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FT Edge

Designed By: Andres Lu
Drawing By: Dan Sponholz
Version: 1.0
Date: 2018.07.27



GENERAL SPECIFICATIONS:

LENGTH:	40.00 in	1016 mm
CG:	3.25 in	83 mm
WINGSPAN:	40.00 in	1016 mm
WING AREA:	340.1 in^2	21.9 dm^2
DRY WEIGHT:	24.0 oz.	680 g
ALL UP WEIGHT:	29.5 oz.	835 g
WING LOADING:	12.5 oz/ft^2	38 g/dm^2
WCL:	8.1	
THROWS:	16°	
EXPO:	30%	
CHANNELS:	4 [THR | AIL | ELE | RUD]	

RECOMMENDED ELECTRONICS:

MOTOR:	Park 425 1000 kv min.
PROPELLER:	9x4.5 (4S) to 10x4.5 (3S)
ESC:	30 amp min.
SERVOS:	4X 9 gram
BATTERY:	1300-1400 mAh 3S-4S

SPONZ

WORKS WITH C POWER PACK

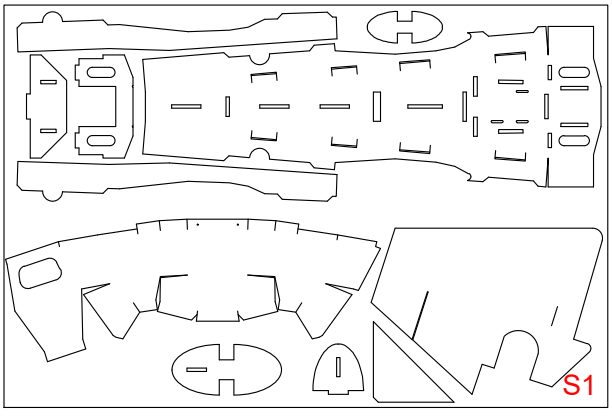
BUILD SKILL LEVEL:

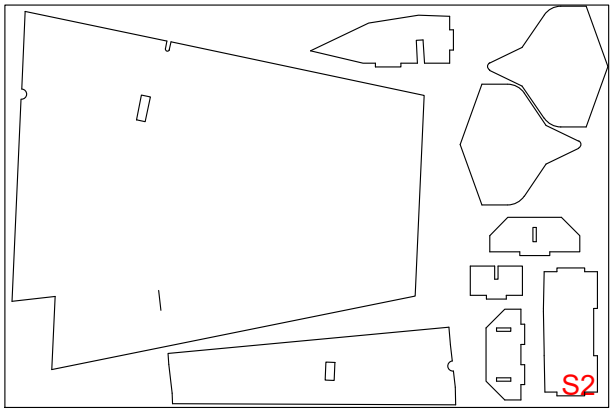
PILOT SKILL LEVEL:

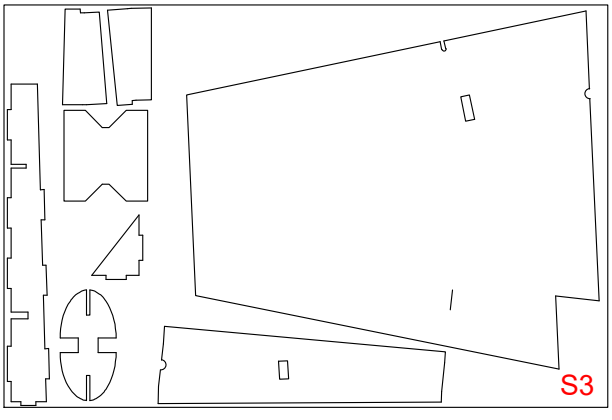
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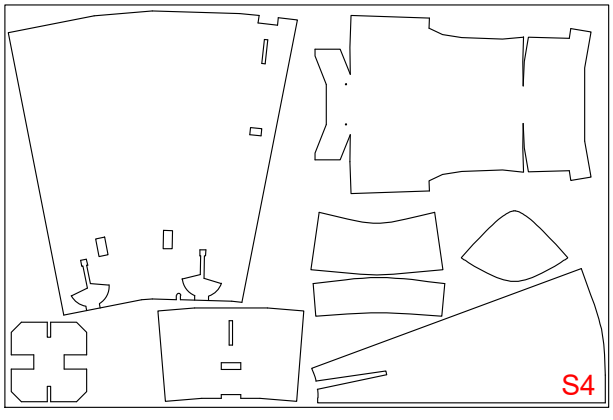
FT Edge: Full-Size Key

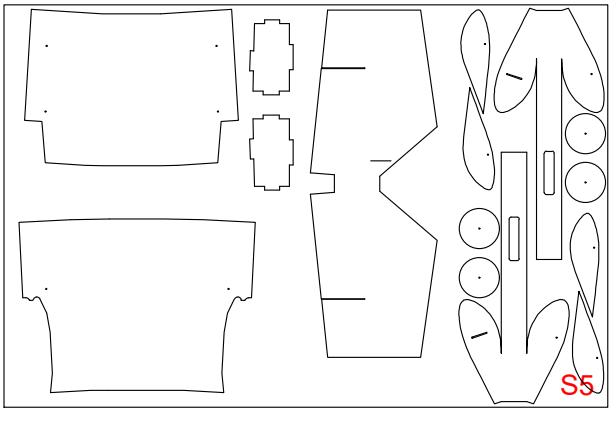








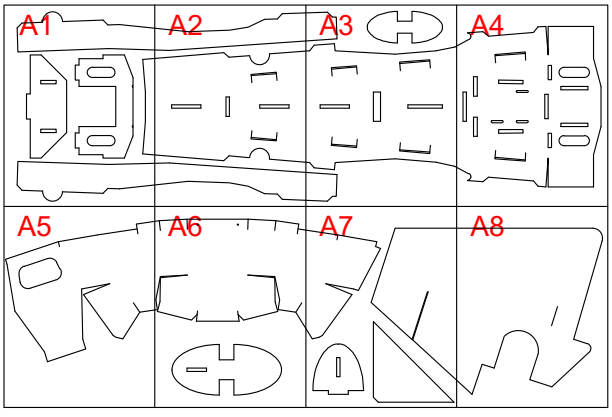


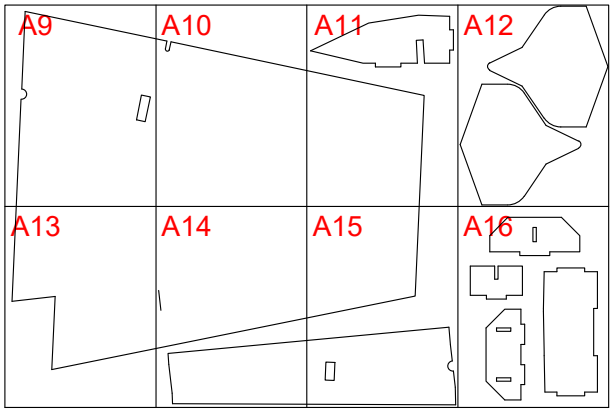


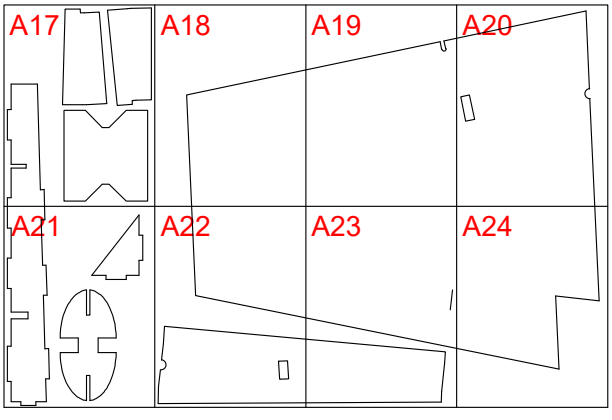
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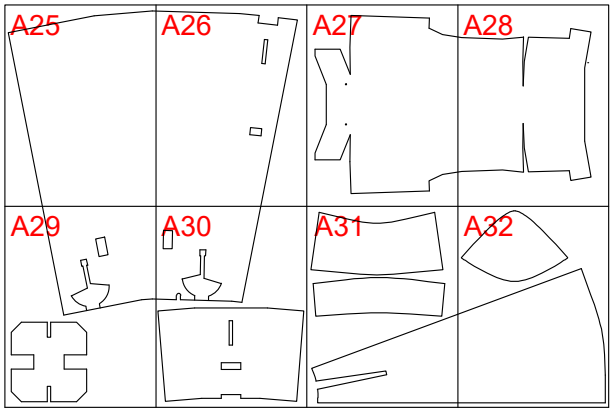
FT Edge: Tile A Key

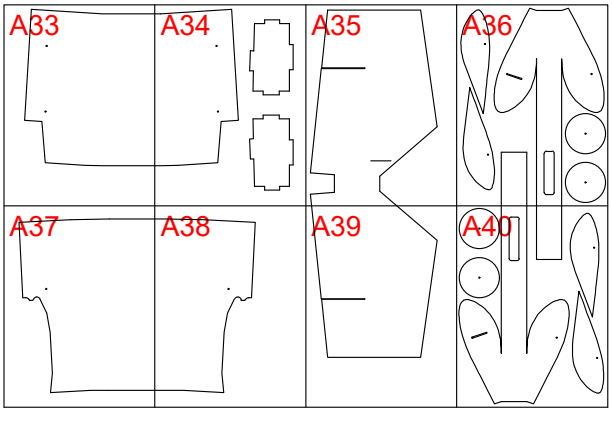








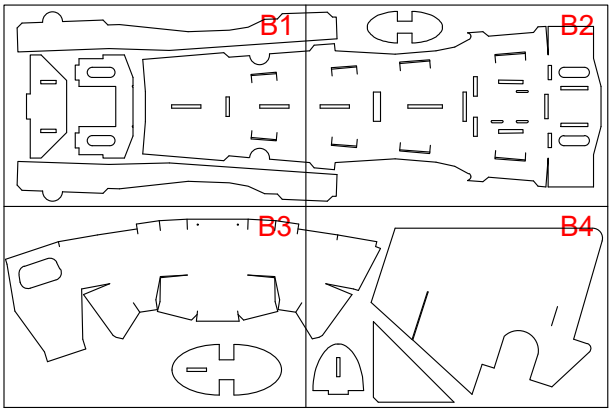


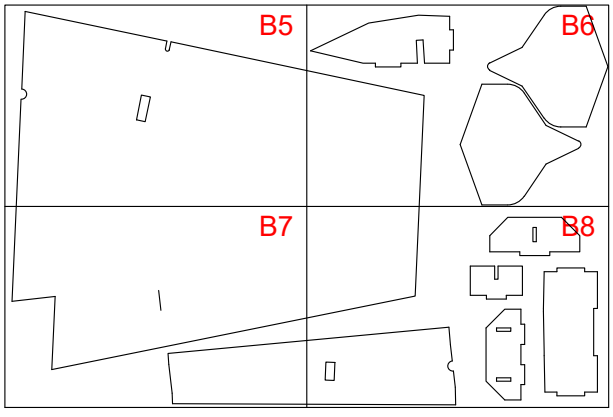


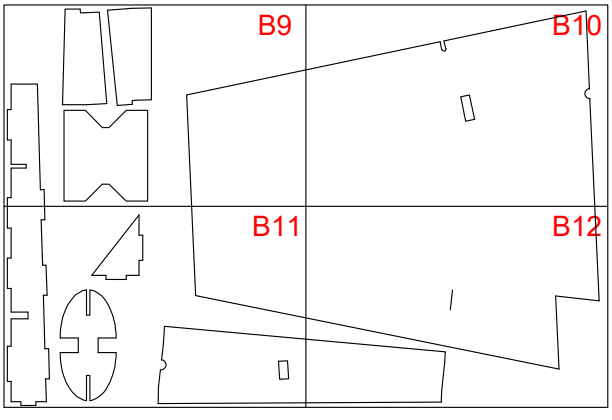
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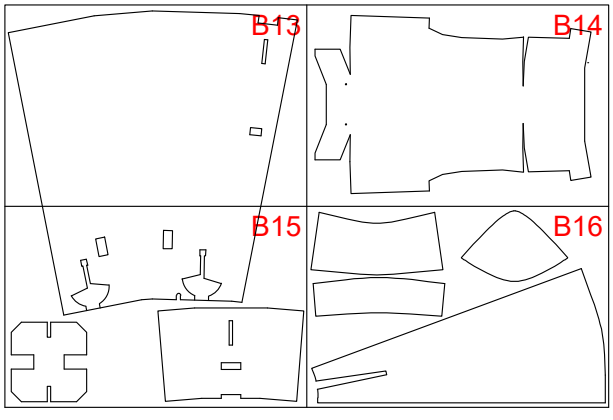
FT Edge: Tile B Key

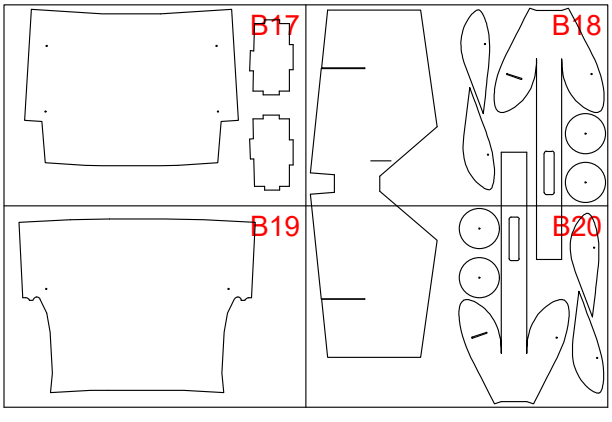








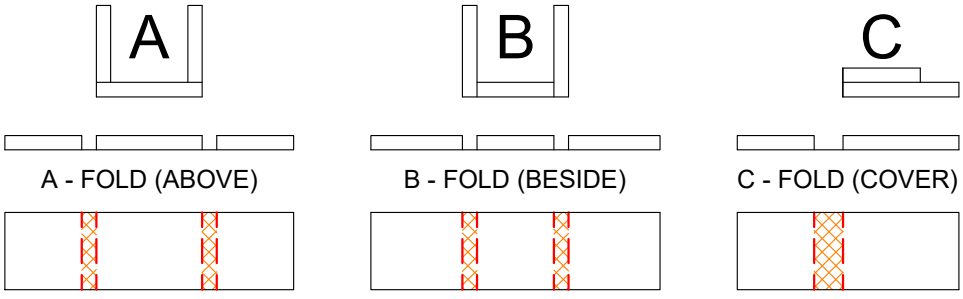




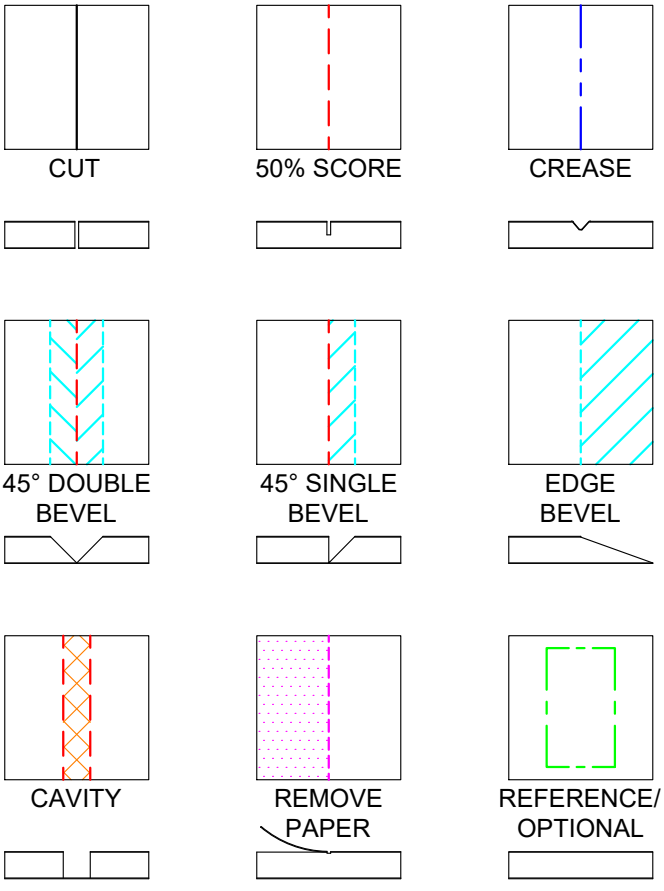
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Drawing Key

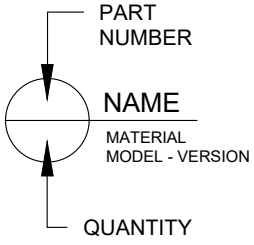
FOLD TYPES

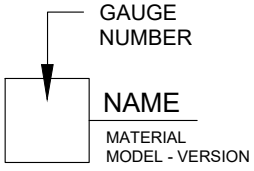


LINE TYPE/COLOR



SYMBOLS







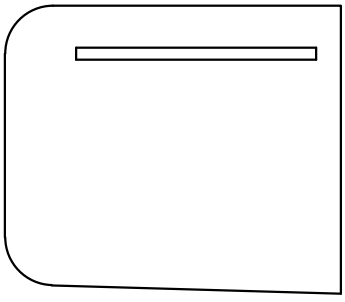
CENTER OF GRAVITY (CG)

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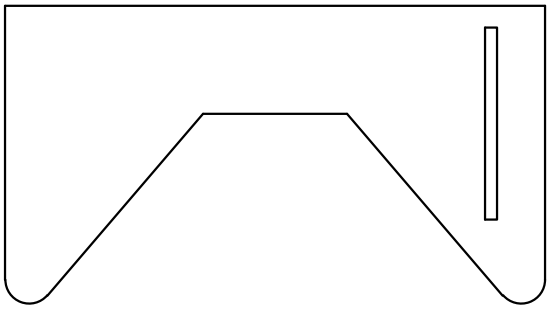
FT Edge: Wood Parts

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

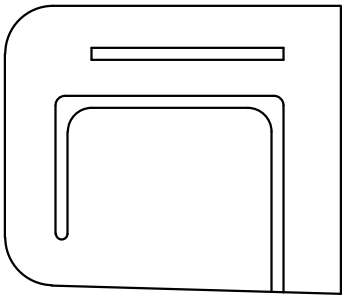
TAIL WHEEL SUPPORT 1



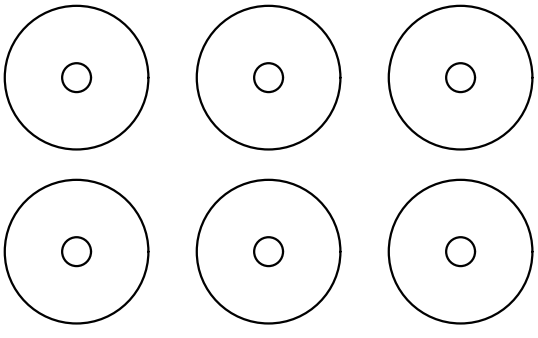
ELEVATOR SUPPORT



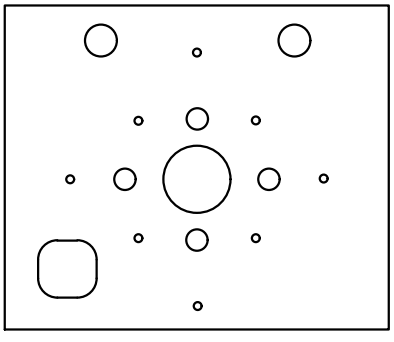
TAIL WHEEL SUPPORT 2



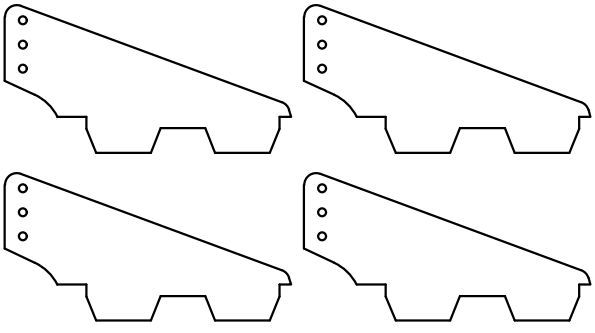
FT REINFORCEMENT DISCS



FT SWAPPABLE FIREWALL



FT CONTROL HORNS



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IN
CM

Template Version 5.0.2

23 / 2 HATCH SIDE DOUBLER
FOAM BOARD
FT EDGE - v.1.0

03 / 1 FUSELAGE FORMER 1
FOAM BOARD
FT EDGE - v.1.0

15 / 1 NOSE FORMER
FOAM BOARD
FT EDGE - v.1.0

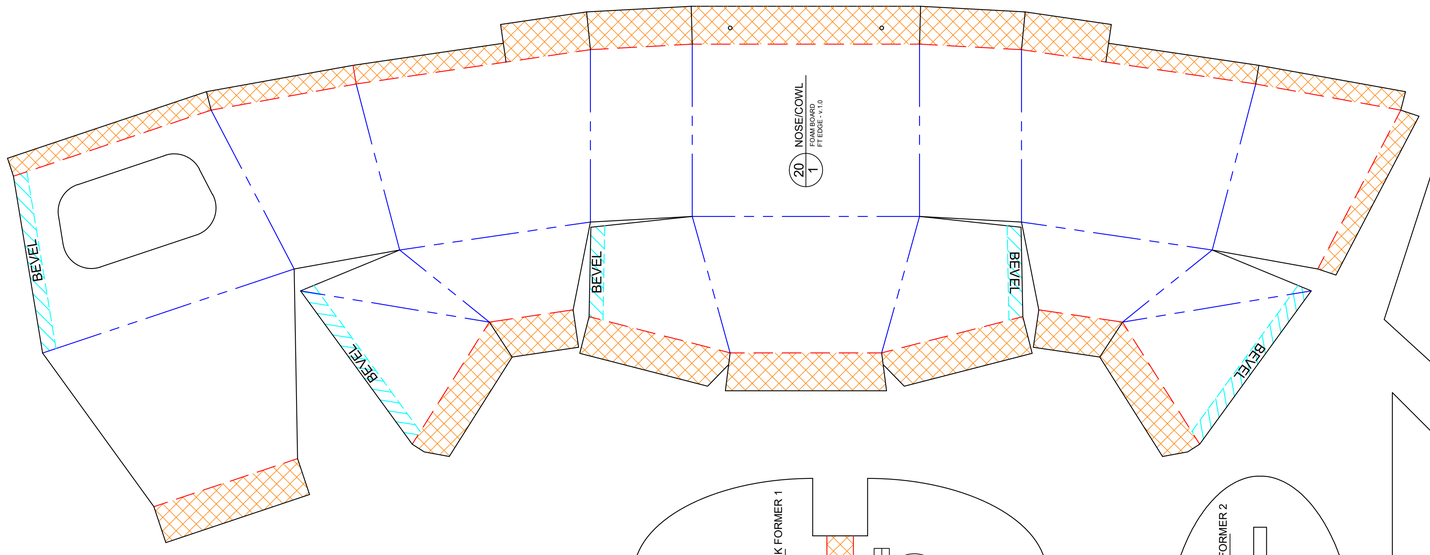
01 / 1 INTERNAL FUSELAGE STRUCTURE
FOAM BOARD
FT EDGE - v.1.0

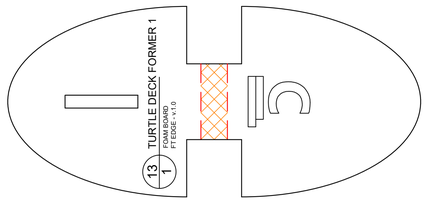
GLUE CRAFT STICK HERE ON OPPOSITE SIDE

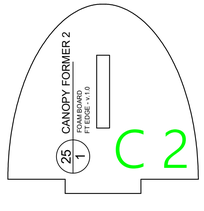
GLUE CRAFT STICK HERE ON OPPOSITE SIDE

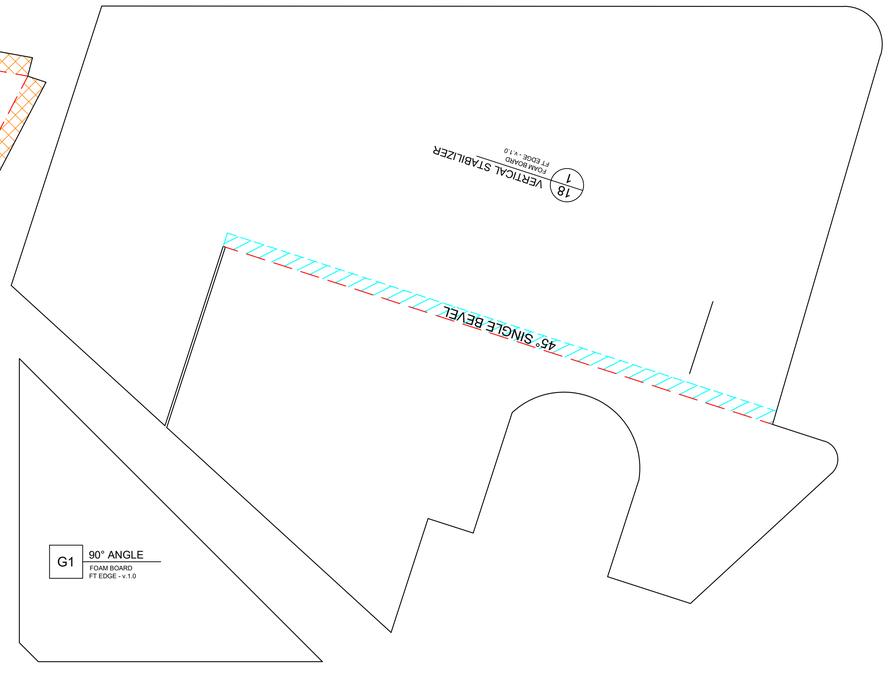
B

1 2 3 4 5









SPONZ

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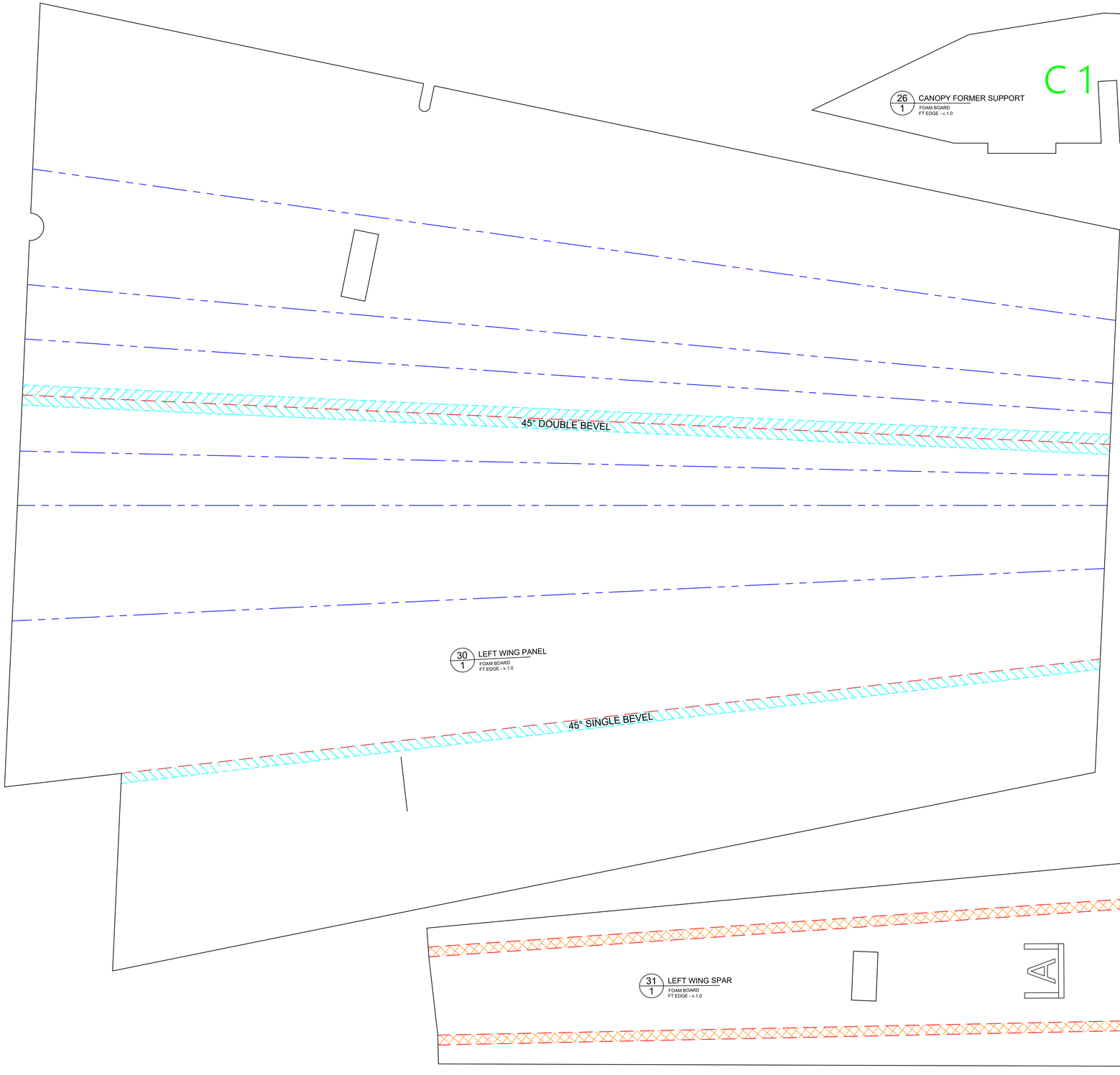
FT Edge

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Drawing By: Dan Sponholz
Version: 1.0
Date: 2018.07.27



IN
CM
SHEET 2 OF 5

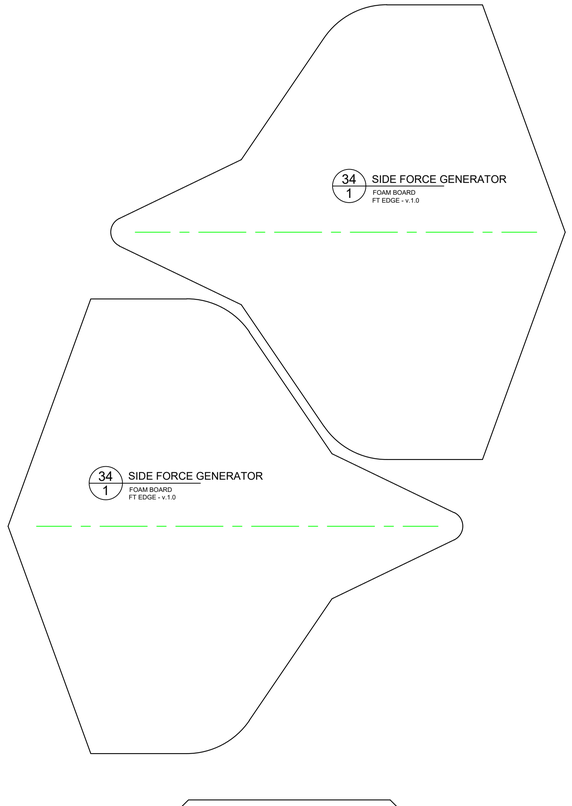
Template Version 5.0.2



30 / 1 LEFT WING PANEL
FOAM BOARD
FT EDGE - v.1.0

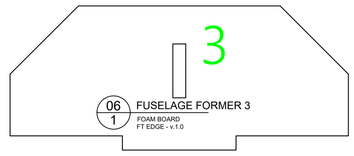
31 / 1 LEFT WING SPAR
FOAM BOARD
FT EDGE - v.1.0

26 / 1 CANOPY FORMER SUPPORT
FOAM BOARD
FT EDGE - v.1.0

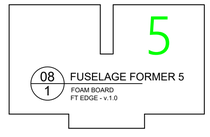


34 / 1 SIDE FORCE GENERATOR
FOAM BOARD
FT EDGE - v.1.0

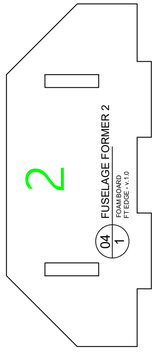
34 / 1 SIDE FORCE GENERATOR
FOAM BOARD
FT EDGE - v.1.0



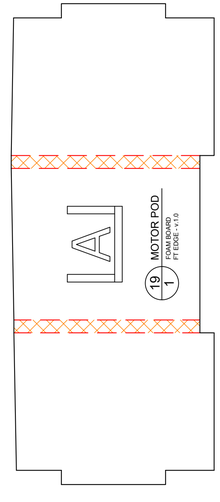
06 / 1 FUSELAGE FORMER 3
FOAM BOARD
FT EDGE - v.1.0



08 / 1 FUSELAGE FORMER 5
FOAM BOARD
FT EDGE - v.1.0



04 / 1 FUSELAGE FORMER 2
FOAM BOARD
FT EDGE - v.1.0



19 / 1 MOTOR POD
FOAM BOARD
FT EDGE - v.1.0

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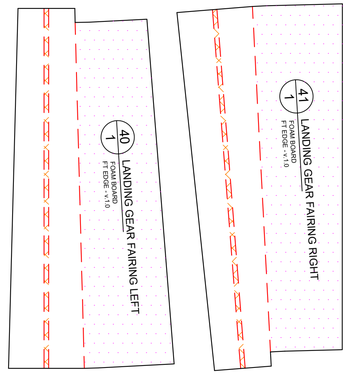
FT Edge

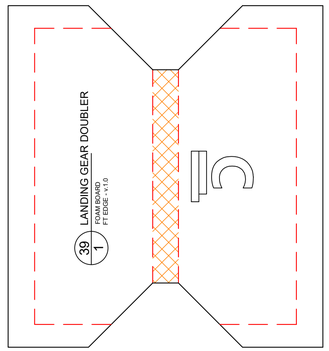
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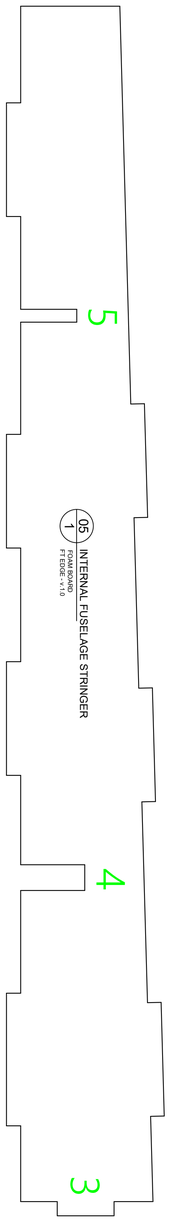


