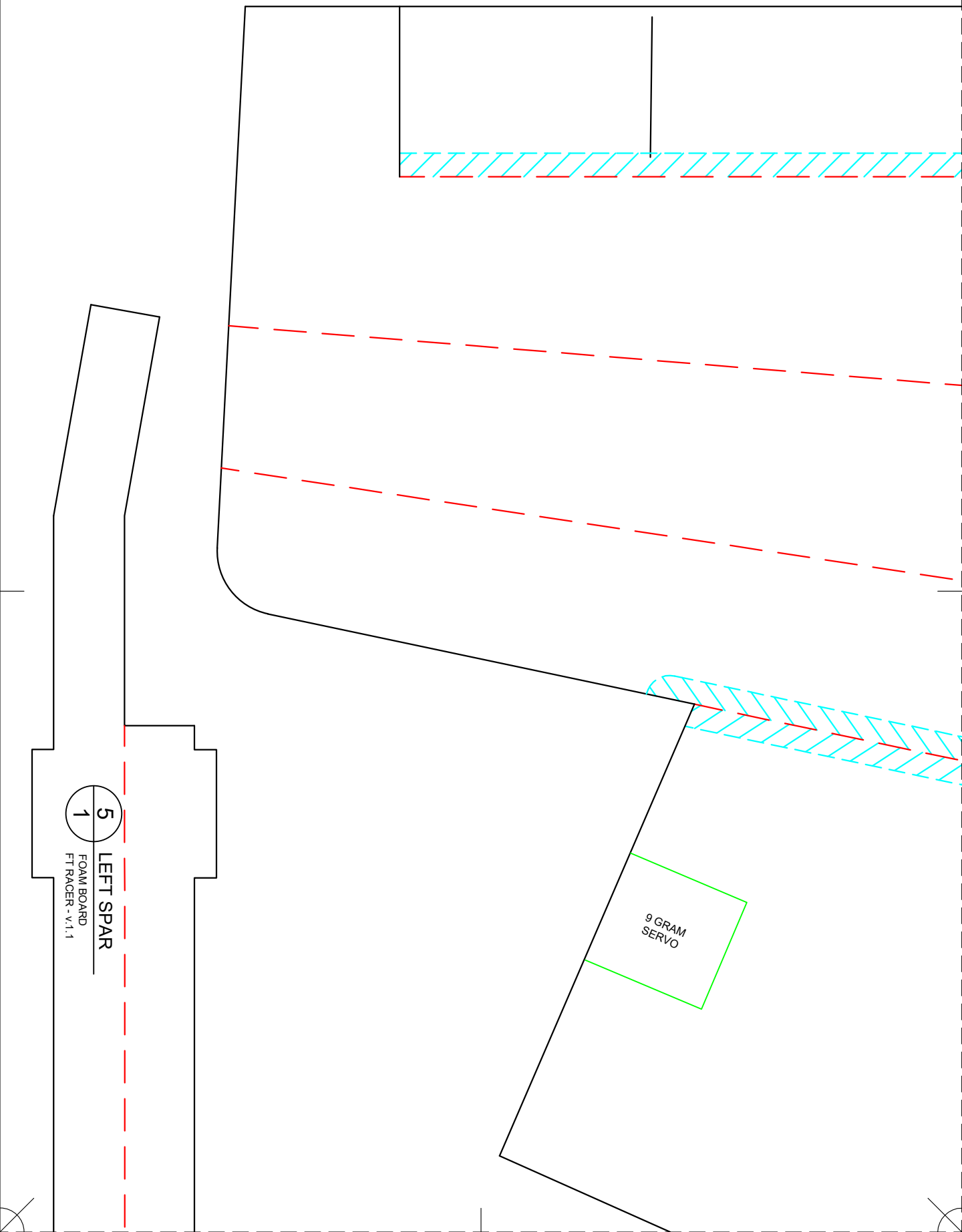
45° SINGLE BEVEL



IN
CM





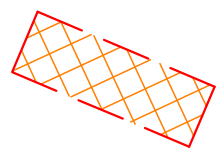
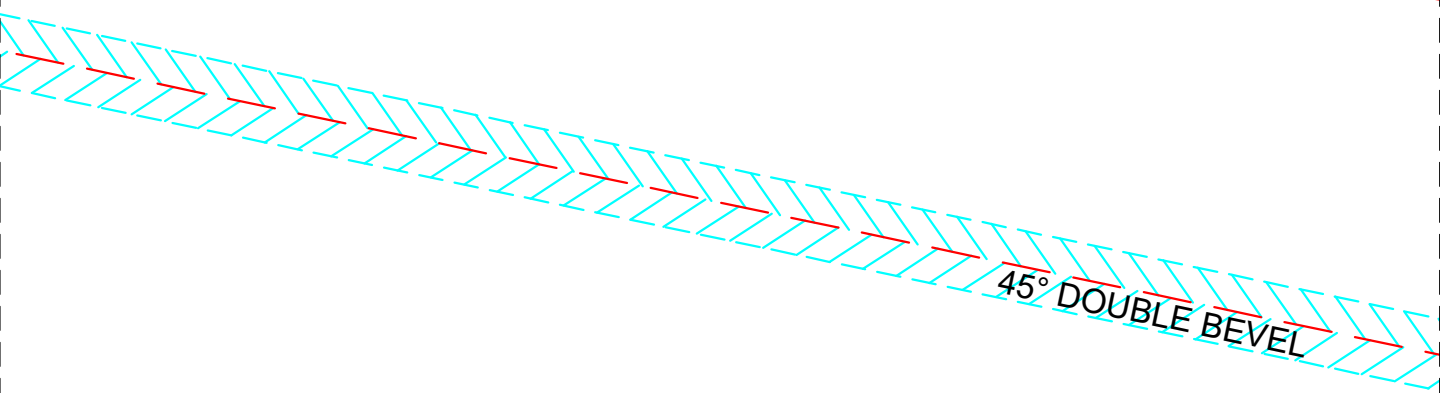
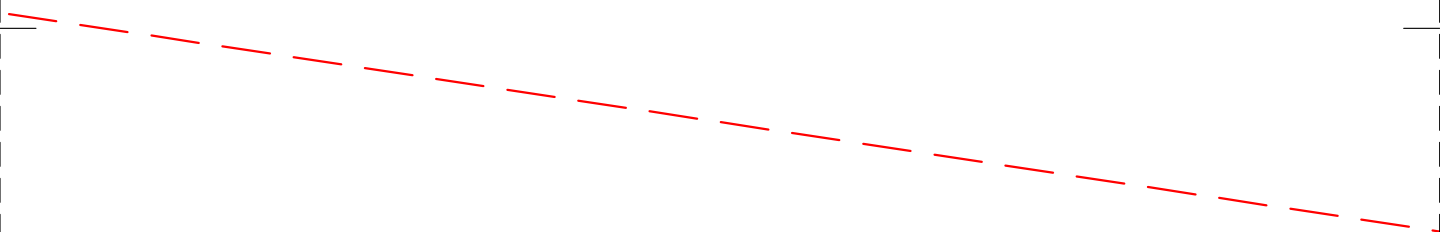
