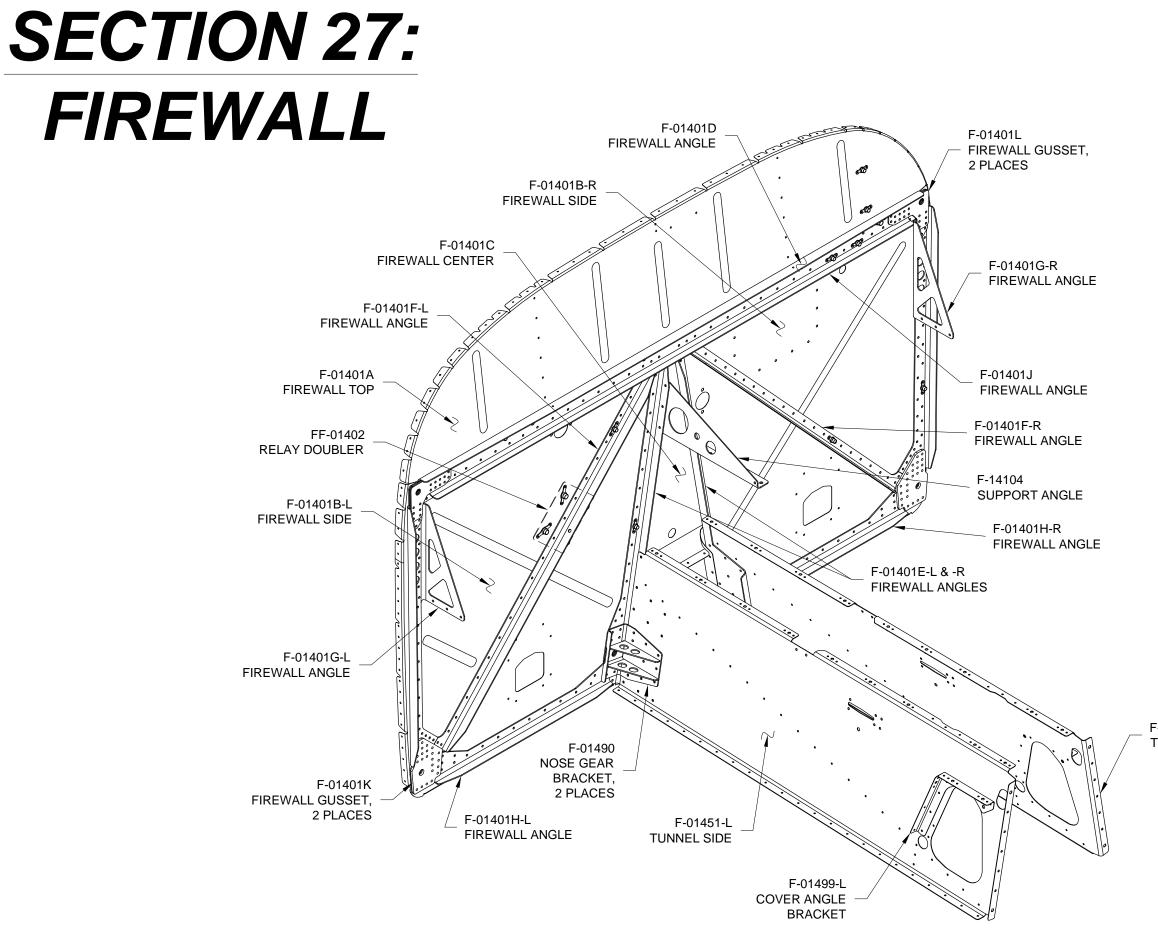


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REVISION DESCRIPTION:

Page: 27-04 REV 2: Steps 1 and 2 combined for clarity.

