

PROCESS FOR CUTTING THE AILERONS FROM THE WINGS

TOP SKIN:

1. Use a scale to find the 5.9" point on the BL67.5 foam joint.
2. Use a scale to find the 4.35" point on the BL118.25 foam joint.
3. Draw a line on the top skin from the 5.9" point on BL67.5 to the 4.35" point on BL118.25
4. Use a straightedge to continue the line at least 13" outboard of BL118.25
5. Use the carpenter's square at 12" outboard from BL118.25 along the TE to draw a 90 degree line to intersect the forward cut line.
6. Use the carpenter's square along the TE to draw a 90 degree line from the 5.9" point on BL67.5 to the TE.
7. Cut the top skin at 90 degrees to the TE to intersect the 5.9" degree point, along the forward cut line to the outboard intersection and then again at 90 degrees to the TE. Cut through the foam as shown in Fig. 47

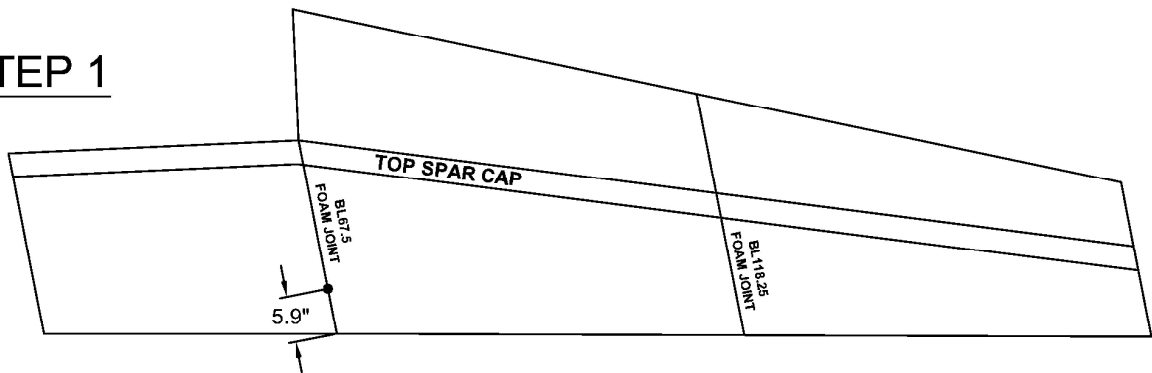
BOTTOM SKIN:

8. Use a scale to find the 7.6" point on the BL67.5 foam joint.
9. Use a scale to find the 5.65" point on the BL118.25 foam joint.
10. Draw a line on the bottom skin from the 7.6" point on BL67.5 to the 5.65" point on BL118.25
11. Use a straightedge to continue the line at least 13" outboard of BL118.25
12. Use the carpenter's square along the TE to draw a 90 degree line from the inboard TE point of the top skin cut line to intersect the forward cut line. (This intersection should be just outboard of the 7.6" point.)
13. Use the carpenter's square along the TE to draw a 90 degree line from the outboard TE point of the top skin cut line to intersect the forward cut line.
14. Cut the bottom skin from the inboard TE point of the top skin cut line, at 90 degrees to the TE, to intersect the forward cut line, then to the outboard intersection and then again at 90 degrees to the TE to meet the outboard TE point of the top skin cut line. Cut through the foam as shown in Fig. 47 to remove the aileron.

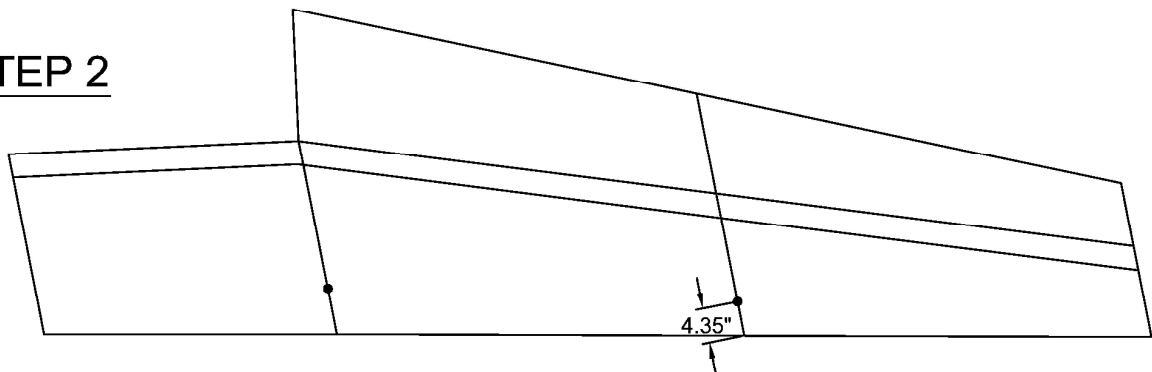
ILLUSTRATIONS:

START WITH TOP SKIN !

