7811 NE St. Johns Rd. Suite C Vancouver, WA 98665 www. Master piece Models. comWACO GLIDER

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#### PREPARATION AND FINISHING INSTRUCTIONS--READ THOROUGHLY BEFORE YOU BEGIN

#### \*\*\*FOR ADVANCED MODELER BUILDERS ONLY\*\*\*

For assembly, follow the exploded-view diagram provided with your kit. The preparation and finishing steps listed here are recommended for best overall results.

- 1. DO NOT USE CYANOACRYLATE GLUE ON CLEAR PLASTIC PARTS. This will cause fogging or "fuming" of the plastic. Instead use a clear, twopart epoxy. DevconTM five-minute epoxy works well. We recommend this epoxy for the entire project, as the cyanoacrylate glues can be brittle and unreliable over time.
- 2. PRIOR TO ASSEMBLY OR PAINTING, REMOVE FLASH AND CASTING ARTIFACTS, AND THOROUGHLY WASH ALL URETHANE RESIN (YELLOW PLASTIC) PARTS. First, remove all mold "flashing" from the edges of the parts. sand away any "casting blocks" on a disk sander, or alternatively by carefully laying the part flat on a sheet of 80-grit sandpaper on a flat, level surface. Run the part over the sandpaper in a figure-eight pattern, occasionally rotating the part in your fingertips, to ensure an even sanding. Finish on a piece of 220 sandpaper using the same technique.

To wash the parts, use warm water with AjaxTM, CometTM, or similar chlorine bleach-based powdered soap. Do this in a sink or basin, with a sponge or fine steel wool sanding pad and rinse thoroughly. This will remove any oily residue (mold release compounds, urethane residues, and even finger oils from handling) from the urethane parts which could interfere with proper glue and paint adhesion. Dry thoroughly.

### 3. Paint prep and painting

Carefully sand the model with 320- grit sand paper "be very careful not to remove any details"

Clean the model

Fill any seams that need filling with any hobby putty that you prefer to use. Prime the model with a good sandable primer.

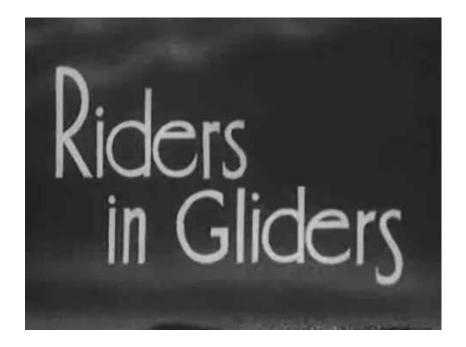
We recommend using an autobody laquer primer. Lightly sand the model again ising 320- grit sandpaper.

Paint the model using the supplied box art or whatever reference that you may have.

#### 4. Decals and final clearcoat

If there are decals Clearcoat the model with a gloss paint, "this prevents silvering"

To apply the decals: Cut out the individual decals, soak them in warm water for 30 seconds. Once loosened from the sheet, apply to the model, use a decal setting solution such as "solvaset". Once the decals are dry clear coat the model with either gloss coat or a dull coat.

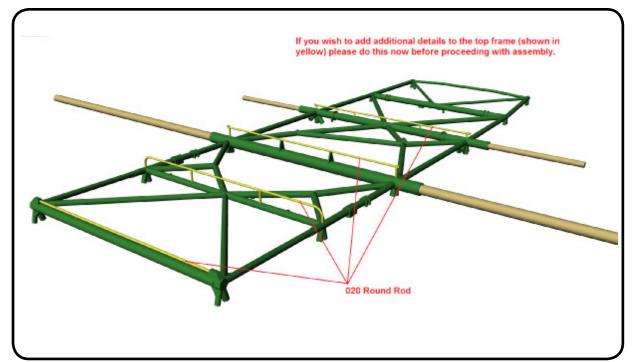


## WACO CG-4A

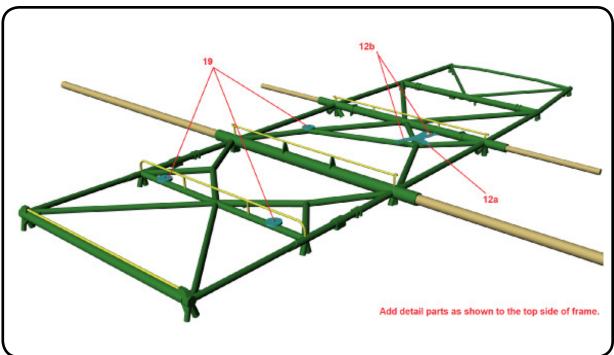
The Waco CG-4A glider was the most used US troop and military glider of WWII. The USAF called it the CG-4A while the British military referred to it as the Hadrian, after the historic emperor of Rome. The Waco Aircraft Company designed the glider and fights were first tested in May 1942. The Waco Aircraft Company built and delivered in excess of 13,900 CG-4A gliders. The structure of the glider was built from wood and metal and then covered in fabric. A crew consisted of a pilot and a copilot. The glider featured two main control wheels and a tail wheel.