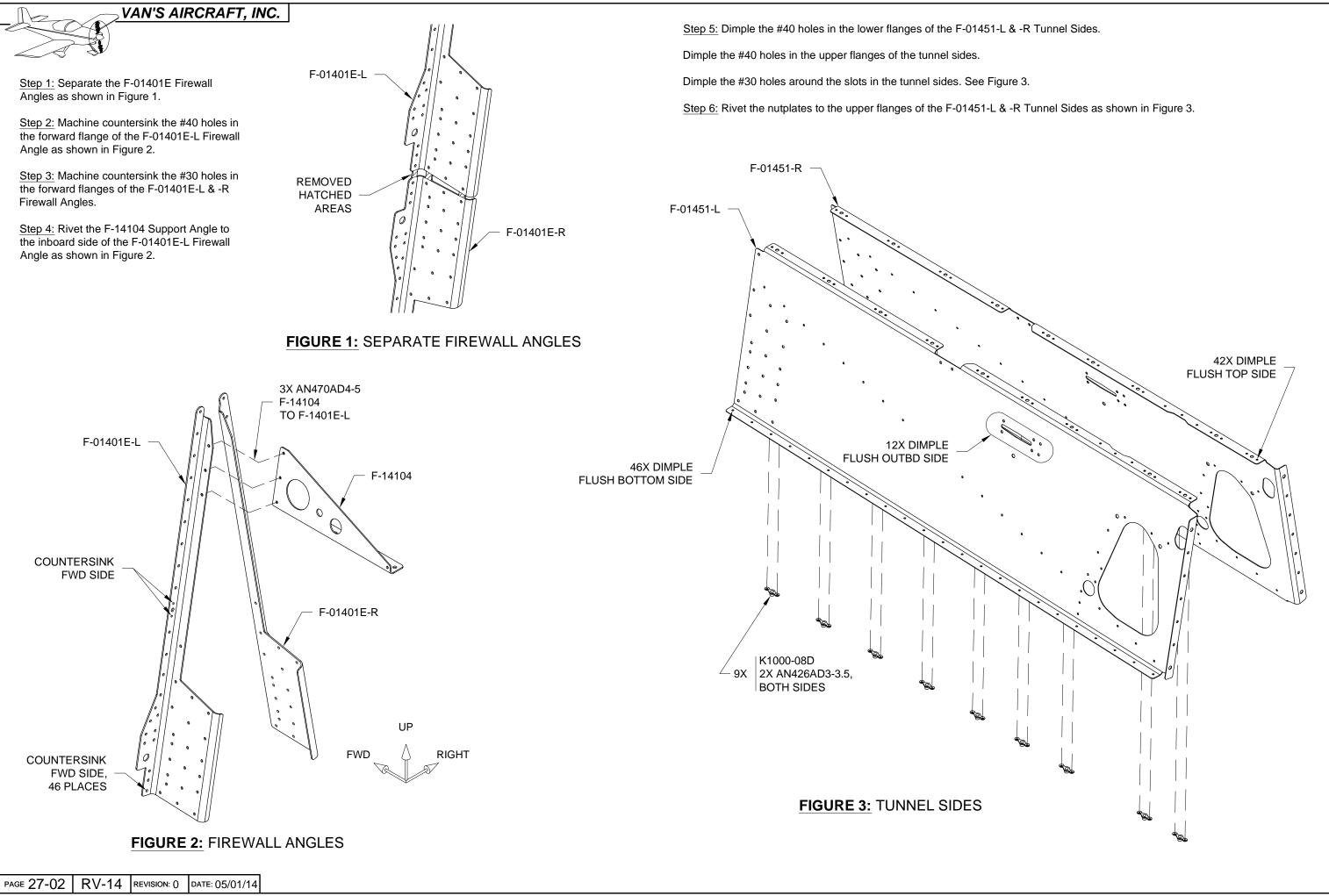
Page: 27-05 REV 2: In Figure 1 the shaded "DO NOT DIMPLE" area encompasses 7 rivets (one extra outboard) rather than 6. Changed to the correct locations.