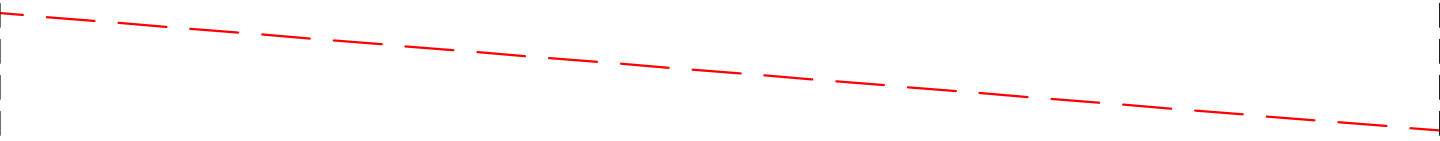




IN
CM



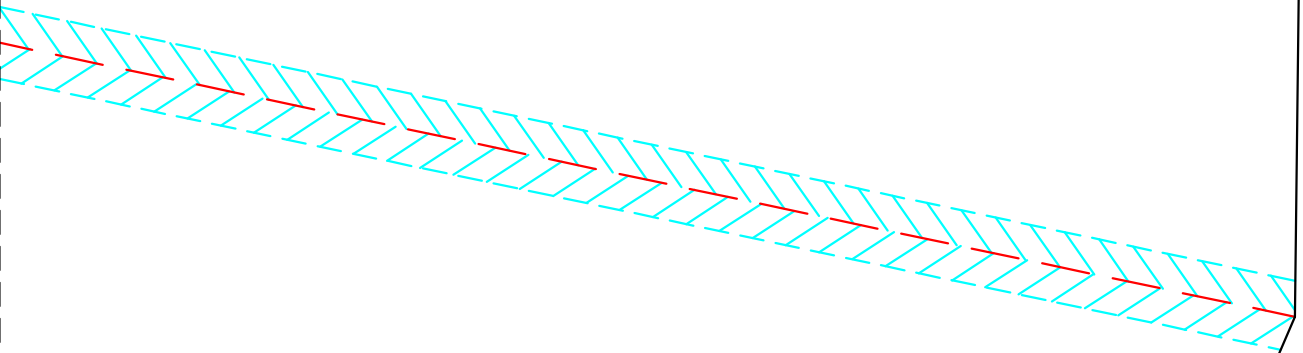
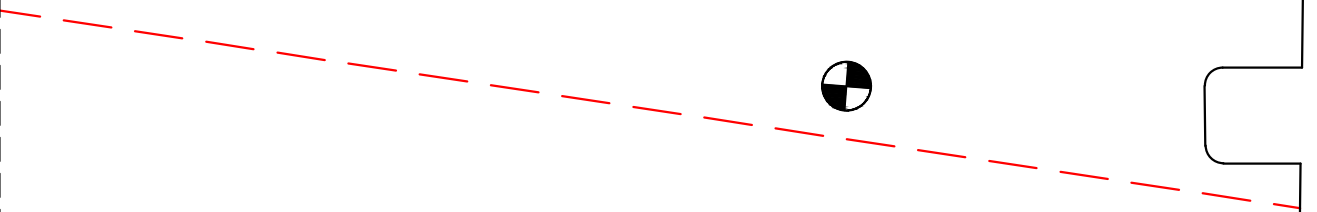
45° SINGLE BEVEL





