

FOAM, GLUE, TAPE AND A LITTLE IMAGINATION....



(Version 1.0 Shown In Picture)

(RC Model Airplane Construction Plans)

rcFoamFighters

FF-117 (Foam Fighter 117)

(Original Design by Paul Petty - DEC. 2009) (CAD Drawing by Paul Petty - JAN 2010) Basic Template Release Ver. 1.0

FREE PLAN - NOT TO BE SOLD

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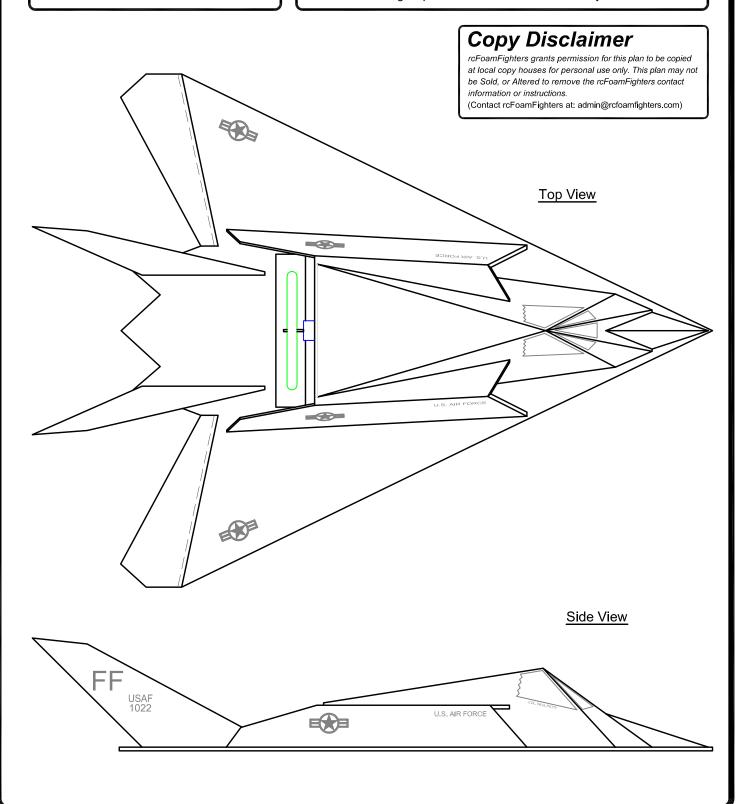
FF-117 (Foam Fighter 117) Basic Template

(Design by Paul Petty -Dec 2009 - Rev 1.0)
(CAD Drawing by Paul Petty - Jan. 2010)
(Basic Template Release 1.0 - Copyright rcFoamFighters)
(Contact rcFoamFighters at: admin@rcfoamfighters.com)
(Please Visit Our Blog at: http://rcfoamfighters.com/blog/

Basic Specs as built by rcFoamFighters:

Wingspan: 26 Inches (66cm) Length: 34.5 Inches (87.6cm) All Up Weight (AUW): 29oz. (882gms) Top Speed: 74mph (119kph)

Note, weight and top speed may vary depending on materials, motor, battery and electronics used. The weight given here is based on the model rcFoamFighters made using Heavy Duty Elmers Brand Foamboard. Using Depron or Fan Fold Foam will surely reduce the AUW.



Recommend Parts:

BASIC SETUP (70+mph)

Motor: Grayson Hobbies "Super Mega Jet" 2550kV Motor (or TURNIGY 2836-2350 motor or other 400+ watt motor)

ESC: 40A Brushless ESC

Prop: APC 6x5.5

Battery: 2200mA (30C recommended) Servos: 2 Each Micro Metal Gear

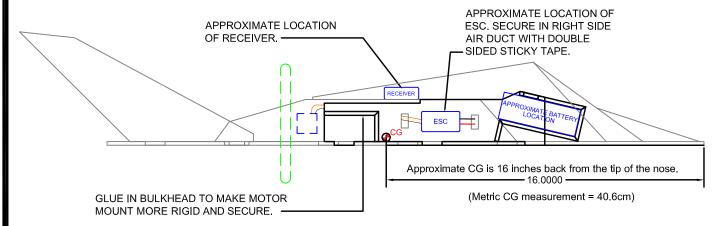
Radio & Receiver: Any 4-channel or better (2.4ghz preferred)

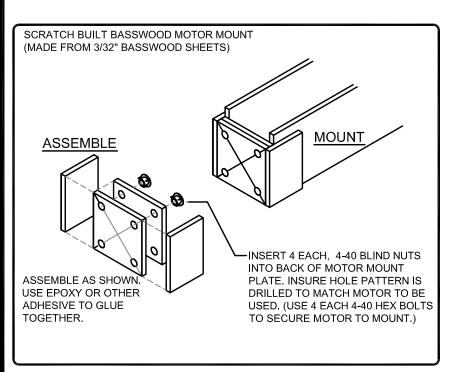
Plane was originally designed to be made from 3 Sheets of 20x30 Foamboard.

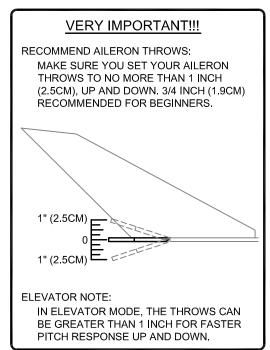
Depron or FanFold Foam with Carbon Spars may be used .

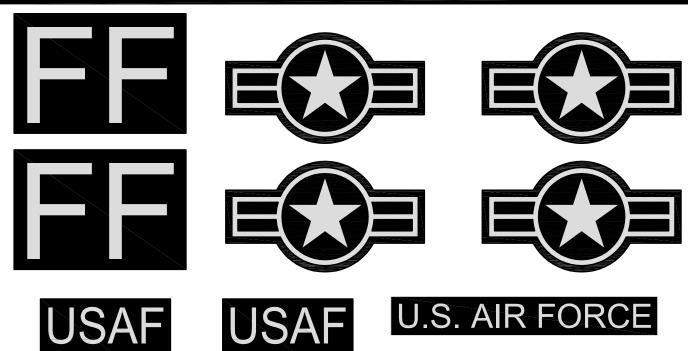
Disclaimer (Please Read):

- This is a design template for a high performance, high speed RC aircraft. This plane should only be built and flown
 by experienced pilots with adequate skill to fly fast, maneuverable planes.
- DO NOT fly this plane where it can endanger people, livestock or property.
- ANY PERSONS DECIDING TO BUILD AND FLY THIS PLANE DOES SO AT HIS/HER OWN RISK.
 RCFOAMFIGHTERS ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF THIS PLANE.
- This plane should only be launched via the side launch method. Do not attempt to launch from the top or bottom of the fuselage. Doing so can cause bodily harm if any hand or body part comes into contact with the fast spinning propeller.
- All minors should fly under the supervision of an adult or guardian.