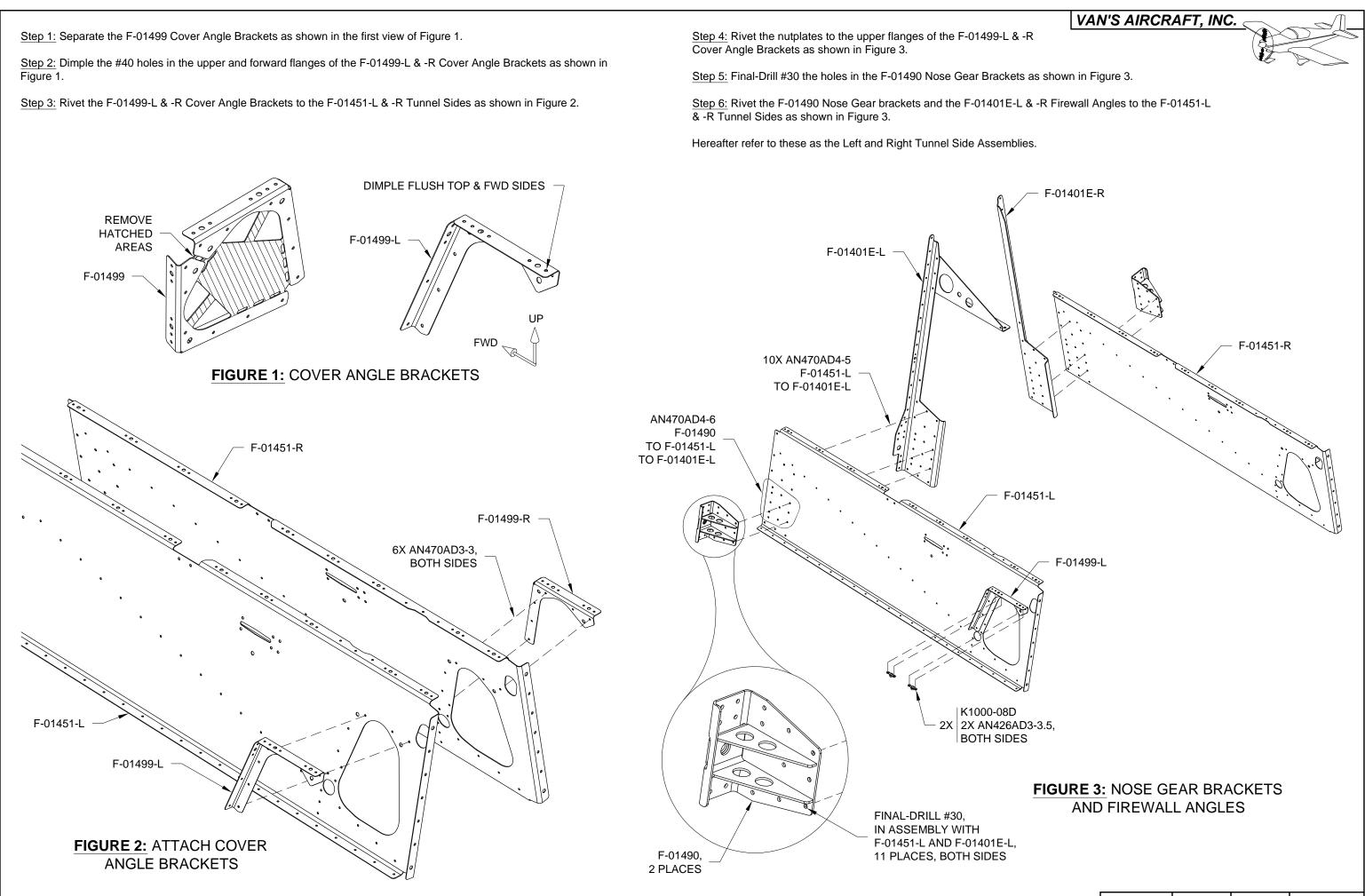




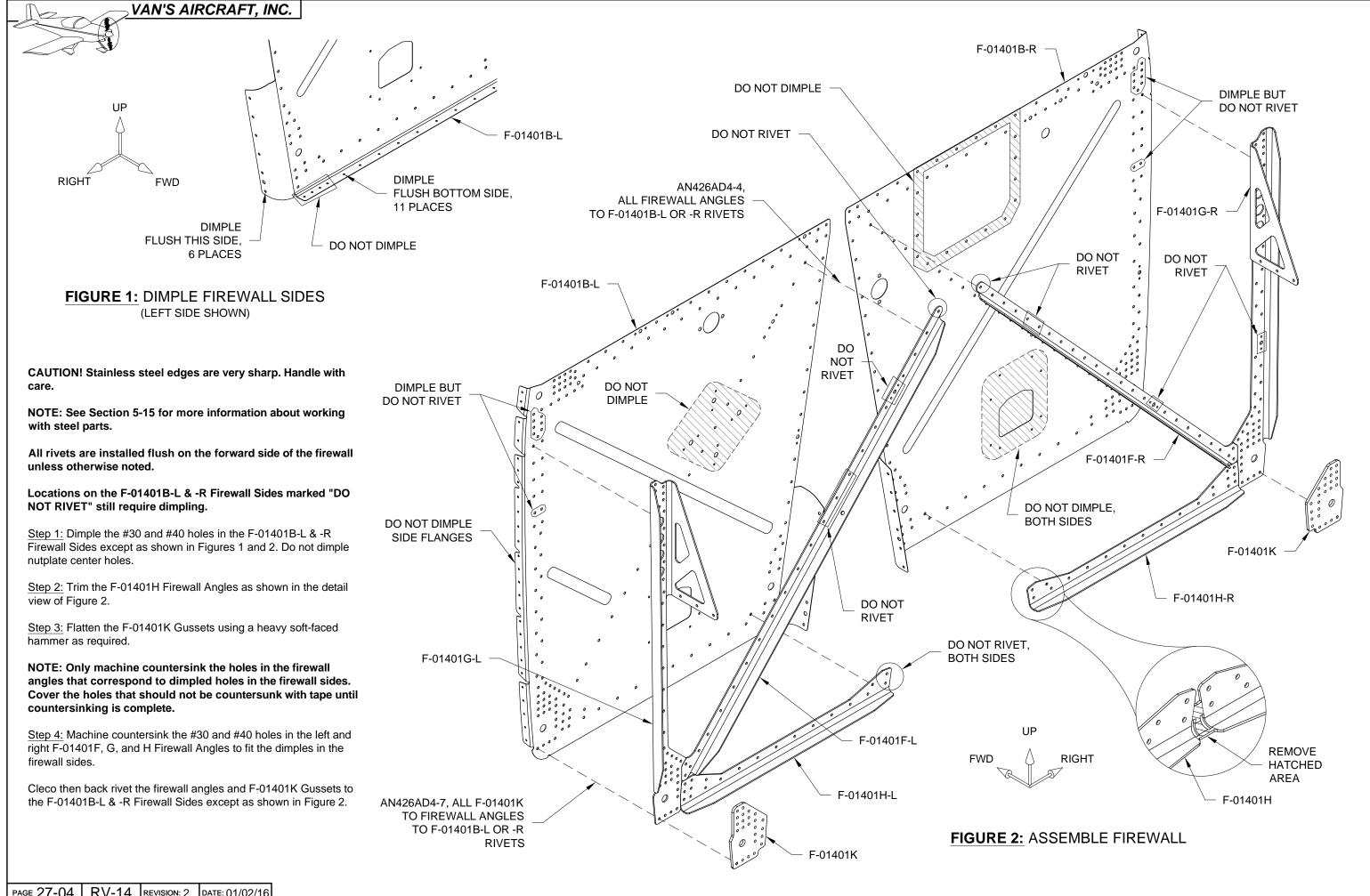
F-01451-R TUNNEL SIDE

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DATE: 03/03/15	REVISION: ()	RV-14	PAGE 27-01	





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Step 1: Dimple the #30 and #40 holes in the web of the F-01401A Firewall Top as shown in Figure 1. Do not dimple the flanges or nutplate center holes.