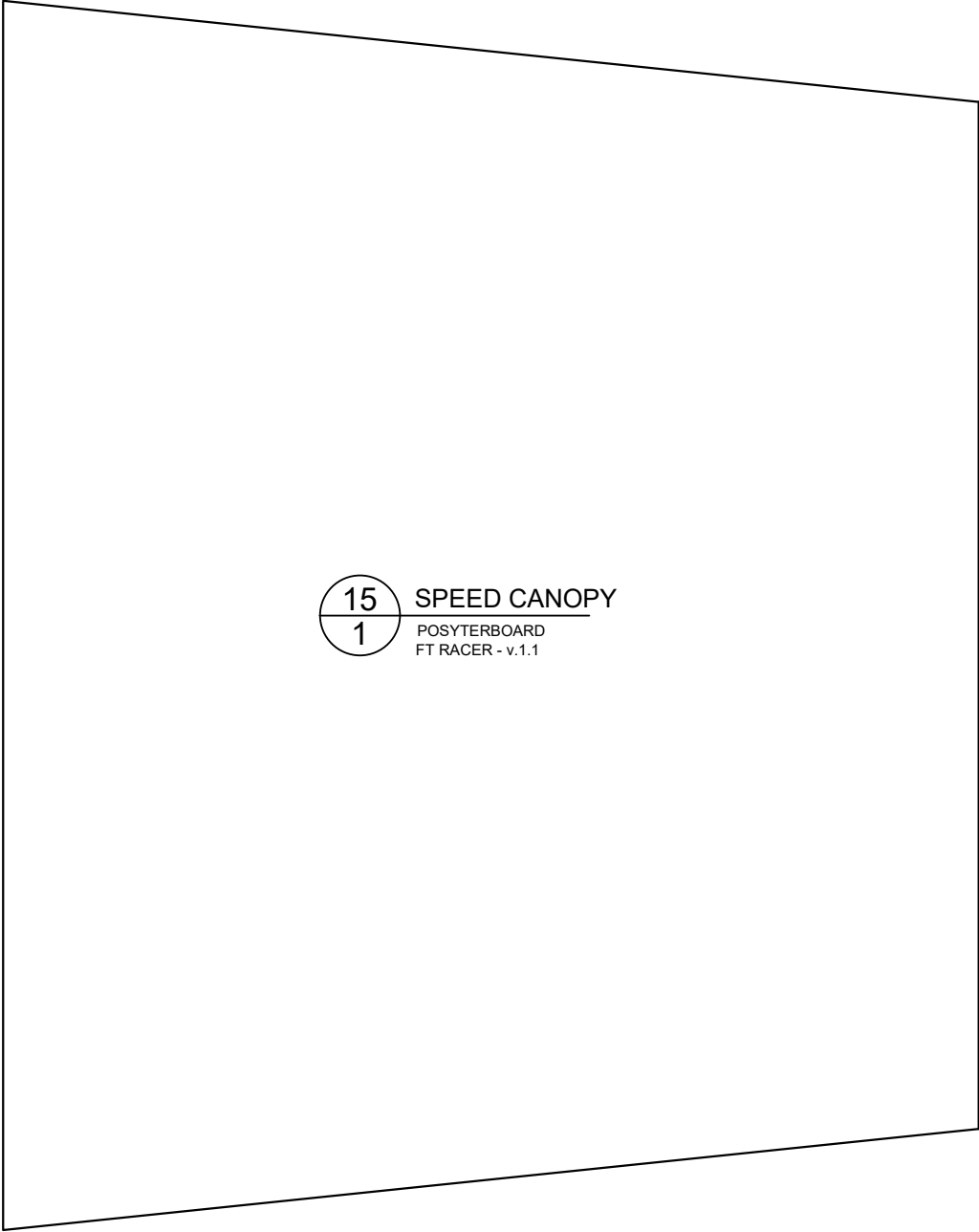
LEFT WING

FOAM BOARD
FT RACER - v.1.1



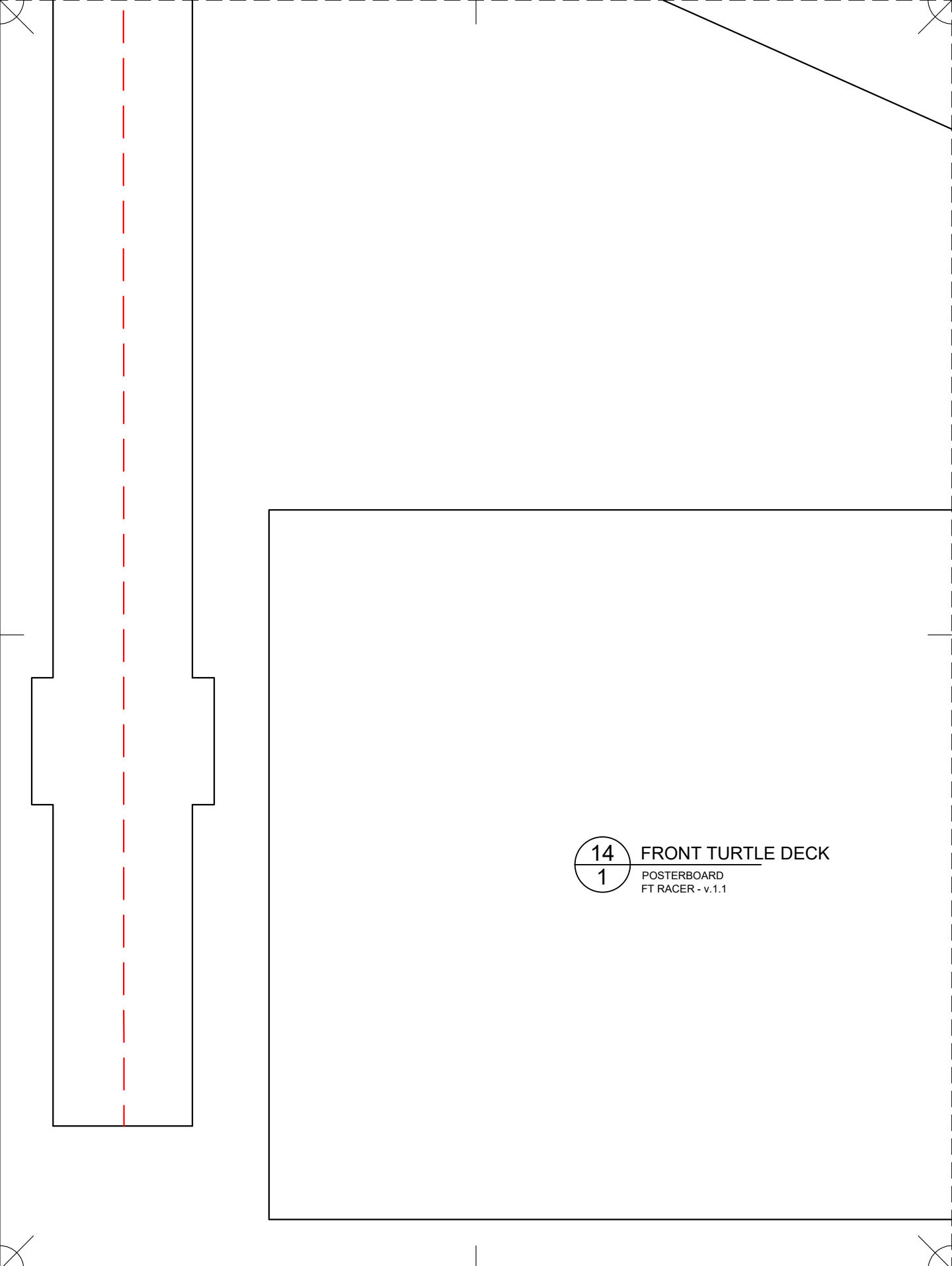


IN
CM