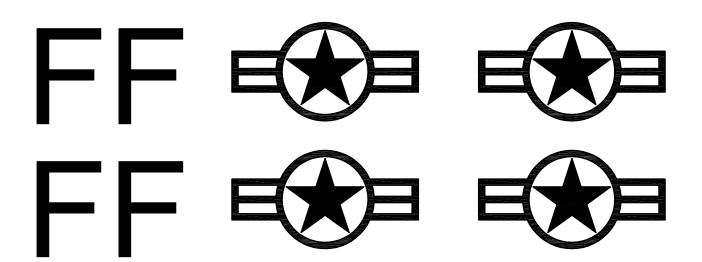








U.S. AIR FORCE



USAF 1022

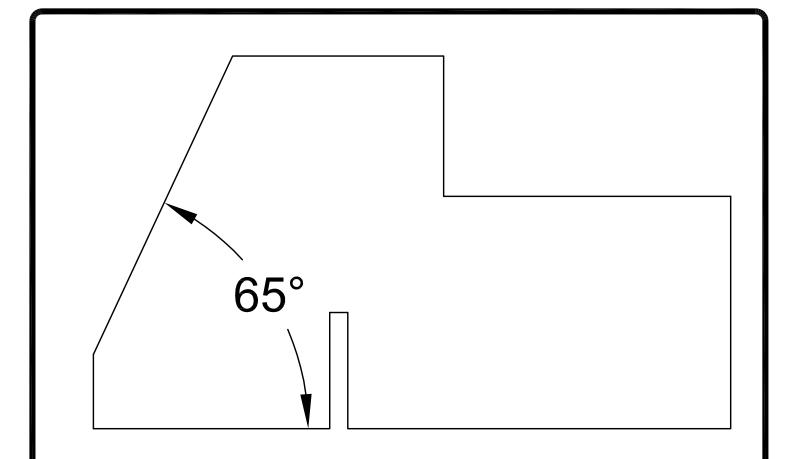
USAF 1022

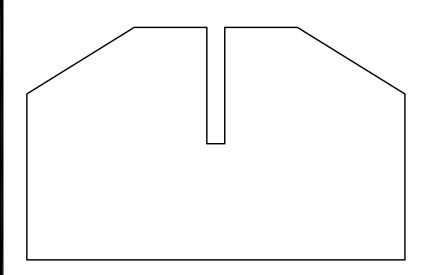
U.S. AIR FORCE

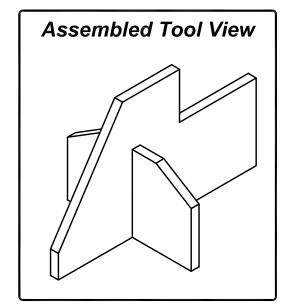
U.S. AIR FORCE

DECALS

These decals can be printed and taped to the plane using clear tape. For best results use photo paper. Top decals are for use on Black tape. Bottom decals are for use with other color schemes.

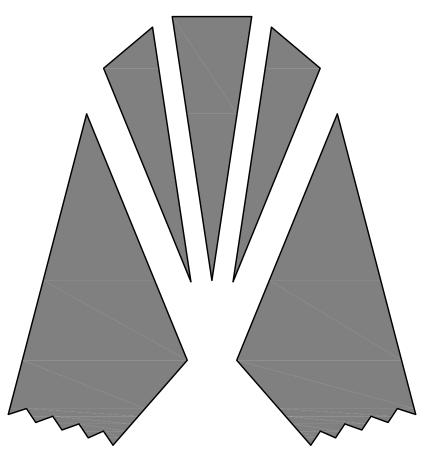






TAIL FIN ANGLE TEMPLATE TOOL

These can be used as patterns to cut out the Tail Fin Angle Template Tool out of Foam Board or other material. Use this tool after assembled to hold the Tail Fins at 65°while your adhesive dries. **FRONT**



BACK

Cockpit Glass Templates

These can be used as patterns to cut the cockpit glass out of SILVER or GOLD tape or other material.

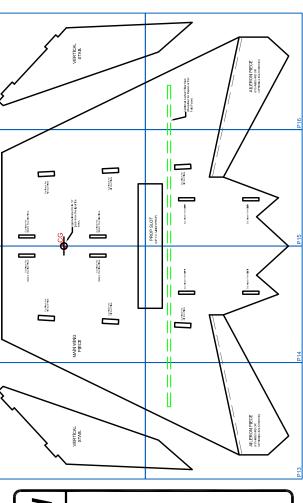
TEMPLATE ASSEMBLY KEY PLAN

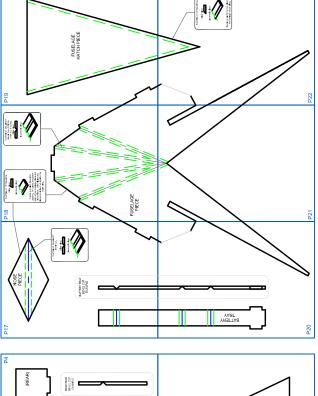
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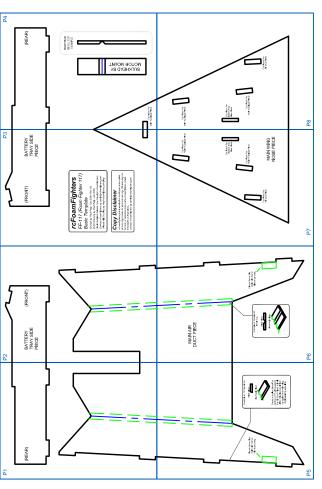
FF-117 (Foam Fighter 117)