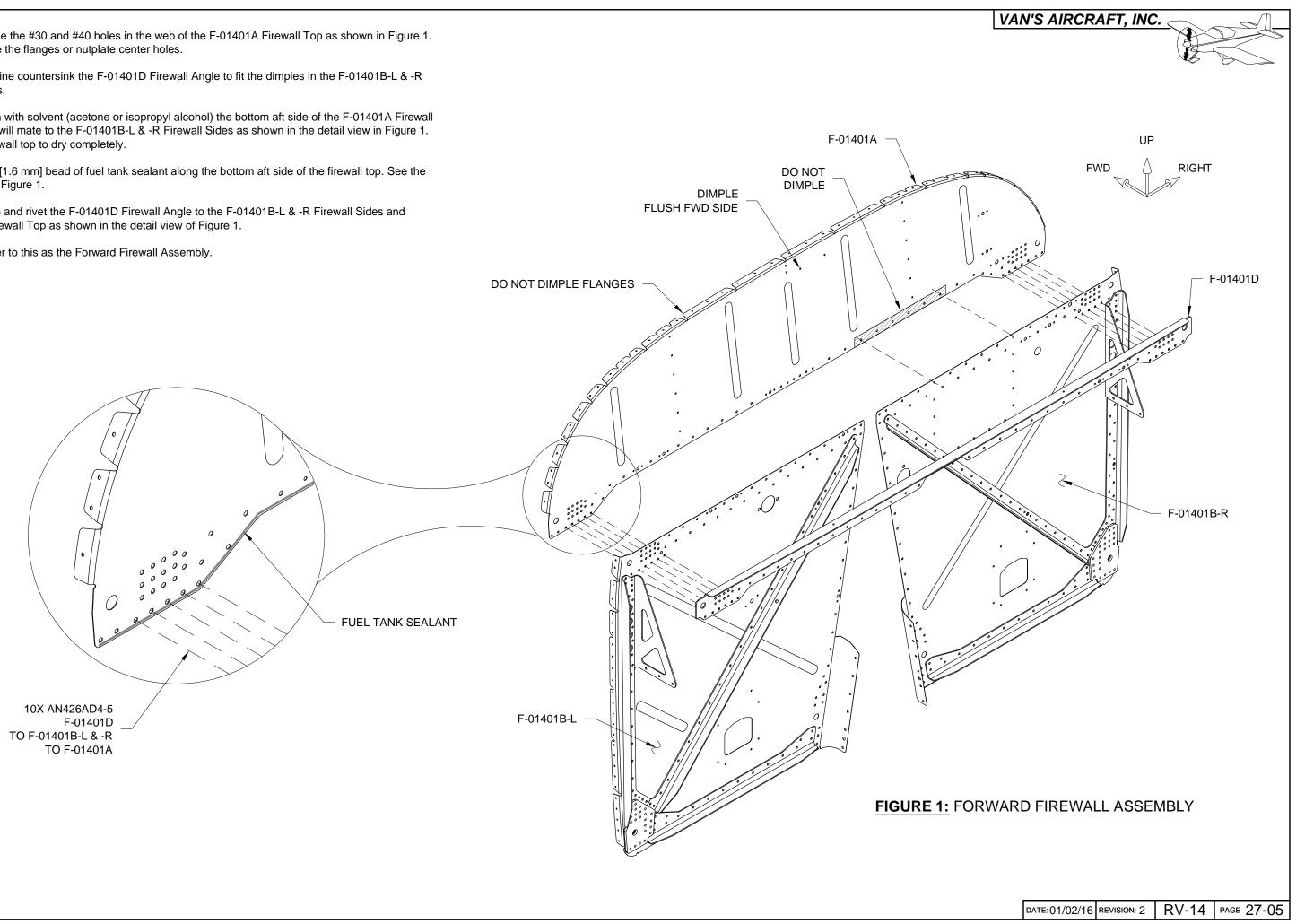
Step 2: Machine countersink the F-01401D Firewall Angle to fit the dimples in the F-01401B-L & -R Firewall Sides.