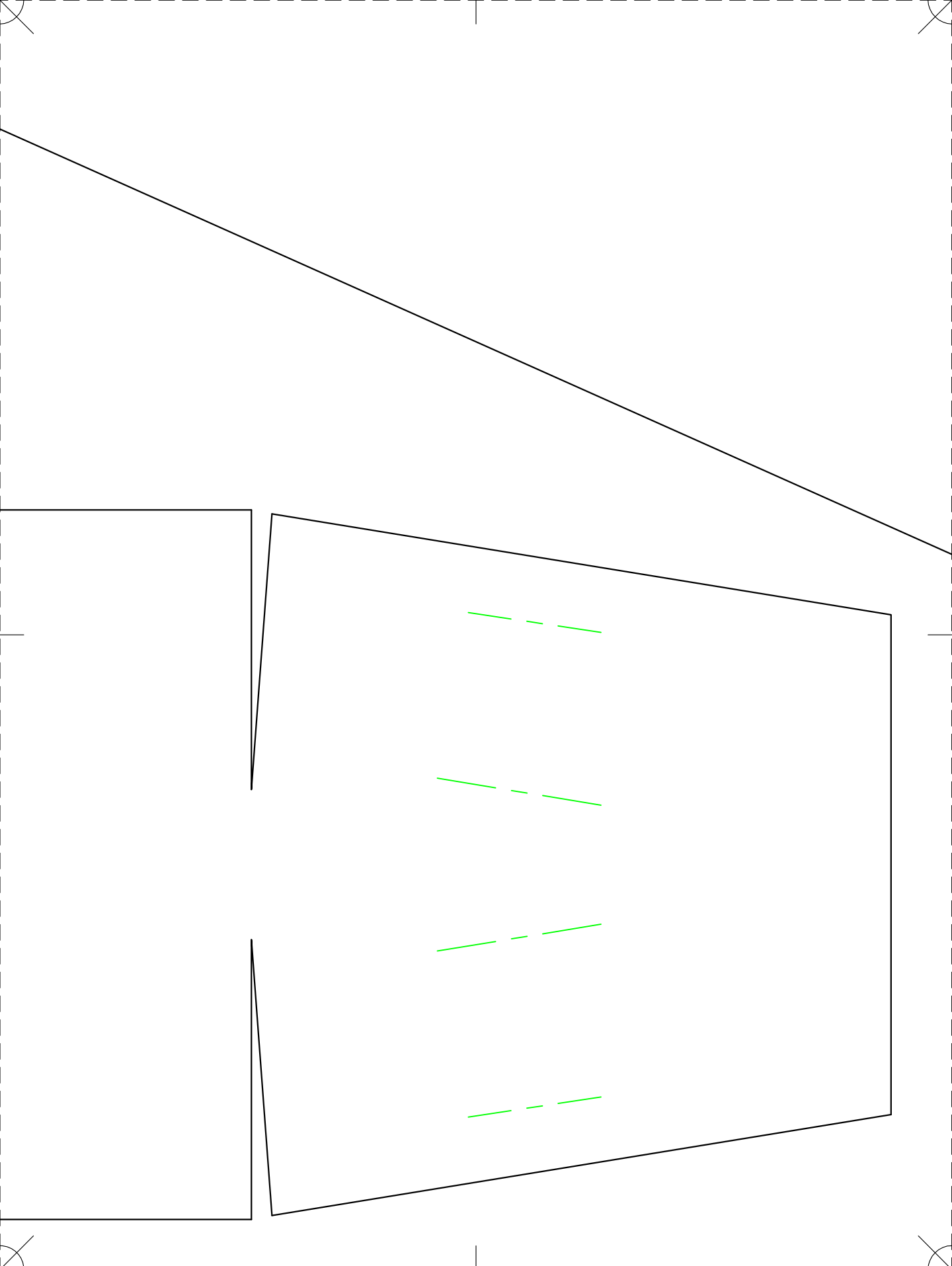
SPEED CANOPY

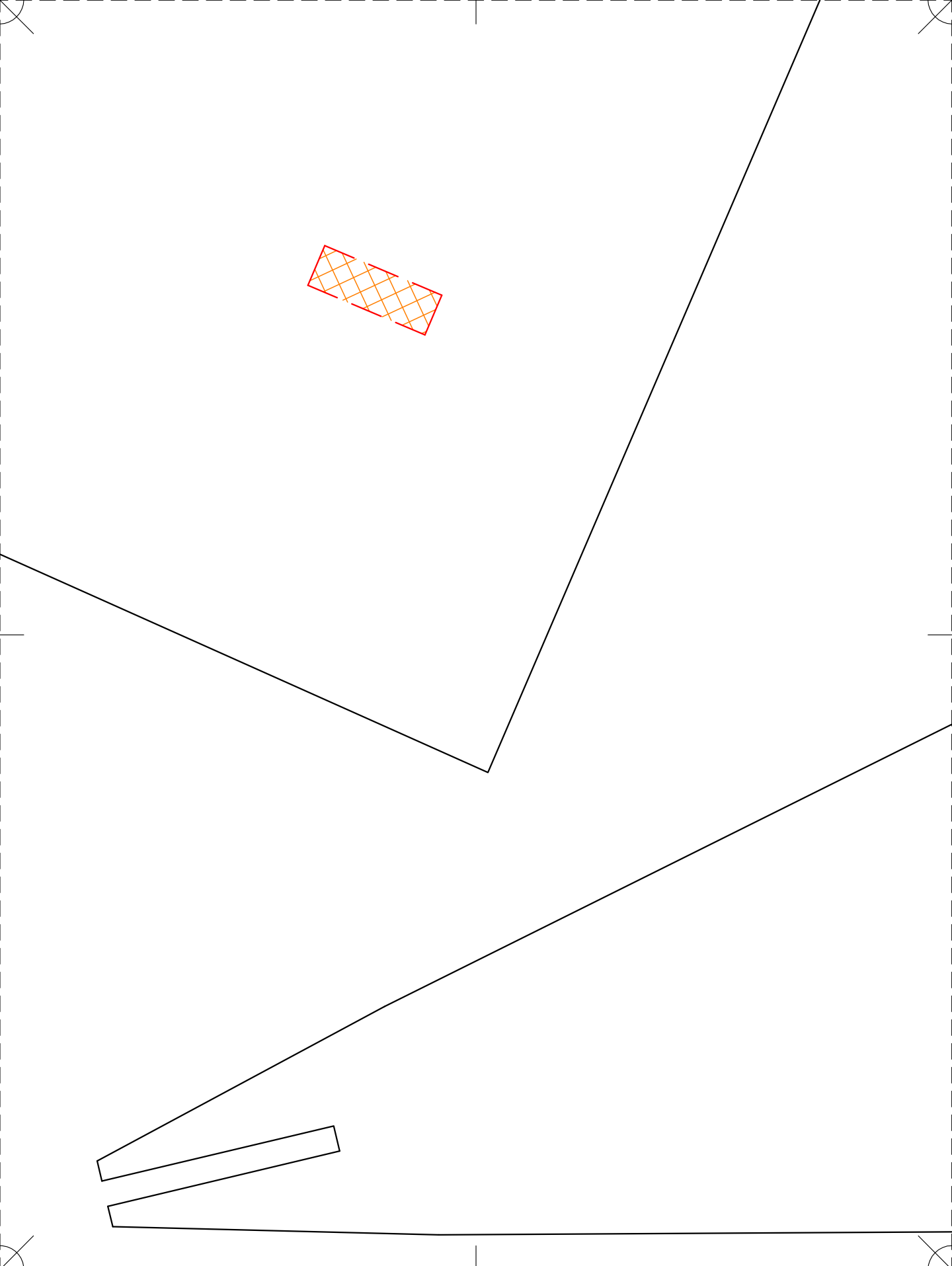
POSYTERBOARD
FT RACER - v.1.1



FRONT TURTLE DECK