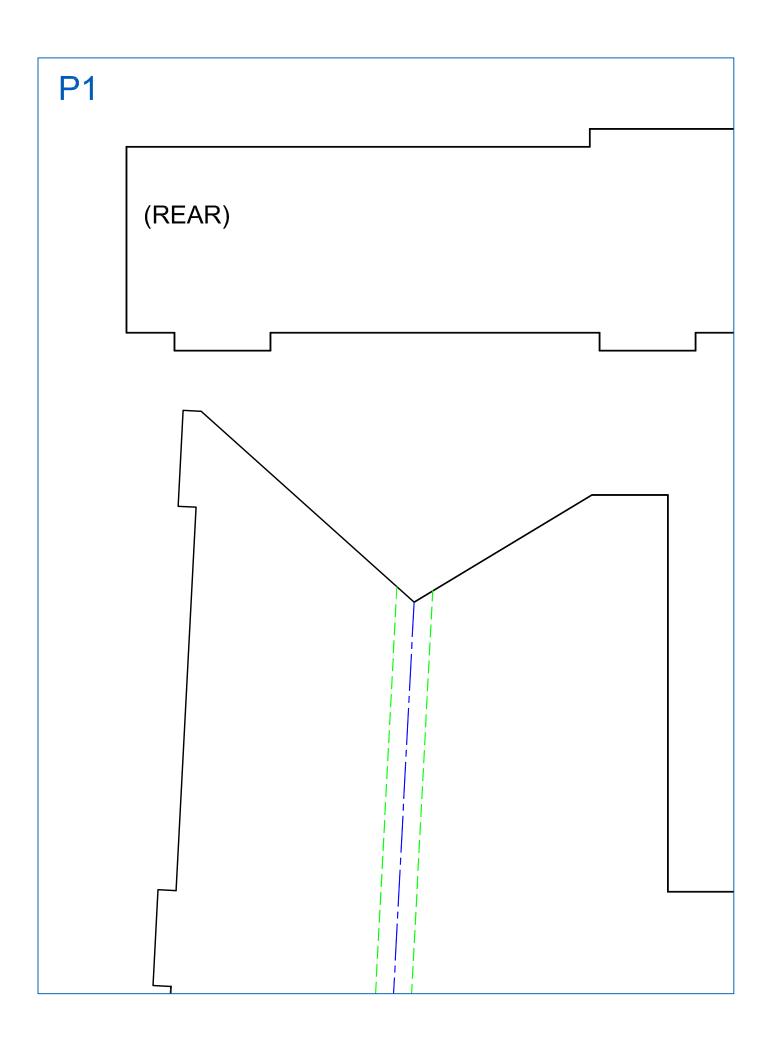
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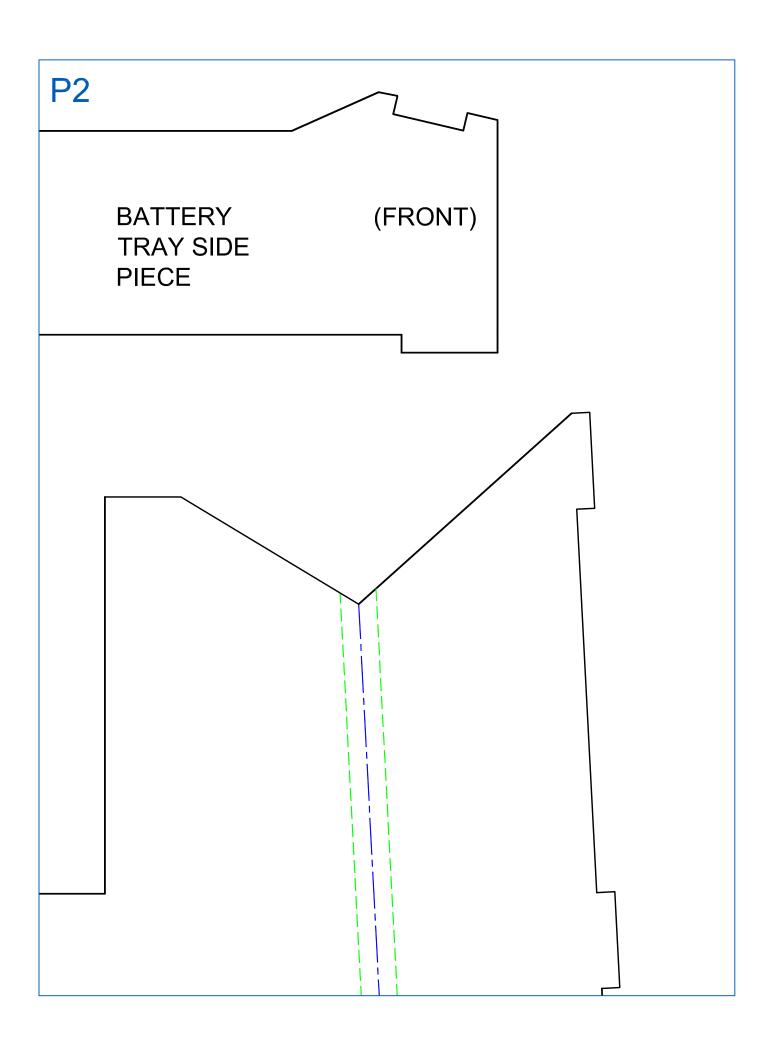
INSTRUCTIONS:
PRINT ALL TEMPLATE SHEETS. CUT AND ASSEMBLE AS SHOWN
BELOW. USE SCOTCH TAPE TO SECURE SHEETS TOGETHER.











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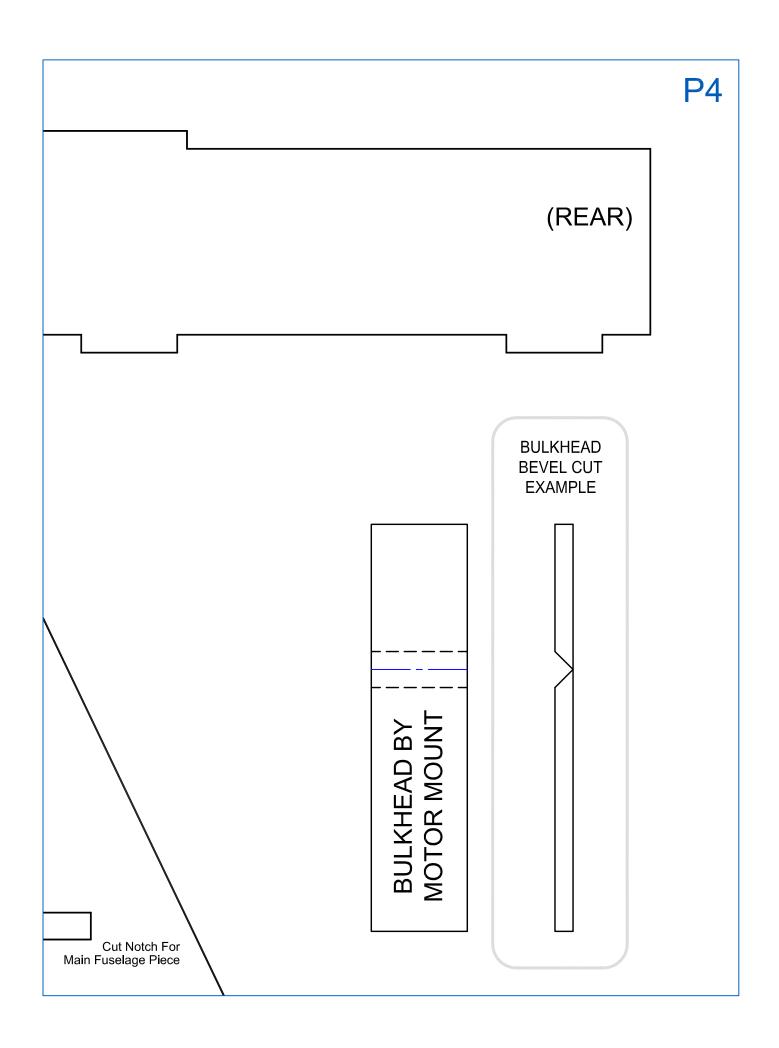
FF-117 (Foam Fighter 117) Basic Template