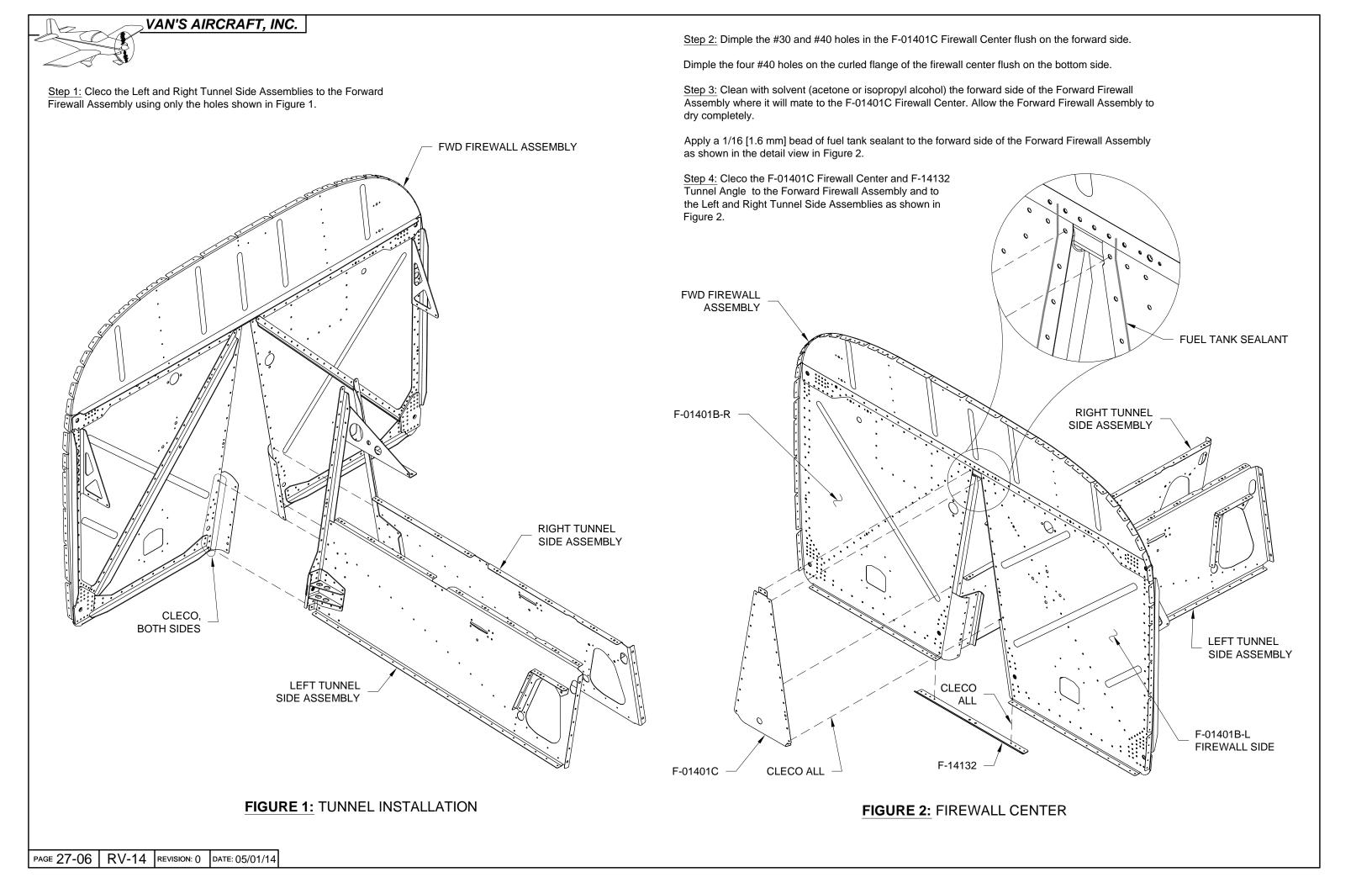
Step 3: Clean with solvent (acetone or isopropyl alcohol) the bottom aft side of the F-01401A Firewall Top where it will mate to the F-01401B-L & -R Firewall Sides as shown in the detail view in Figure 1. Allow the firewall top to dry completely.

Apply a 1/16 [1.6 mm] bead of fuel tank sealant along the bottom aft side of the firewall top. See the detail view in Figure 1.

Step 4: Cleco and rivet the F-01401D Firewall Angle to the F-01401B-L & -R Firewall Sides and F-01401A Firewall Top as shown in the detail view of Figure 1.

Hereafter refer to this as the Forward Firewall Assembly.





NOTE: All rivets are installed flush on the forward side of the firewall.

Step 1: Match-Drill #30 the holes common to both the Forward Firewall Assembly and the F-01490 Nose Gear Brackets. Drill from the forward side of the Forward Firewall Assembly.

NOTE: Match-Drill if/as required #30 or #40 any rivet holes that will not accept a rivet.

Step 2: Cleco then rivet the F-01401L Firewall Gussets, F-01401J Firewall Angle, and Left and Right Tunnel Side Assemblies to the Forward Firewall Assembly as shown in the detail view in Figure 1.

NOTE: Always ream using a drill press set at low speed. Use lubricant and clean the reamer before every hole.

Step 3: Ream .375 the engine mount holes as shown in Figure 1. Maintain precise alignment to keep the holes perpendicular to the surface of the firewall.

Step 4: Machine countersink the #30 and #40 holes in the FF-01402 Relay Doubler.