POSTERBOARD
FT RACER - v.1.1







WING TIP PLATE

POSTERBOARD
FT RACER - v.1.1



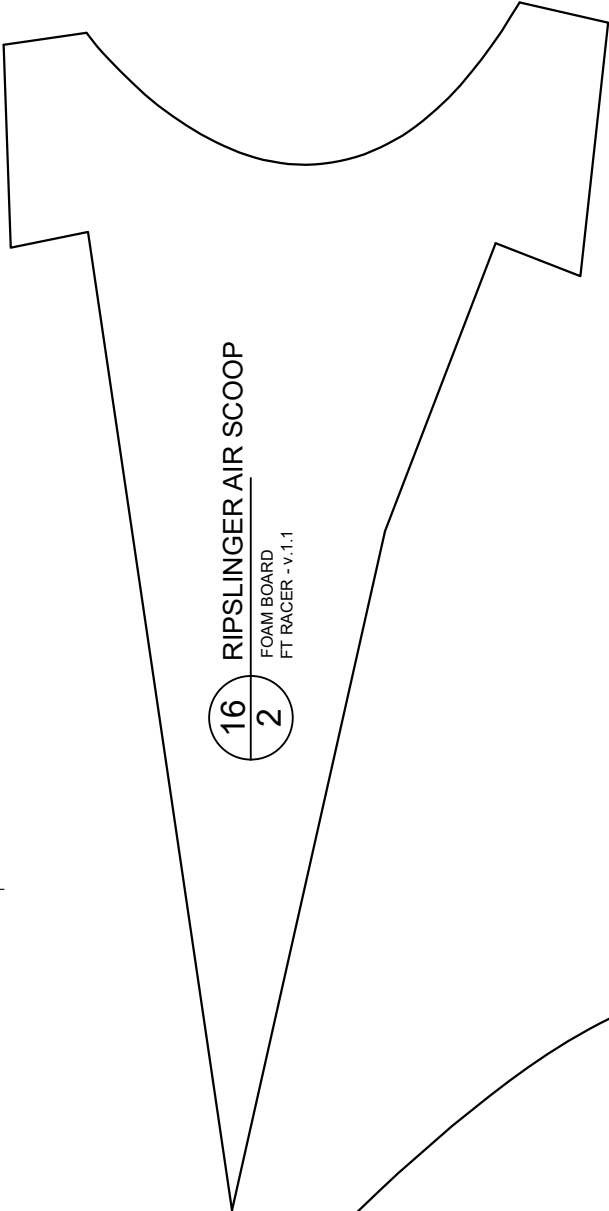
WING TIP PLATE

POSTERBOARD