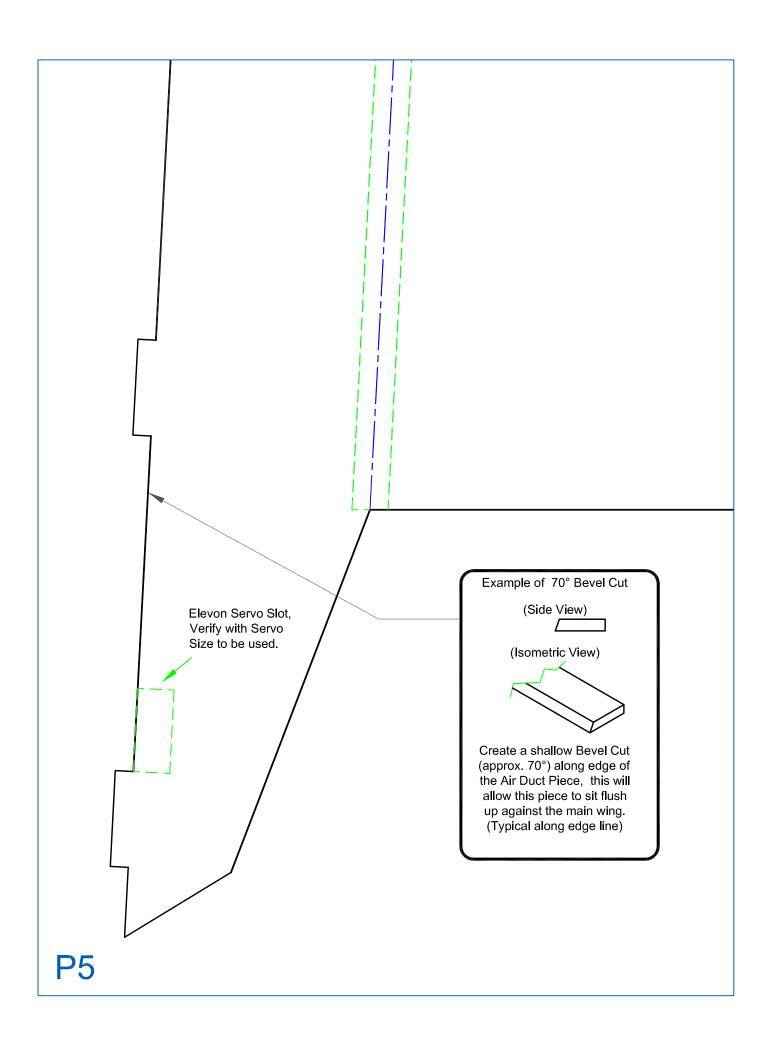
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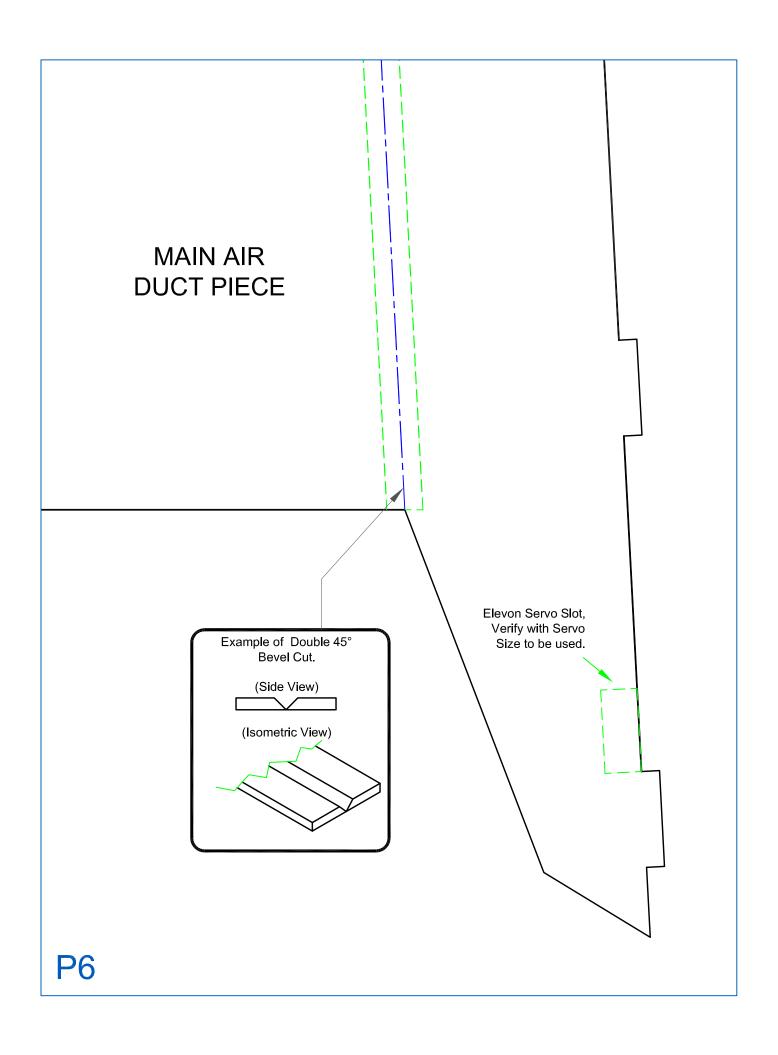
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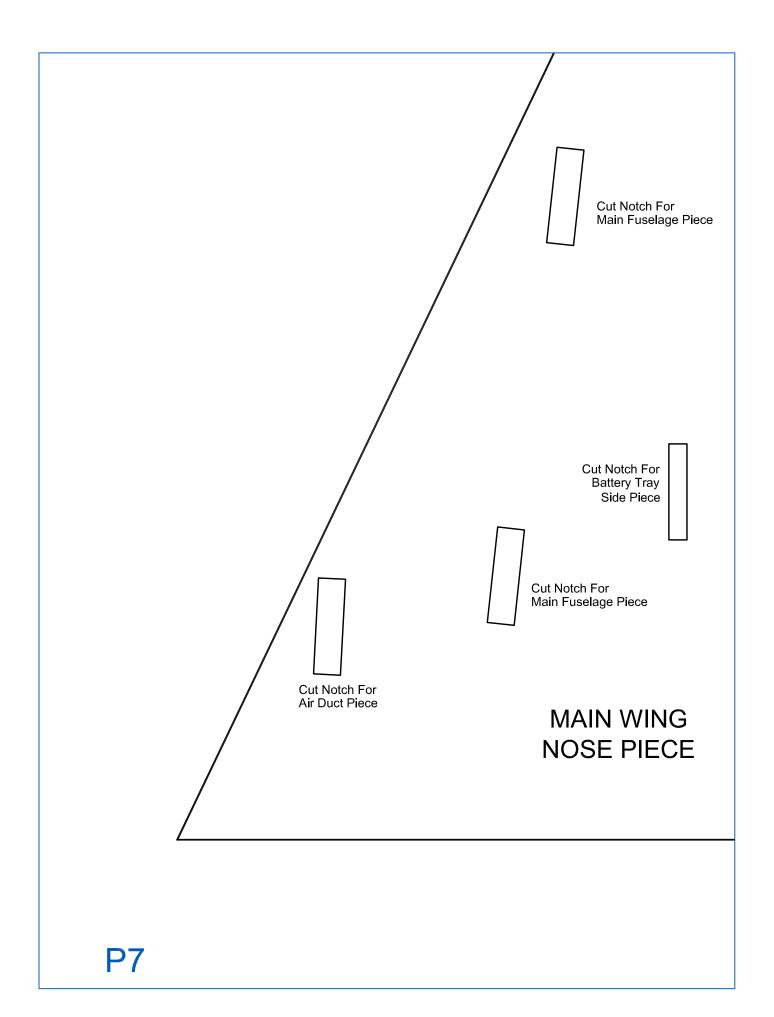