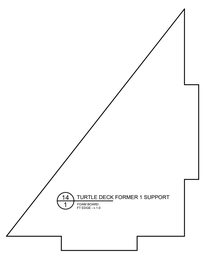
IN
CM
SHEET 3 OF 5

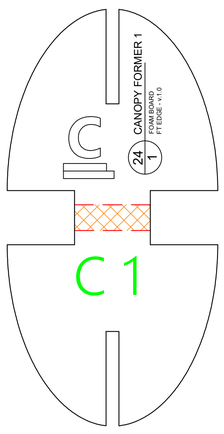
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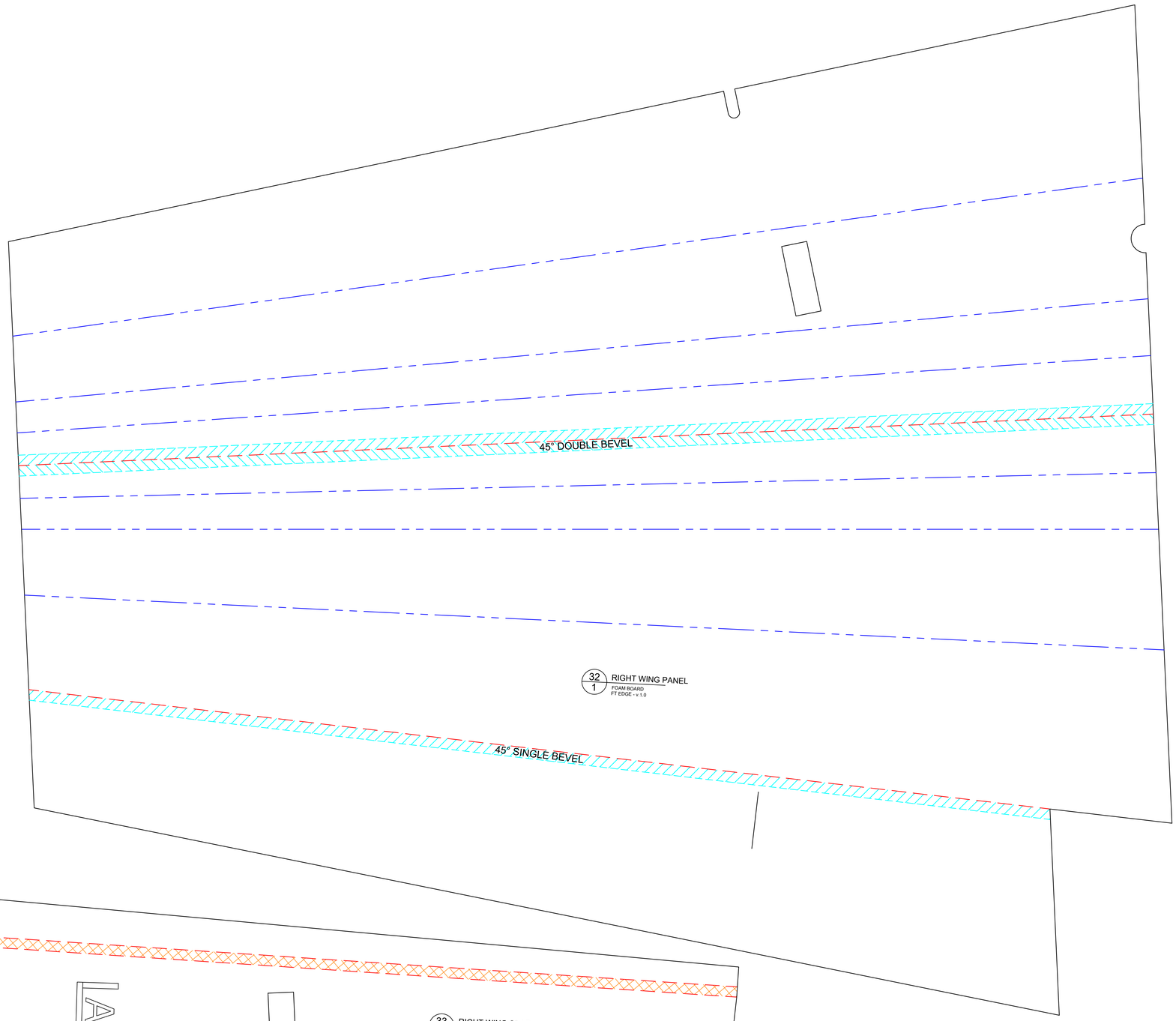












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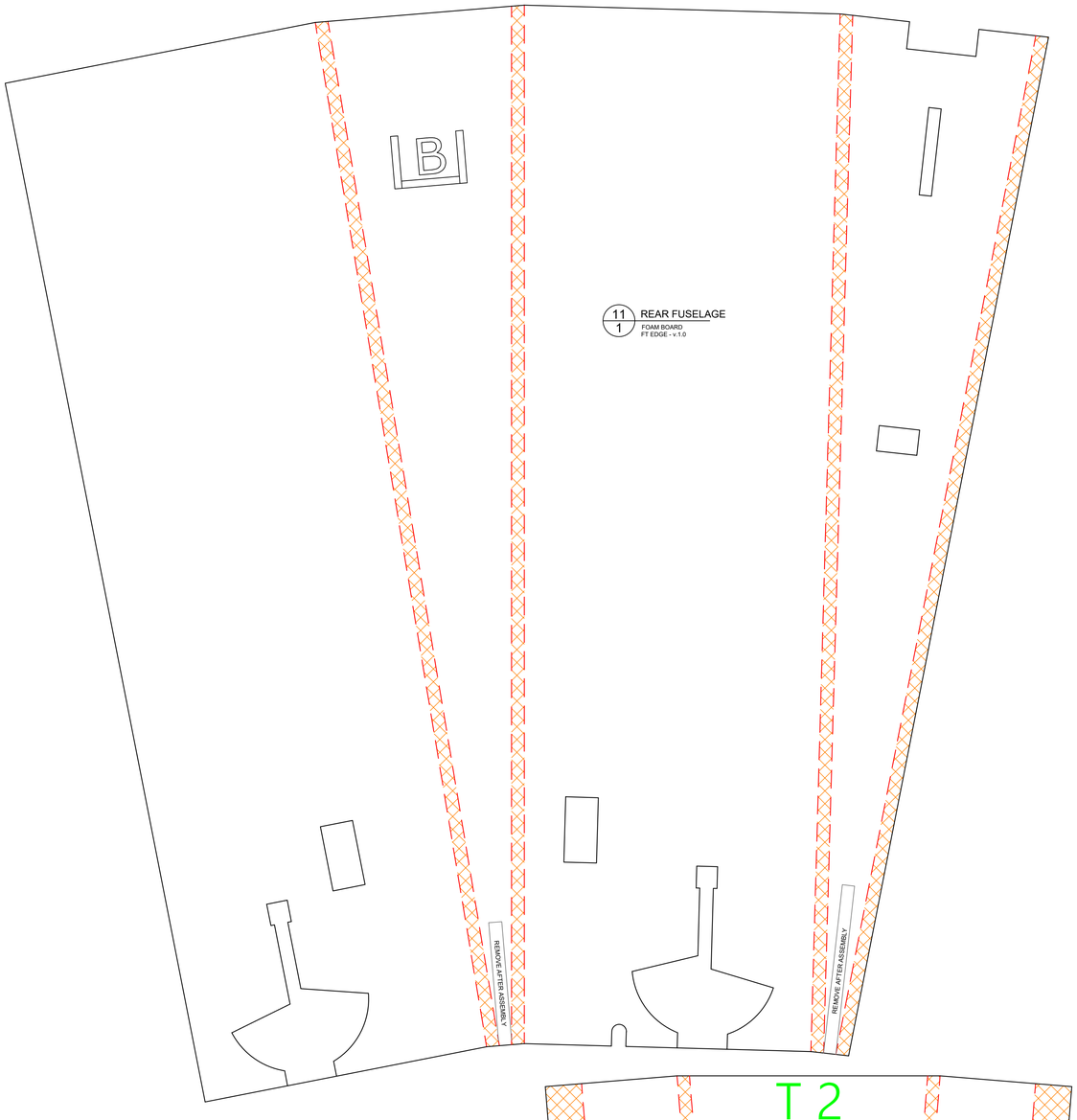
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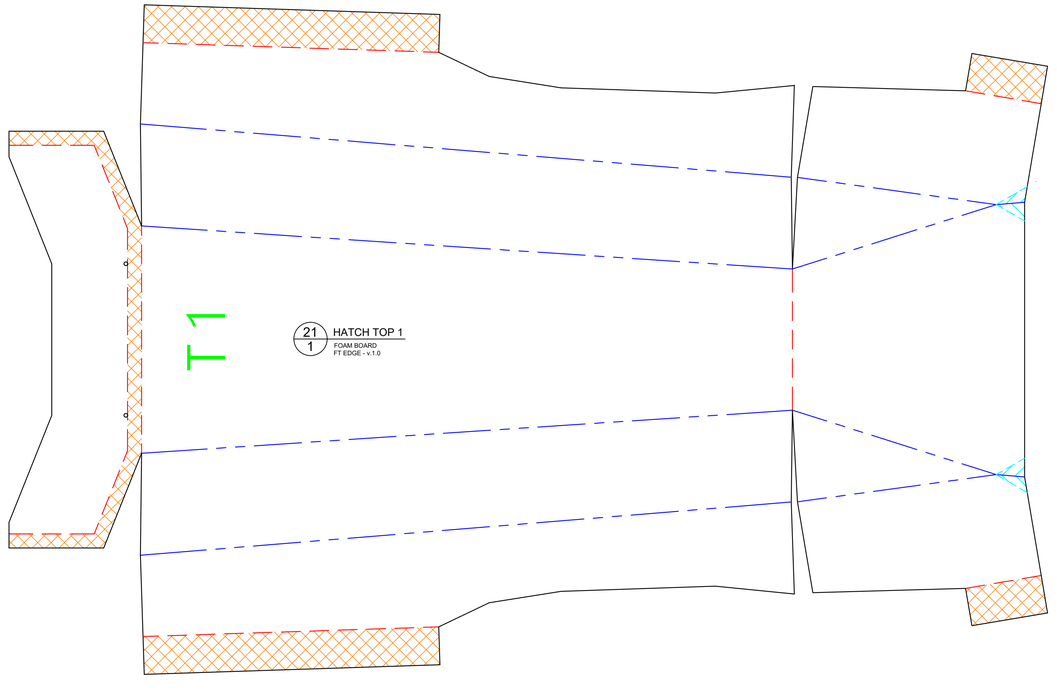


IN
CM

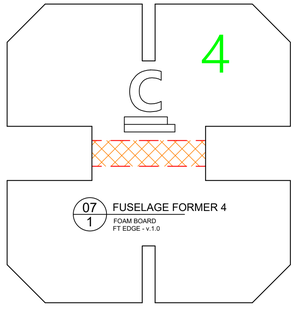
Template Version 5.0.2



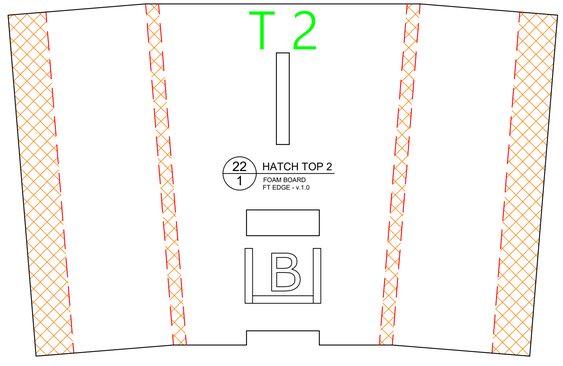
11 / 1 REAR FUSELAGE
FOAM BOARD
FT EDGE - v.1.0



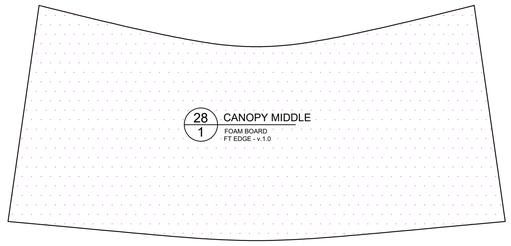
21 / 1 HATCH TOP 1
FOAM BOARD
FT EDGE - v.1.0



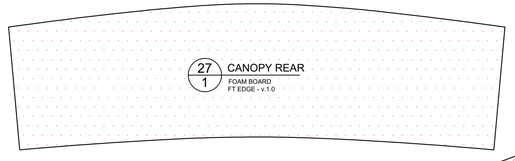
07 / 1 FUSELAGE FORMER 4
FOAM BOARD
FT EDGE - v.1.0



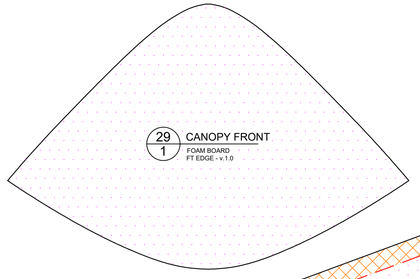
22 / 1 HATCH TOP 2
FOAM BOARD
FT EDGE - v.1.0



28 / 1 CANOPY MIDDLE
FOAM BOARD
FT EDGE - v.1.0



27 / 1 CANOPY REAR
FOAM BOARD
FT EDGE - v.1.0



29 / 1 CANOPY FRONT
FOAM BOARD
FT EDGE - v.1.0

16 / 1 TURTLE DECK
FOAM BOARD
FT EDGE - v.1.0

SPONZ

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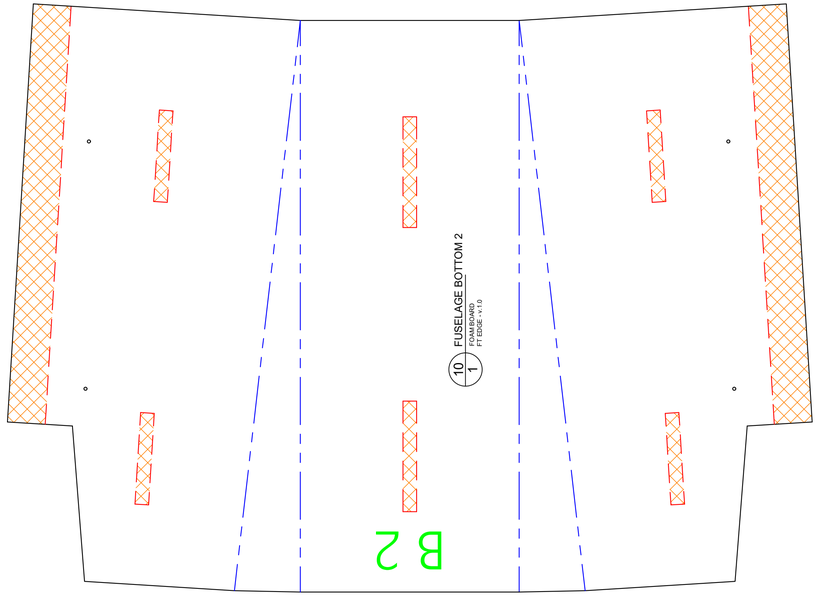
FT Edge

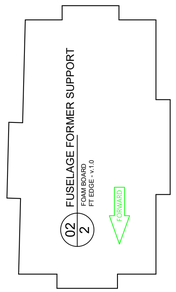
Designed By: Andres Lu
Drawing By: Dan Sponholz
Version: 1.0
Date: 2018.07.27

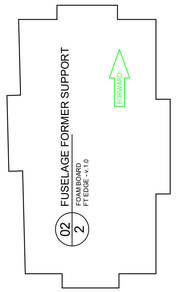


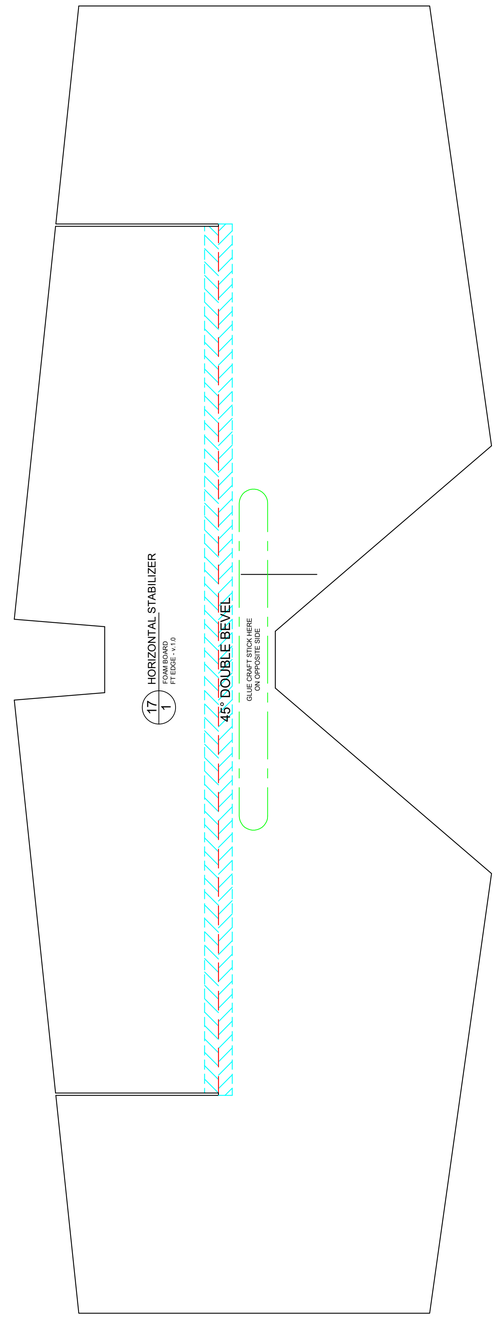
IN
CM
SHEET 5 OF 5

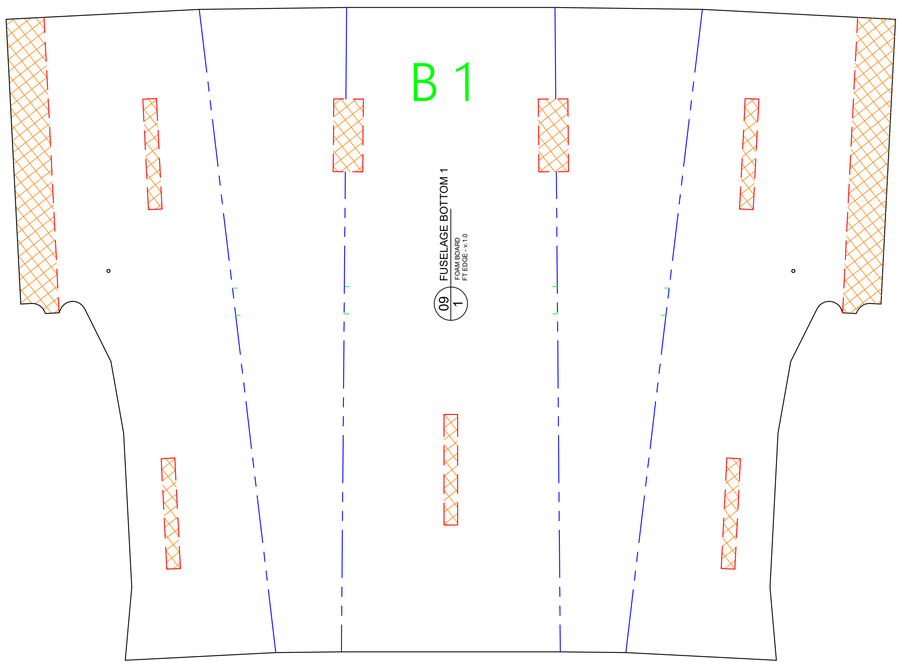
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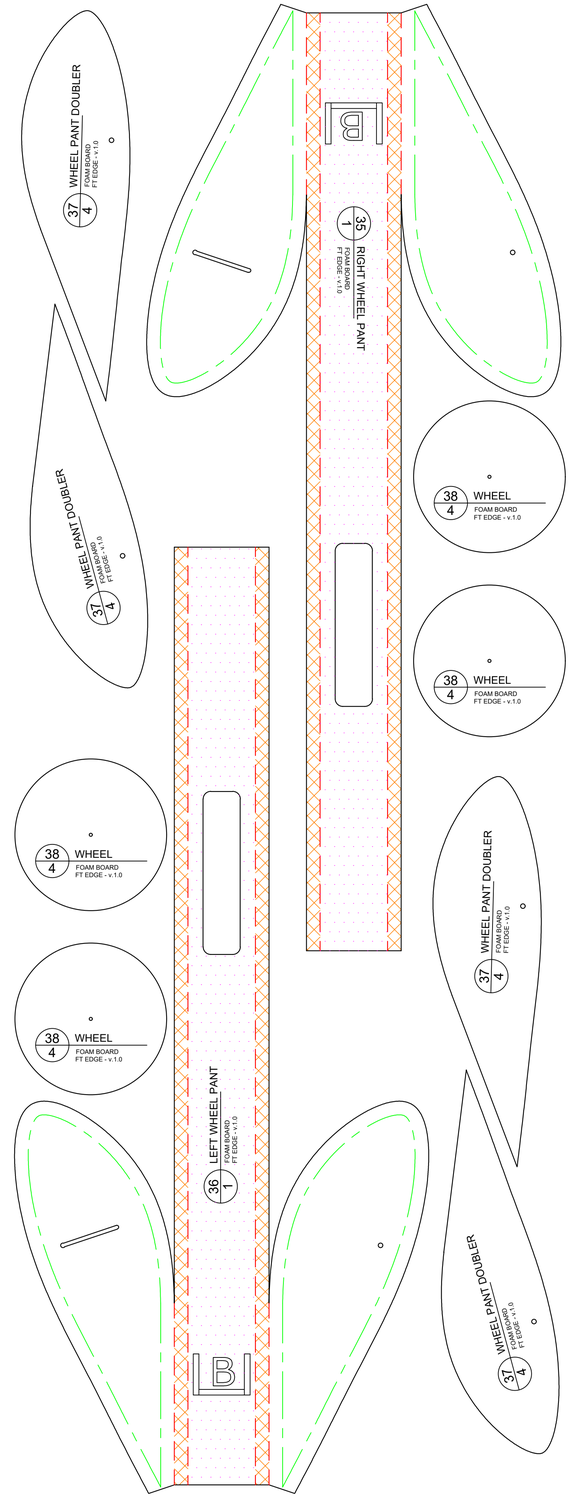












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IN
CM

23
2
HATCH SIDE DOUBLER
FOAM BOARD
FT EDGE - v.1.0

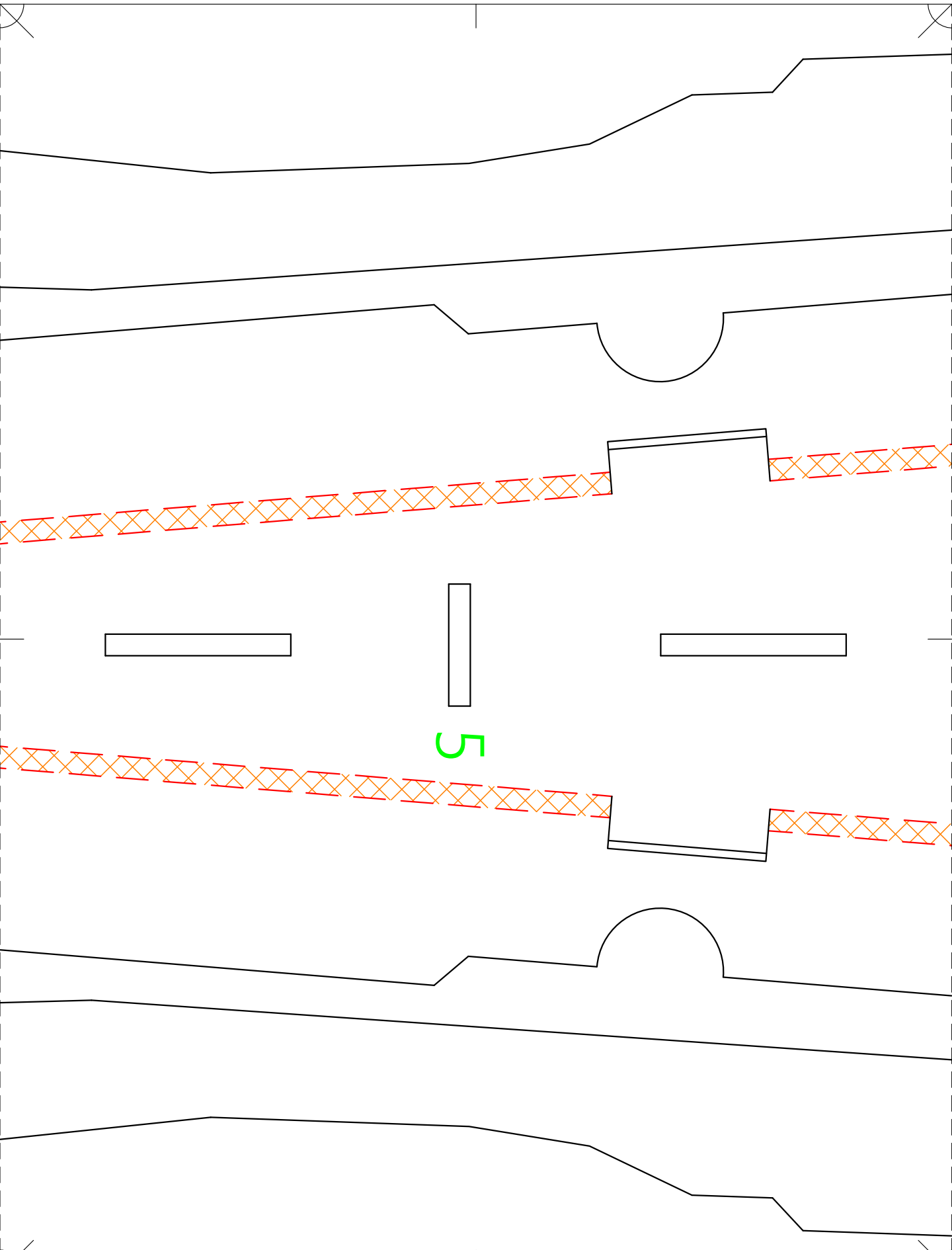
03
1
FUSELAGE FORMER 1
FOAM BOARD
FT EDGE - v.1.0

15
1
NOSE FORMER
FOAM BOARD
FT EDGE - v.1.0

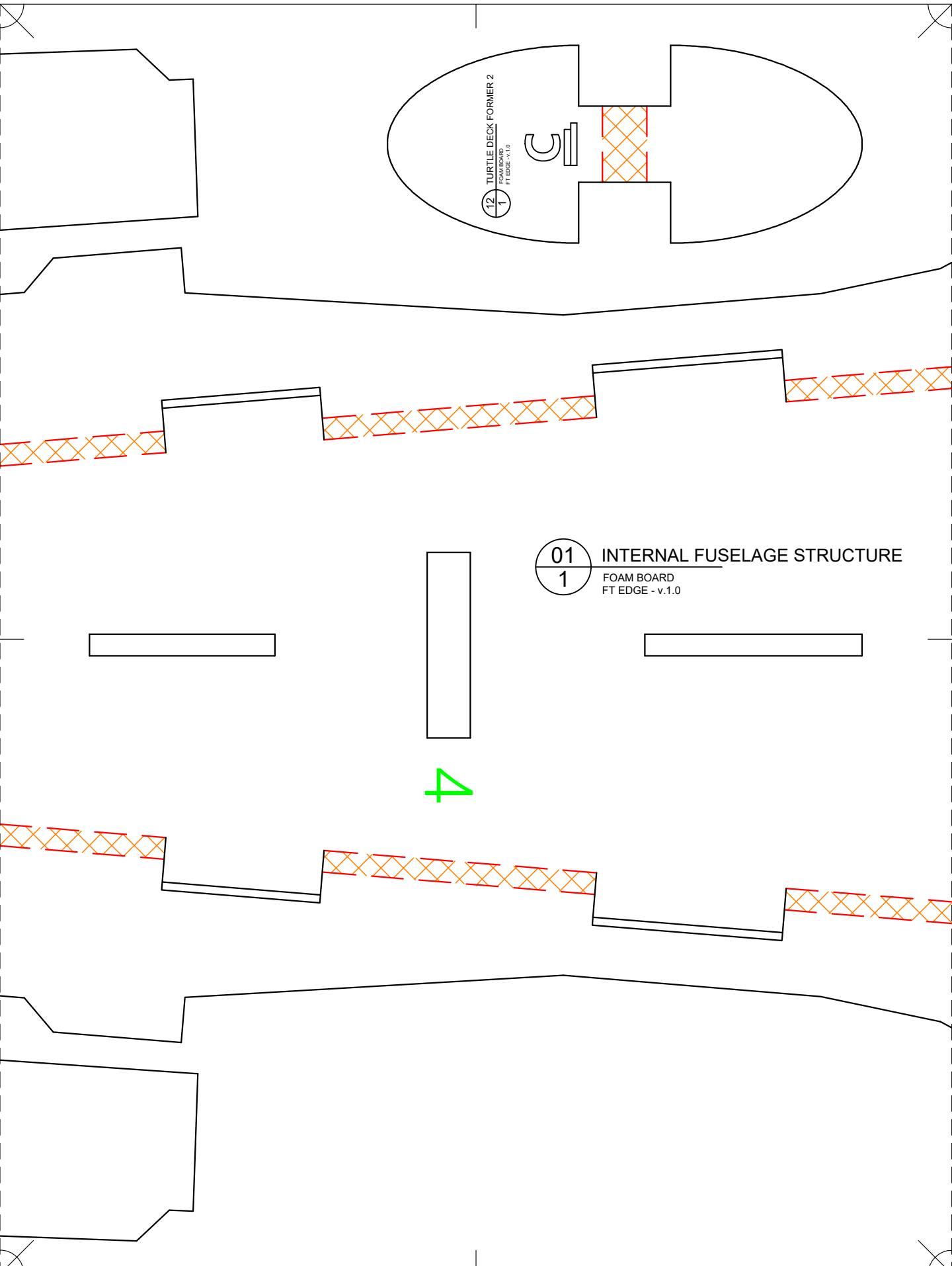
23
2
HATCH SIDE DOUBLER
FOAM BOARD
FT EDGE - v.1.0

FT EDGE v.1.0
TILE-A2

IN
CM

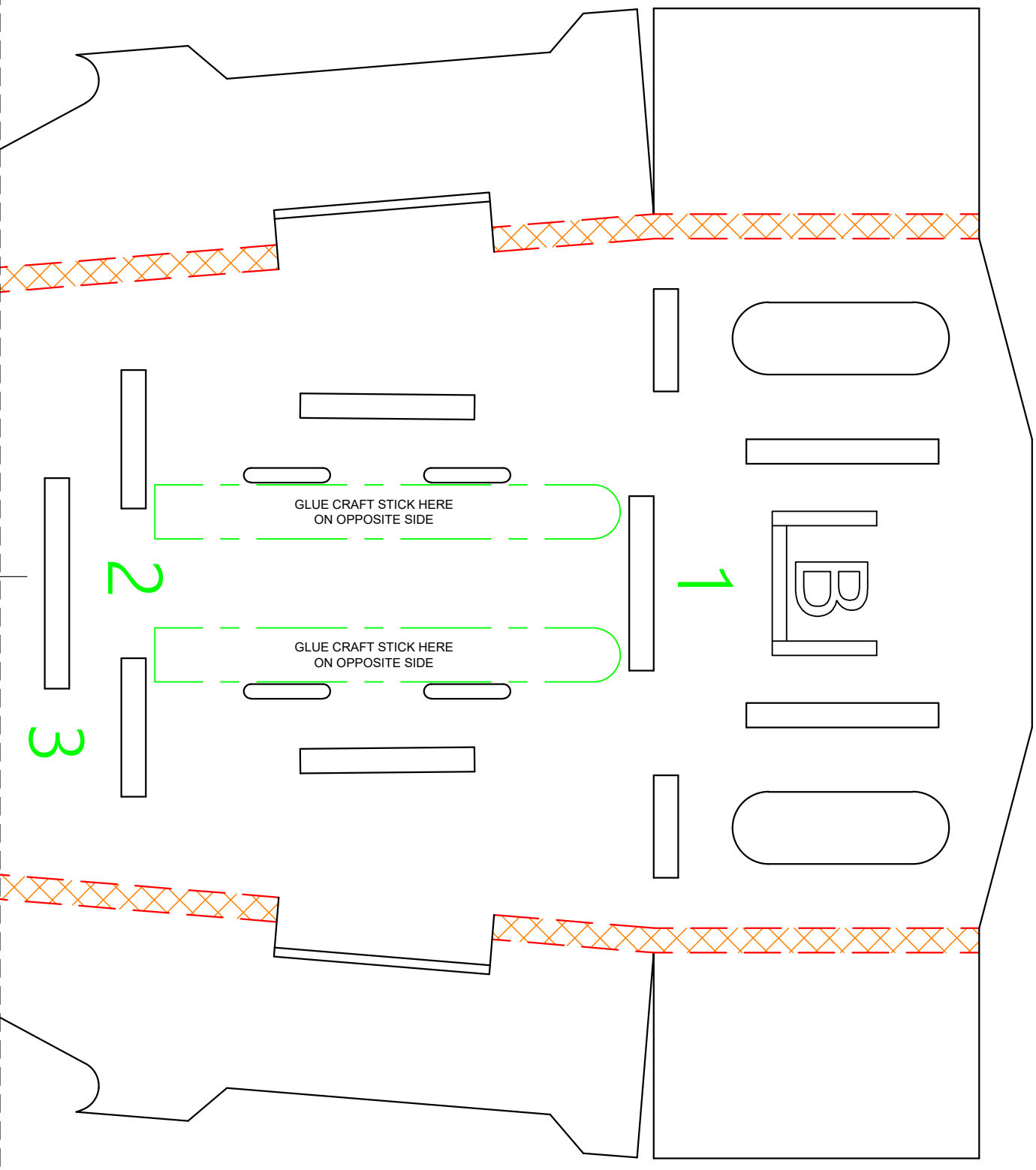


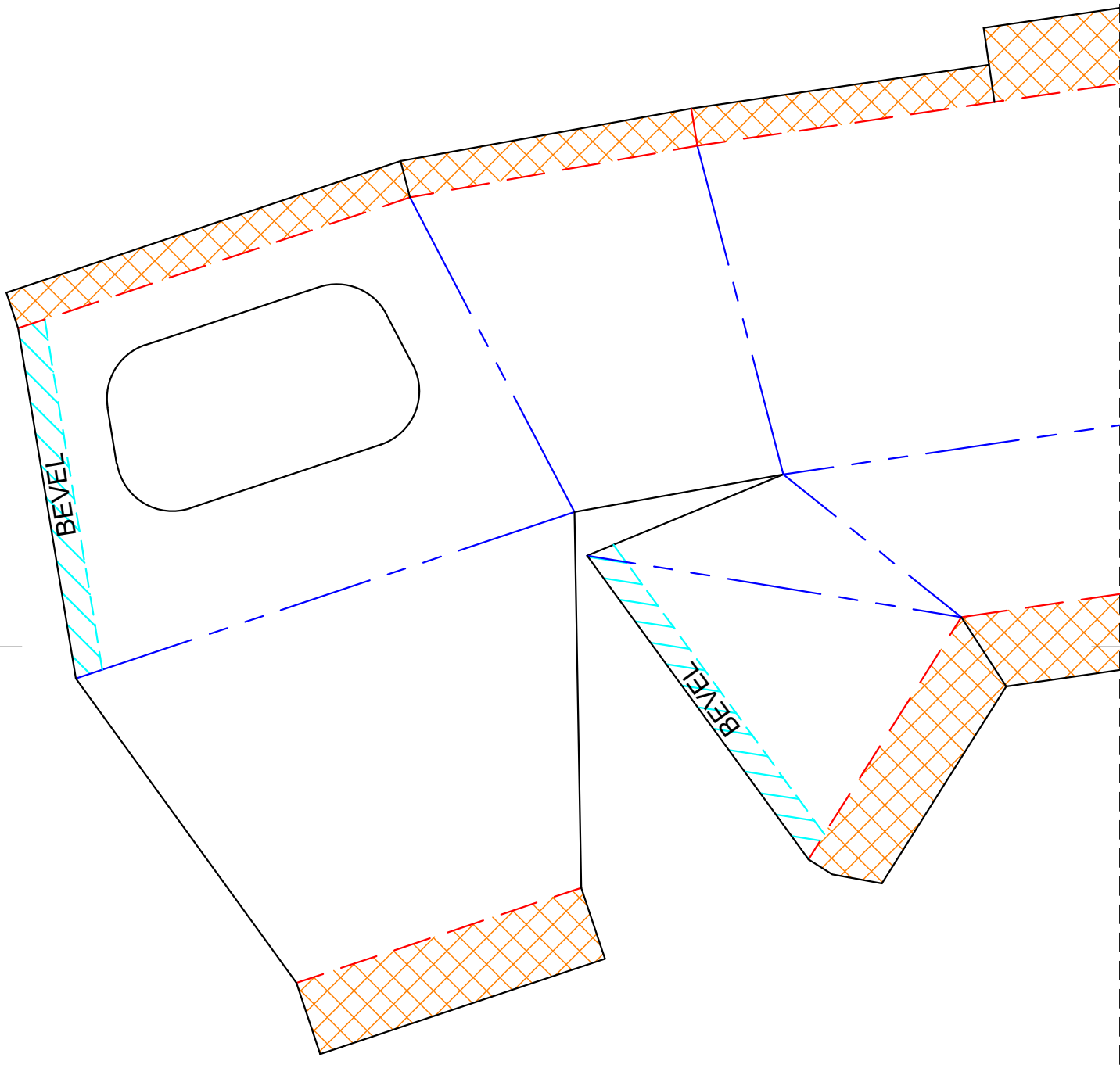
IN
CM


12
1
TURTLE DECK FORMER 2
FOAM BOARD
FT EDGE - v.1.0
01
1
INTERNAL FUSELAGE STRUCTURE
FOAM BOARD
FT EDGE - v.1.0

FT EDGE v.1.0
TILE-A4

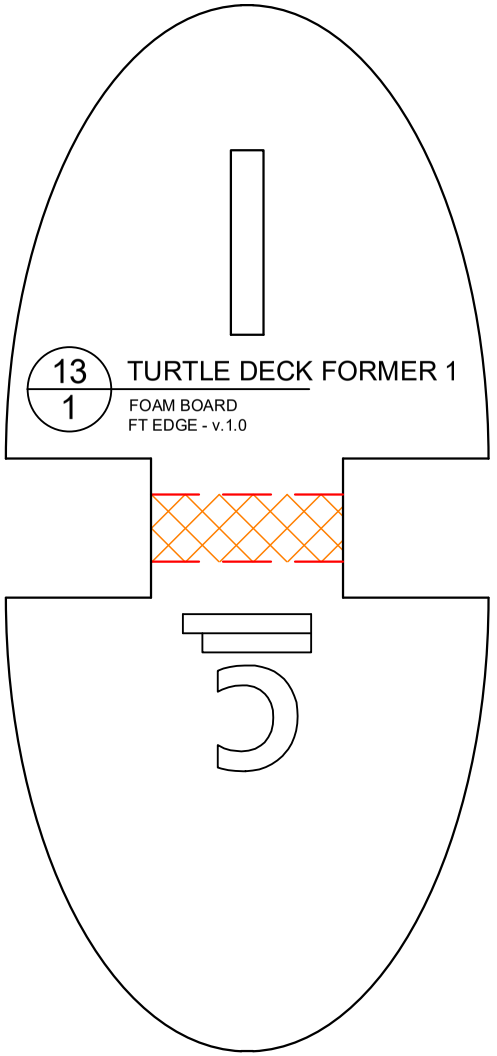
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CM