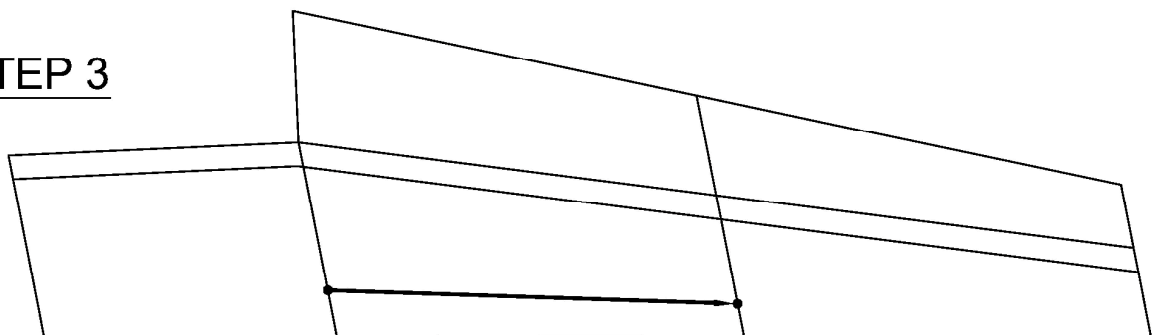
STEP 1



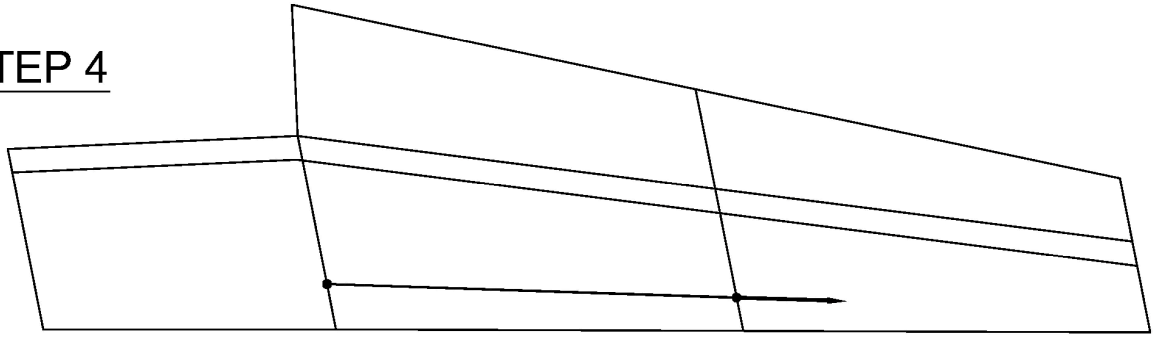
STEP 2



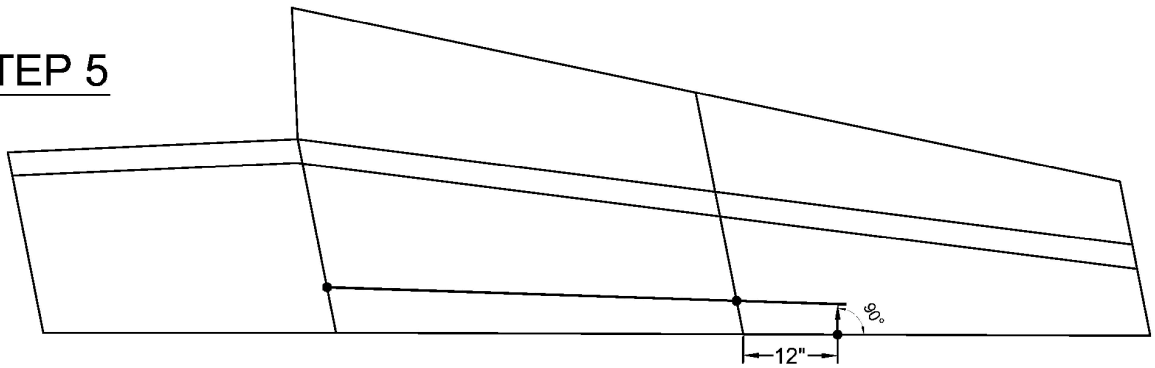