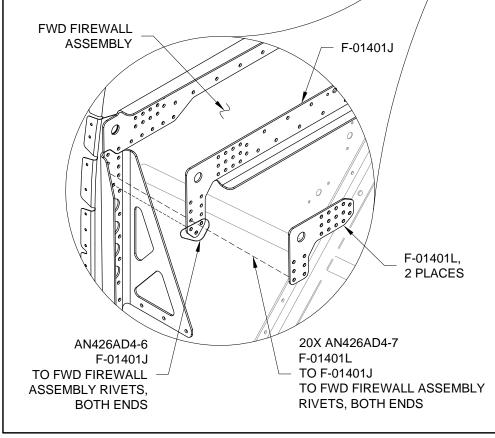
Step 5: Rivet the relay doubler to the forward face of the Forward Firewall Assembly as shown in Figure 1.

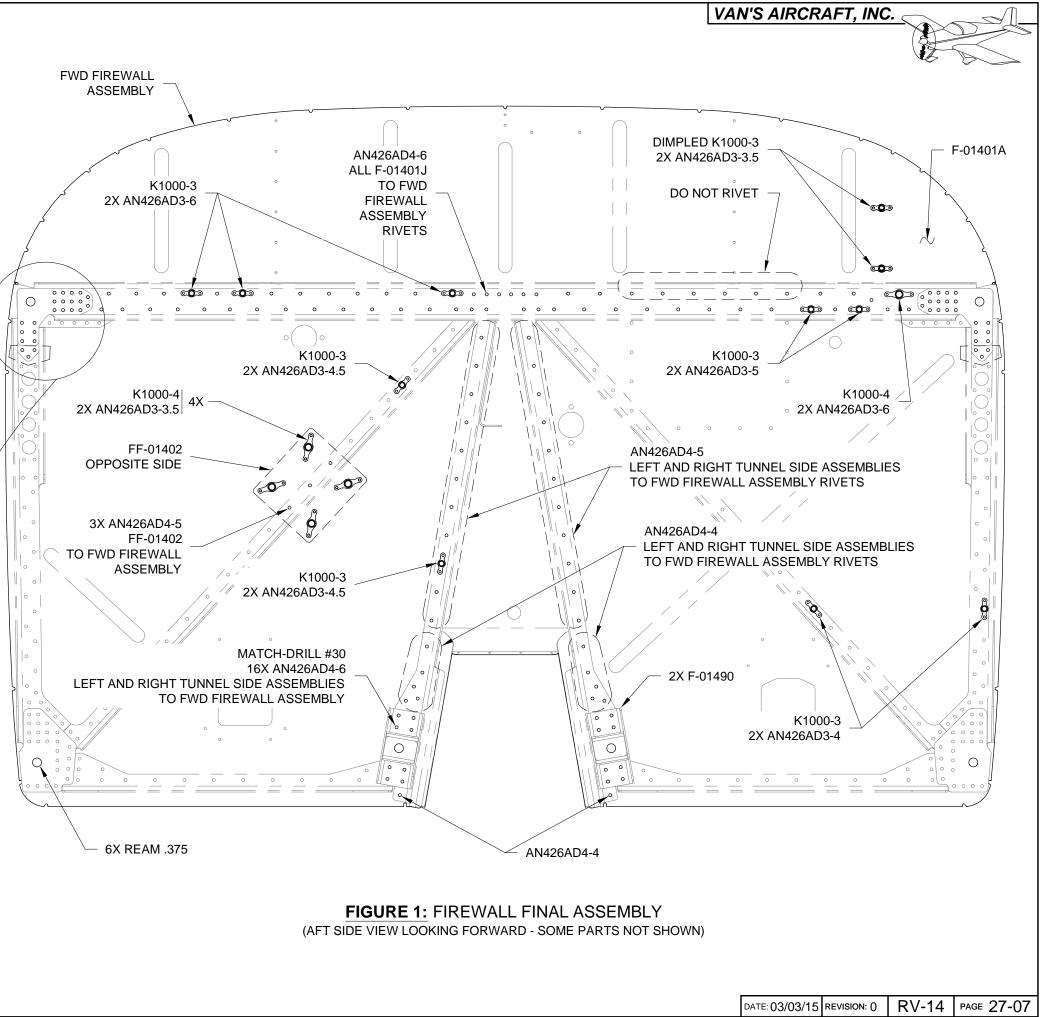
Step 6: Dimple the two nutplates that will attach to the F-01401A Firewall Top as shown in Figure 1.

Step 7: Rivet all nutplates to the Firewall Assembly as shown in Figure 1.

Hereafter refer to this as the Firewall Assembly.

Step 8: Remove the F-14132 Tunnel Angle and set it aside for the next section.





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