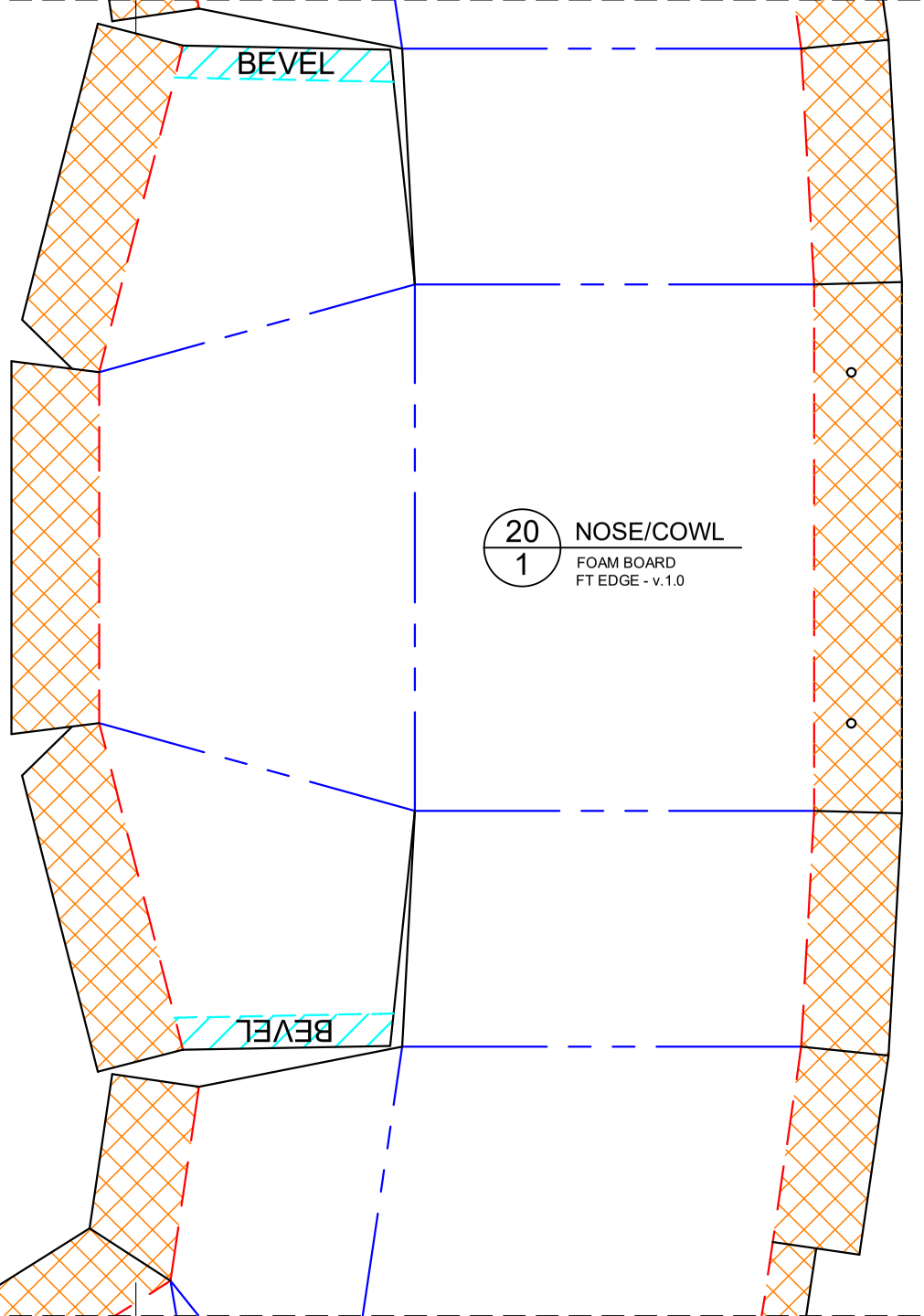

BEVEL
BEVEL

FT EDGE v.1.0
TILE-A6

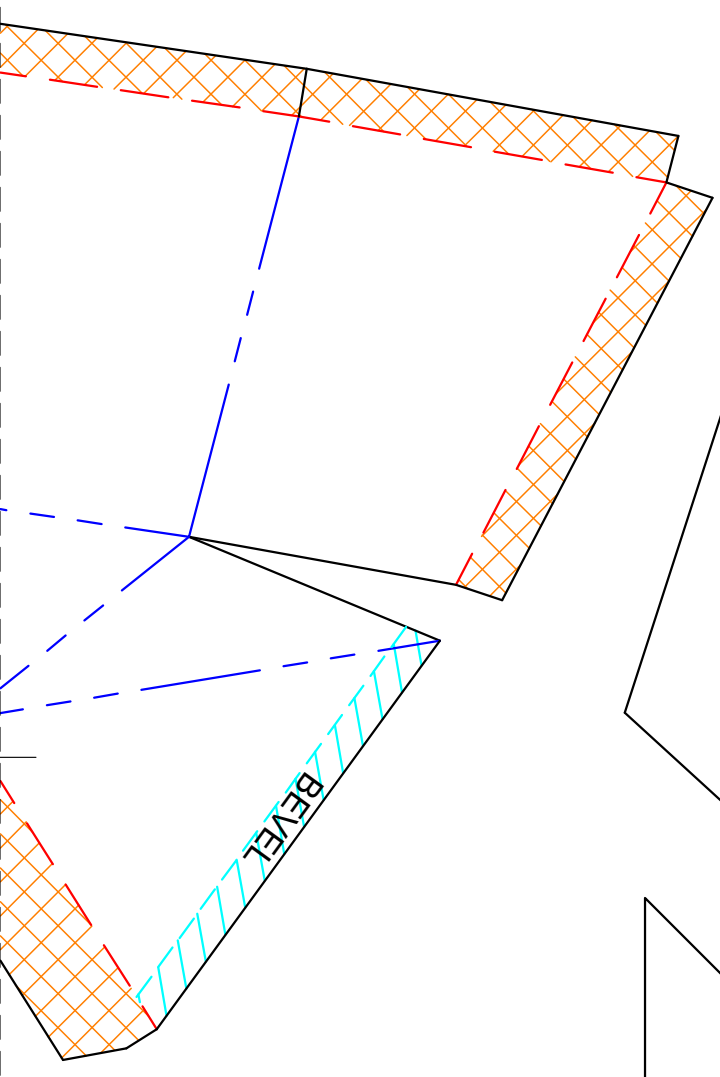
CM IN

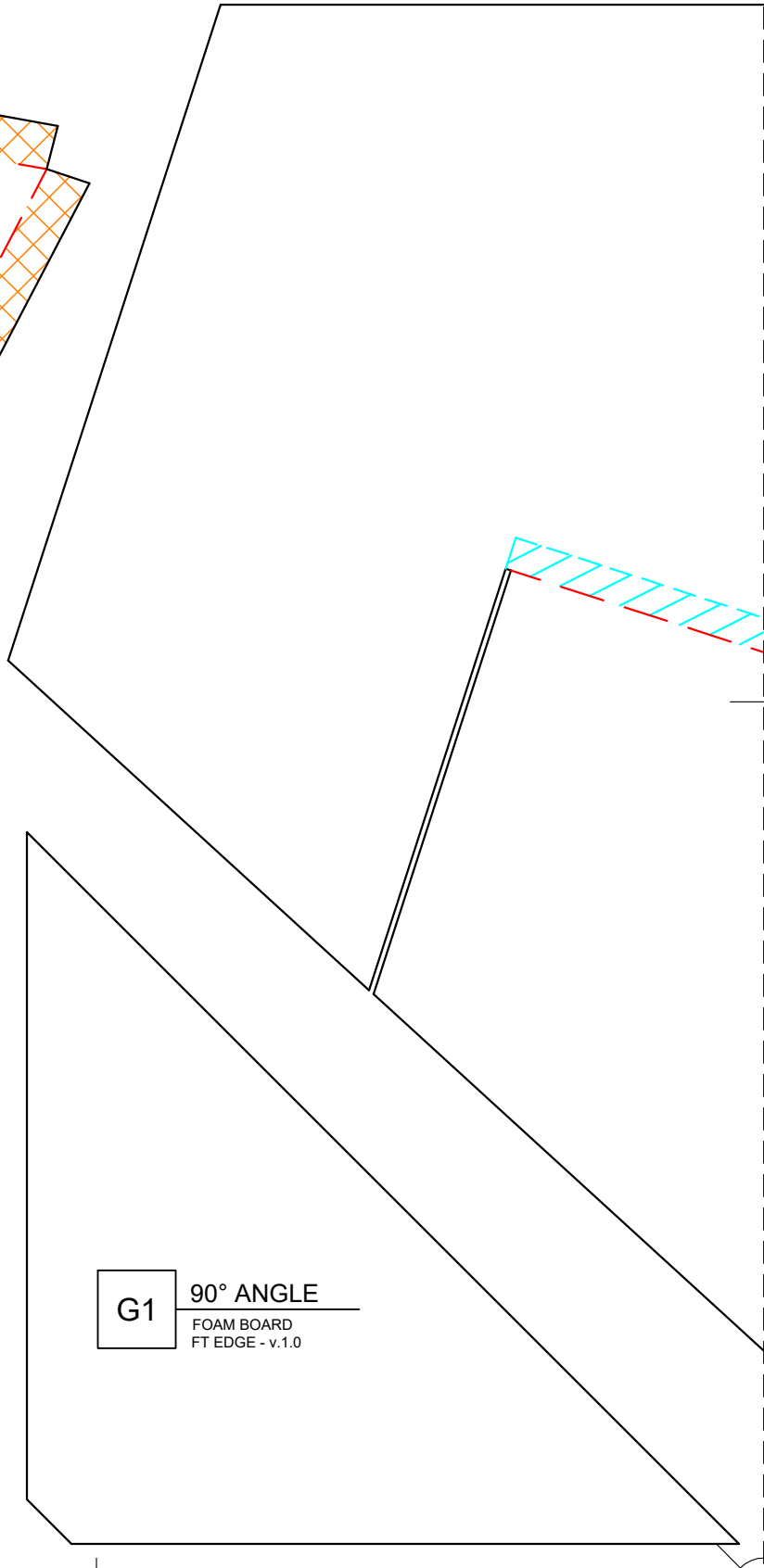


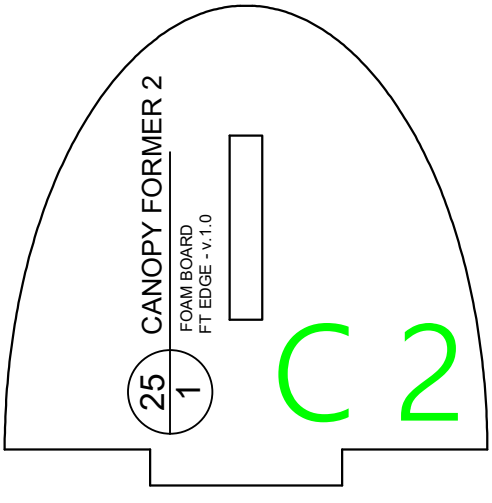
13
1
TURTLE DECK FORMER 1
FOAM BOARD
FT EDGE - v.1.0



20
1
NOSE/COWL
FOAM BOARD
FT EDGE - v.1.0


BEVEL

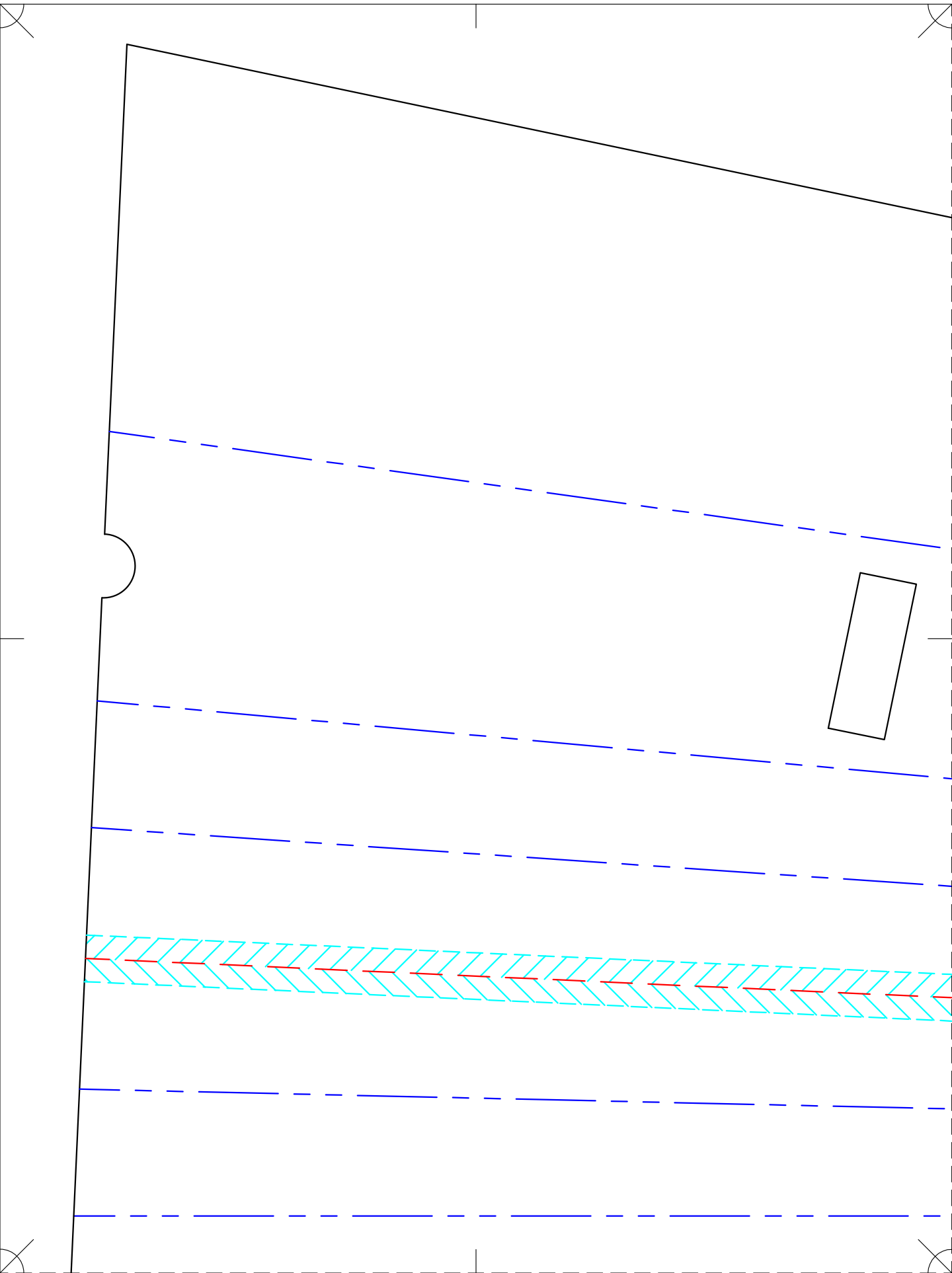

G1
90° ANGLE
FOAM BOARD
FT EDGE - v.1.0


CANOPY FORMER 2
FOAM BOARD
FT EDGE - v.1.0
25
1
C 2

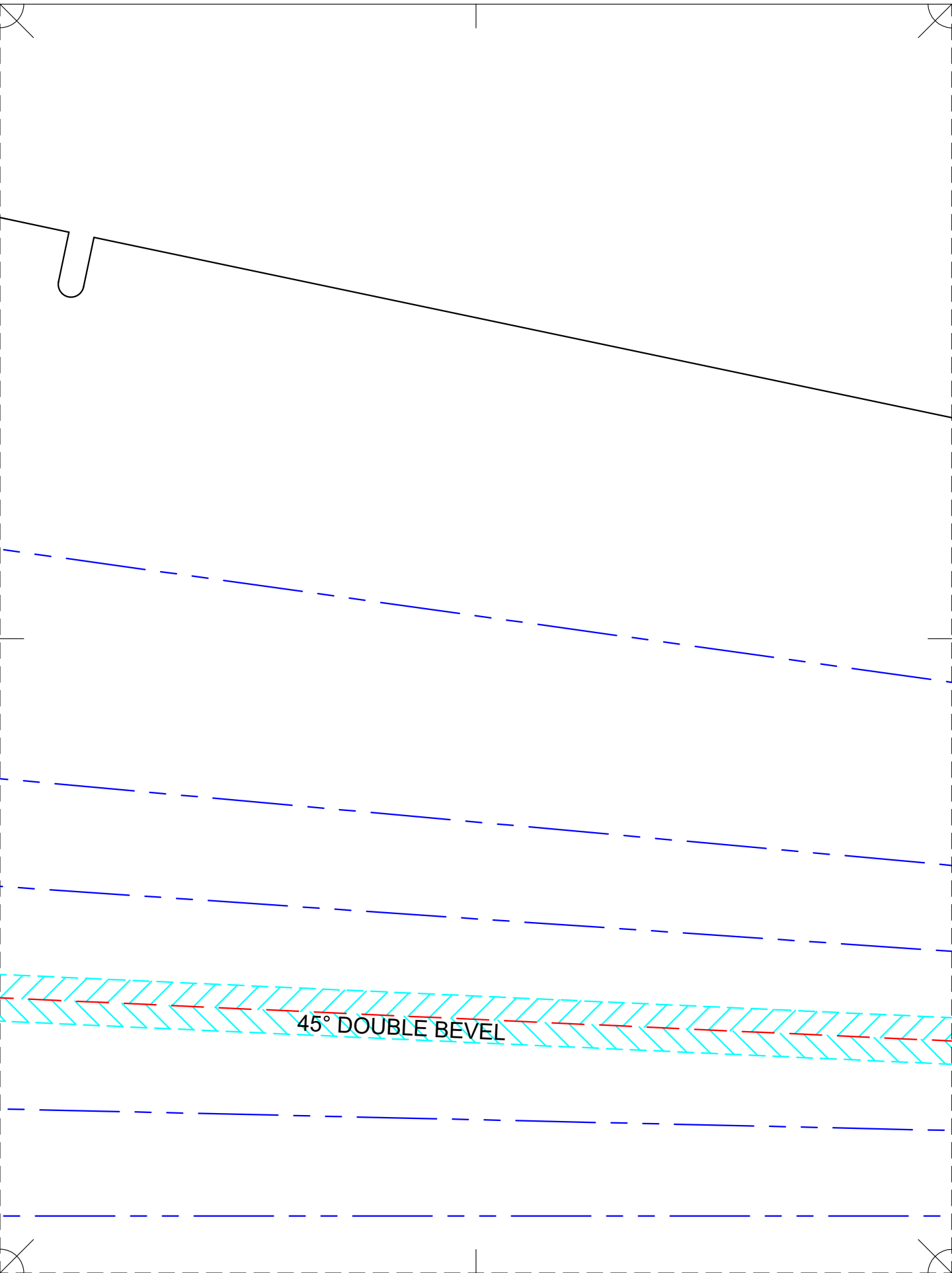
18
1
VERTICAL STABILIZER
FOAM BOARD
FT EDGE - V.1.0
45° SINGLE BEVEL

FT EDGE v.1.0
TILE-A9

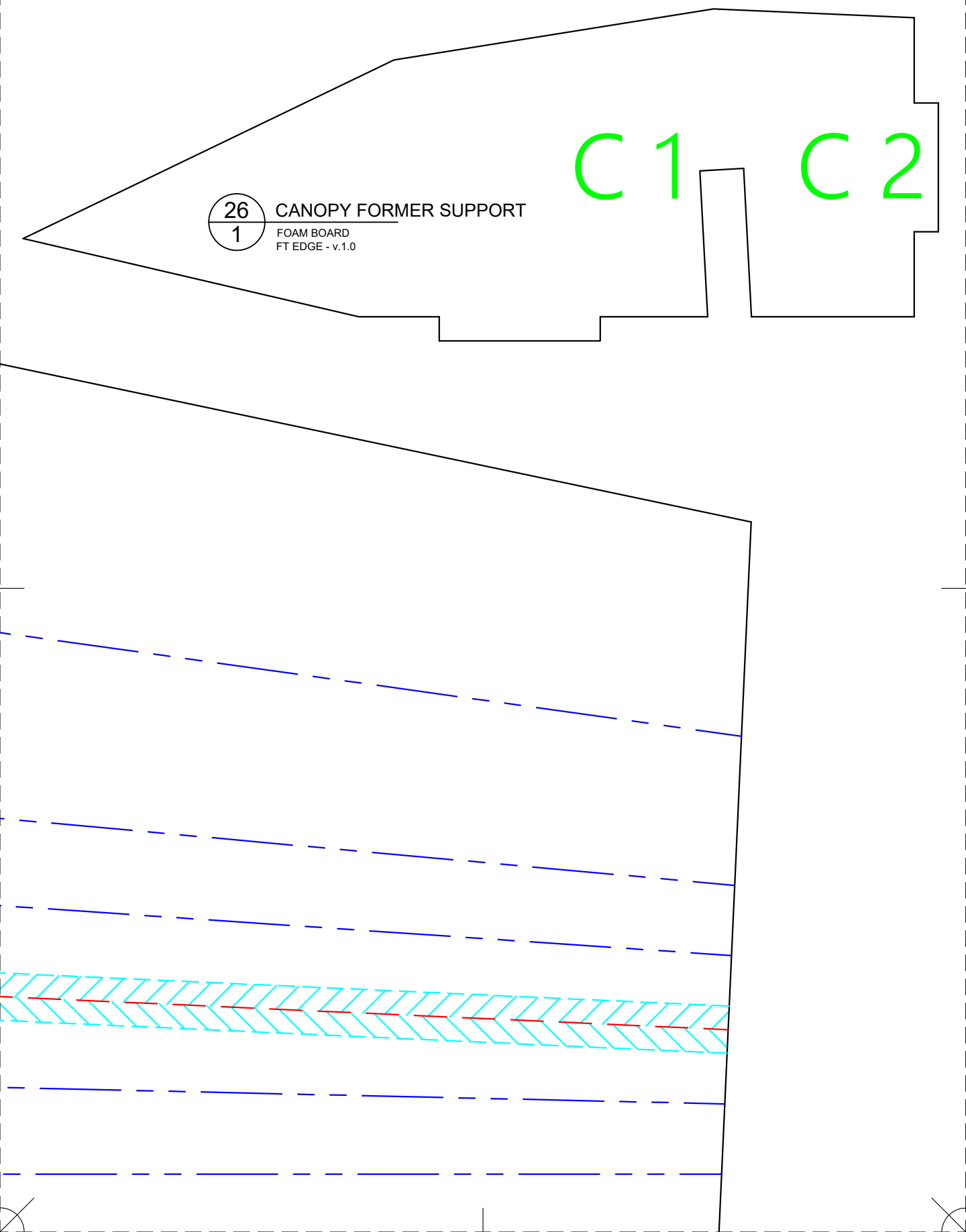
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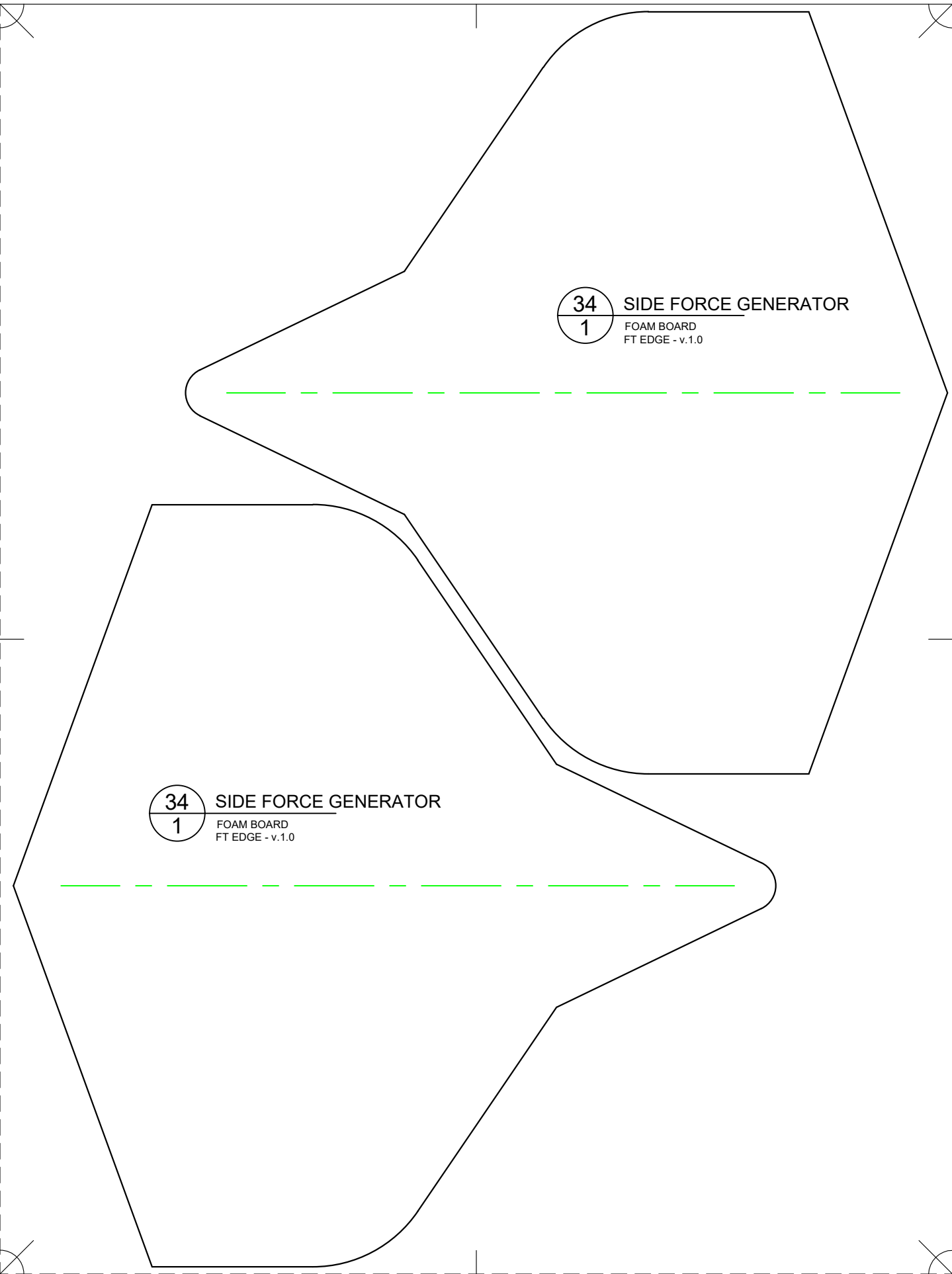
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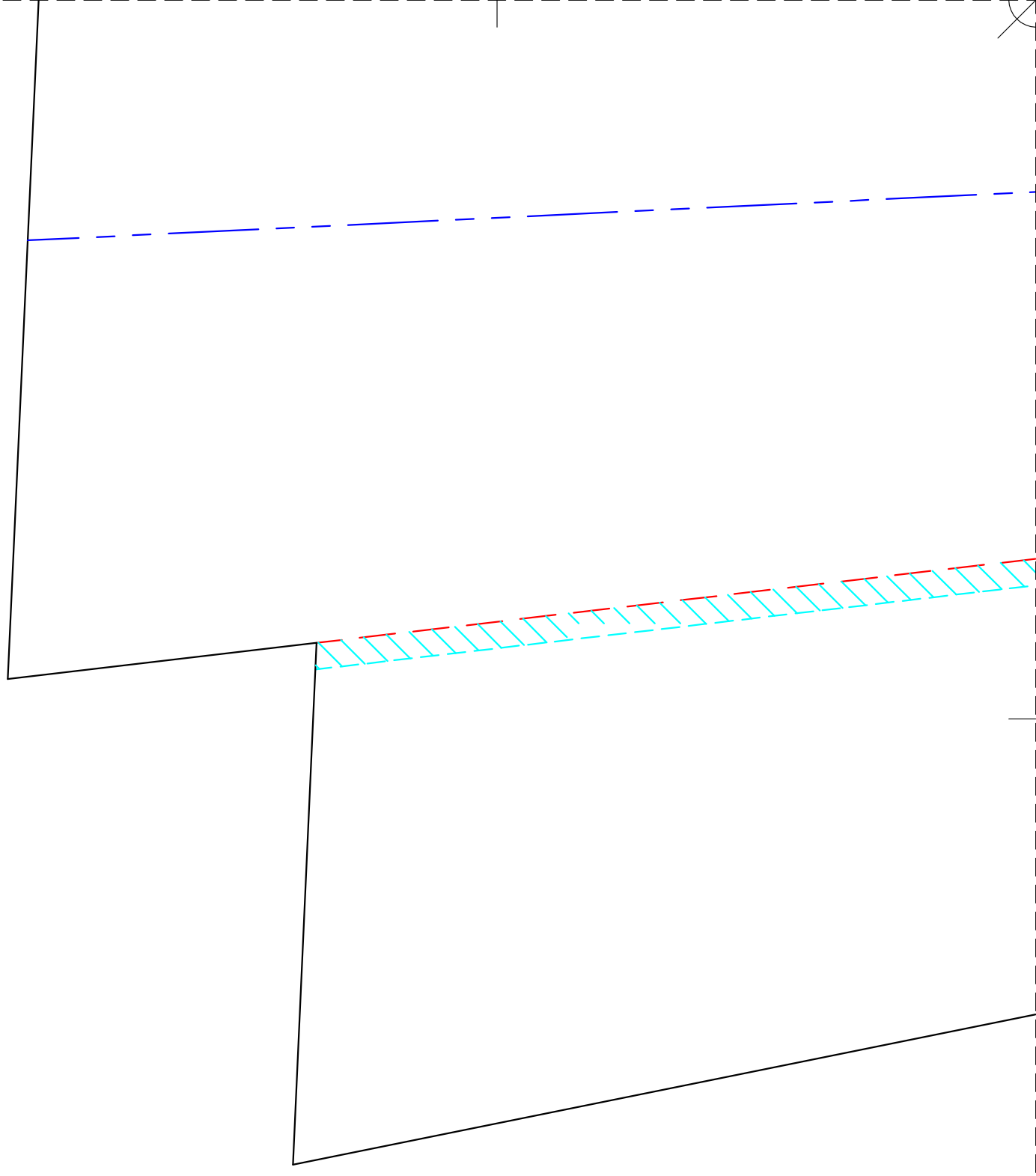