STEP 3



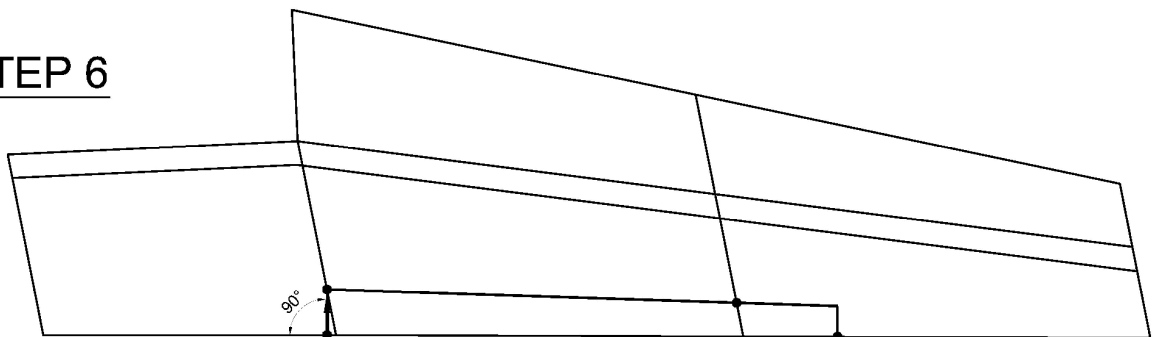
STEP 4



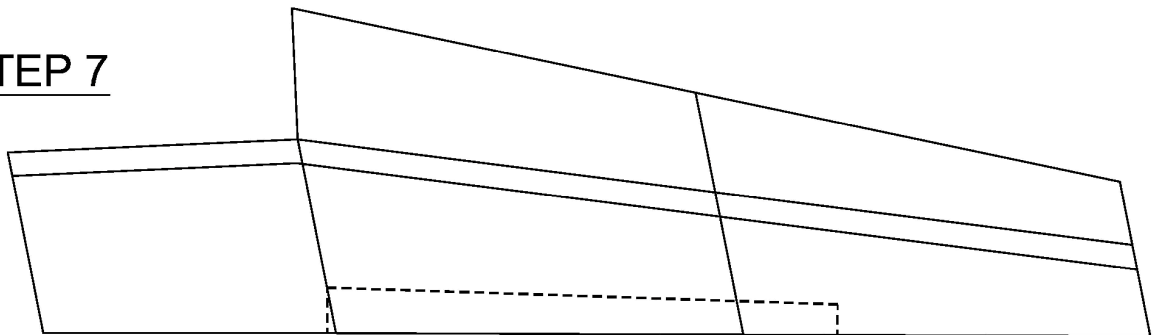
STEP 5



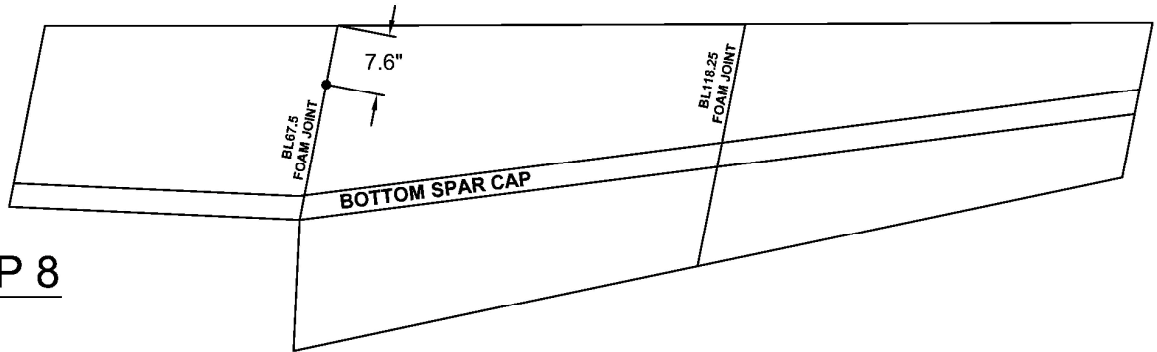