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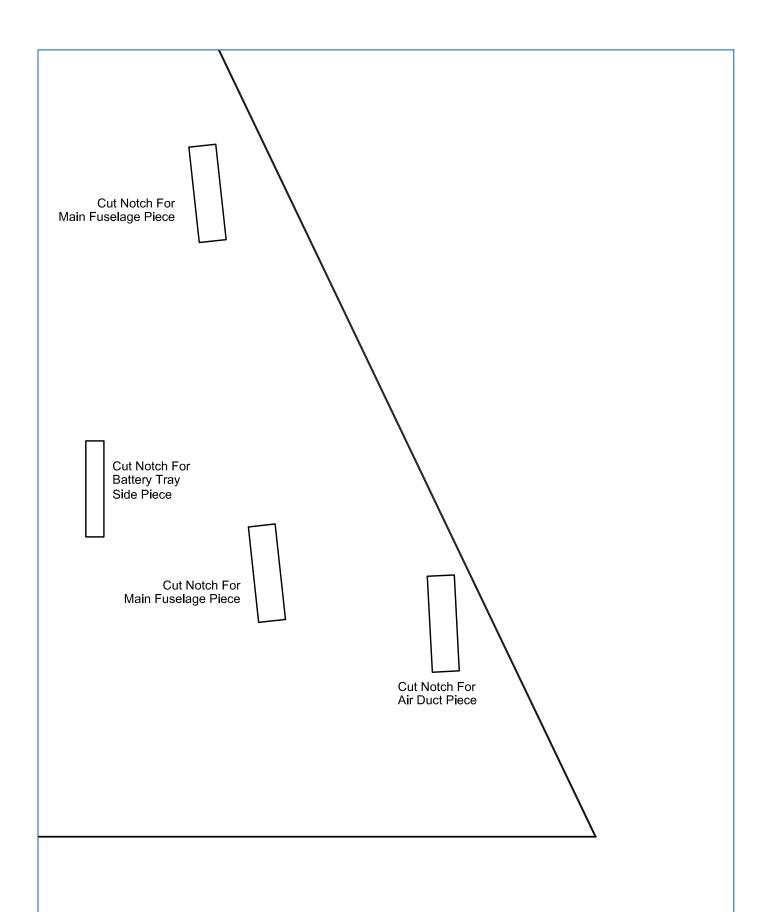
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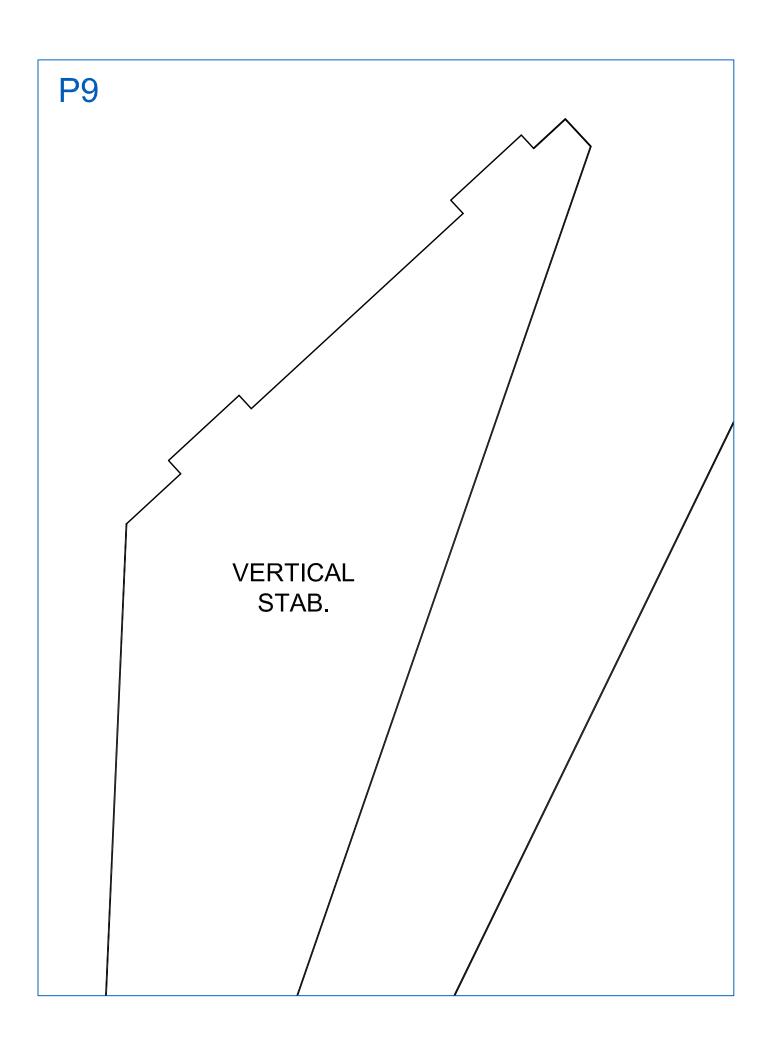