IN
CM



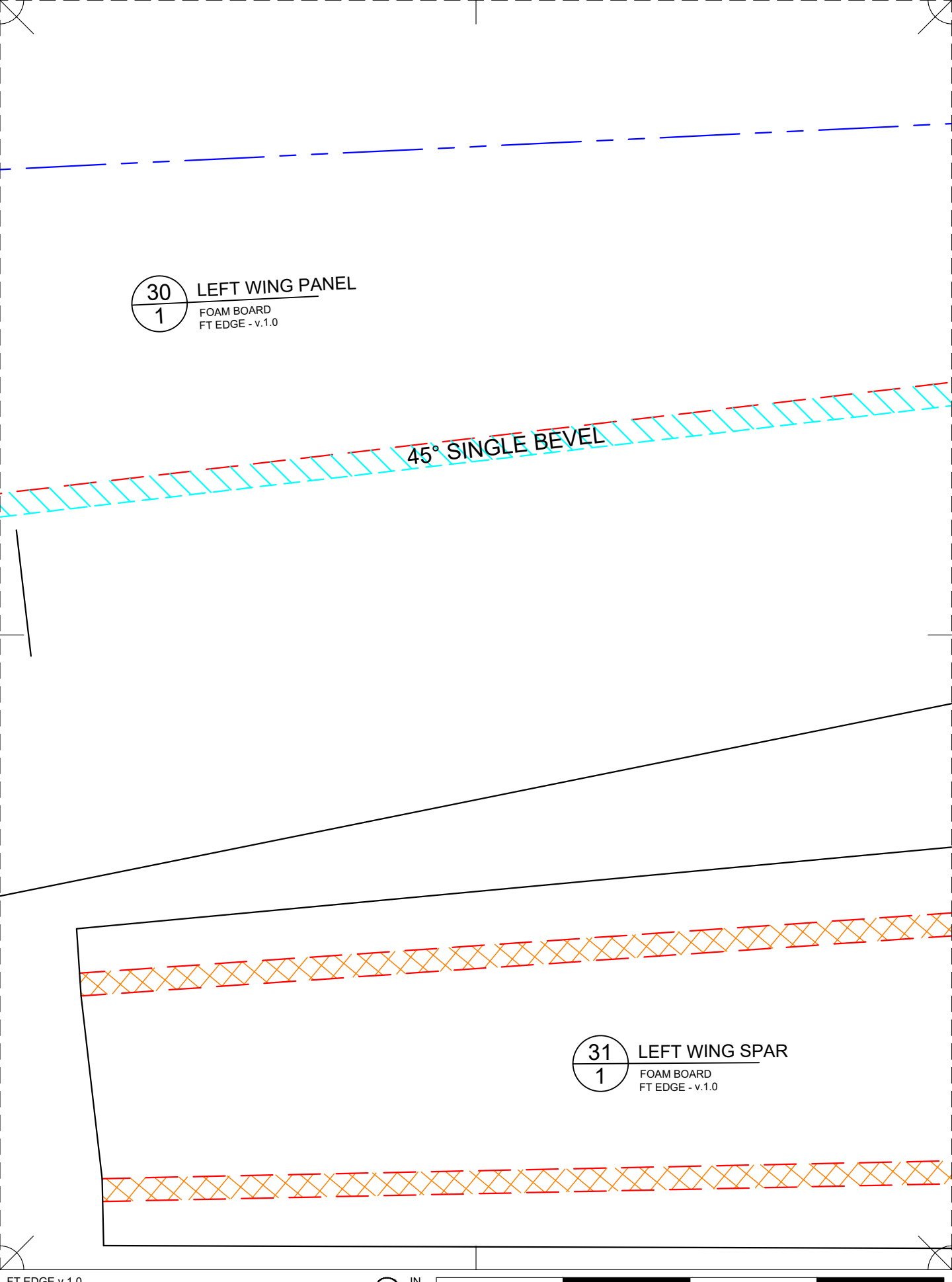
IN
CM


34
1
SIDE FORCE GENERATOR
FOAM BOARD
FT EDGE - v.1.0
34
1
SIDE FORCE GENERATOR
FOAM BOARD
FT EDGE - v.1.0



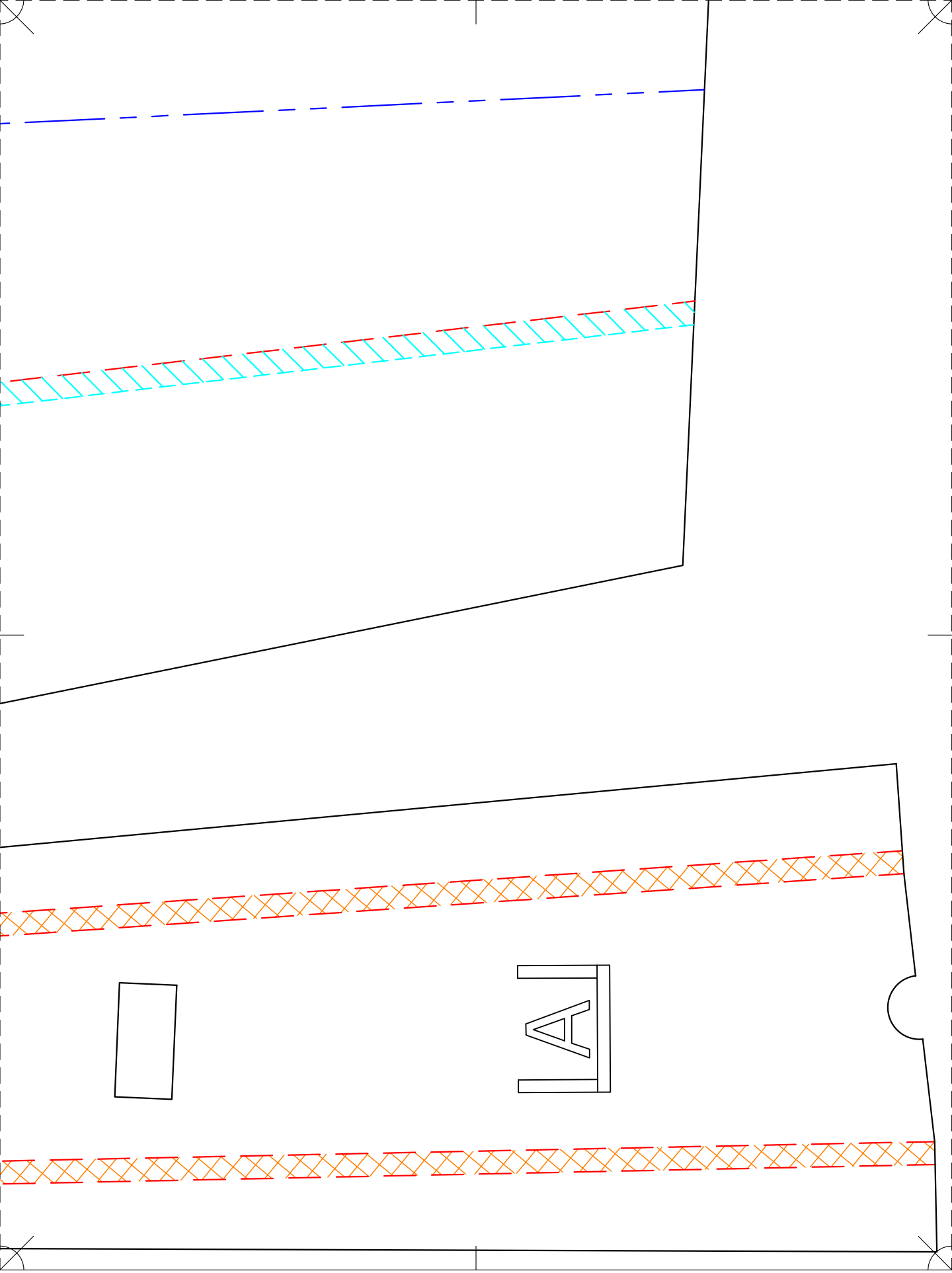
FT EDGE v.1.0
TILE-A13

IN
CM



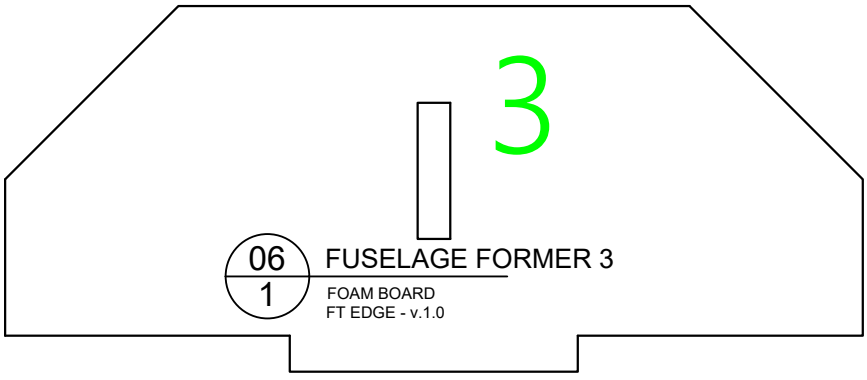
FT EDGE v.1.0
TILE-A14

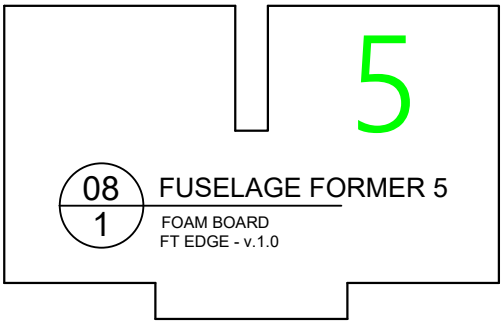
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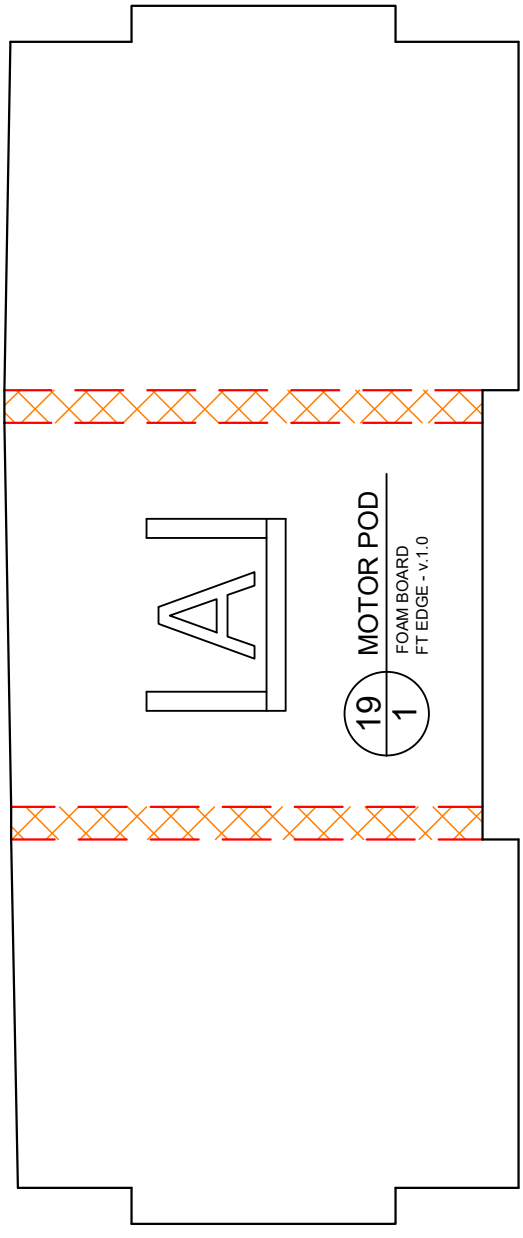


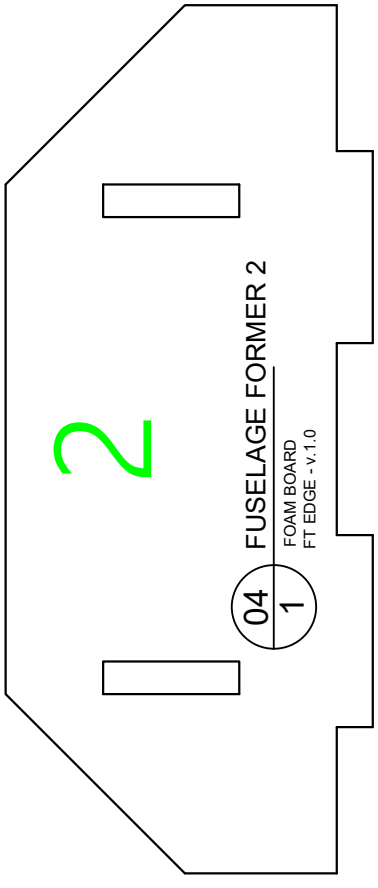
FT EDGE v.1.0
TILE-A15

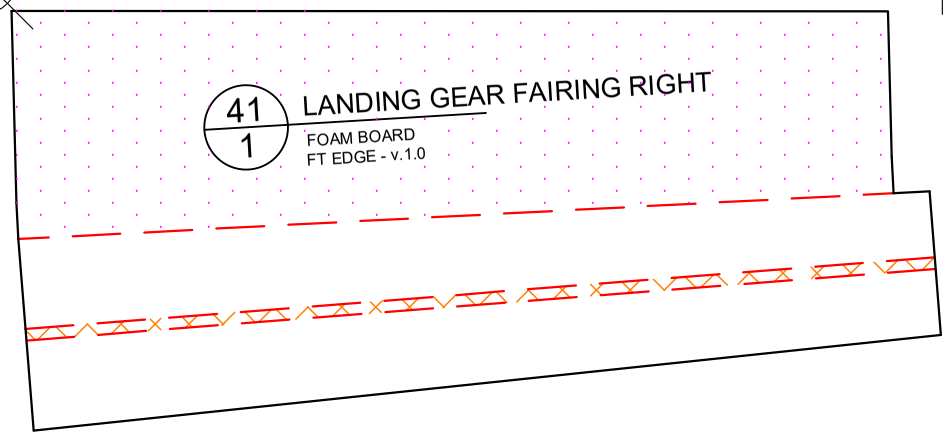
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CM

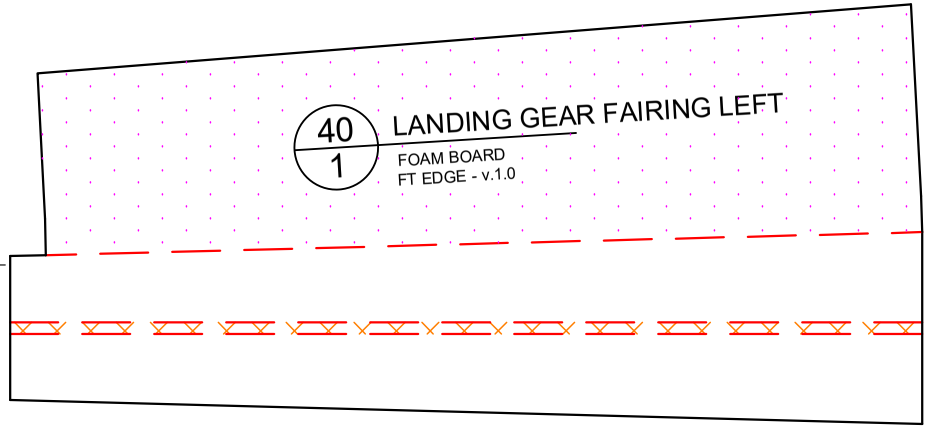

3
06
1
FUSELAGE FORMER 3
FOAM BOARD
FT EDGE - v.1.0

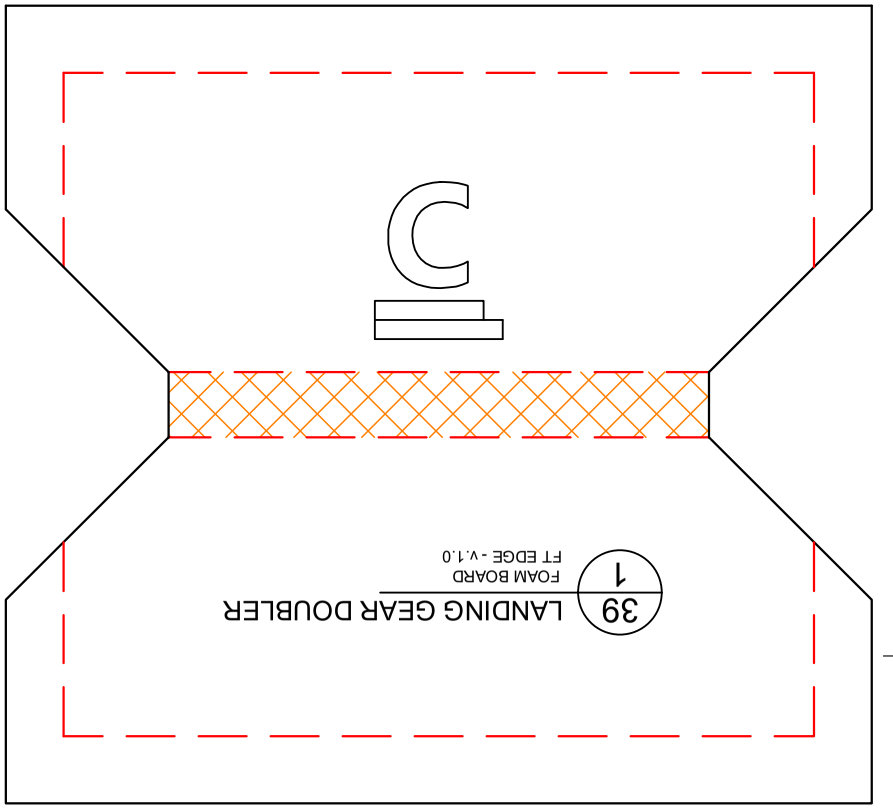

5
08
1
FUSELAGE FORMER 5
FOAM BOARD
FT EDGE - v.1.0

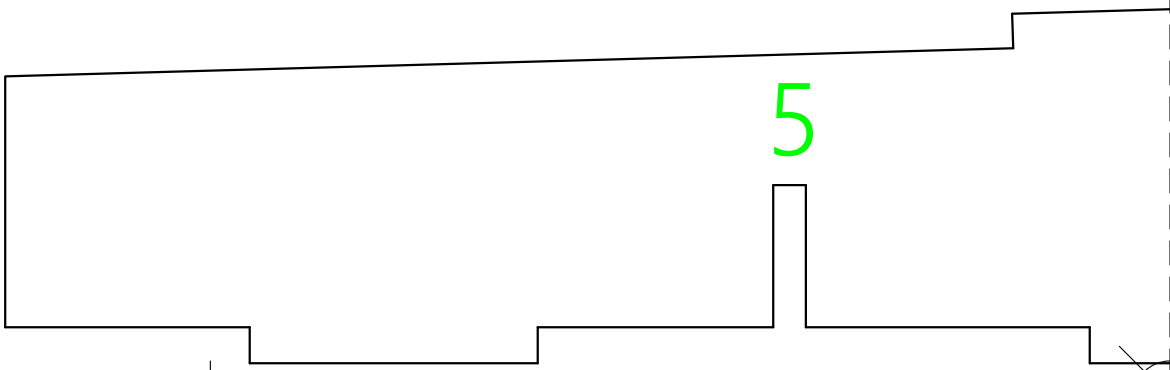

MOTOR POD
19
1
FOAM BOARD
FT EDGE - v.1.0


2
FUSELAGE FORMER 2
04
1
FOAM BOARD
FT EDGE - v.1.0



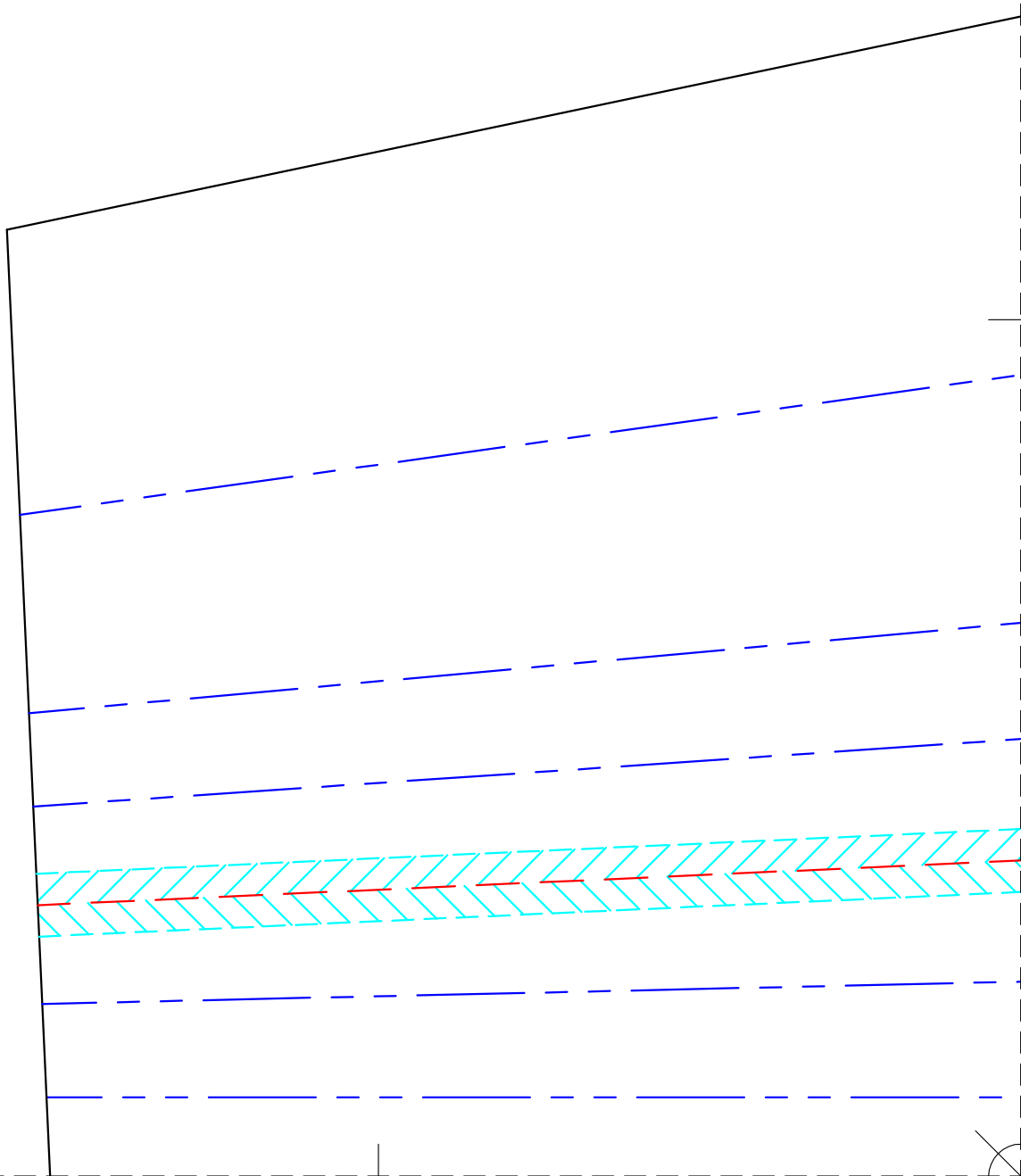






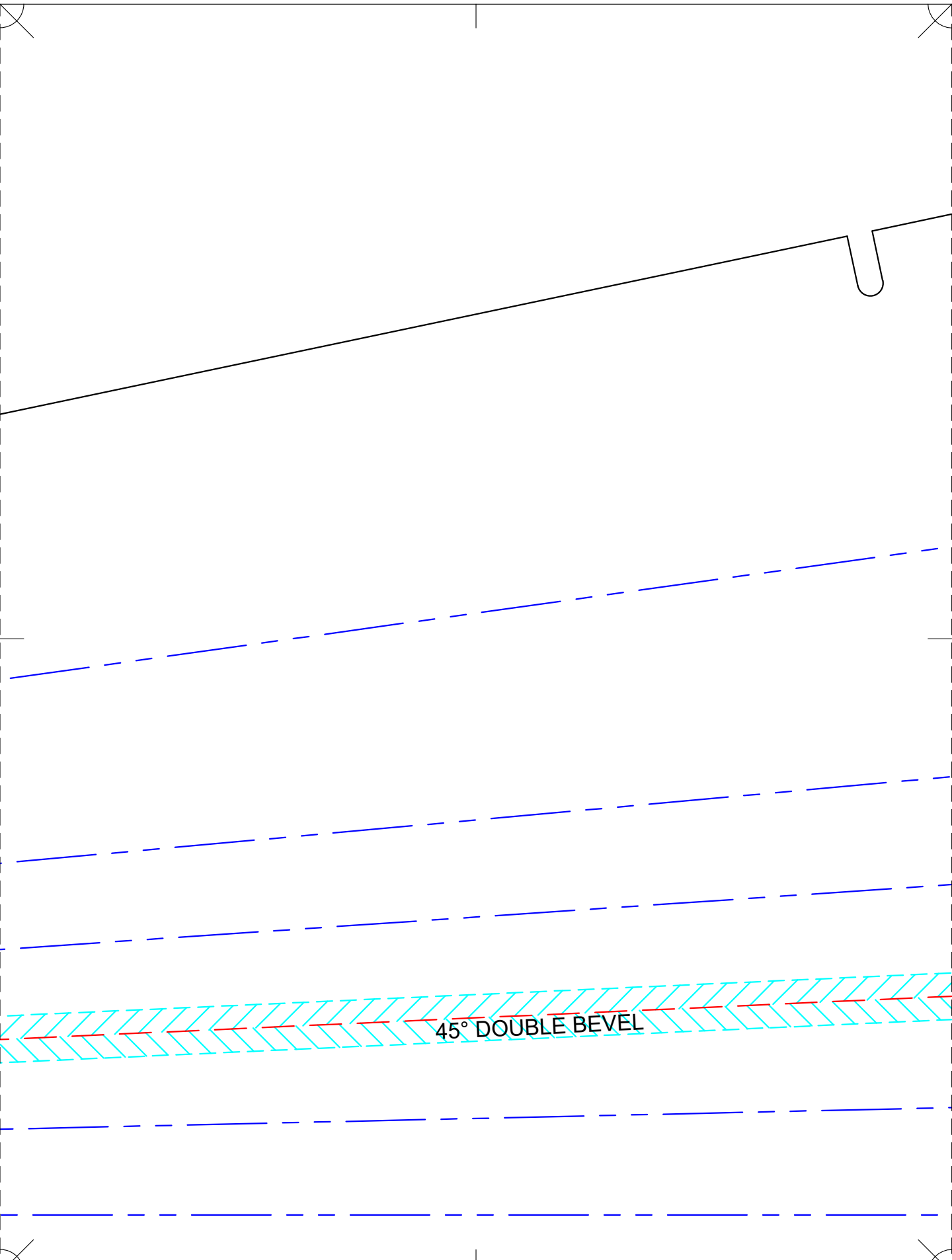
IN CM

FT EDGE v.1.0
TILE-A17



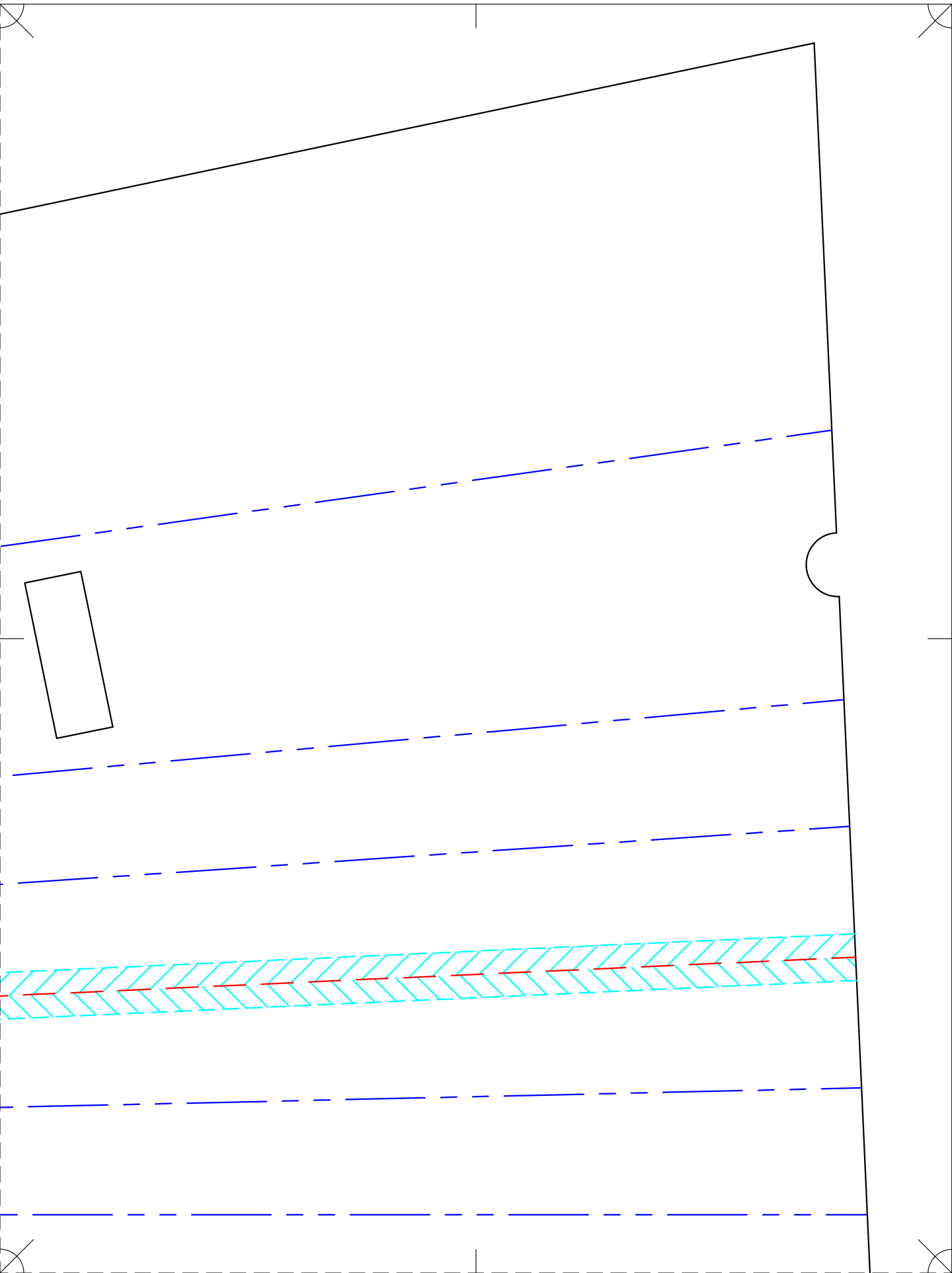
FT EDGE v.1.0
TILE-A19

IN
CM

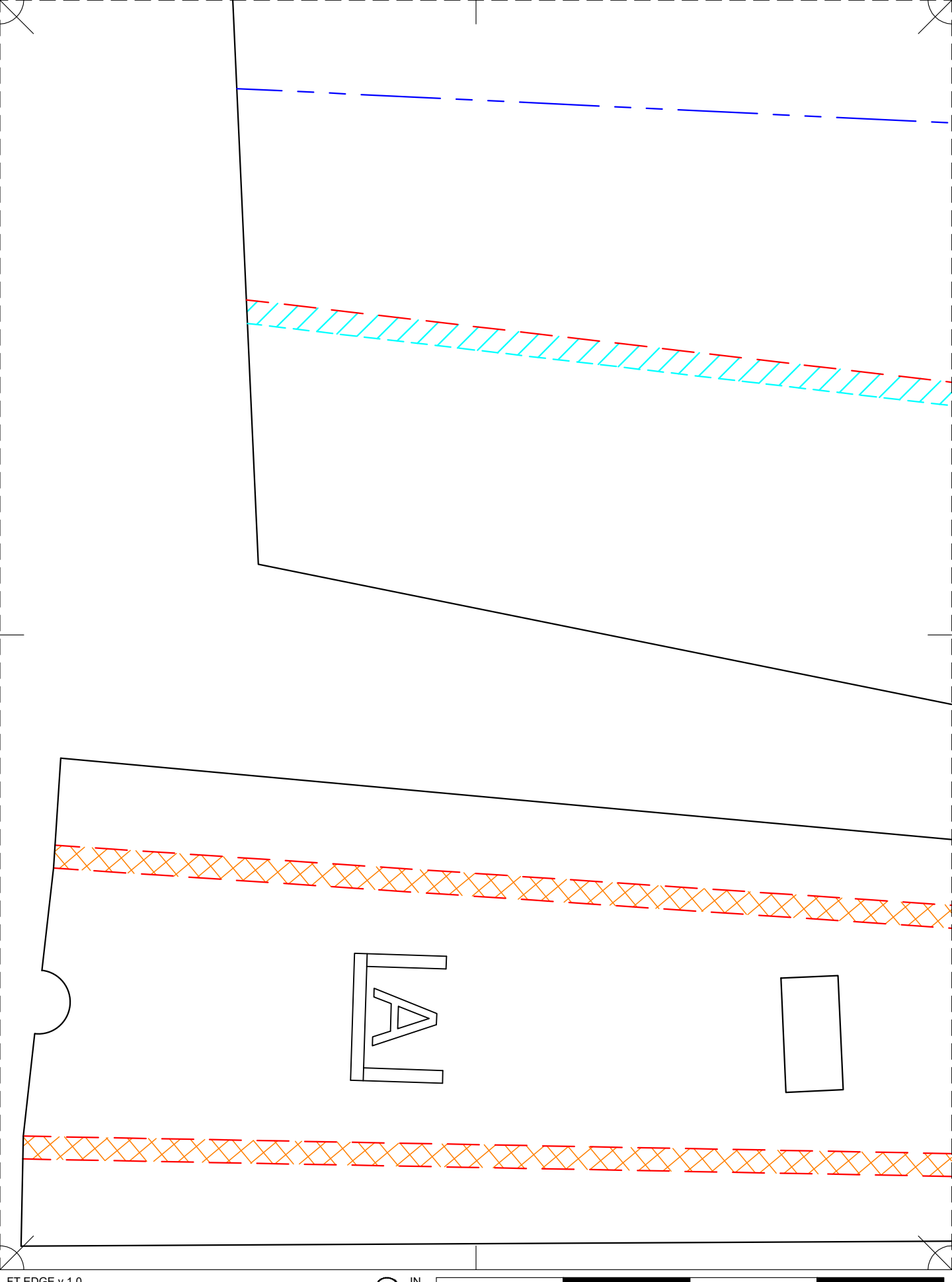


FT EDGE v.1.0
TILE-A20

IN
CM

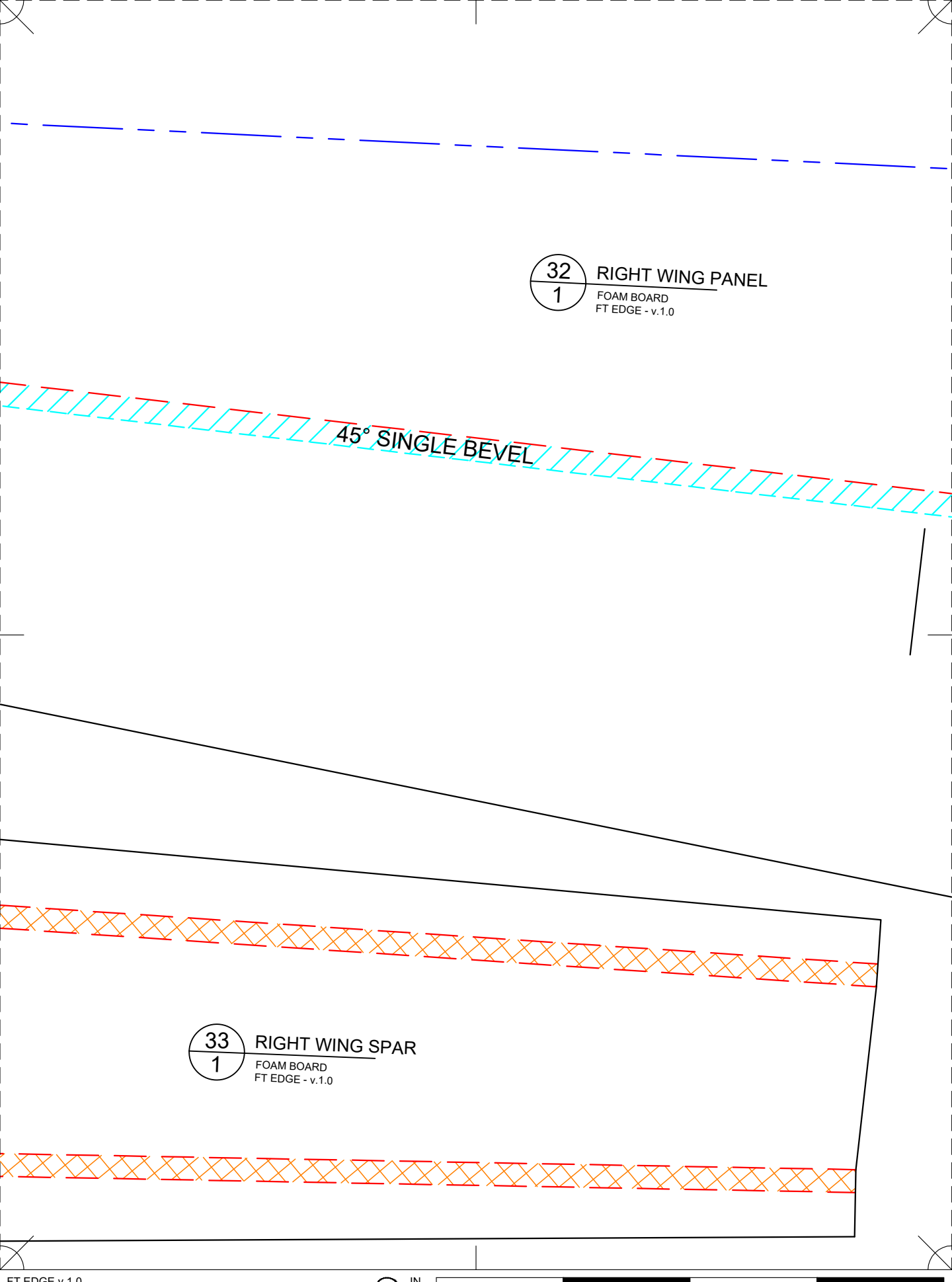


05
1
INTERNAL FUSELAGE STRINGER
FOAM BOARD
FT EDGE - v.1.0
14
1
TURTLE DECK FORMER 1 SUPPORT
FOAM BOARD
FT EDGE - v.1.0
CANOPY FORMER 1
24
1
FOAM BOARD
FT EDGE - v.1.0
C1
C
4
3