FT RACER - v.1.1



REAR TURTLE DECK

POSTERBOARD
FT RACER - v.1.1



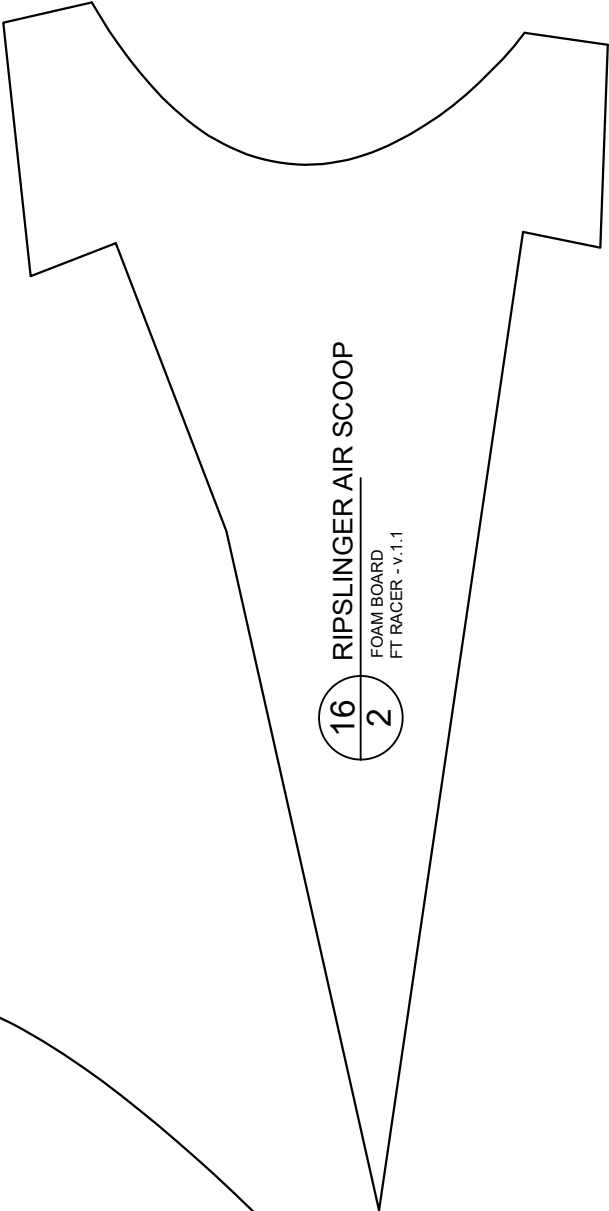
16

2

RIPSLINGER AIR SCOOP