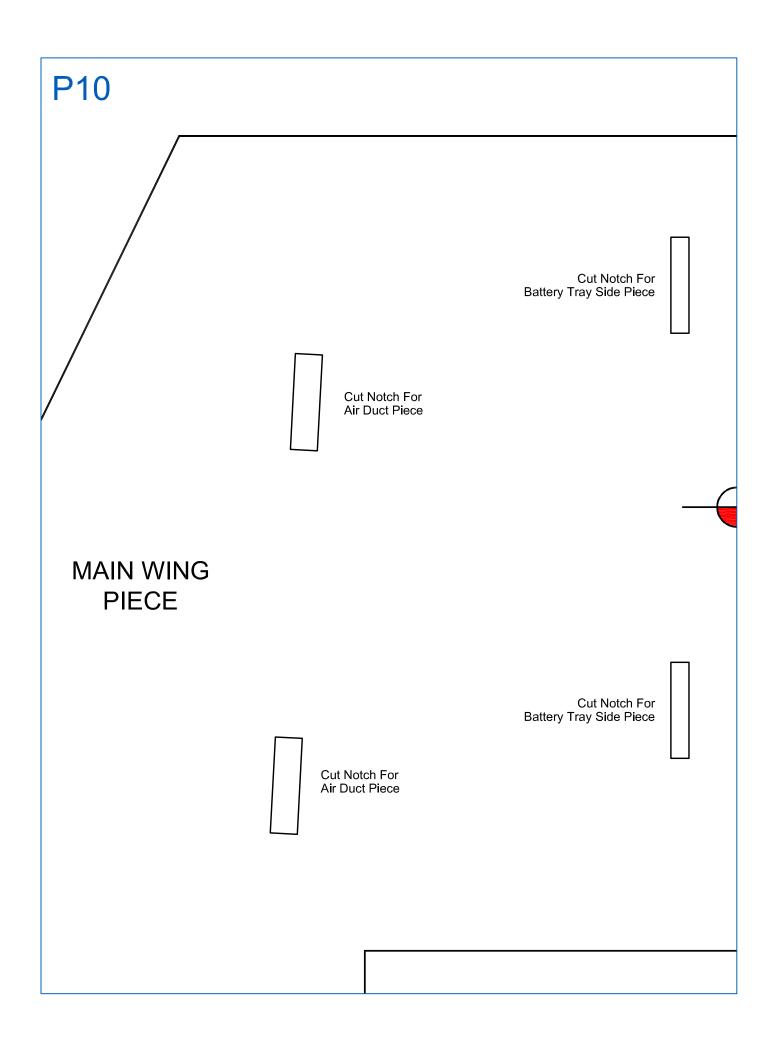




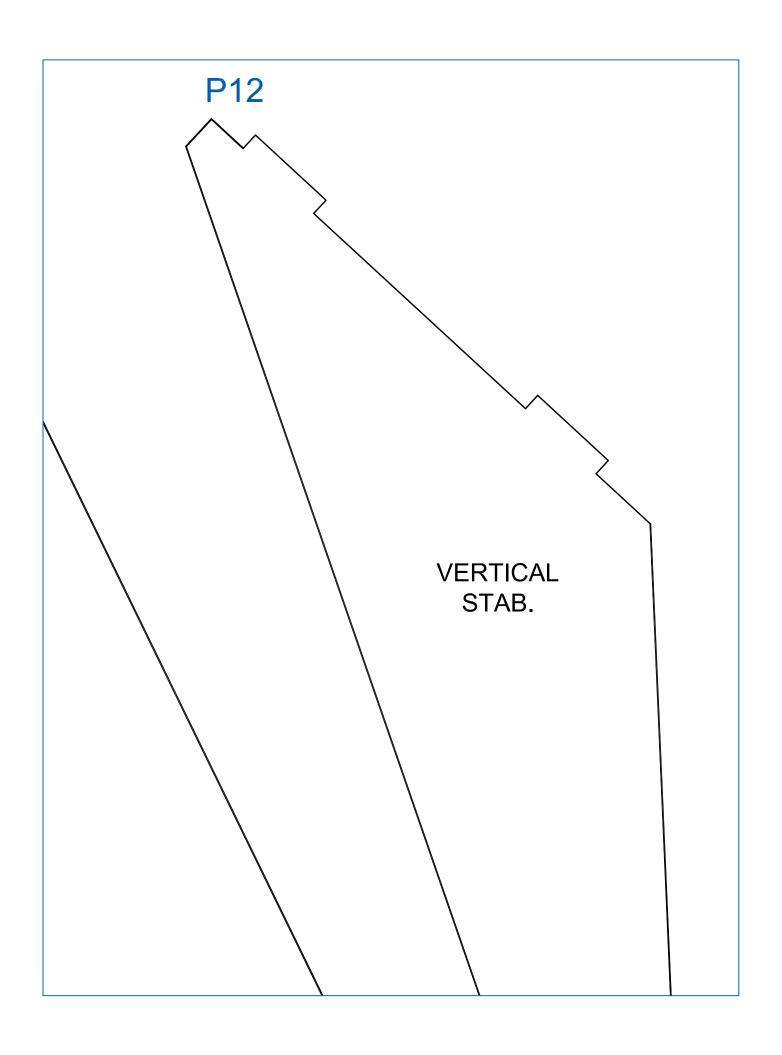


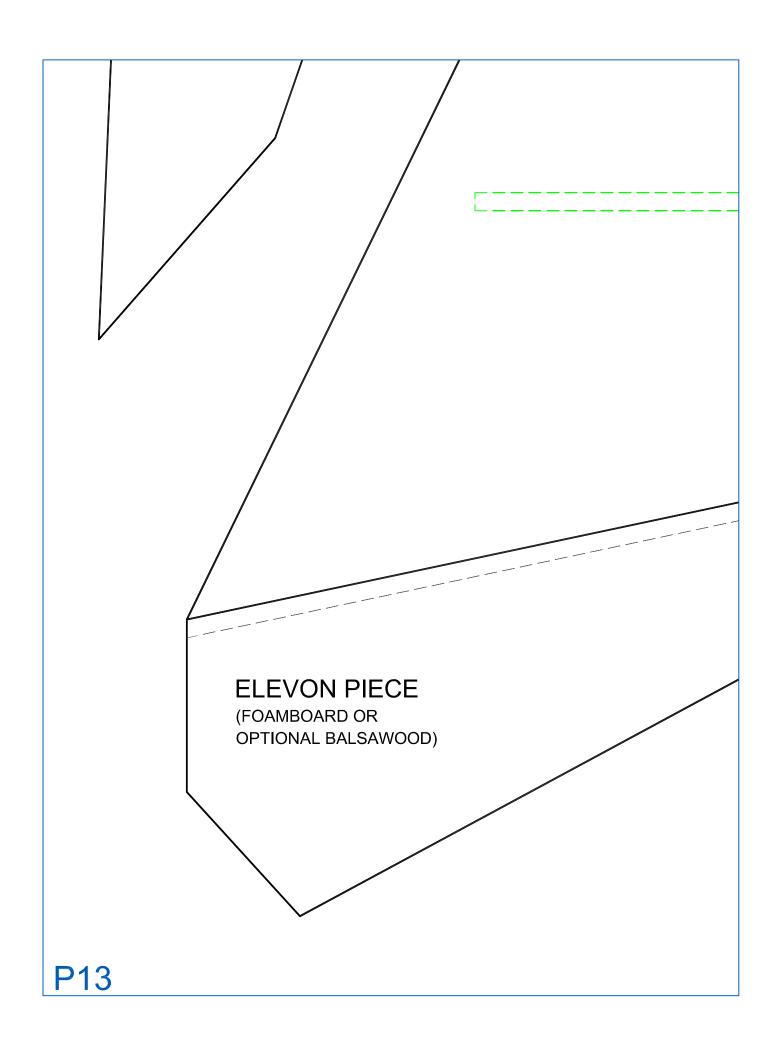


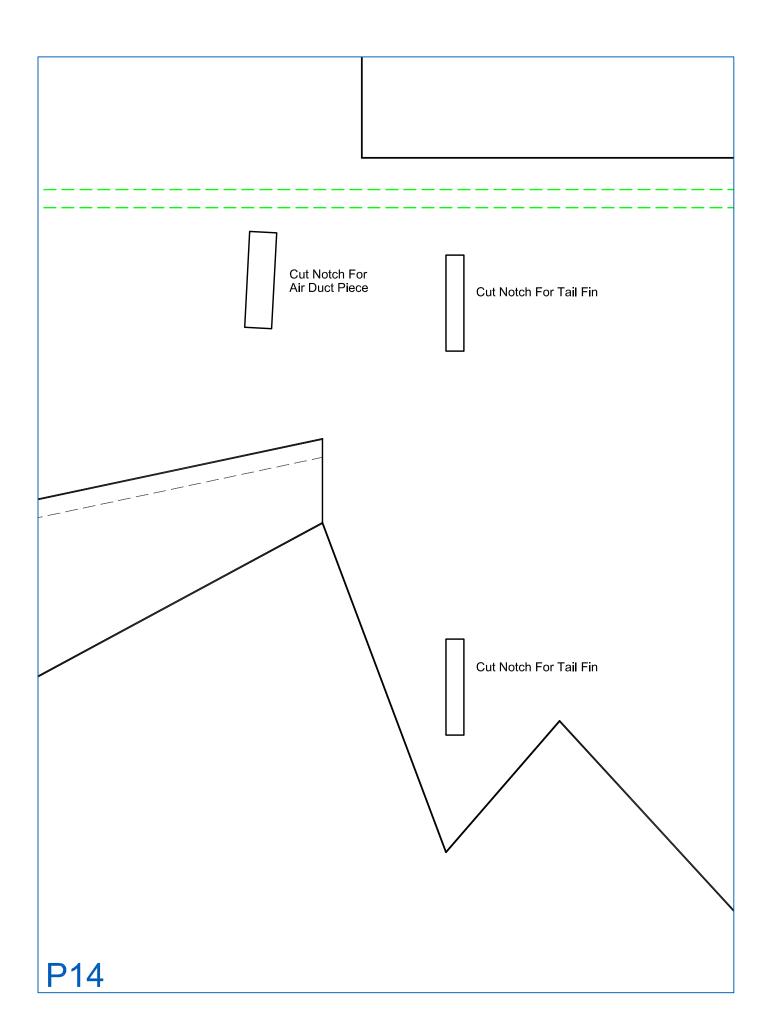