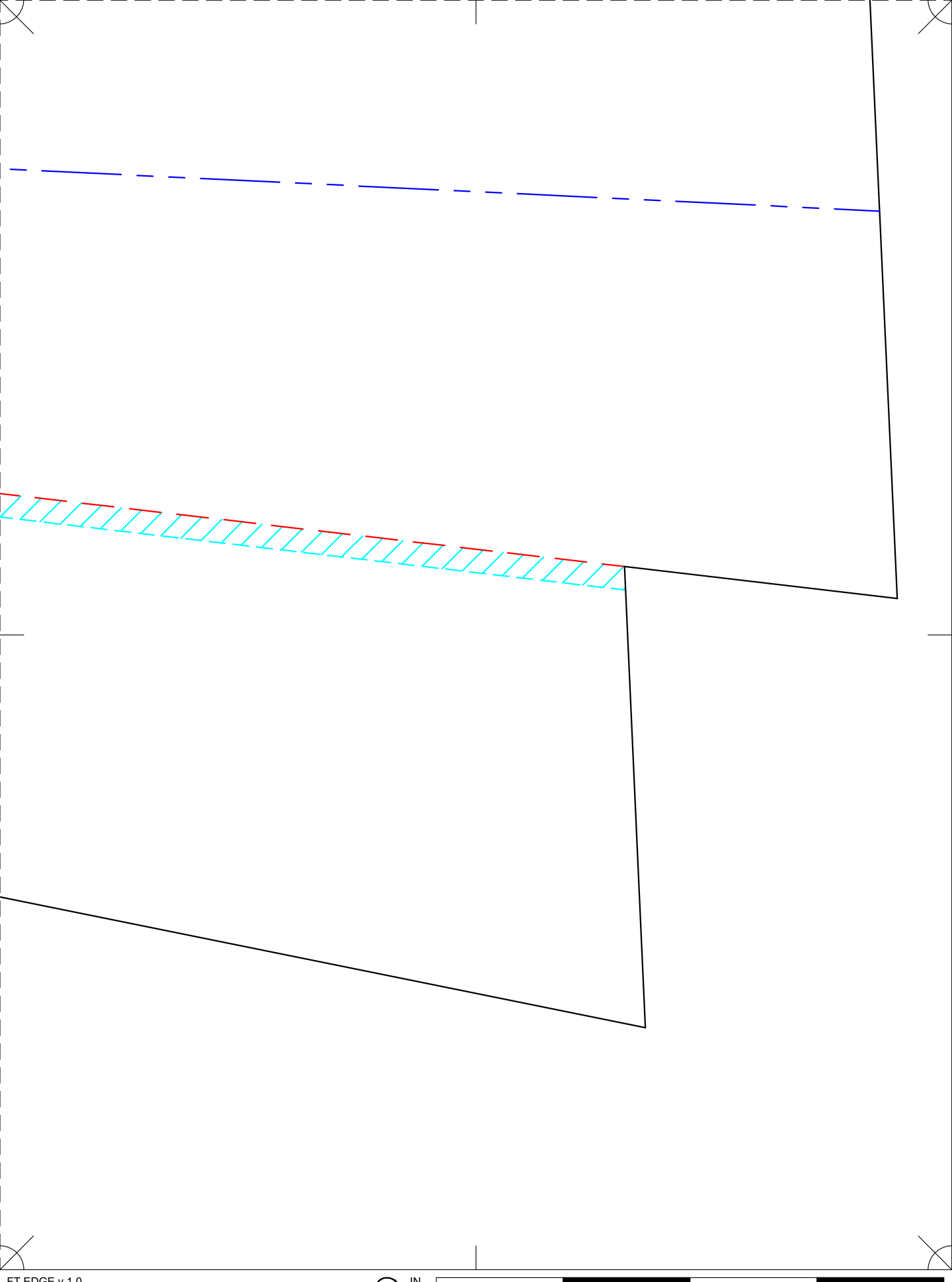
FT EDGE v.1.0
TILE-A22

IN
CM



FT EDGE v.1.0
TILE-A23

IN
CM

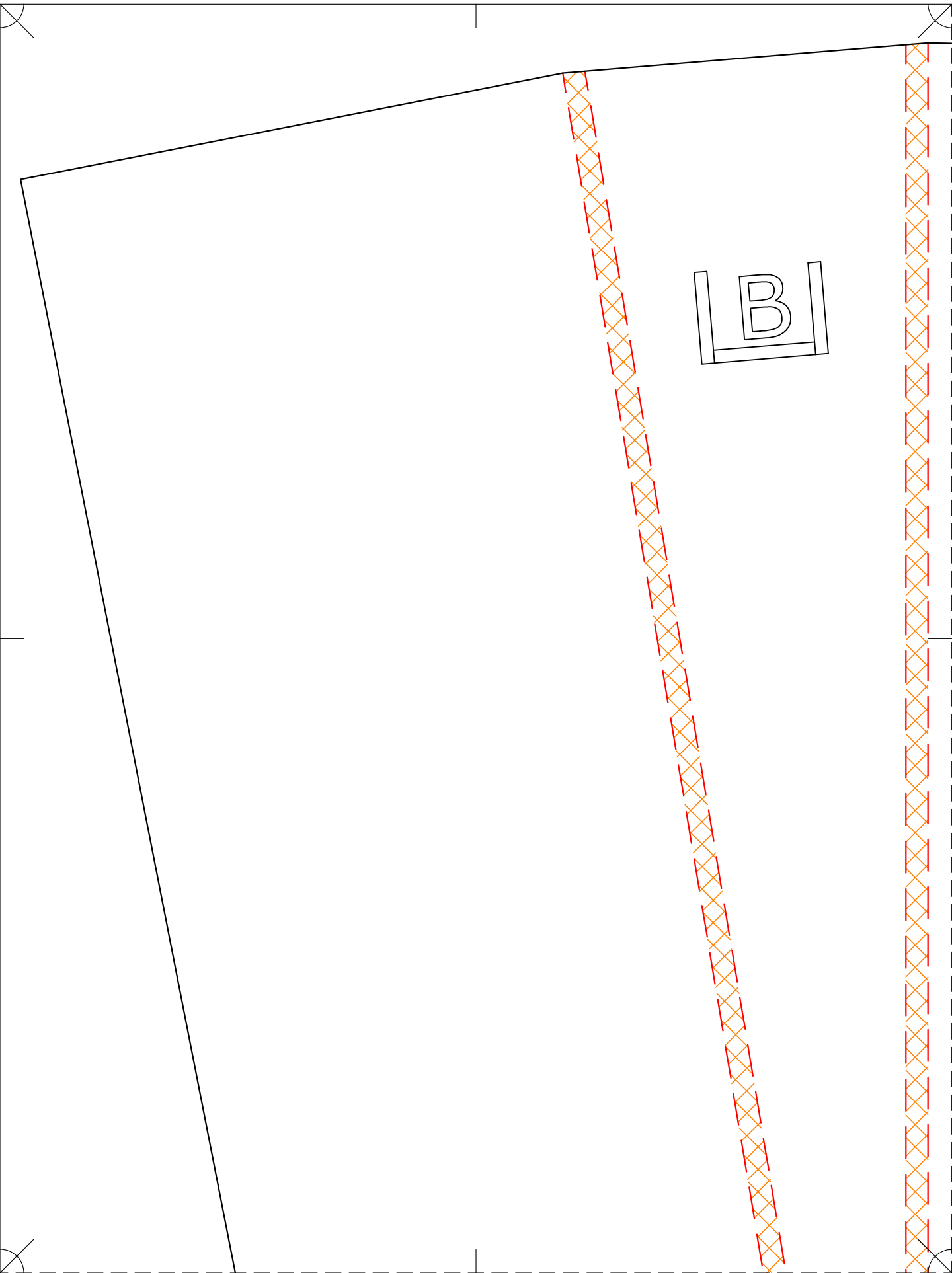


FT EDGE v.1.0
TILE-A24

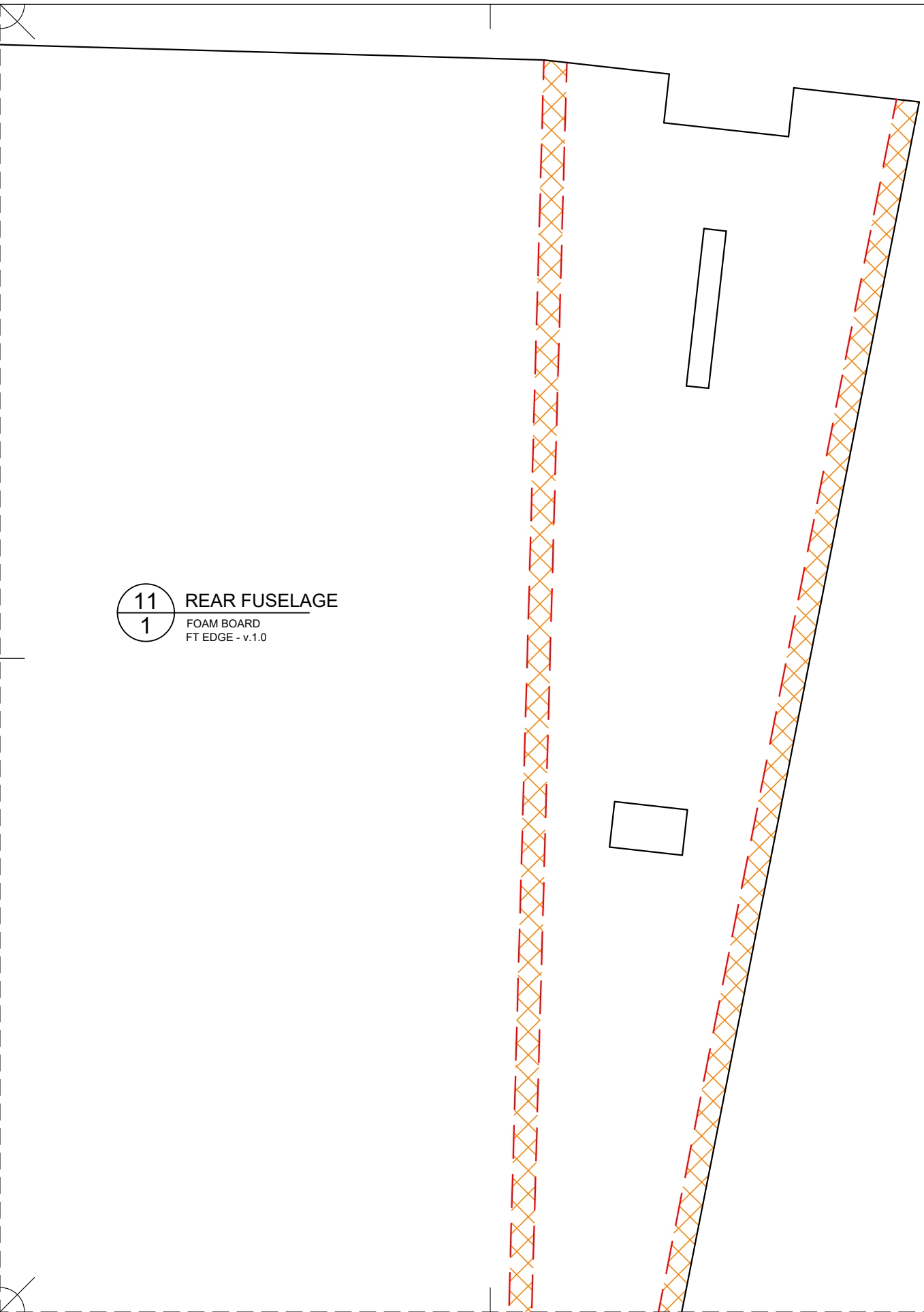
IN
CM

FT EDGE v.1.0
TILE-A25

IN
CM



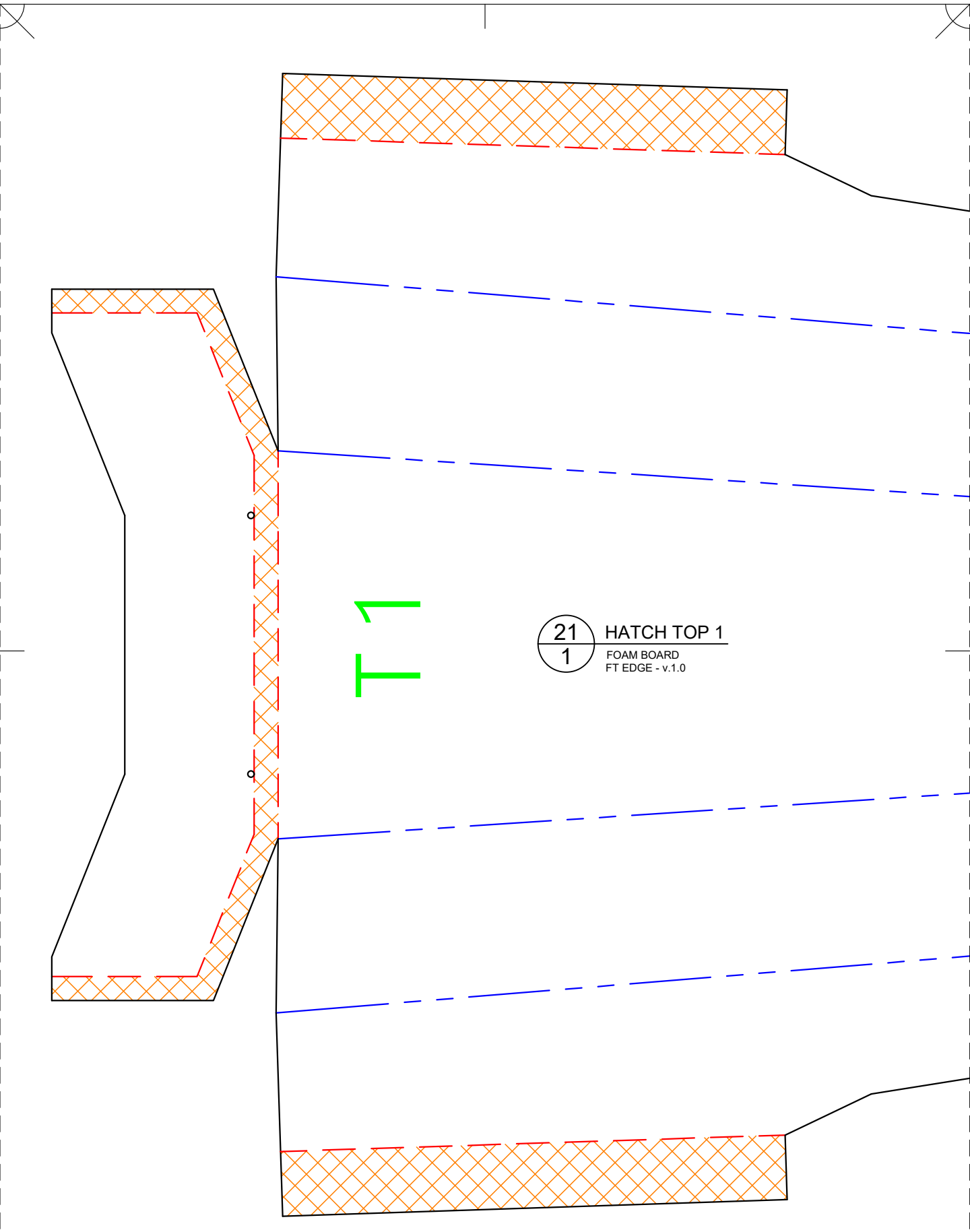
IN
CM

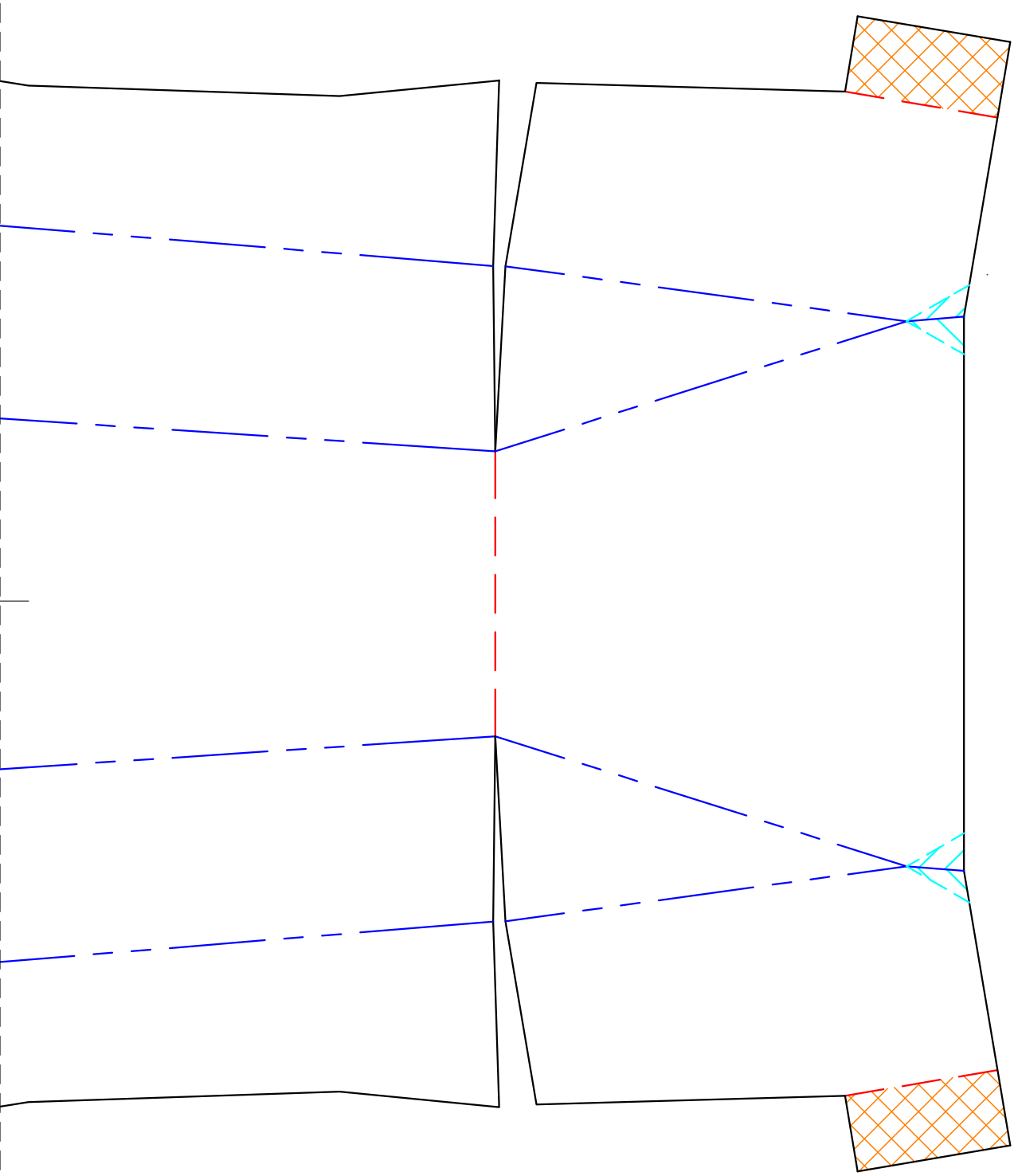


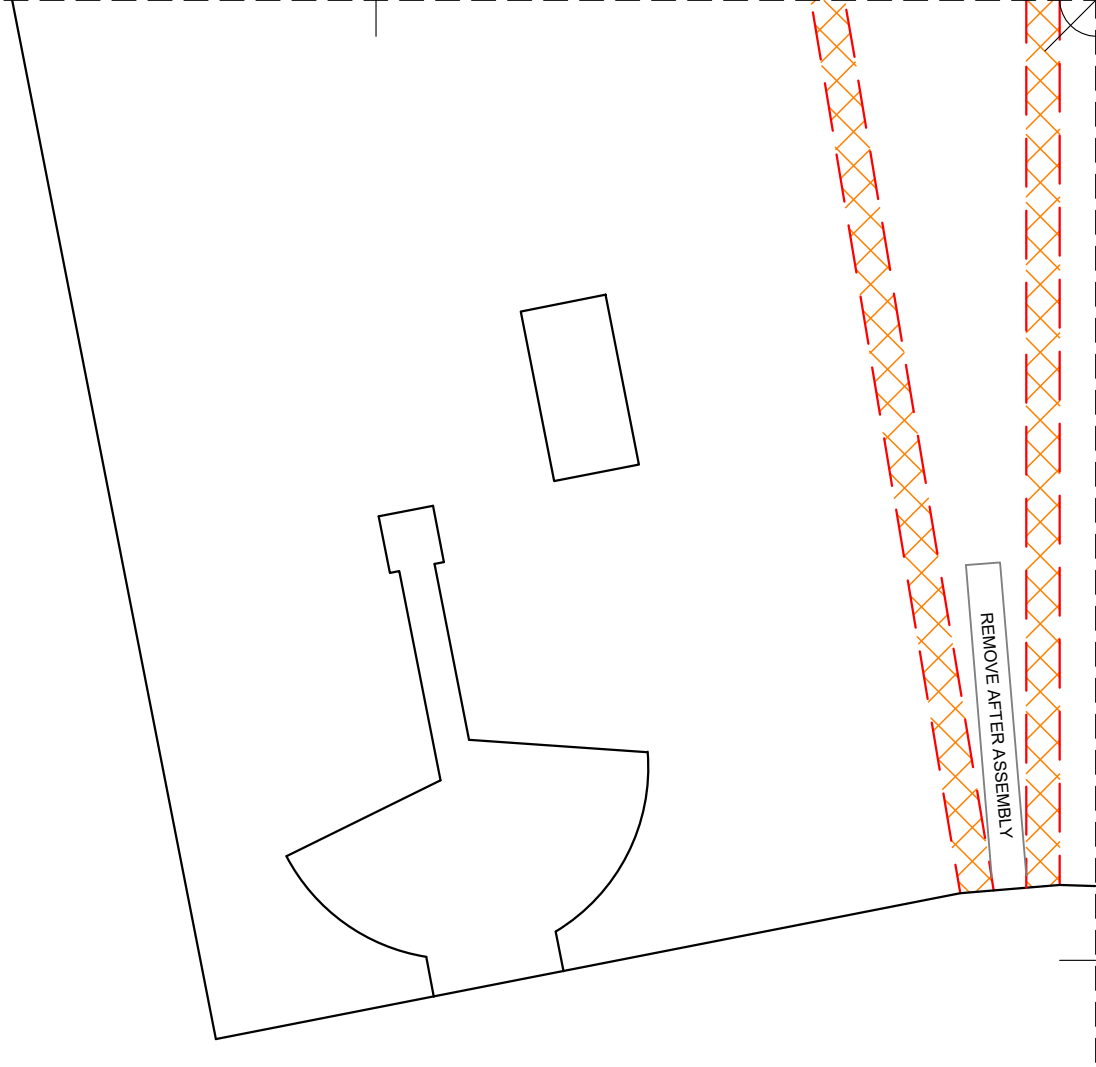
11/1 REAR FUSELAGE

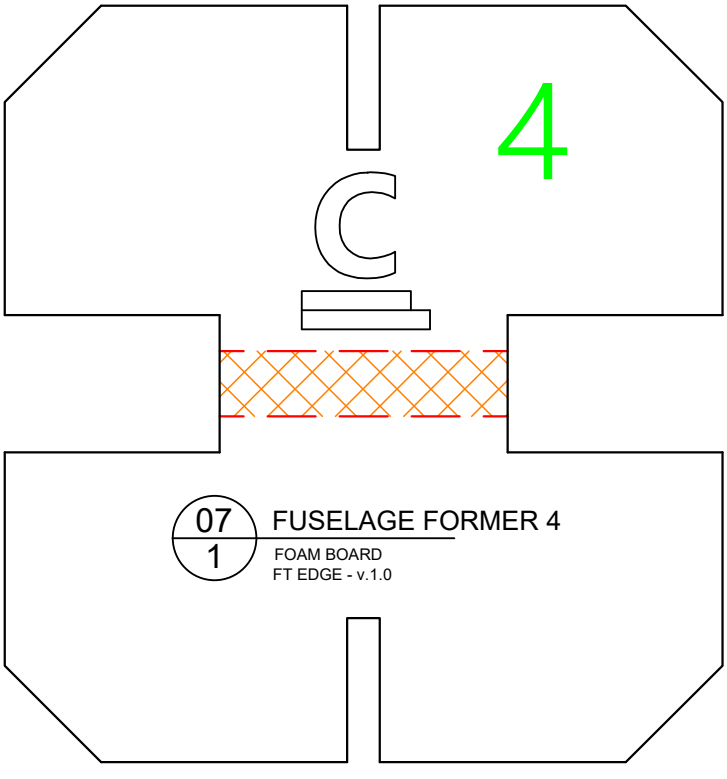
FOAM BOARD
FT EDGE - v.1.0

IN
CM





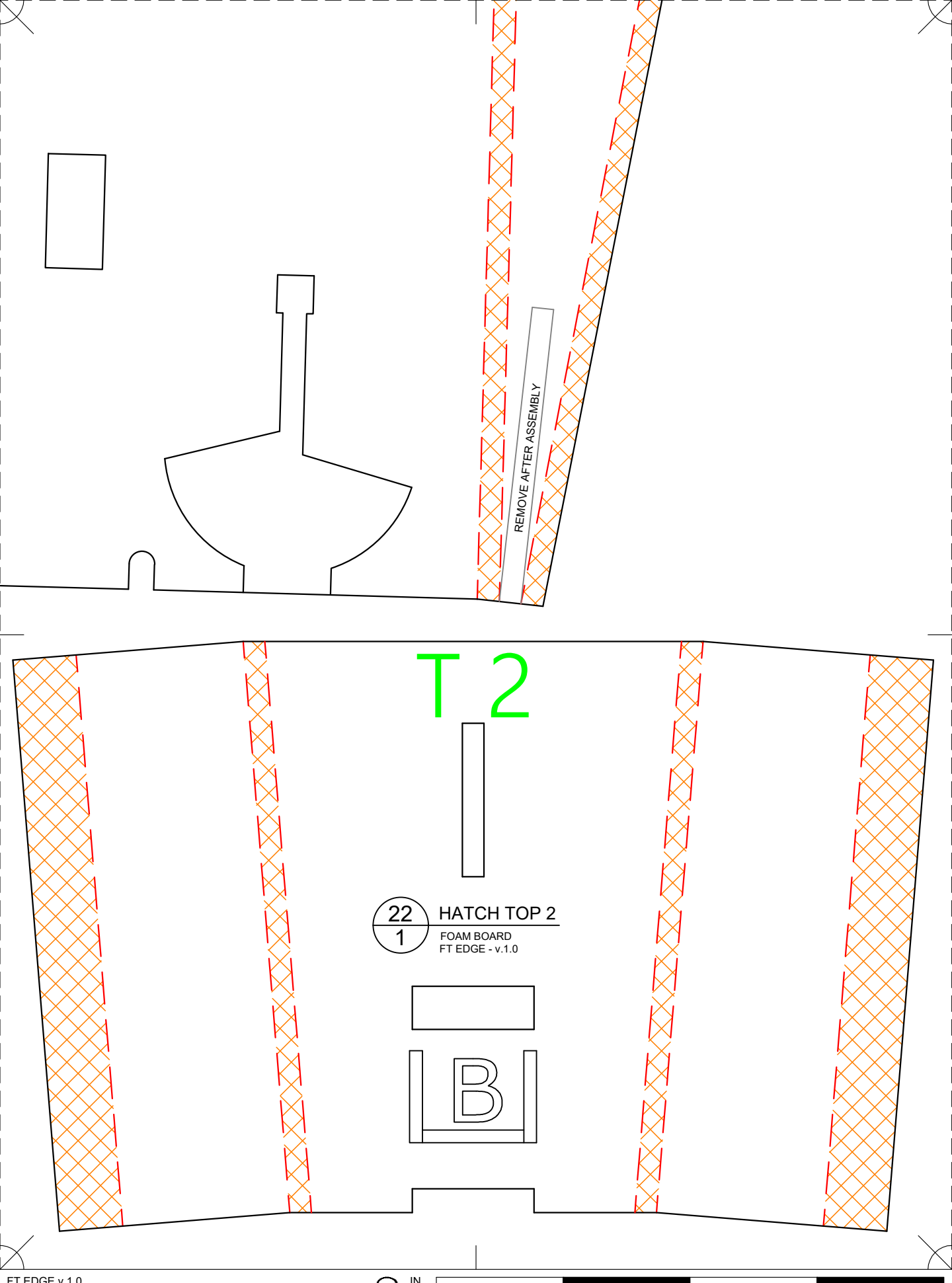




07
1

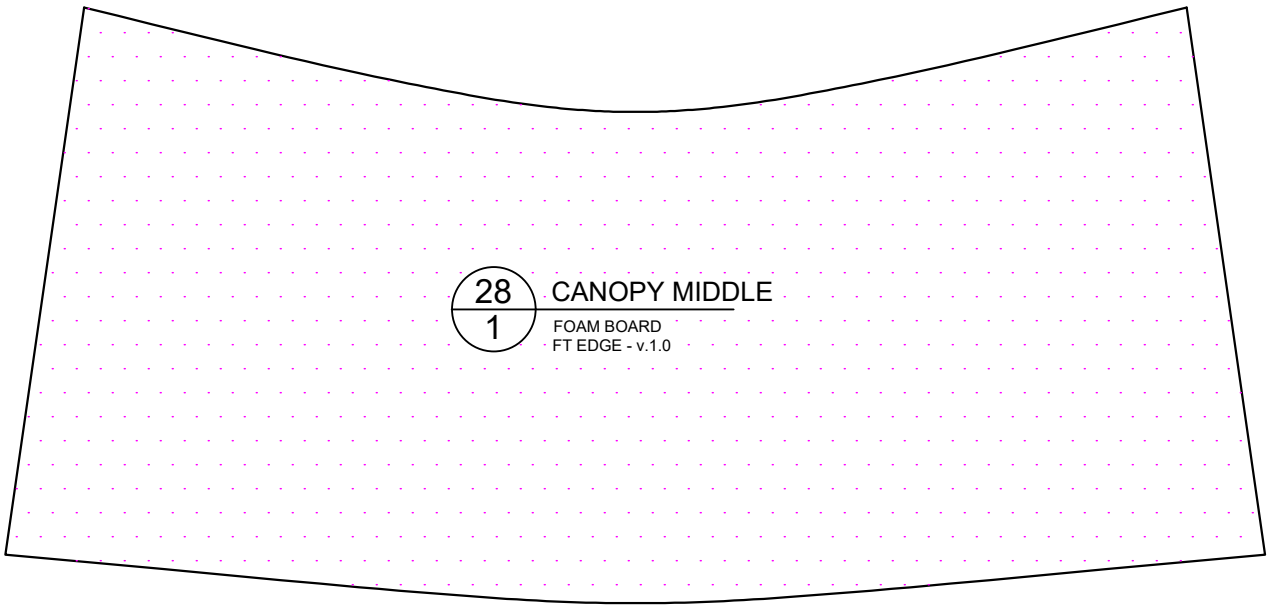
FUSELAGE FORMER 4

FOAM BOARD
FT EDGE - v.1.0

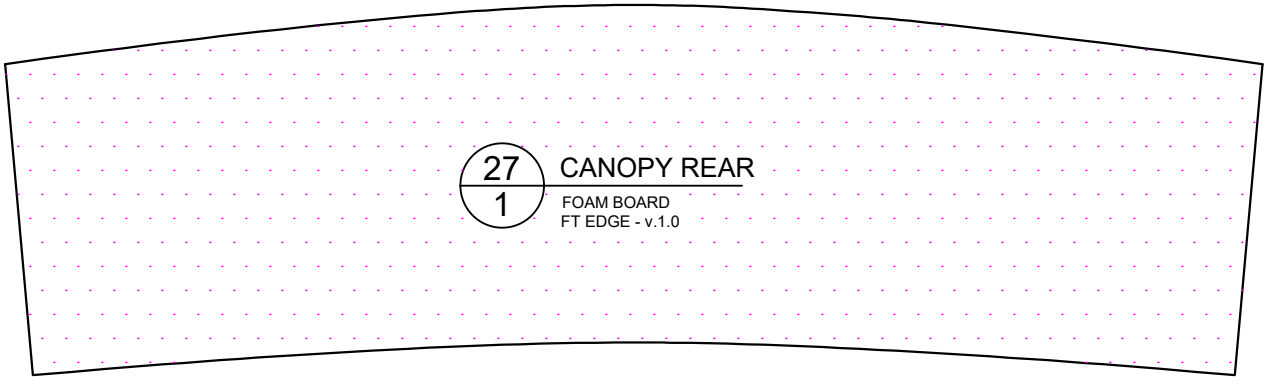


FT EDGE v.1.0
TILE-A30

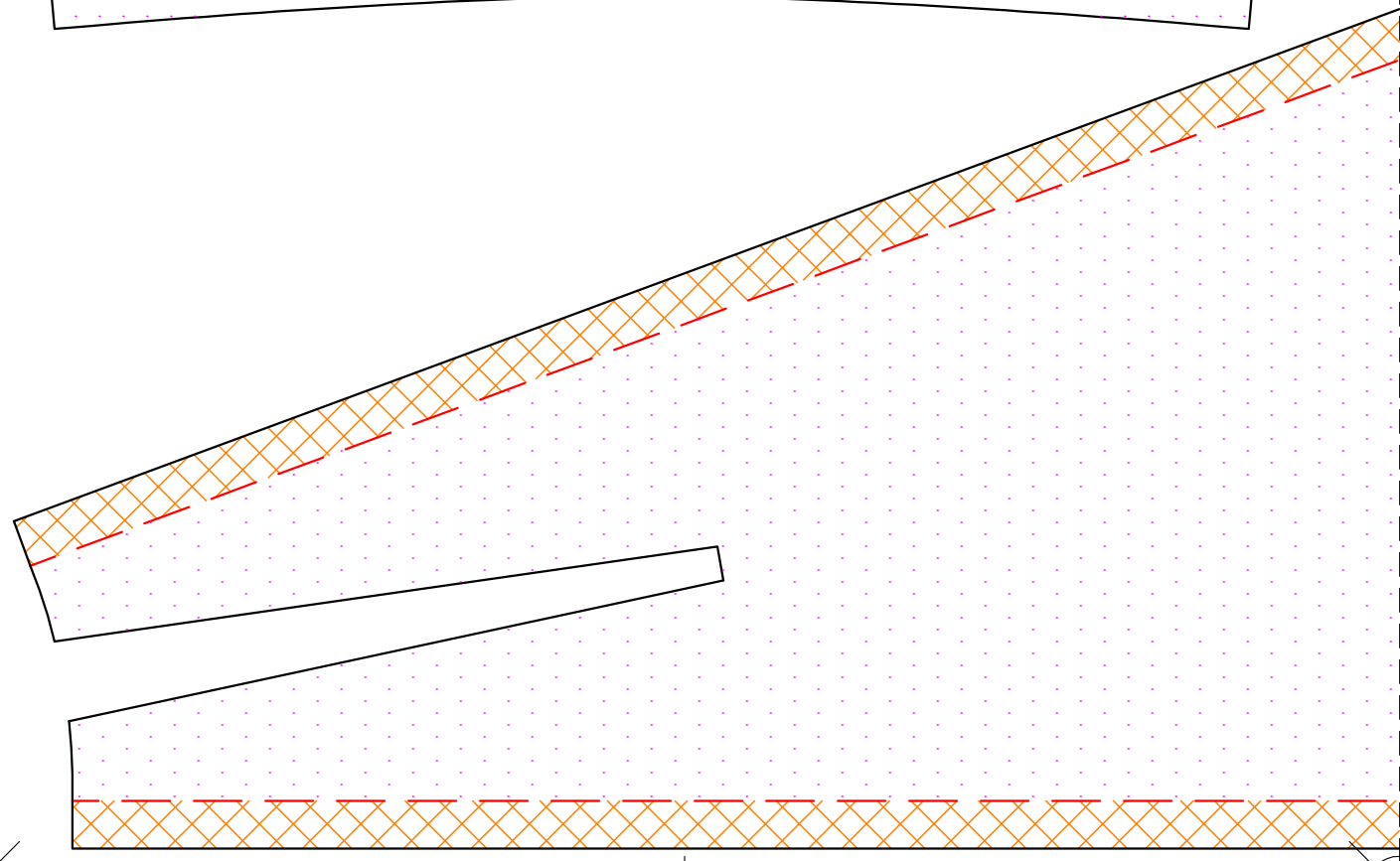
IN
CM

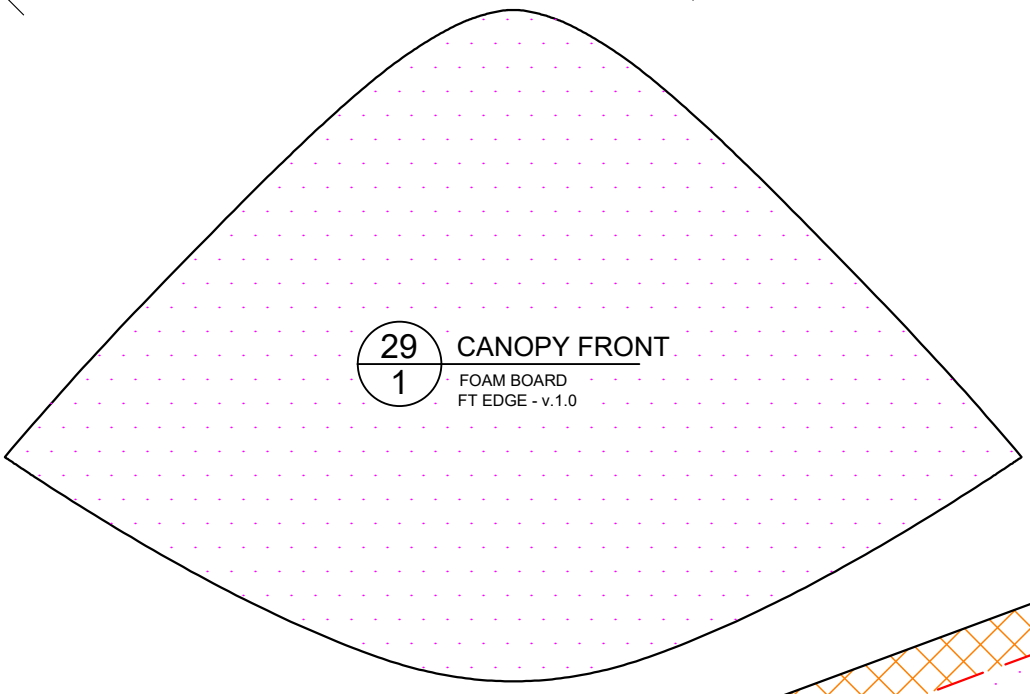


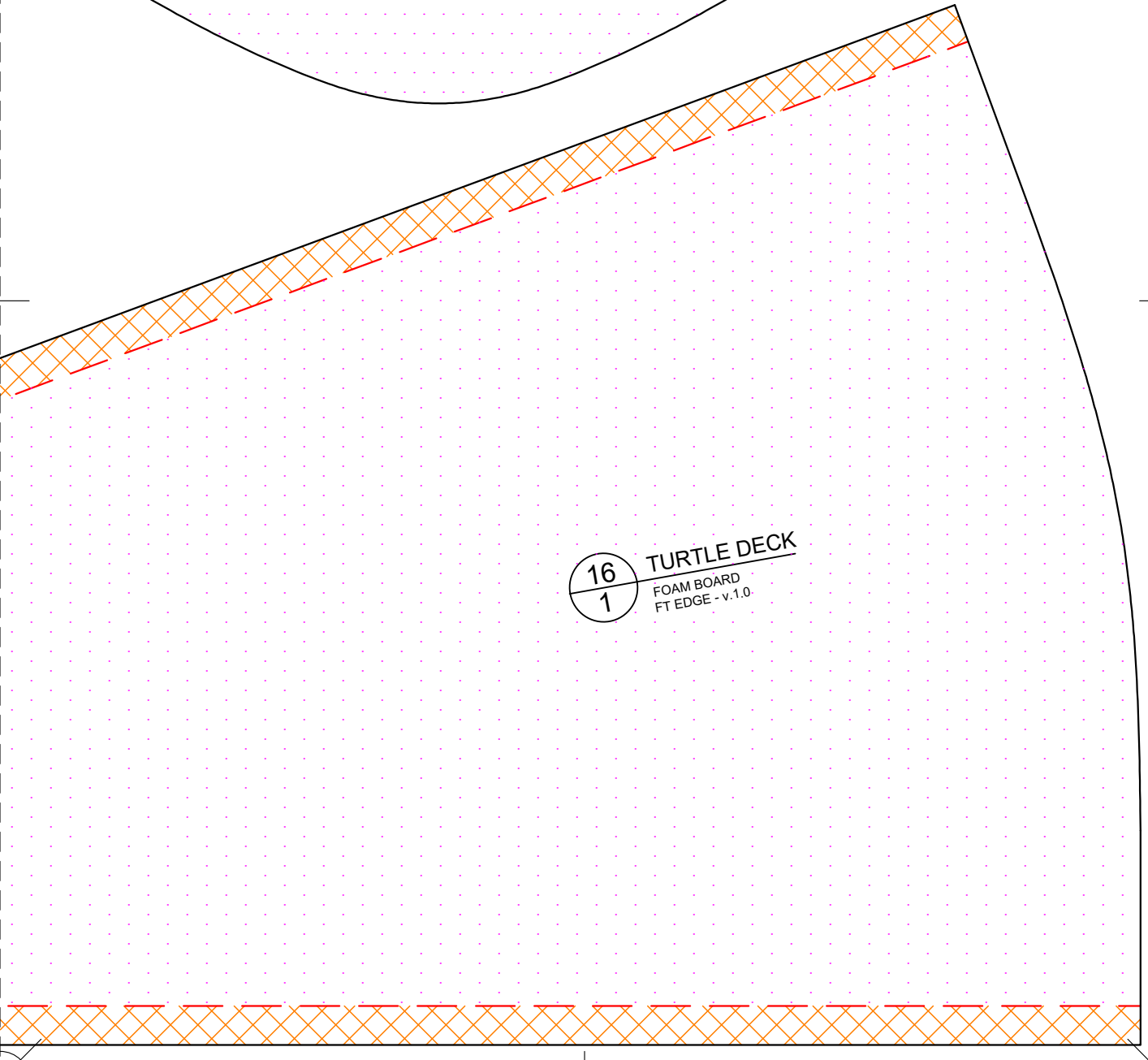
28
1
CANOPY MIDDLE