STEP 6



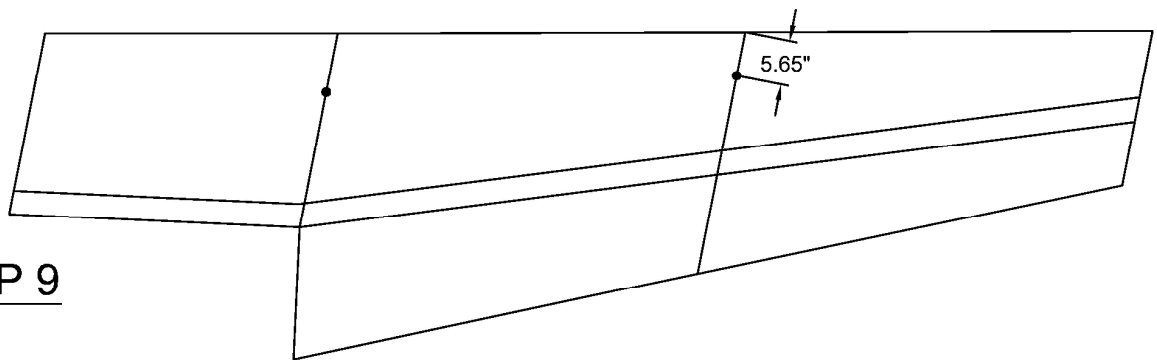
STEP 7



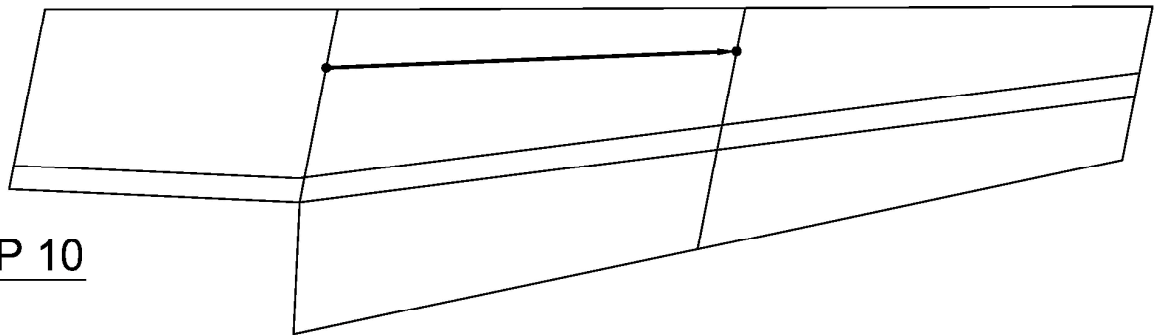
CONTINUE WITH BOTTOM SKIN.