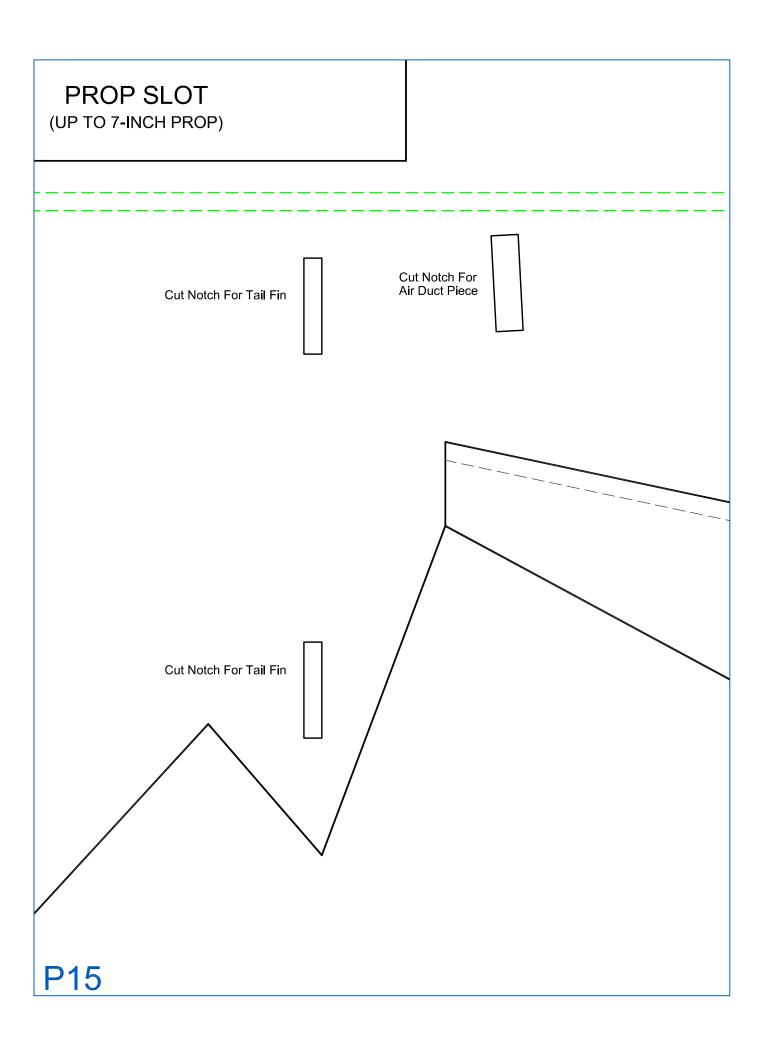


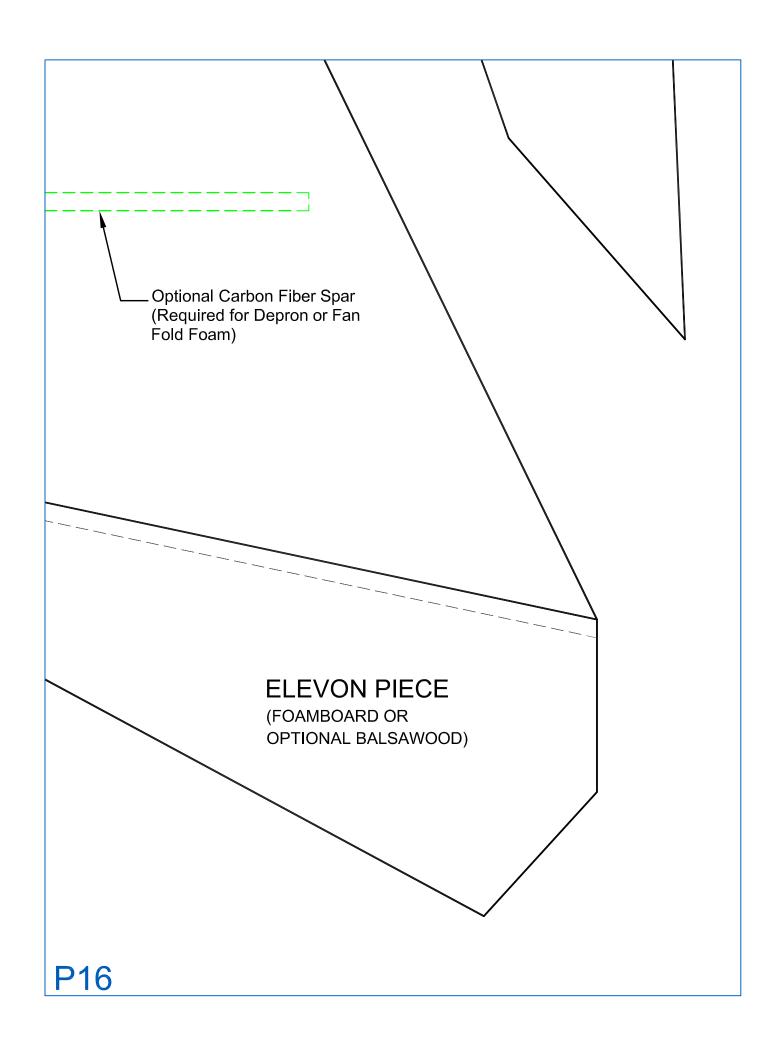
P11	
Cut Notch For Battery Tray Side Piece	Cut Notch For Air Duct Piece
Approximate CG is 16" back from the tip of the nose.	