FOAM BOARD
FT EDGE - v.1.0



27
1
CANOPY REAR
FOAM BOARD
FT EDGE - v.1.0





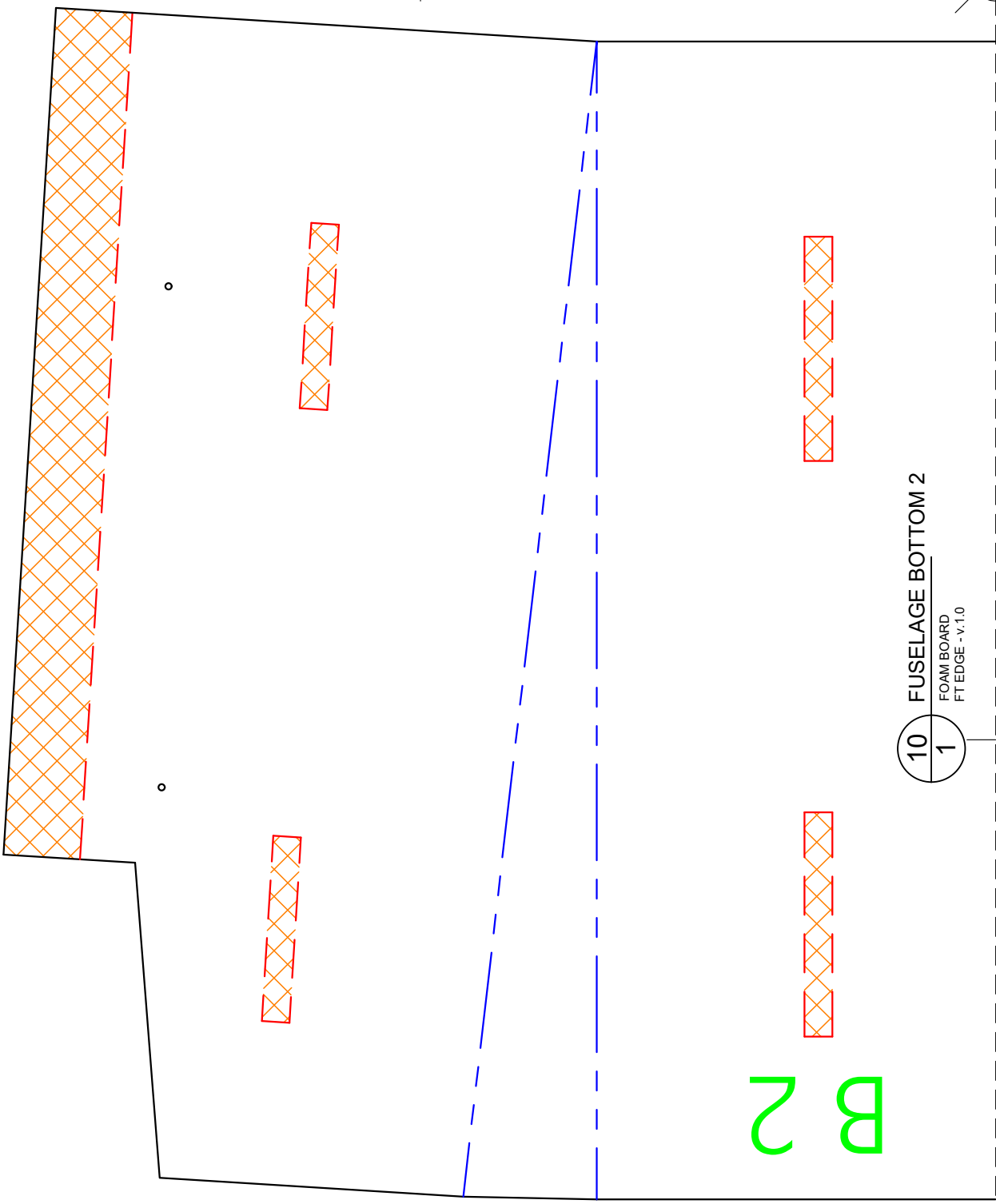


FT EDGE v.1.0
TILE-A32

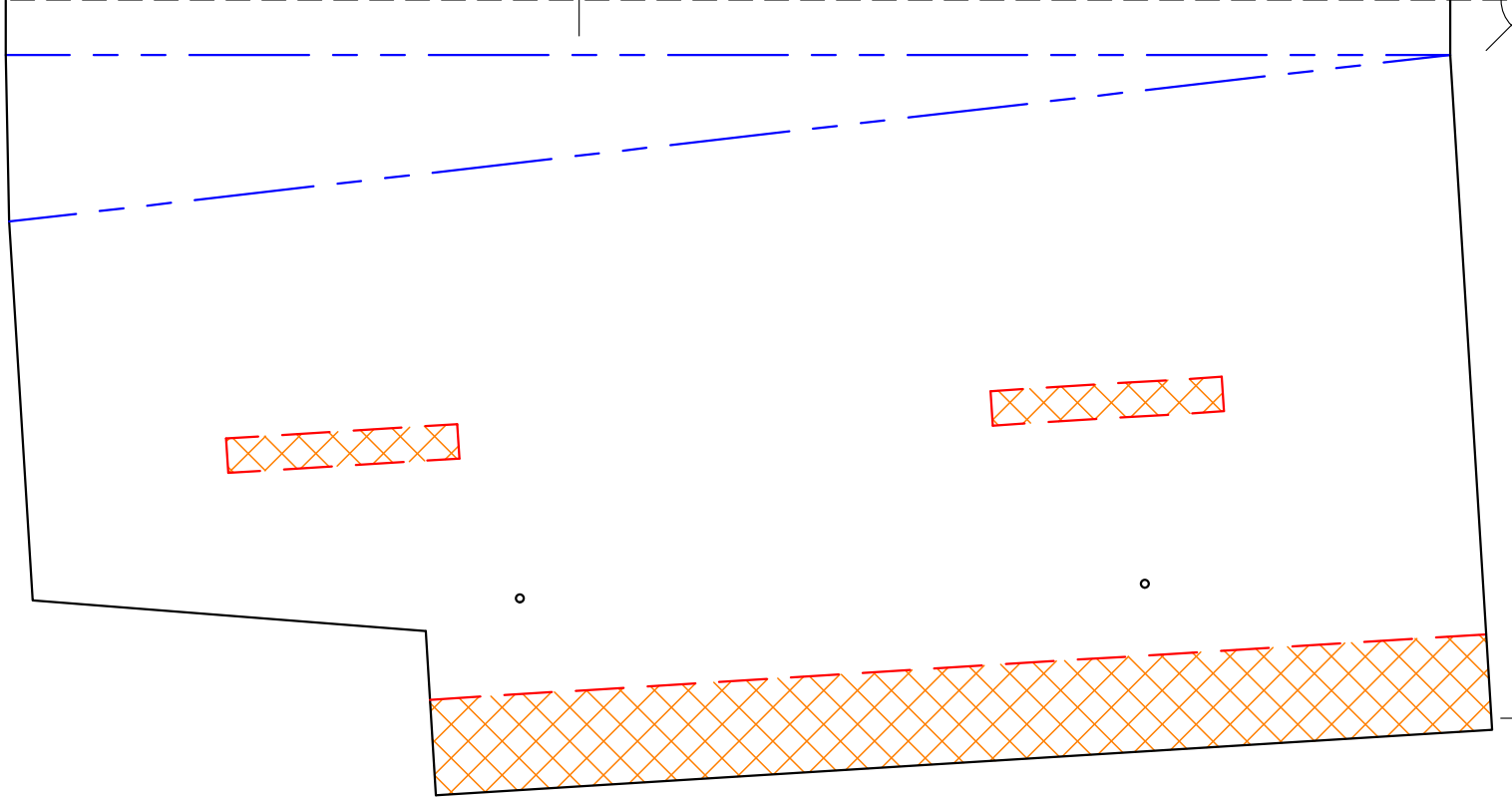
IN
CM

FT EDGE v.1.0
TILE-A33

IN
CM



10 / 1 FUSELAGE BOTTOM 2
FOAM BOARD
FT EDGE - v.1.0



02
2
FUSELAGE FORMER SUPPORT
FOAM BOARD
FT EDGE - v.1.0
FORWARD

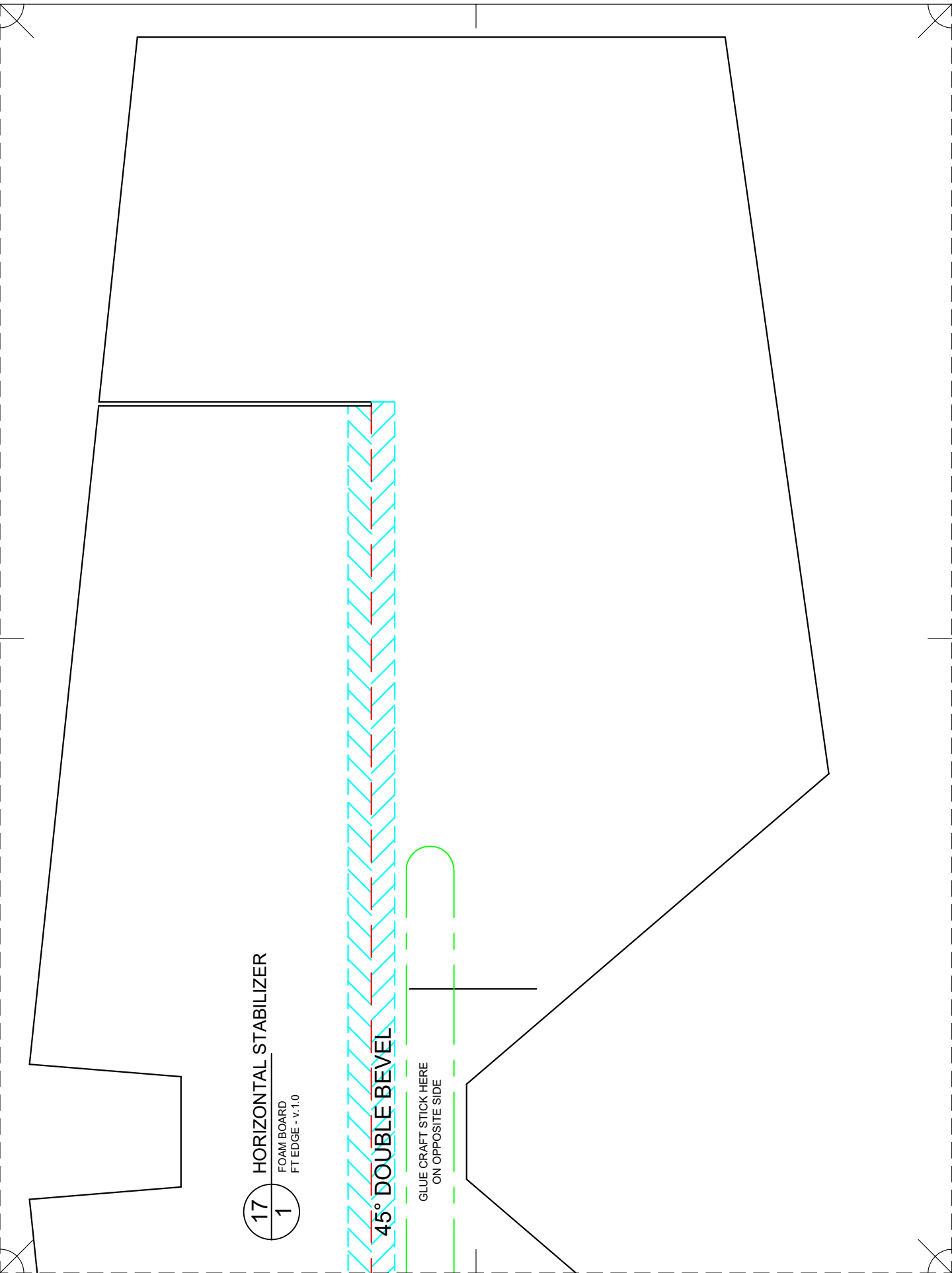
02
2
FUSELAGE FORMER SUPPORT
FOAM BOARD
FT EDGE - v.1.0
FORWARD

FT EDGE v.1.0
TILE-A34

CM IN

FT EDGE v.1.0
TILE-A35

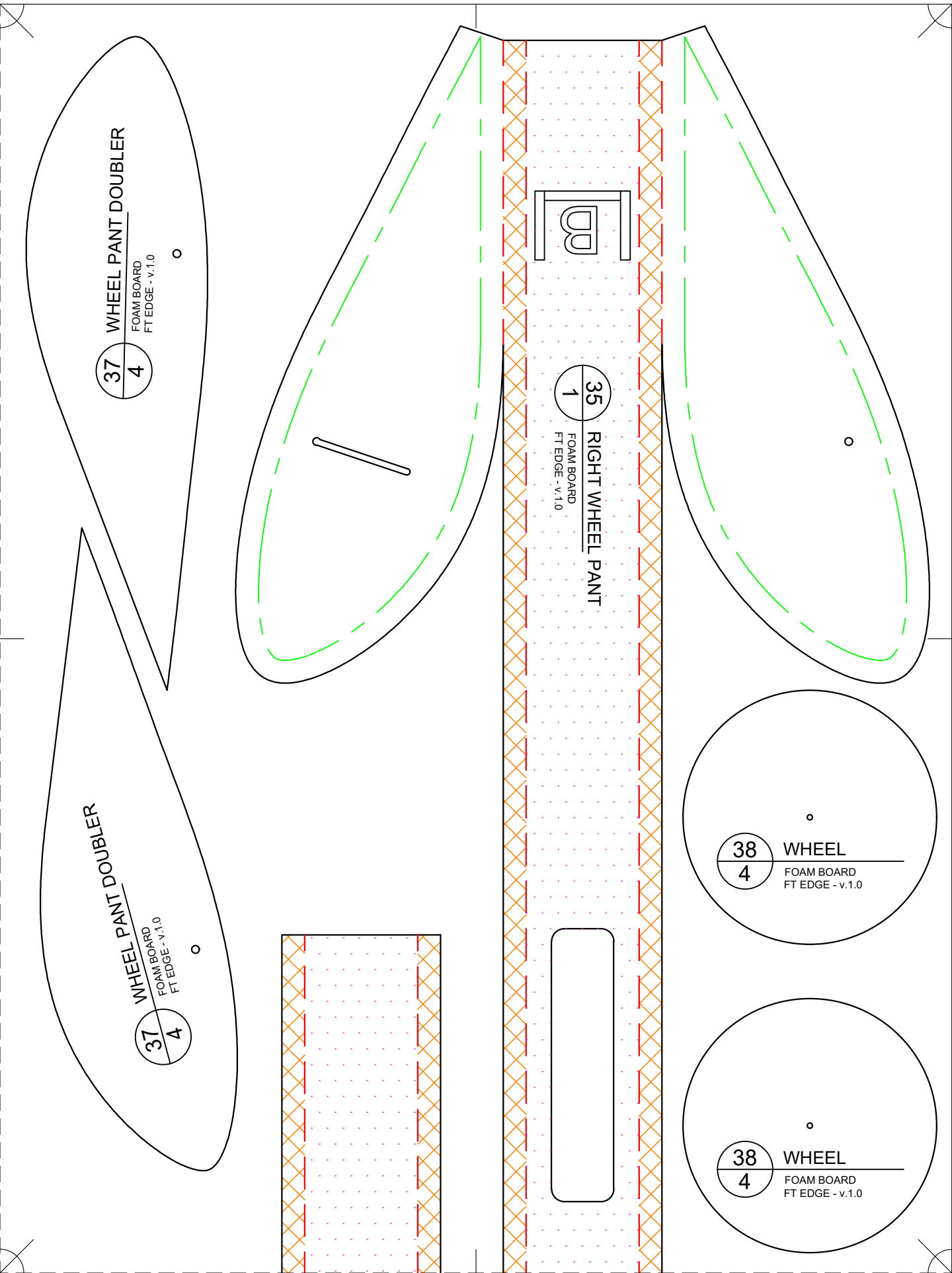
IN
CM



17/1 HORIZONTAL STABILIZER
FOAM BOARD
FT EDGE - v.1.0

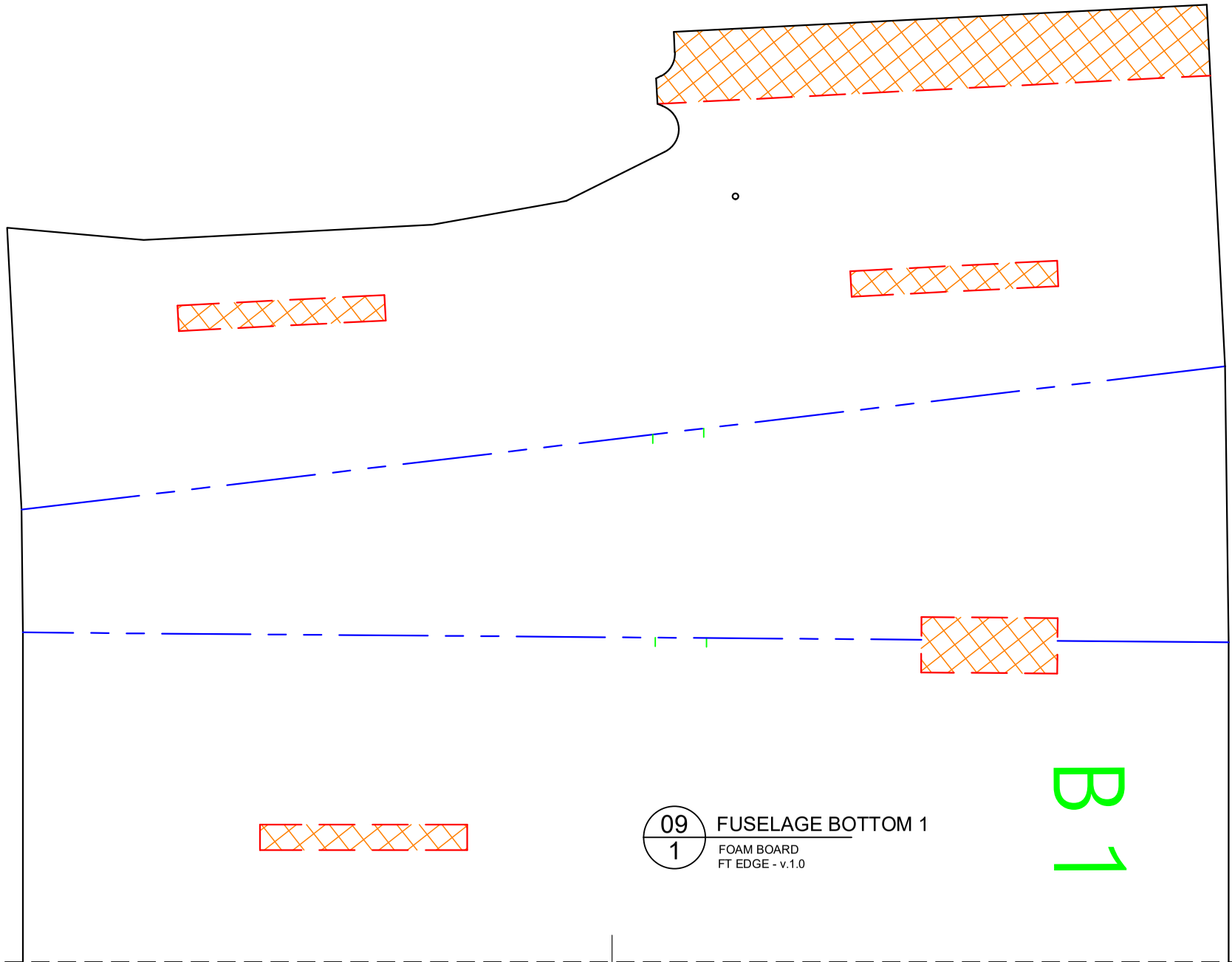
FT EDGE v.1.0
TILE-A36

IN
CM



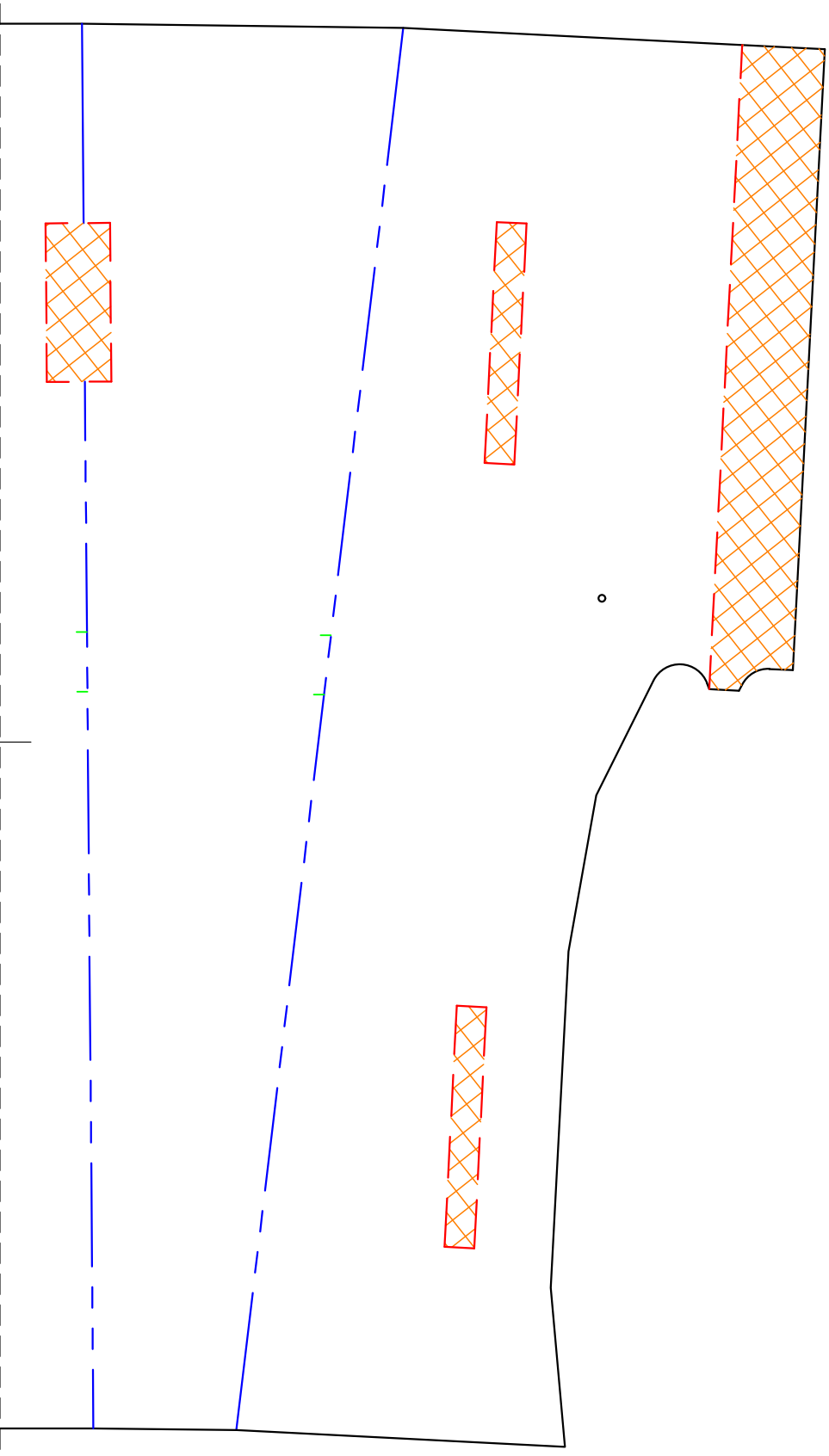
FT EDGE v.1.0
TILE-A37

CM IN



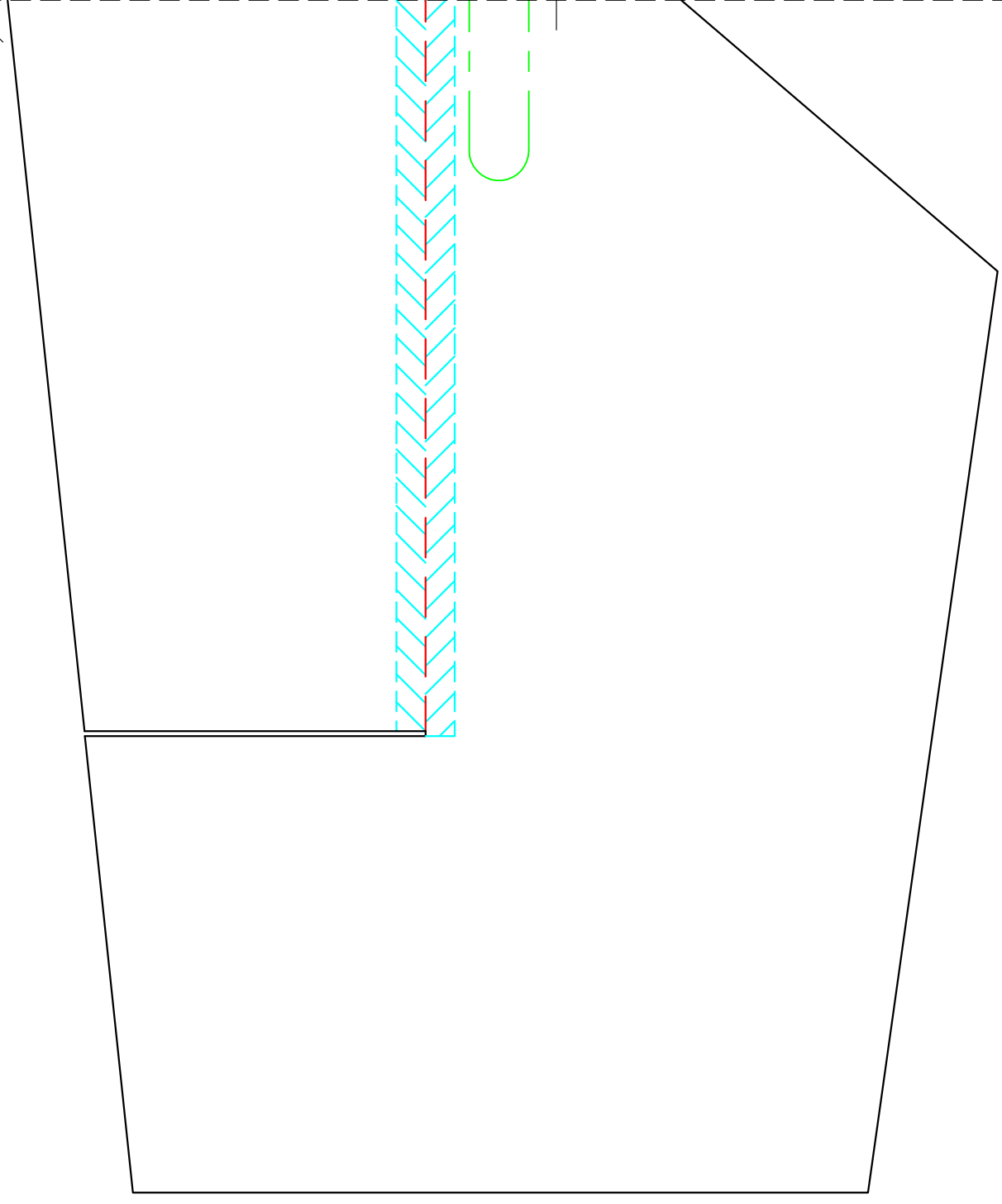
09
1
FUSELAGE BOTTOM 1
FOAM BOARD
FT EDGE - v.1.0