STEP 8

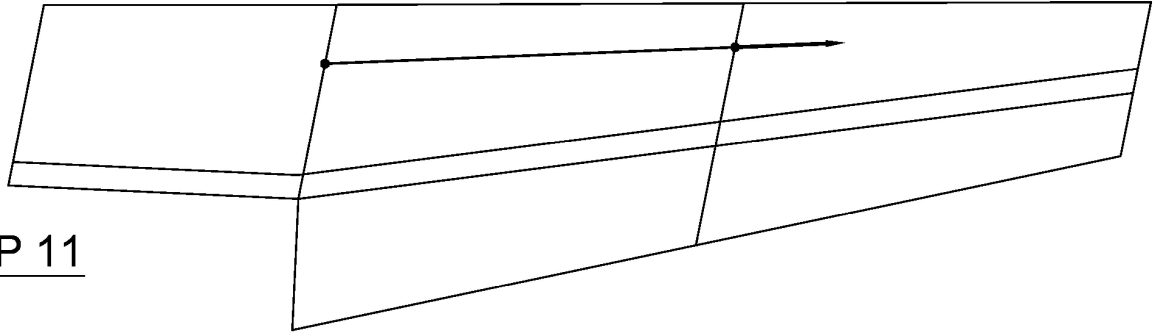


STEP 9

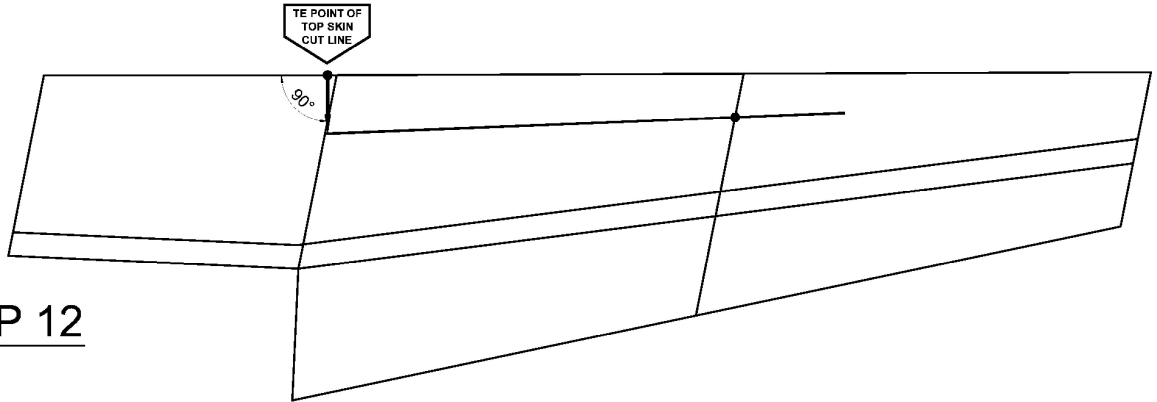


STEP 10

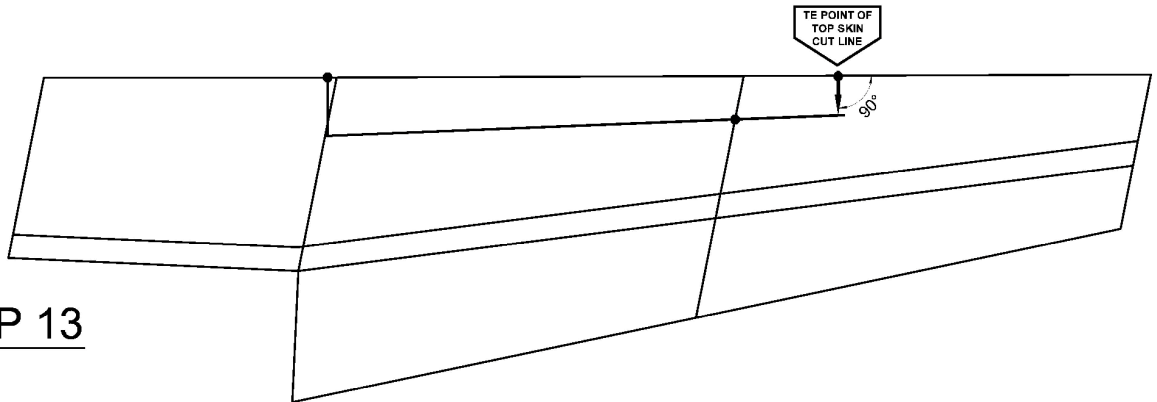
STEP 11



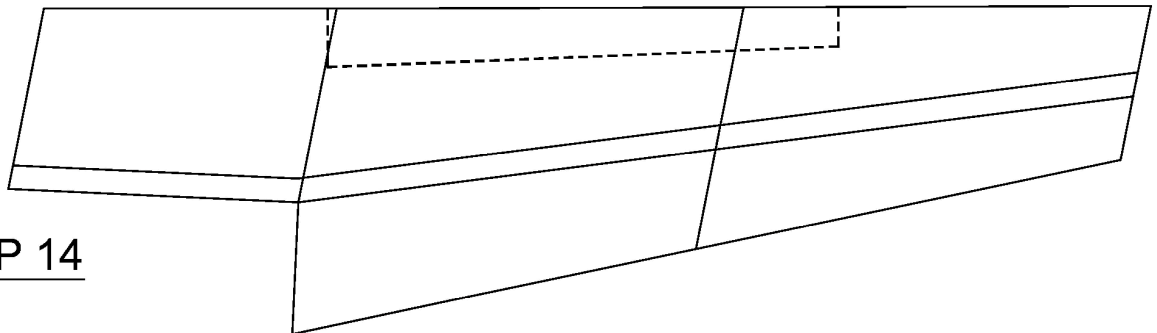
STEP 12



STEP 13



STEP 14



Chapter 19, Fig. 46 (Corrected)