Cut Notch For Battery Tray Side Piece	Cut Notch For Air Duct Piece

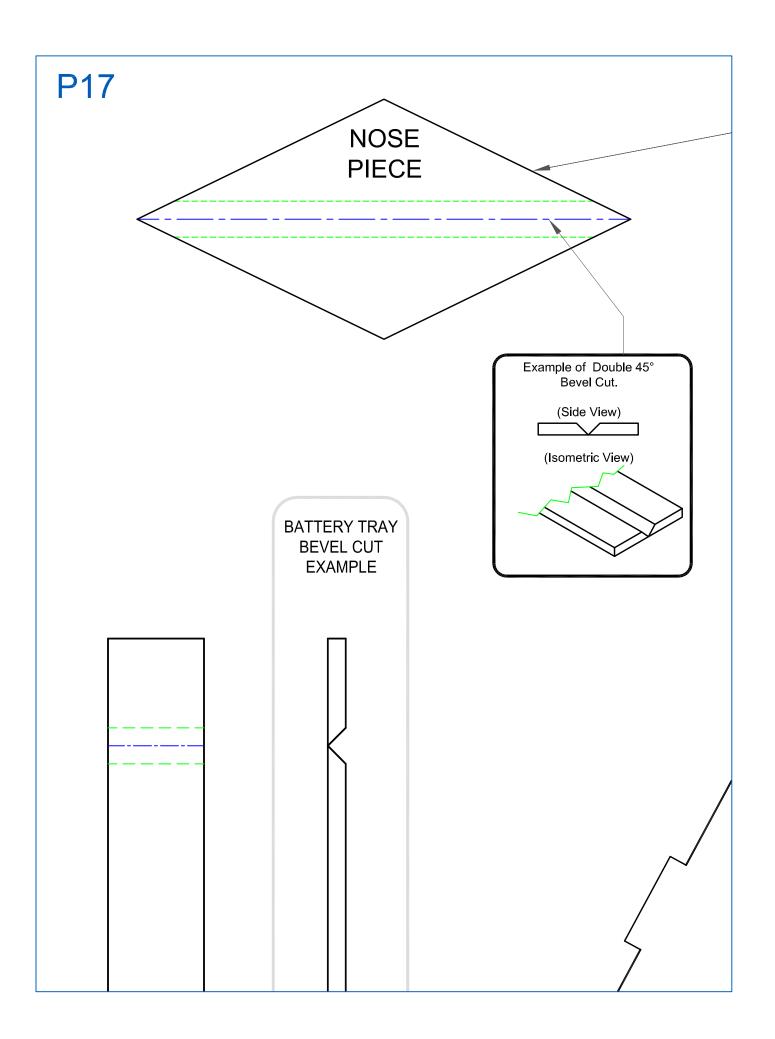


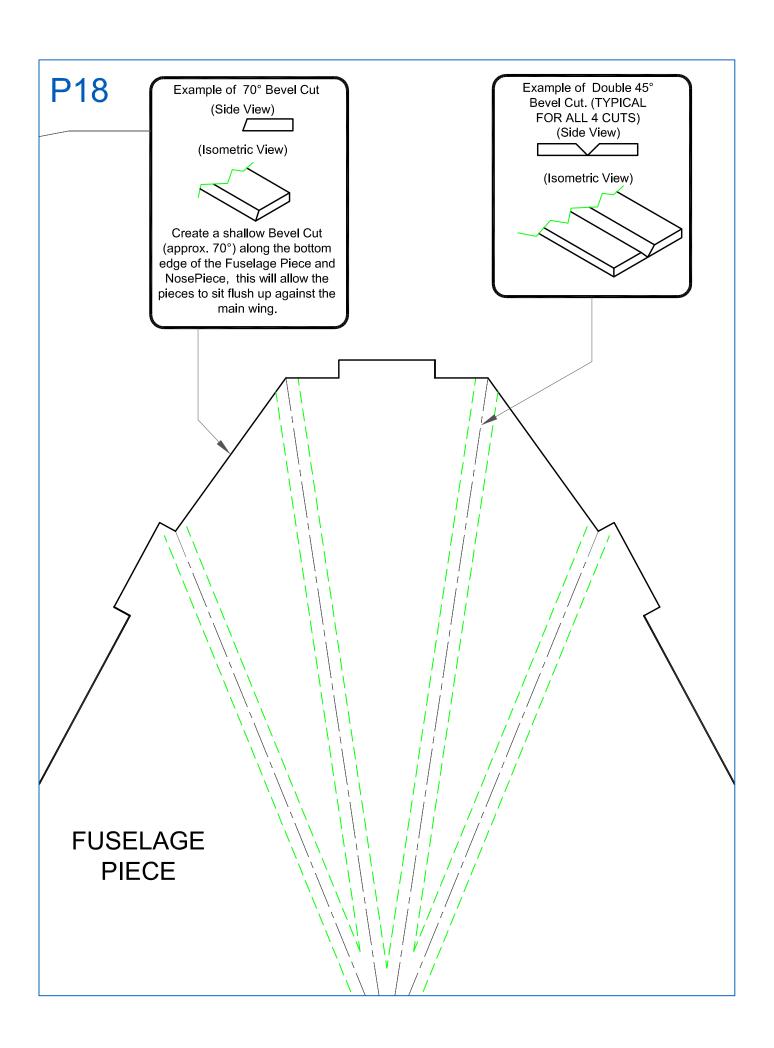












P19 **FUSELAGE** HATCH PIECE