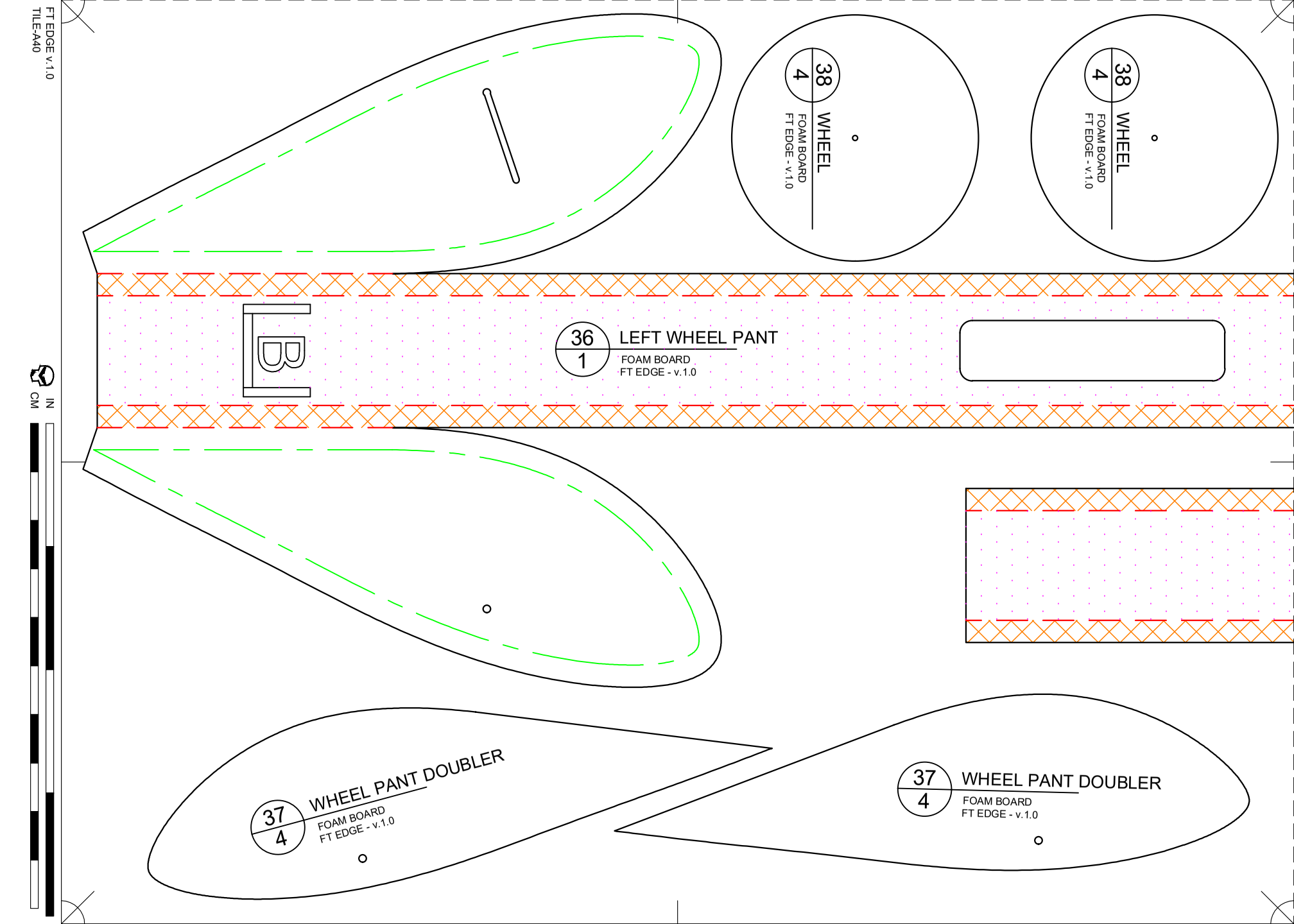
B



FT EDGE v.1.0
TILE-A38

IN
CM




FT EDGE v.1.0
TILE-A40
CM
IN
38
4
WHEEL
FOAM BOARD
FT EDGE - v.1.0
38
4
WHEEL
FOAM BOARD
FT EDGE - v.1.0
36
1
LEFT WHEEL PANT
FOAM BOARD
FT EDGE - v.1.0
37
4
WHEEL PANT DOUBLER
FOAM BOARD
FT EDGE - v.1.0
37
4
WHEEL PANT DOUBLER
FOAM BOARD
FT EDGE - v.1.0

IN
CM

23/2 HATCH SIDE DOUBLER
FOAM BOARD
FT EDGE - v.1.0

03/1 FUSELAGE FORMER 1
FOAM BOARD
FT EDGE - v.1.0

1

15/1 NOSE FORMER
FOAM BOARD
FT EDGE - v.1.0

5

23/2 HATCH SIDE DOUBLER
FOAM BOARD
FT EDGE - v.1.0

IN
CM

12/1 TURTLE DECK FORMER 2
FOAM BOARD
FT EDGE - v.1.0

3

01/1 INTERNAL FUSELAGE STRUCTURE
FOAM BOARD
FT EDGE - v.1.0

GLUE CRAFT STICK HERE
ON OPPOSITE SIDE

2

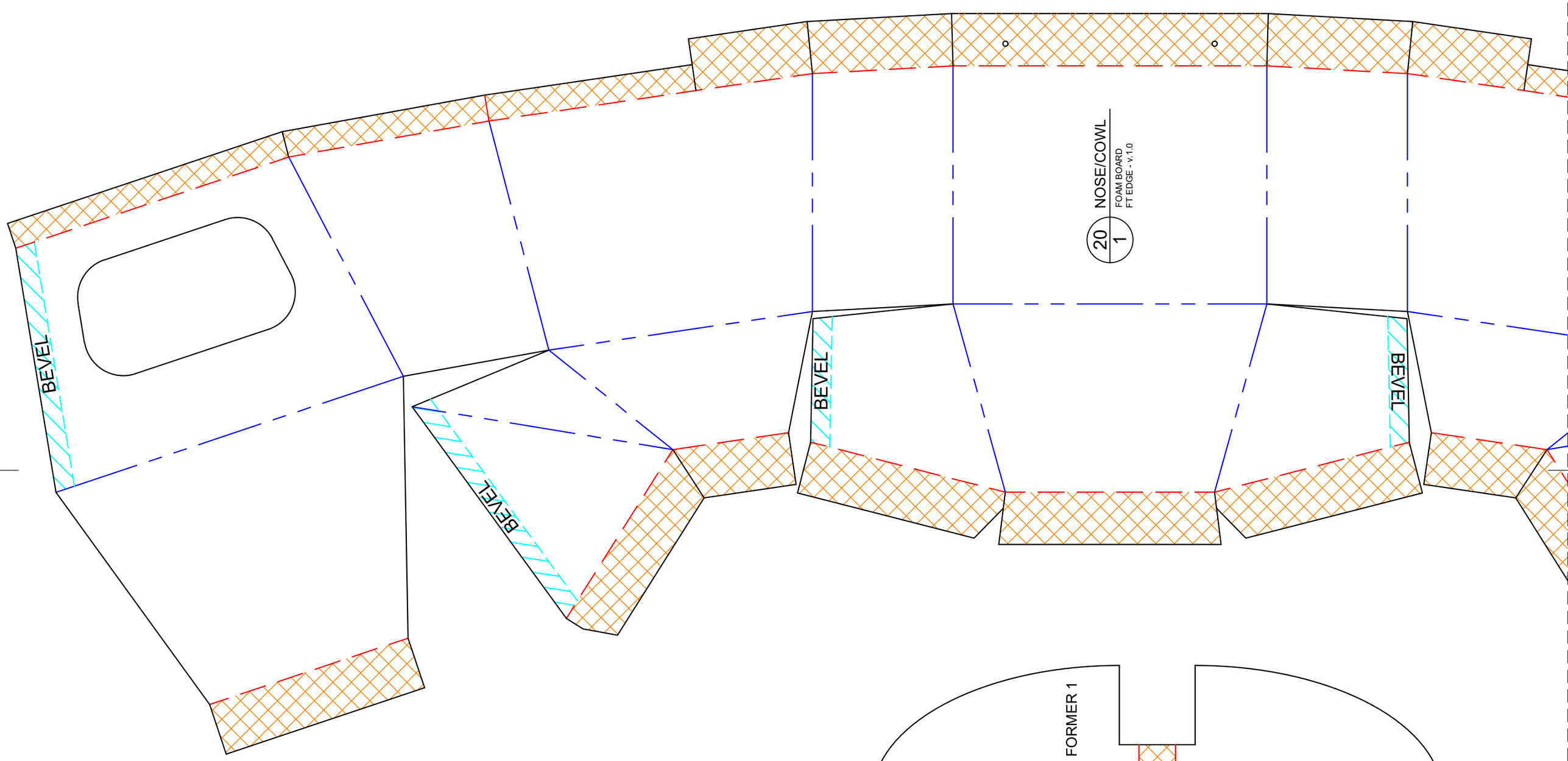
GLUE CRAFT STICK HERE
ON OPPOSITE SIDE

1

B

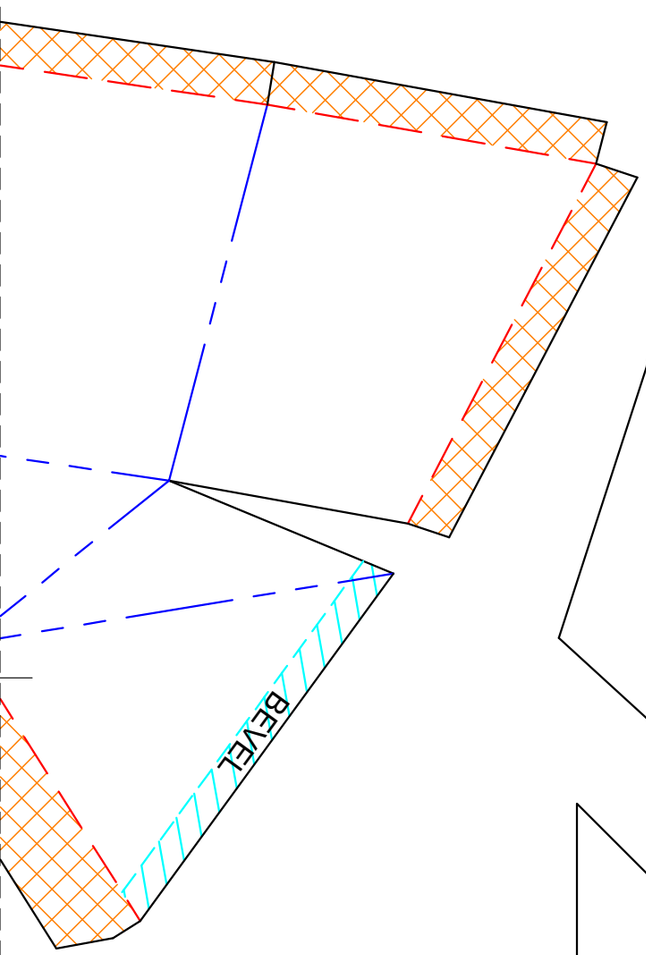
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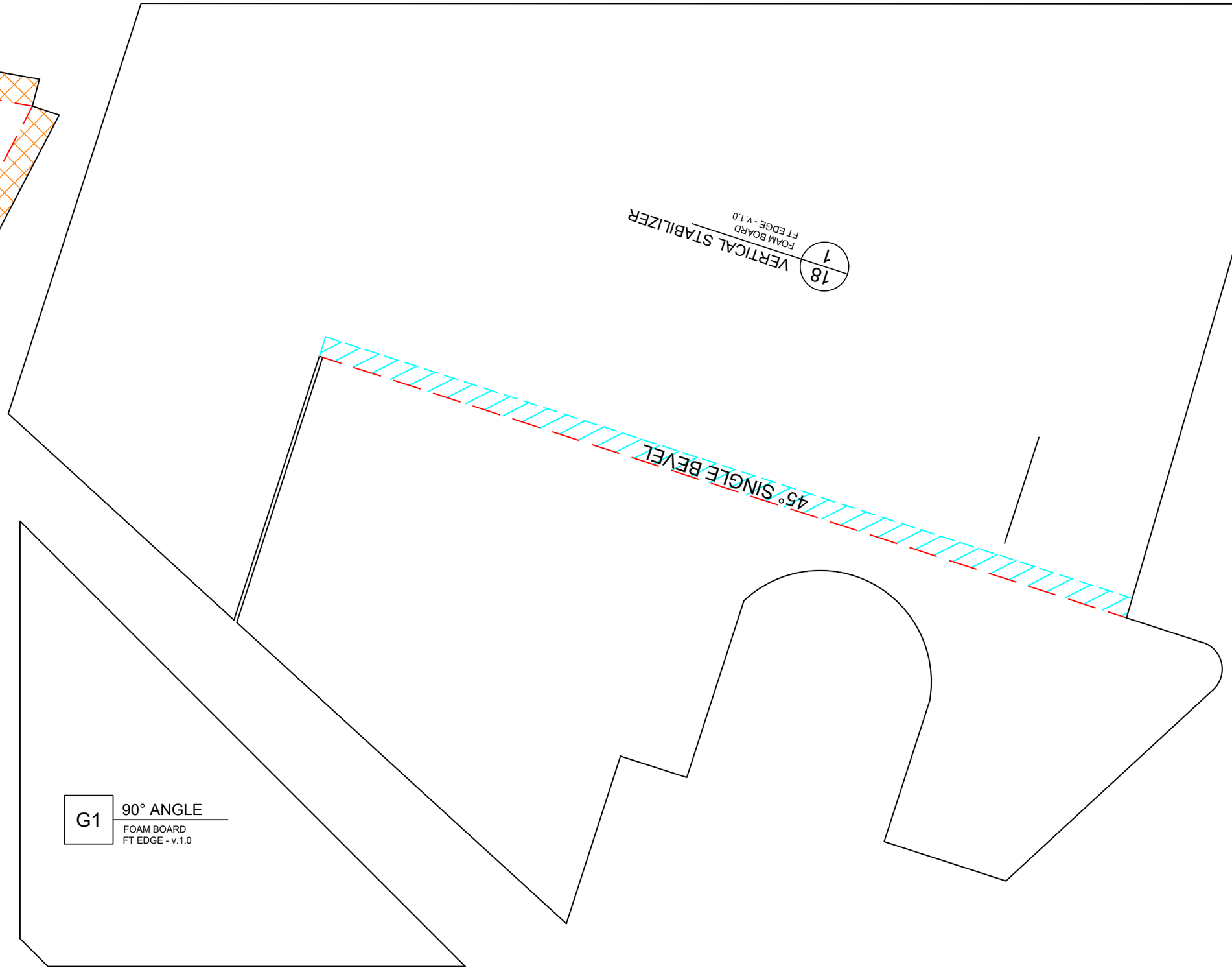
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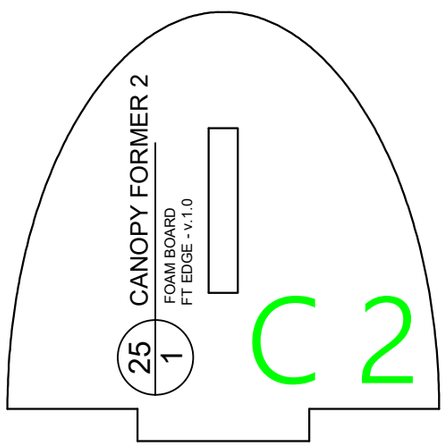


FT EDGE v.1.0
TILE-B3

IN
CM





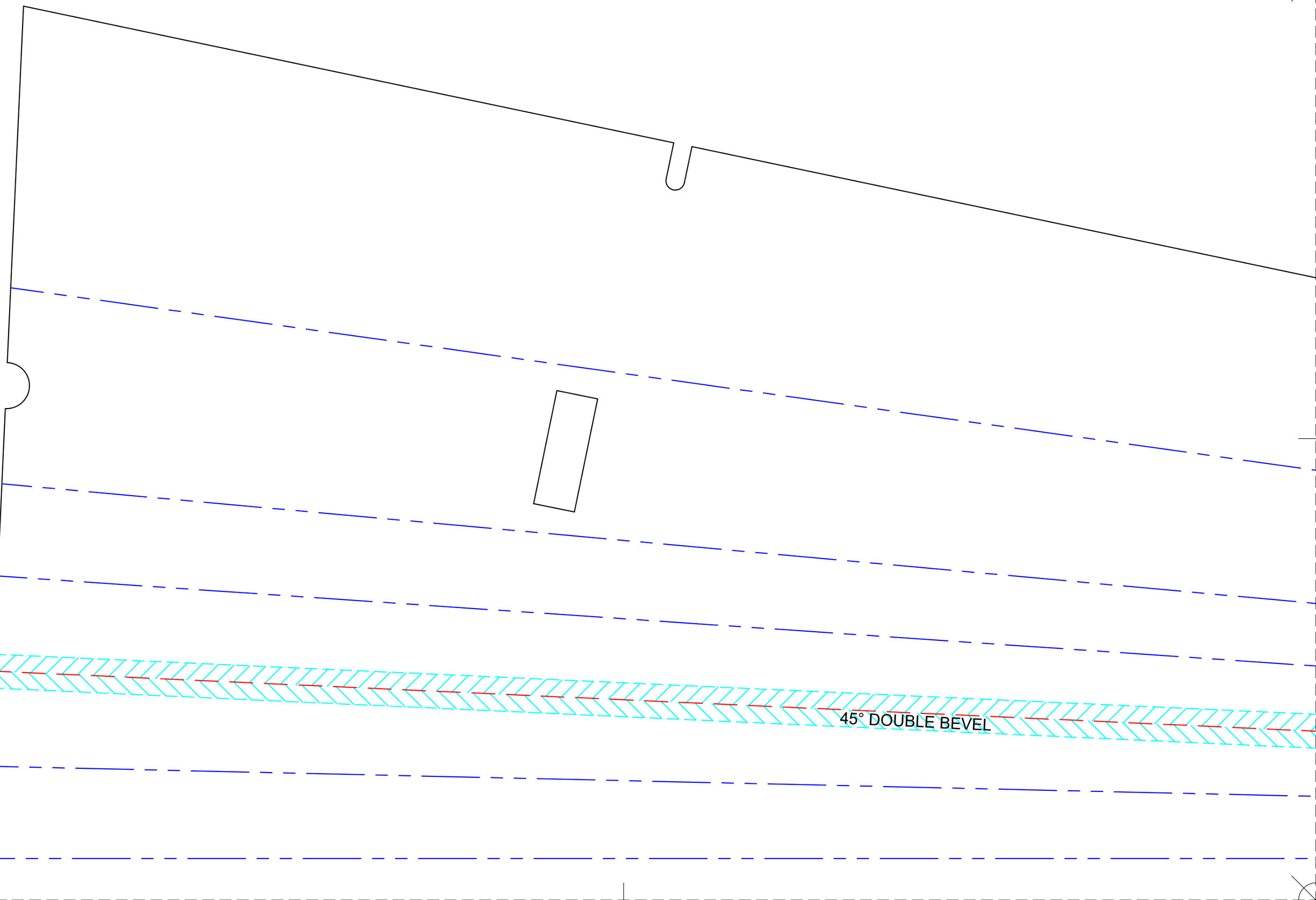


FT EDGE v.1.0
TILE-B4

IN
CM

FT EDGE v.1.0
TILE-B5

IN
CM



IN
CM

C 1

C 2

26
1
CANOPY FORMER SUPPORT
FOAM BOARD
FT EDGE - v.1.0

34
1
SIDE FORCE GENERATOR
FOAM BOARD
FT EDGE - v.1.0

34
1
SIDE FORCE GENERATOR
FOAM BOARD
FT EDGE - v.1.0

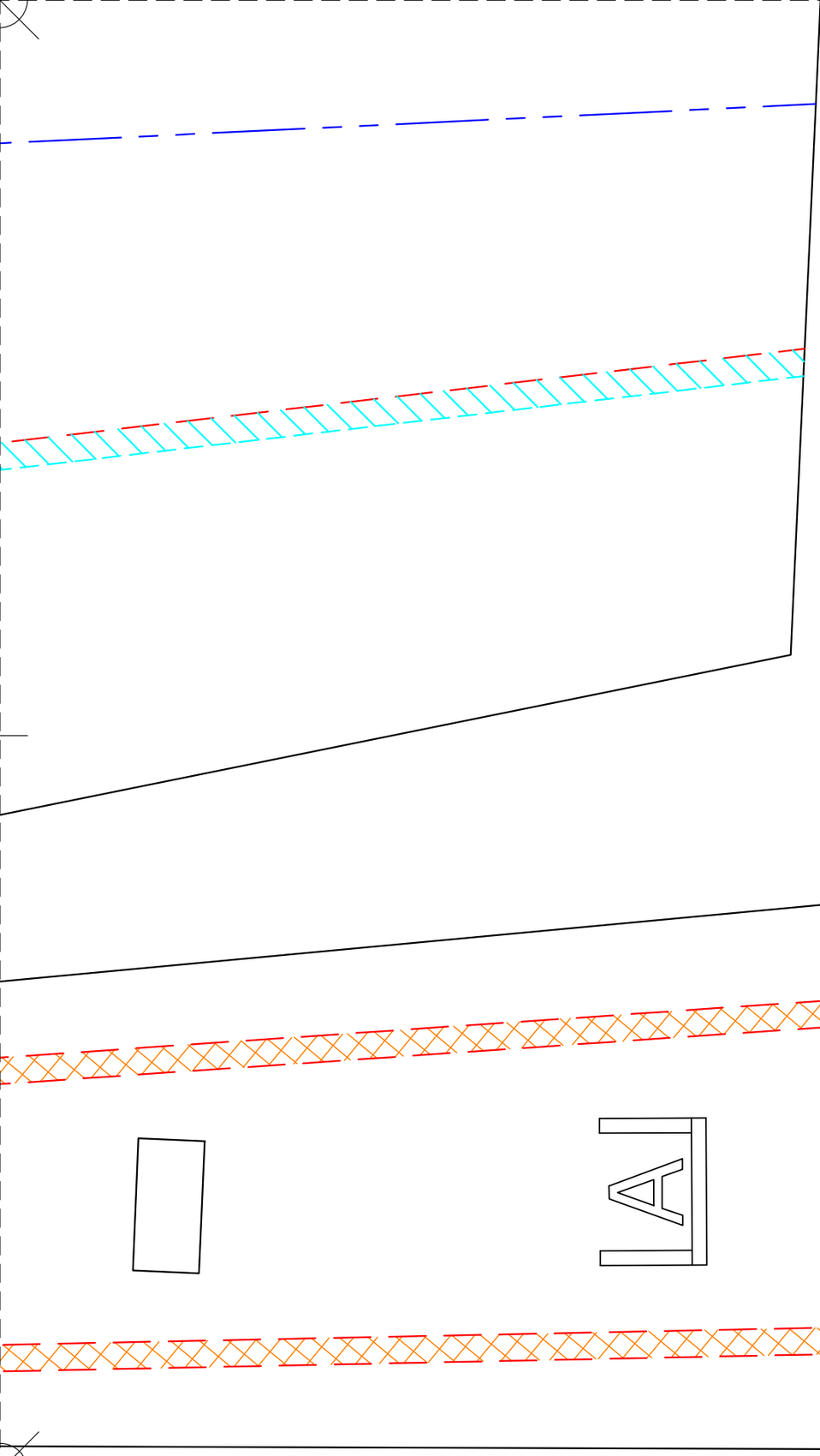
30
1
LEFT WING PANEL
FOAM BOARD
FT EDGE - v.1.0

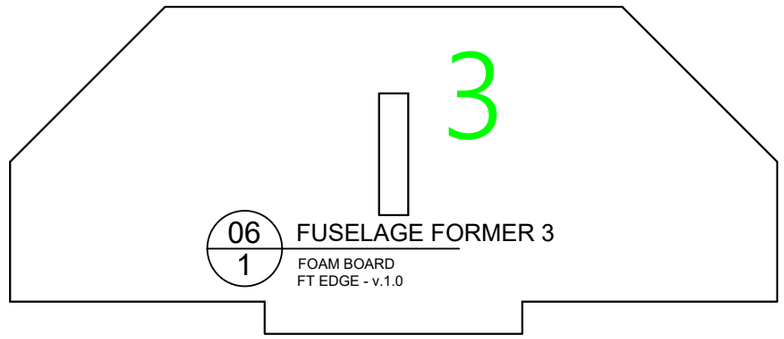
45° SINGLE BEVEL

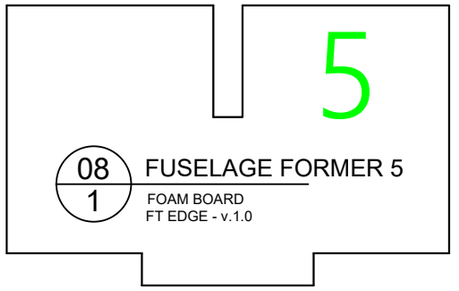
31
1
LEFT WING SPAR
FOAM BOARD
FT EDGE - v.1.0

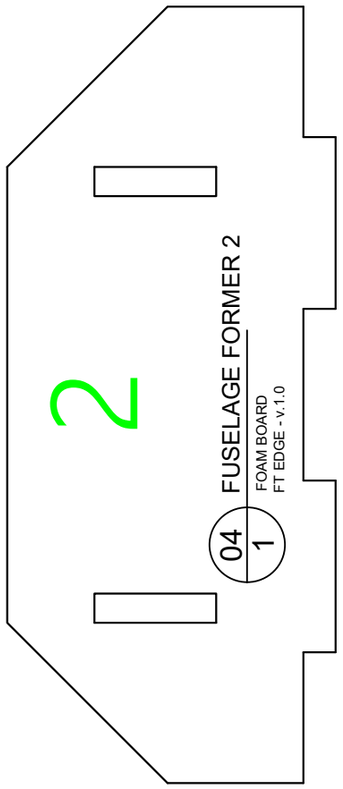
FT EDGE v.1.0
TILE-B7

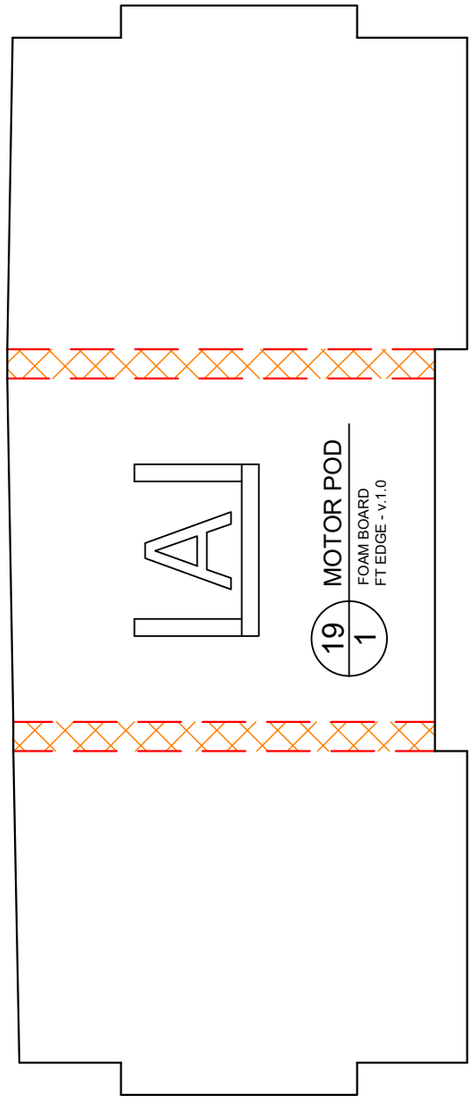
IN
CM











FT EDGE v.1.0
TILE-B8

IN
CM

IN
CM

41
1
LANDING GEAR FAIRING RIGHT
FOAM BOARD
FT EDGE - v.1.0

40
1
LANDING GEAR FAIRING LEFT
FOAM BOARD
FT EDGE - v.1.0

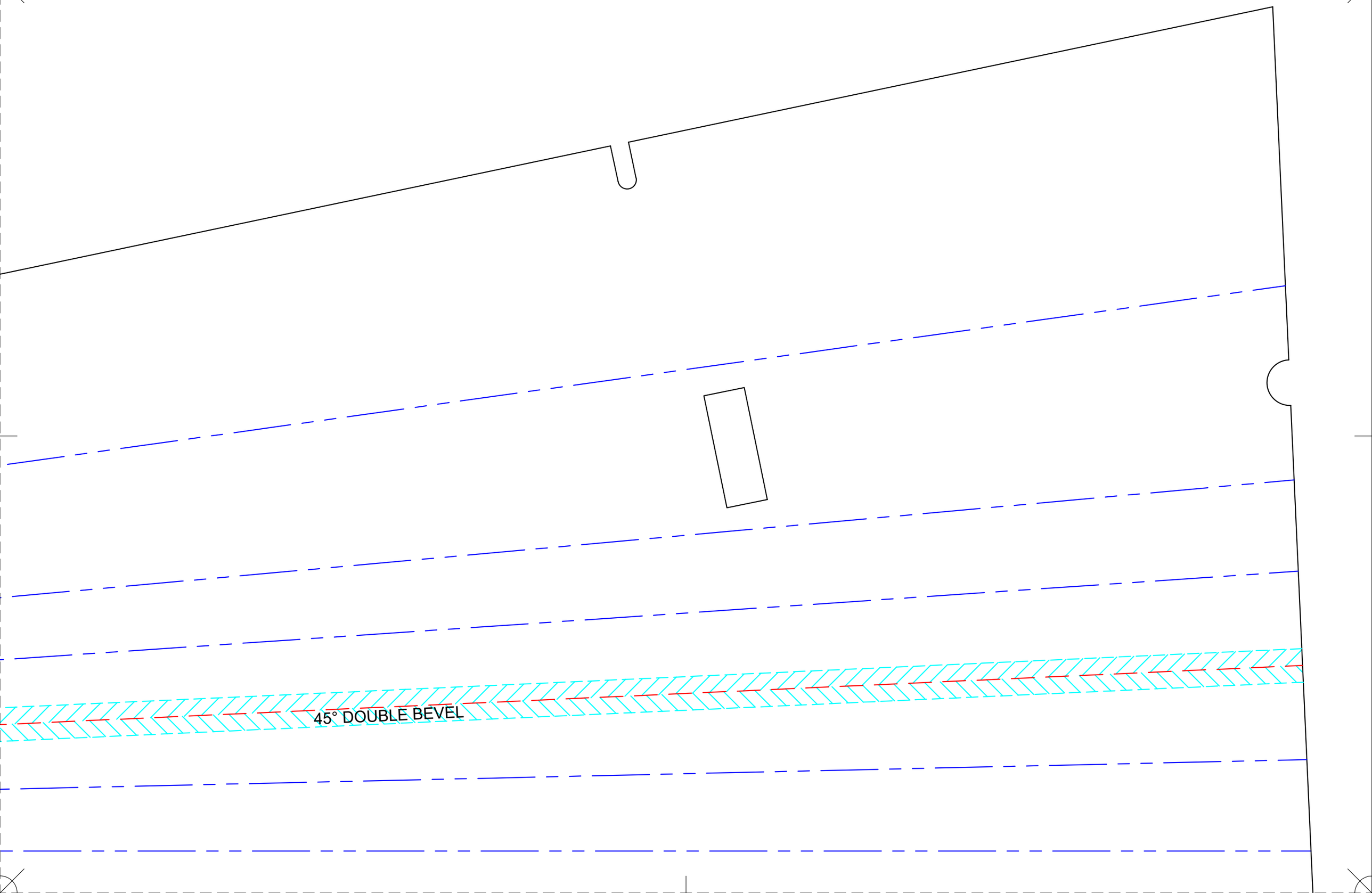
39
1
LANDING GEAR DOUBLER
FOAM BOARD
FT EDGE - v.1.0

5

FT EDGE v.1.0
TILE-B9

FT EDGE v.1.0
TILE-B10

IN
CM



05
1
INTERNAL FUSELAGE STRINGER
FOAM BOARD
FT EDGE - v.1.0

14
1
TURTLE DECK FORMER 1 SUPPORT
FOAM BOARD
FT EDGE - v.1.0

24
1
CANOPY FORMER 1
FOAM BOARD
FT EDGE - v.1.0

4

C 1

3

FT EDGE v.1.0
TILE-B11

IN
CM

32
1
RIGHT WING PANEL
FOAM BOARD
FT EDGE - v.1.0

45° SINGLE BEVEL

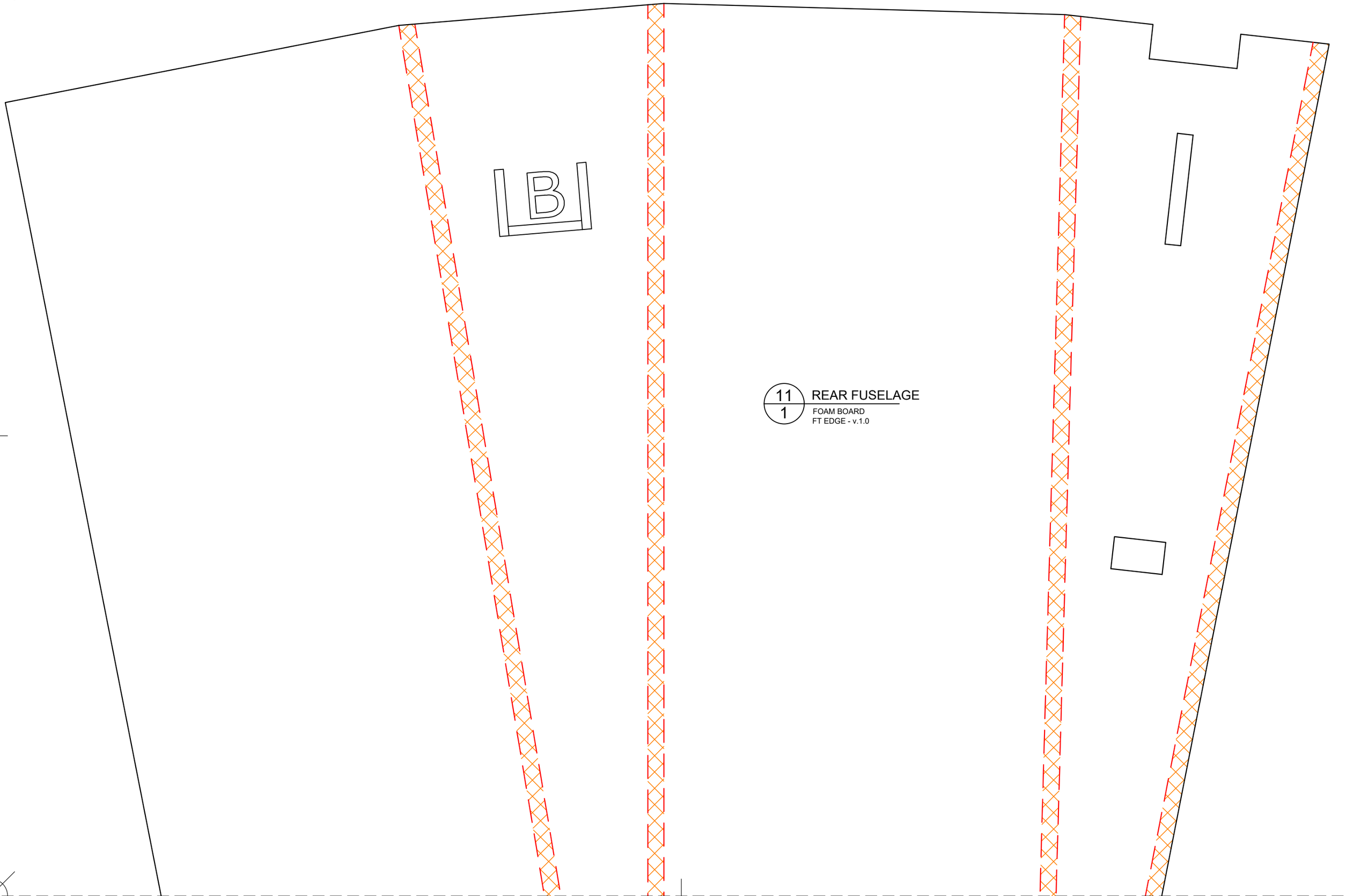
33
1
RIGHT WING SPAR
FOAM BOARD
FT EDGE - v.1.0