FOAM BOARD

FT RACER - v.1.1



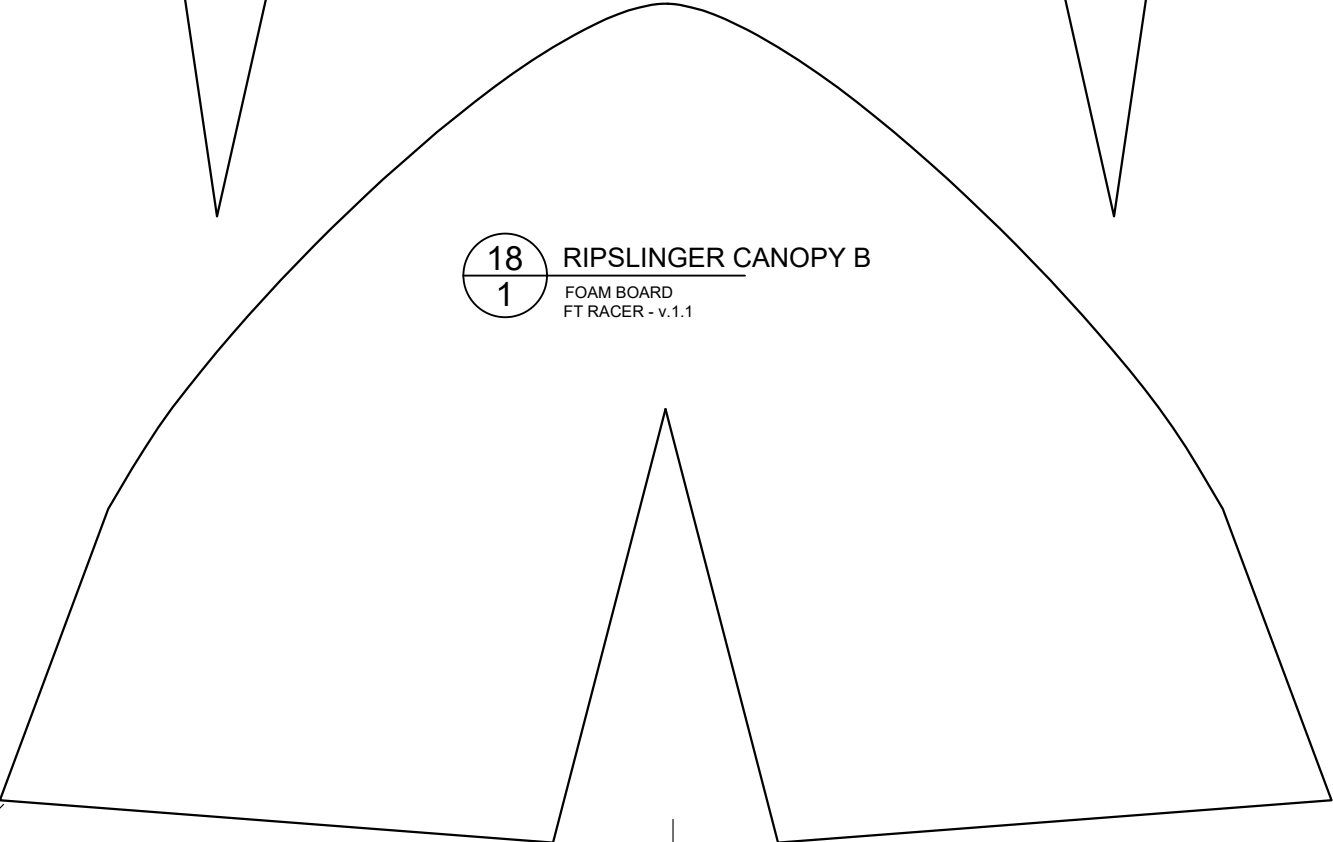
16

2

RIPSLINGER AIR SCOOP

FOAM BOARD

FT RACER - v.1.1