FT EDGE v.1.0
TILE-B12

IN
CM

FT EDGE v.1.0
TILE-B13

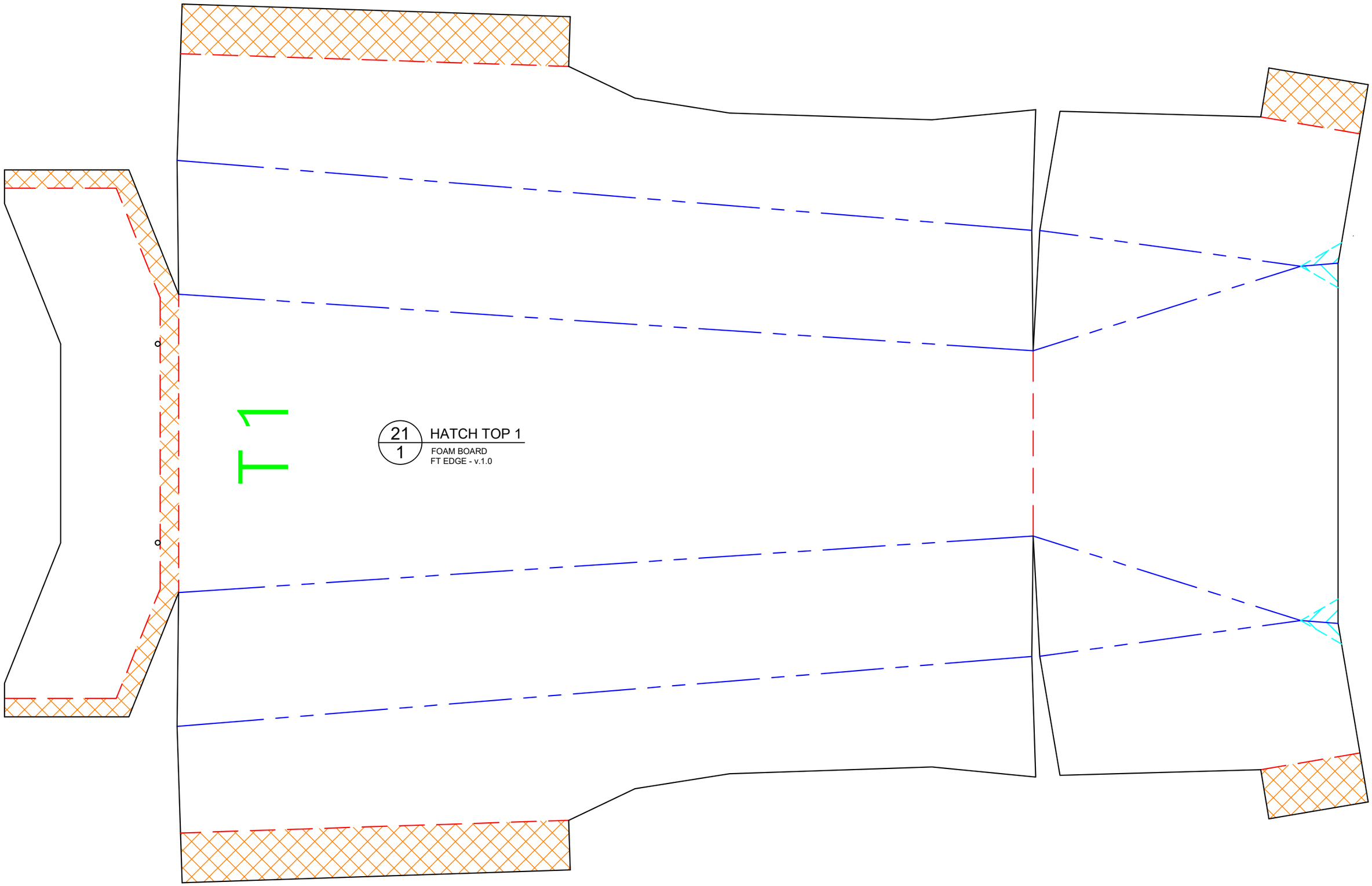
IN
CM



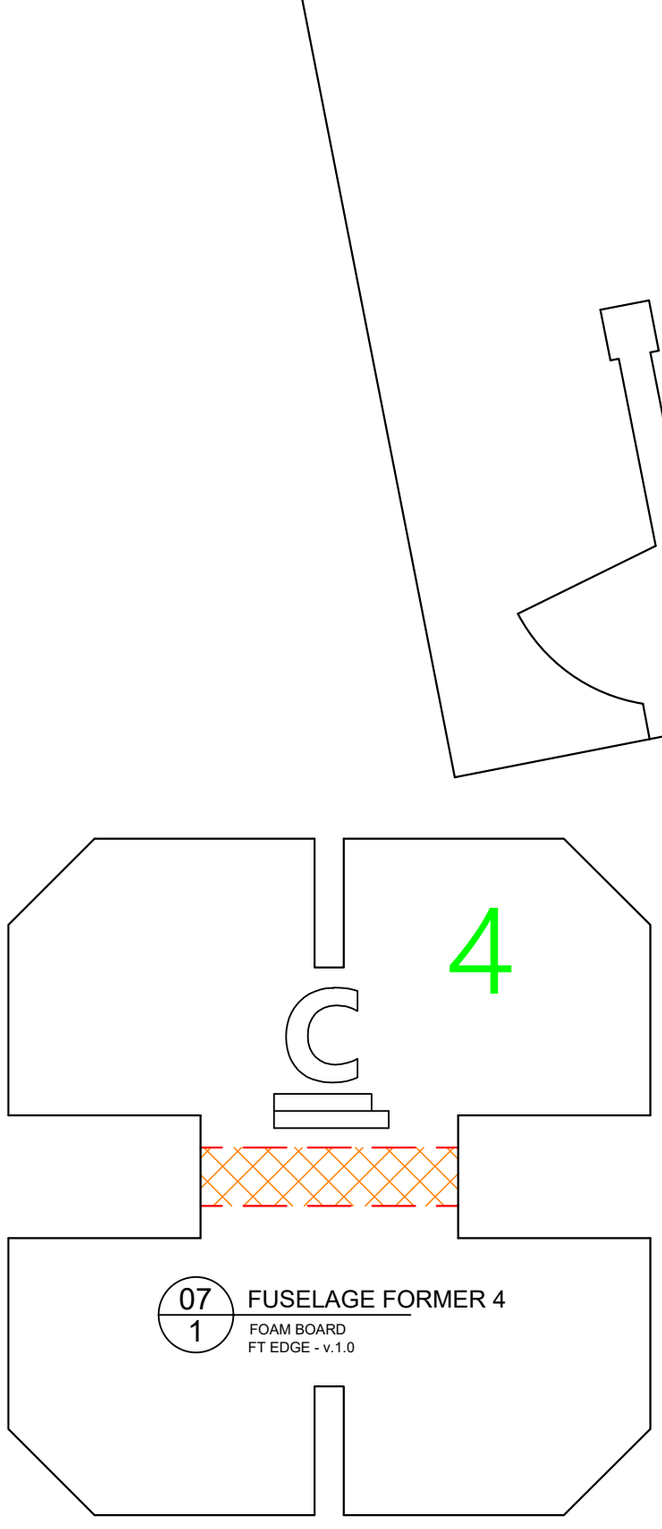
11/1 REAR FUSELAGE
FOAM BOARD
FT EDGE - v.1.0

FT EDGE v.1.0
TILE-B14

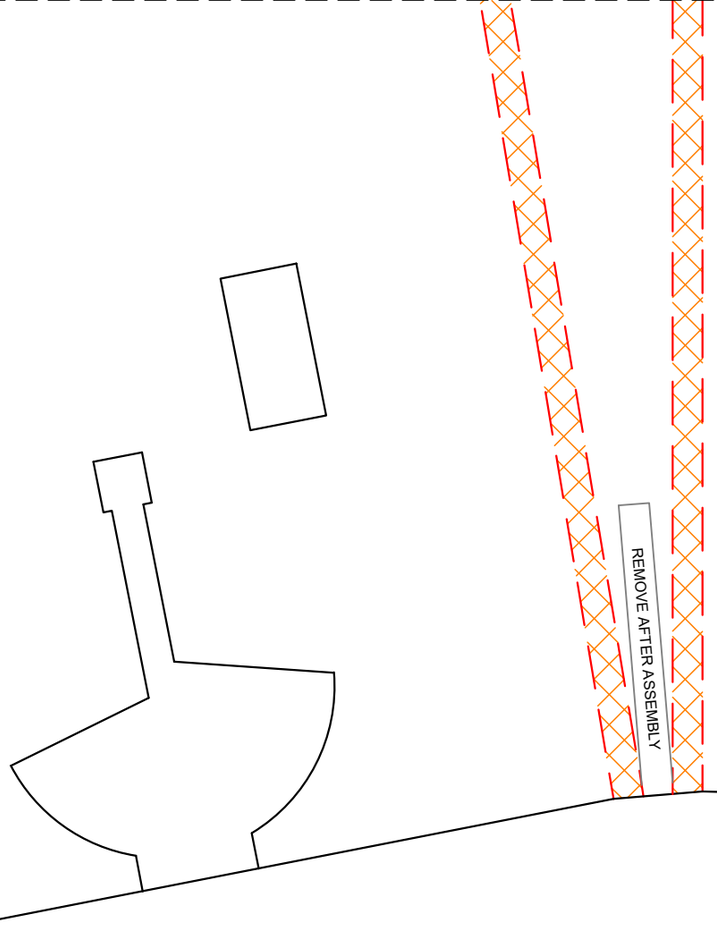
IN
CM

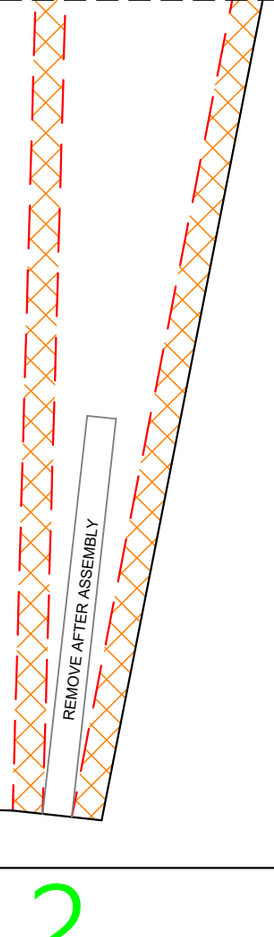


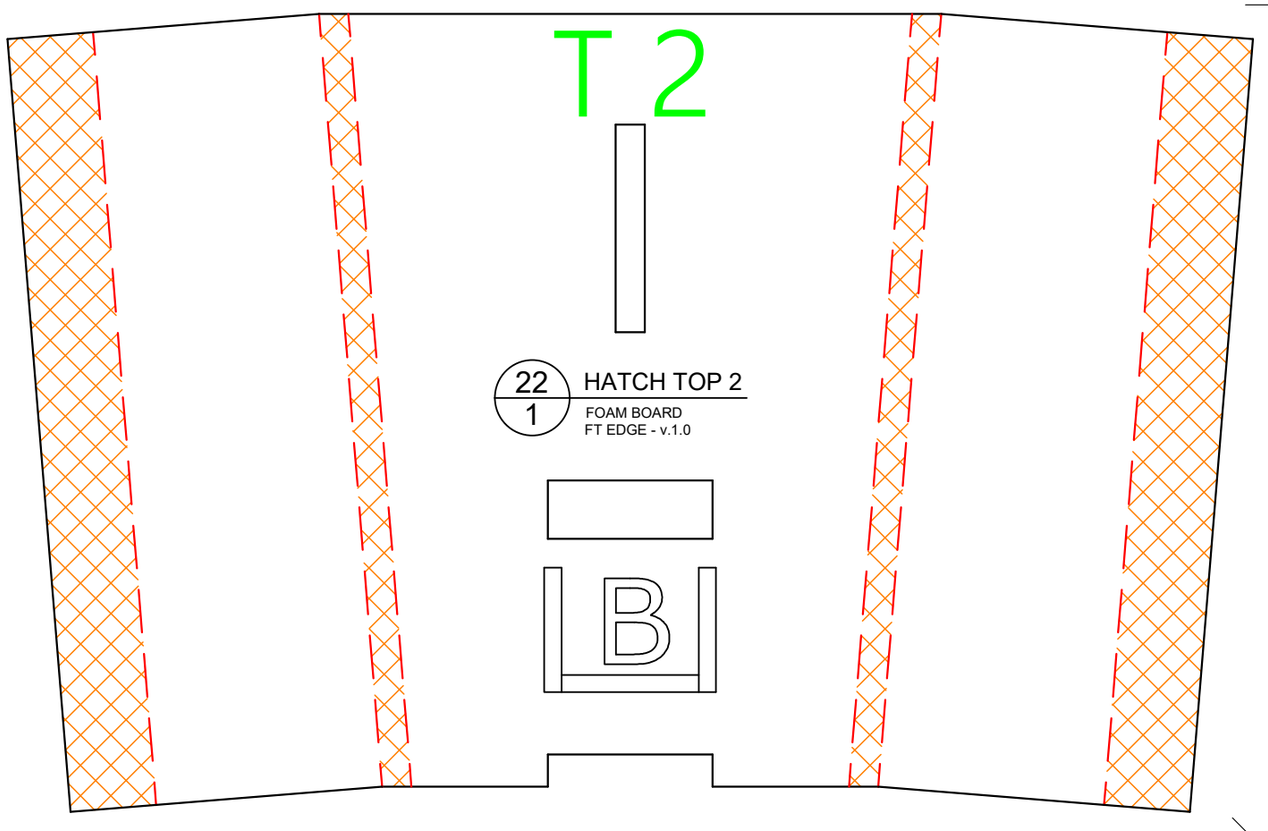
21/1 HATCH TOP 1
FOAM BOARD
FT EDGE - v.1.0



07
1
FUSELAGE FORMER 4
FOAM BOARD
FT EDGE - v.1.0

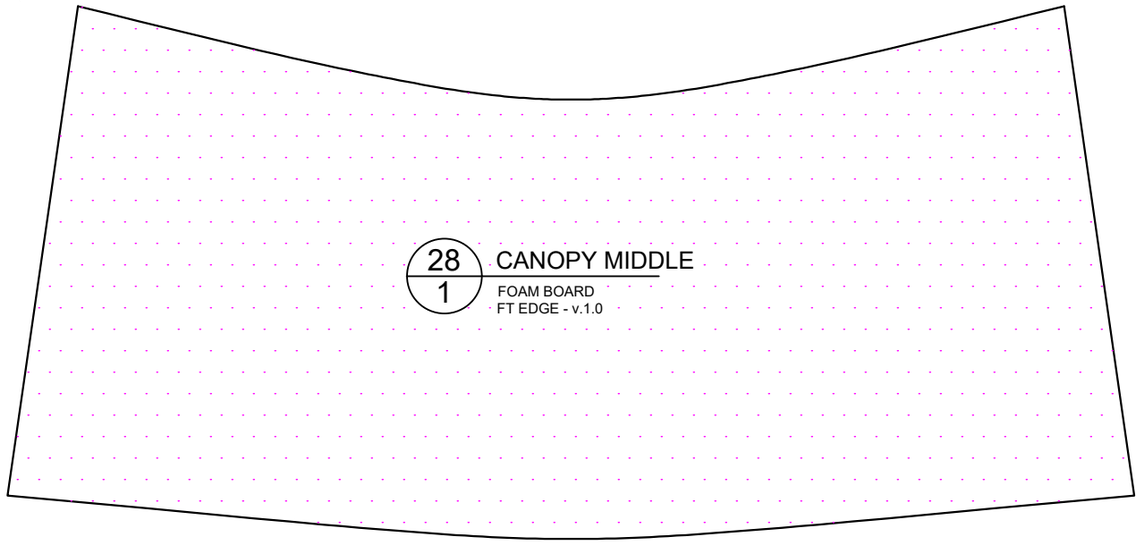




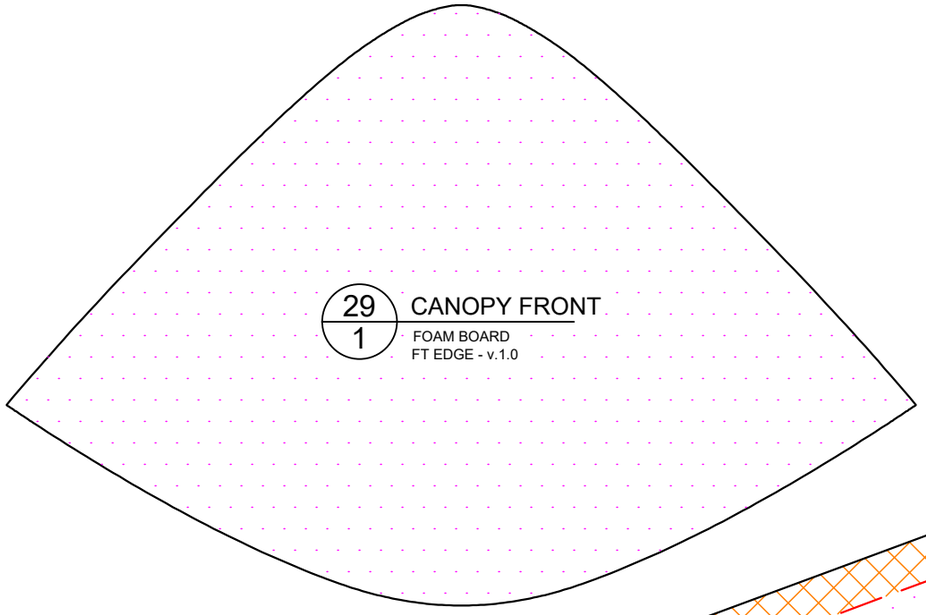


22
1
HATCH TOP 2
FOAM BOARD
FT EDGE - v.1.0

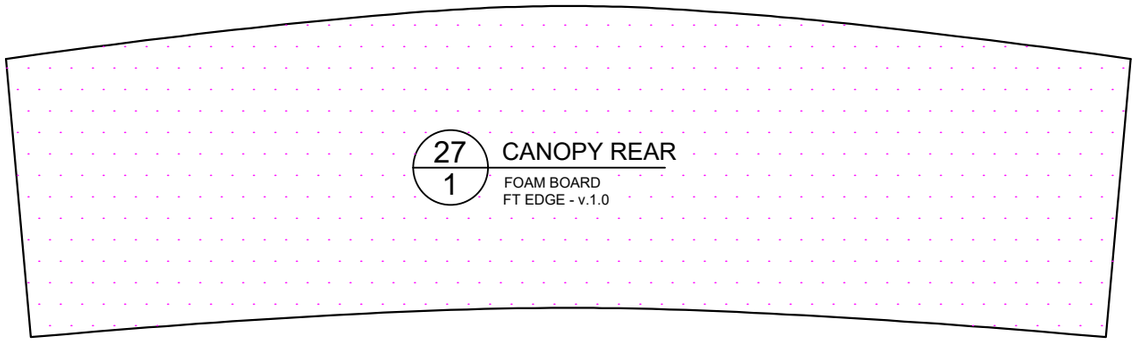
IN
CM



28
1
CANOPY MIDDLE
FOAM BOARD
FT EDGE - v.1.0



29
1
CANOPY FRONT
FOAM BOARD
FT EDGE - v.1.0



27
1
CANOPY REAR
FOAM BOARD
FT EDGE - v.1.0

16
1
TURTLE DECK
FOAM BOARD
FT EDGE - v.1.0

FT EDGE v.1.0
TILE-B16

IN
CM

FT EDGE v.1.0
TILE-B17

B 2

10/1 FUSELAGE BOTTOM 2
FOAM BOARD
FT EDGE - v.1.0

02/2 FUSELAGE FORMER SUPPORT
FOAM BOARD
FT EDGE - v.1.0

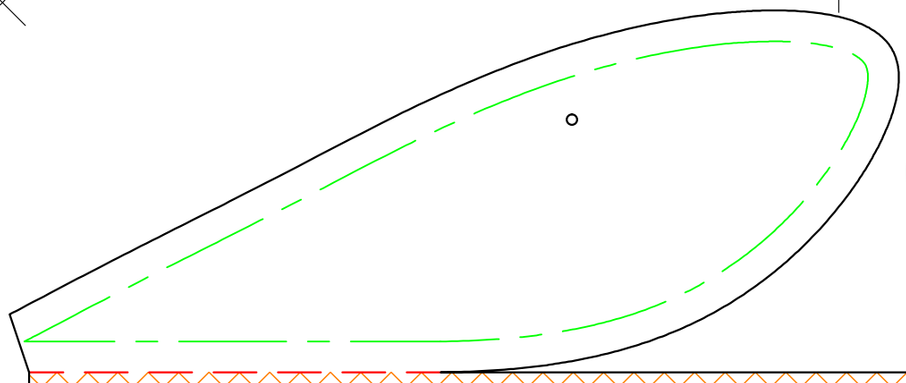
FORWARD

02/2 FUSELAGE FORMER SUPPORT
FOAM BOARD
FT EDGE - v.1.0

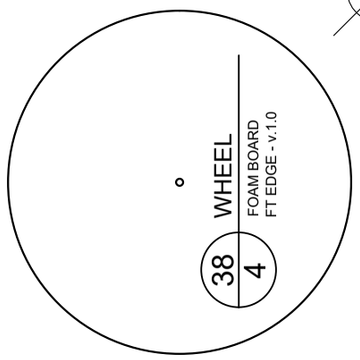
FORWARD

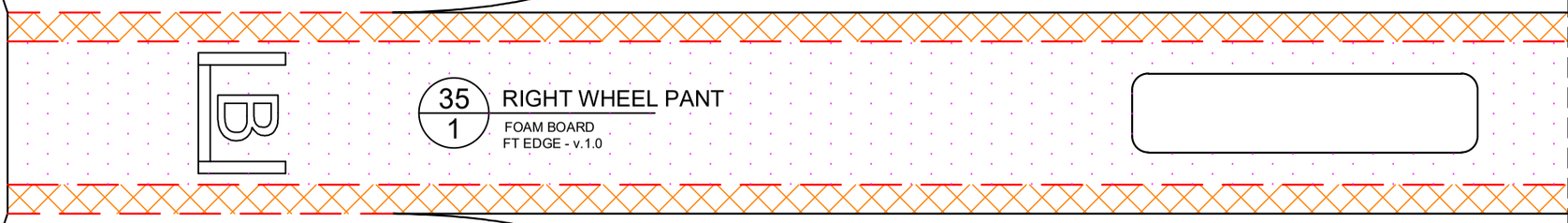
CM IN

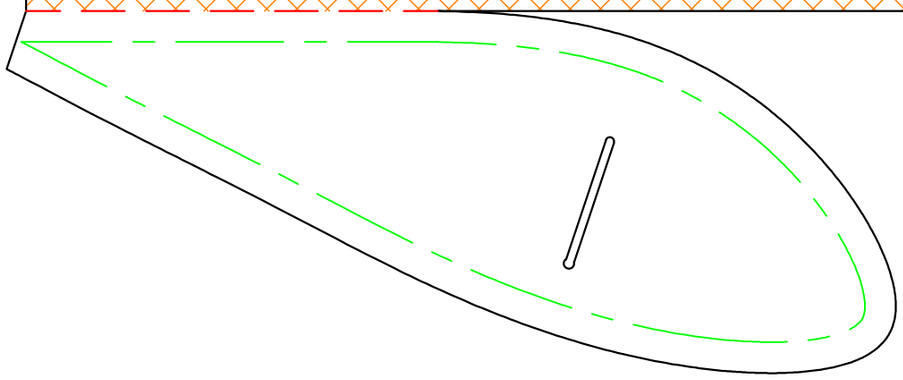
IN
CM

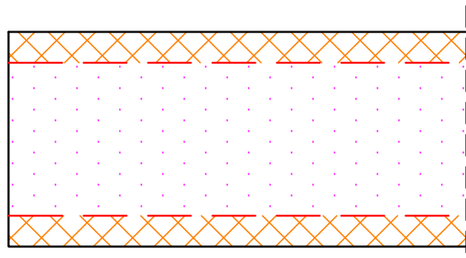


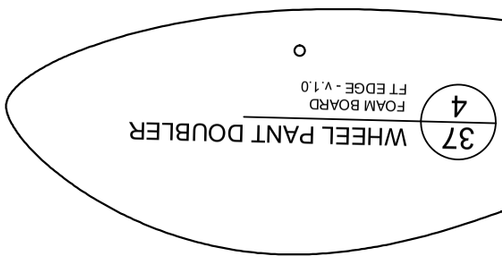


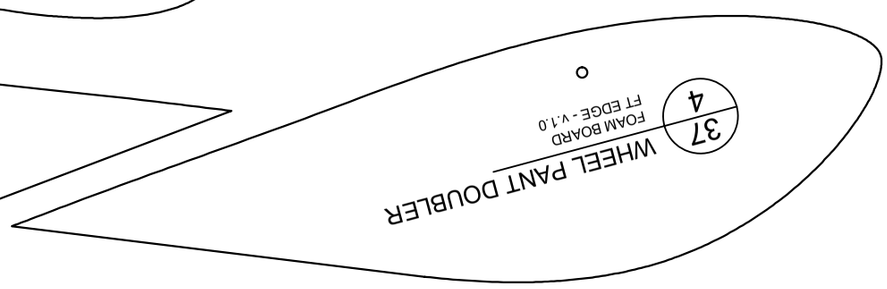


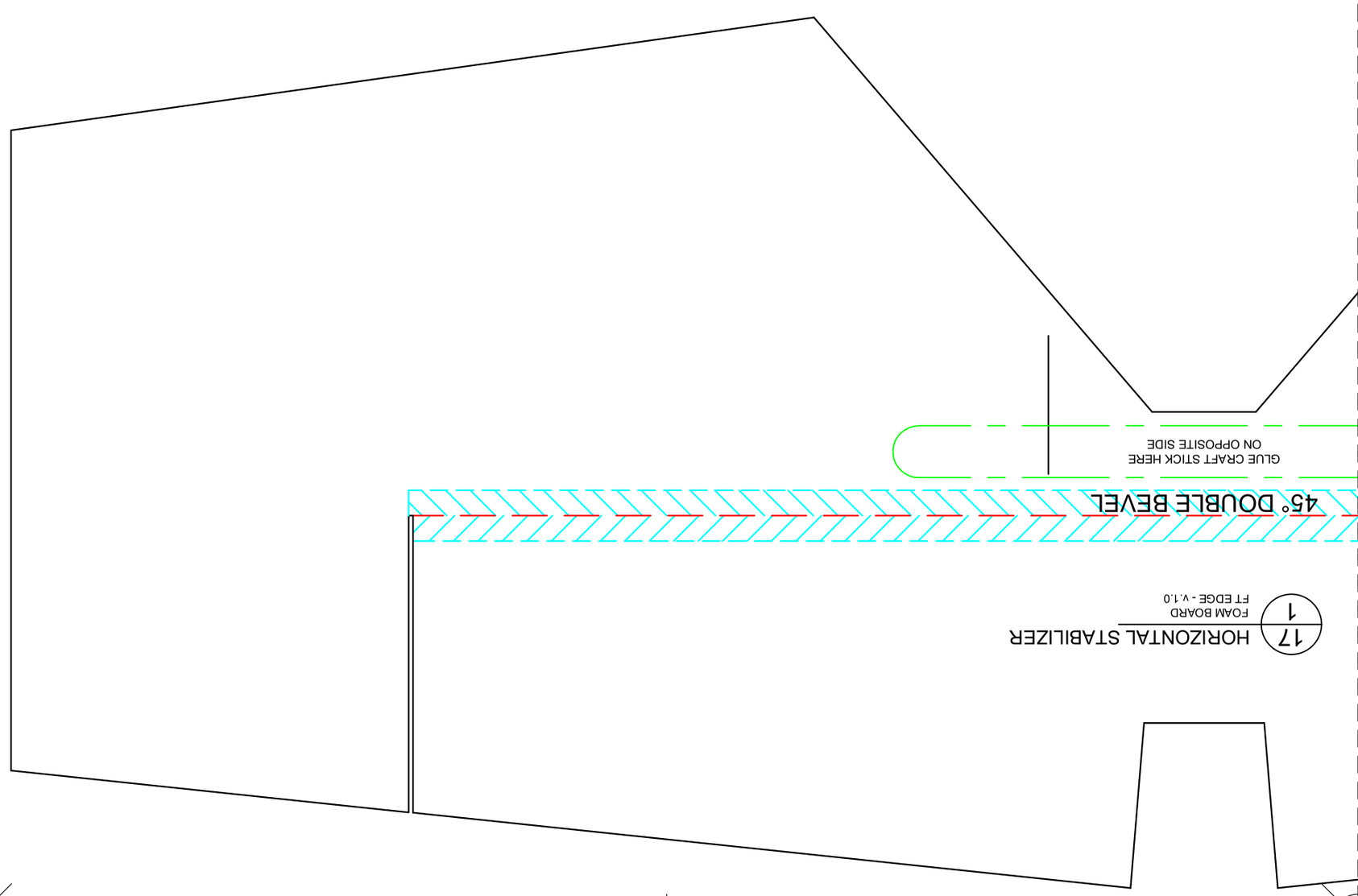












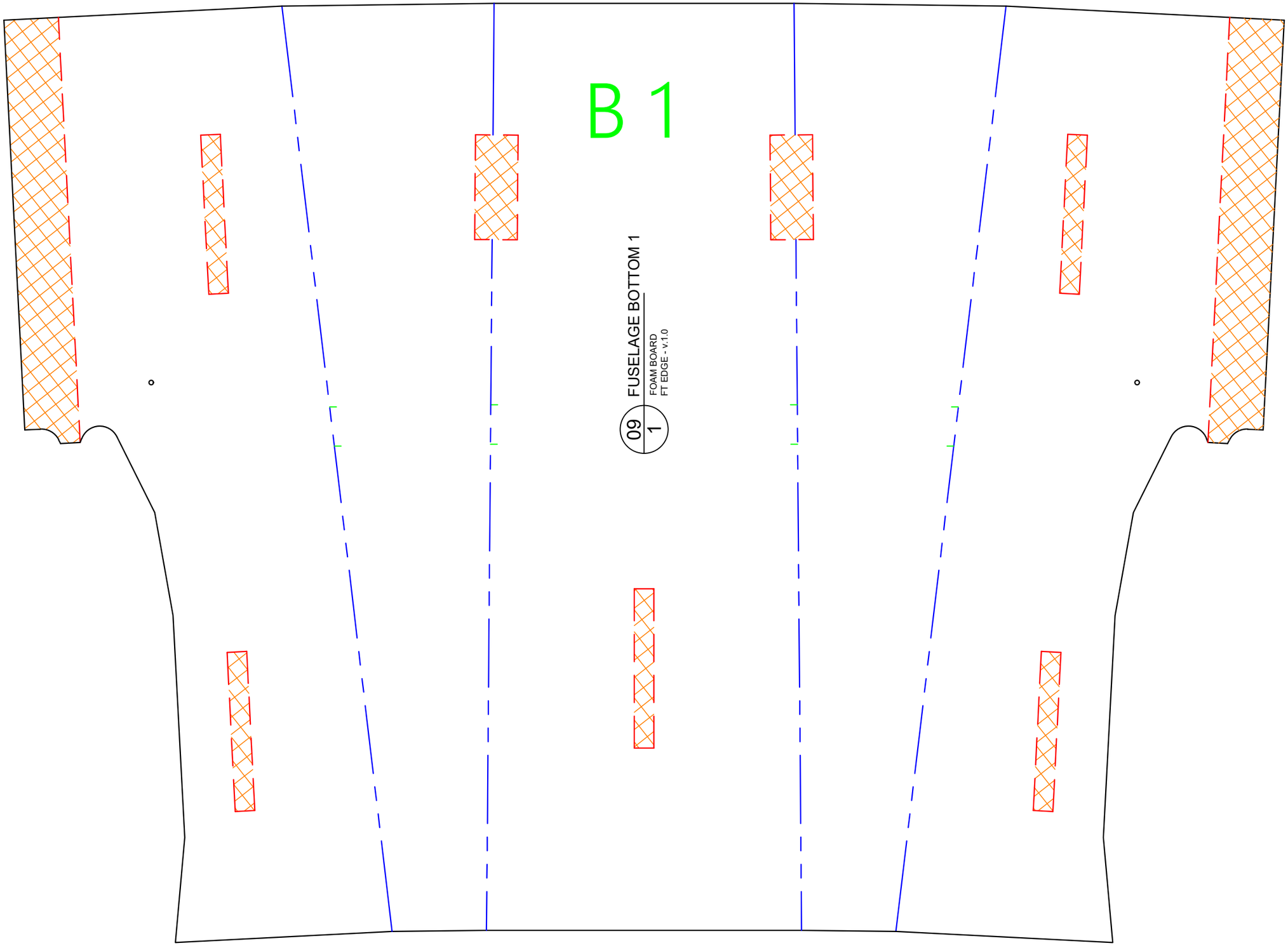
FT EDGE v.1.0
TILE-B18

B 1

09 / 1

FUSELAGE BOTTOM 1

FOAM BOARD
FT EDGE - v.1.0



FT EDGE v.1.0
TILE-B19

IN
CM

38/4 WHEEL
FOAM BOARD
FT EDGE - v.1.0

38/4 WHEEL
FOAM BOARD
FT EDGE - v.1.0

36/1 LEFT WHEEL PANT
FOAM BOARD
FT EDGE - v.1.0

37/4 WHEEL PANT DOUBLER
FOAM BOARD
FT EDGE - v.1.0

37/4 WHEEL PANT DOUBLER
FOAM BOARD
FT EDGE - v.1.0

B

FT EDGE v.1.0
TILE-B20

IN
CM