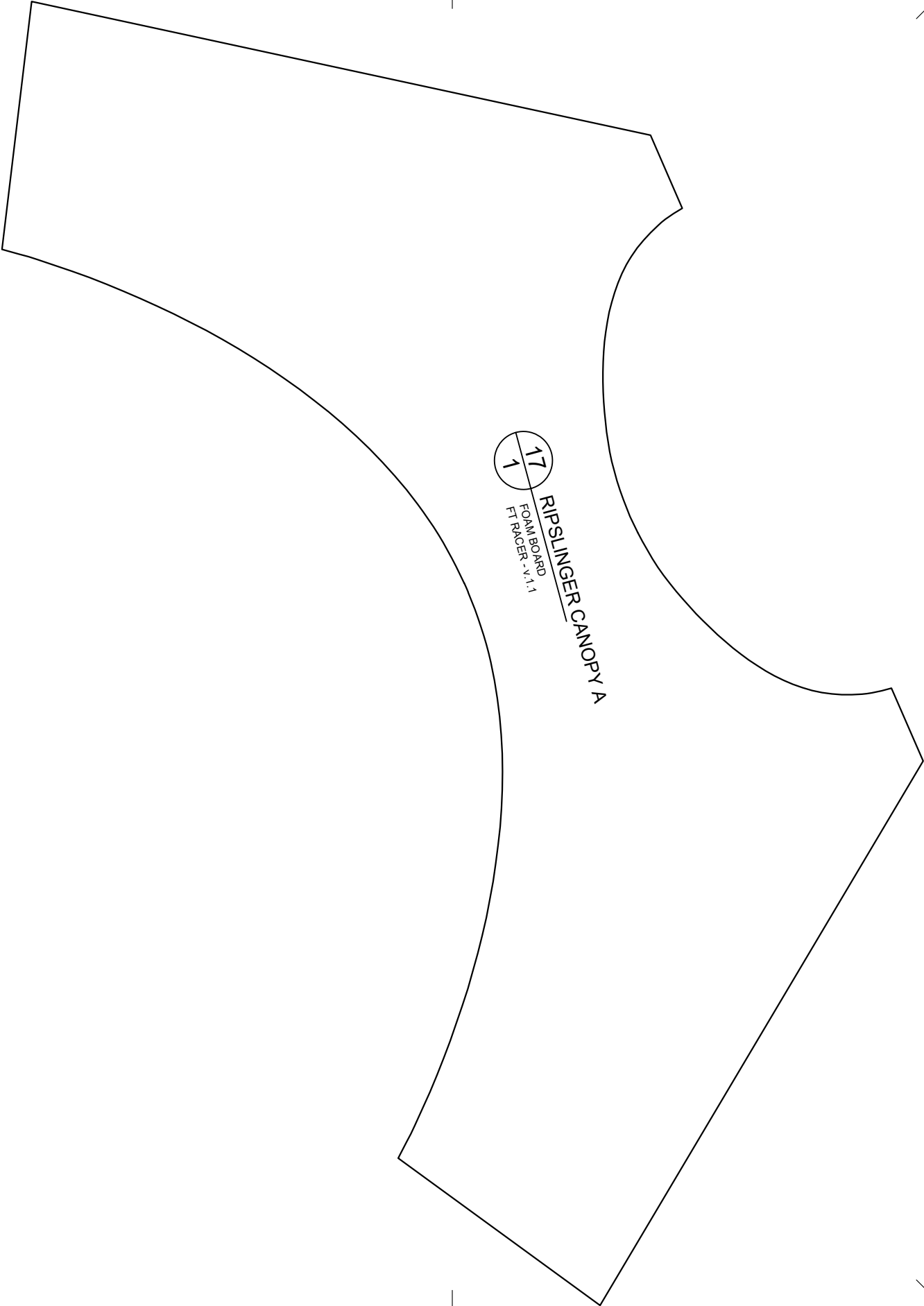
18

1

RIPSLINGER CANOPY B

FOAM BOARD

FT RACER - v.1.1



17
1
RIPSLINGER CANOPY A
FOAM BOARD
FT RACER - V.1.1