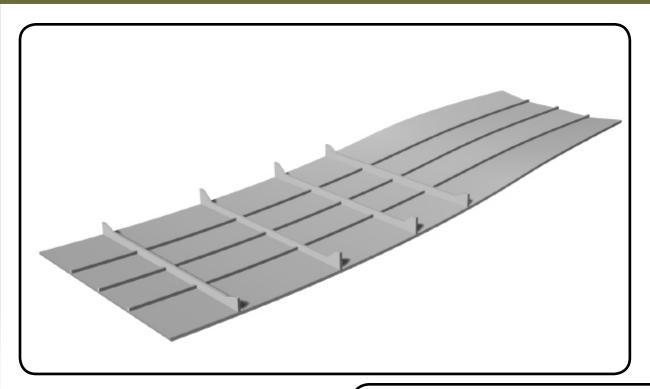
The glider could carry up to 13 troop and equipment. The hinged nose could be swung upward to load a 1/4 ton truck, such as a Jeep, a 75mm howitzer or a 1/4 trailer. These gliders were usually towed behind a C-47 aircraft and also a few C-46s during and after Operation Plunder. The glider was towed behind these planes via a 11/16" diameter, 350' long tow line.

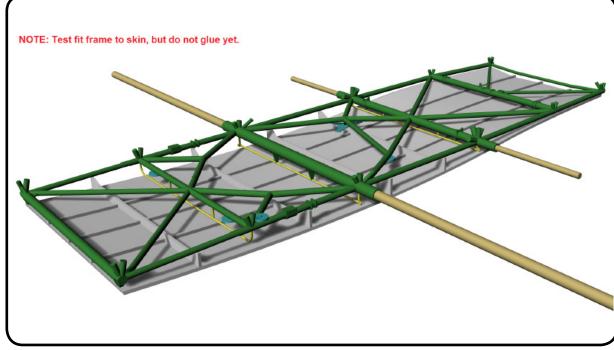


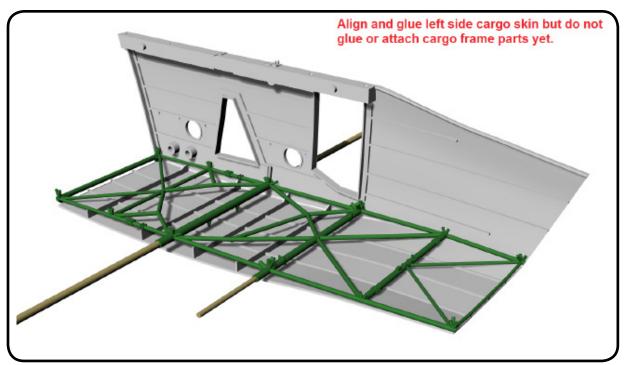


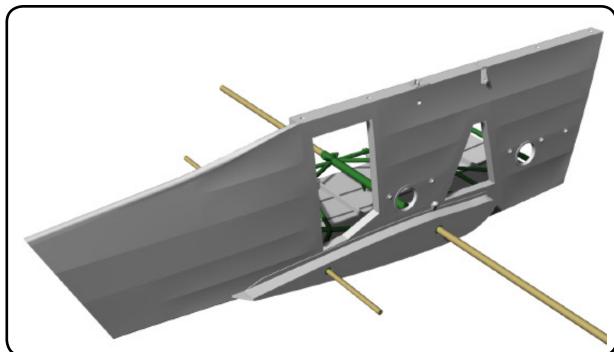
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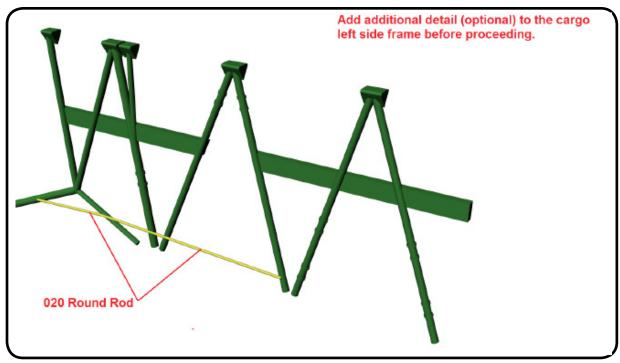


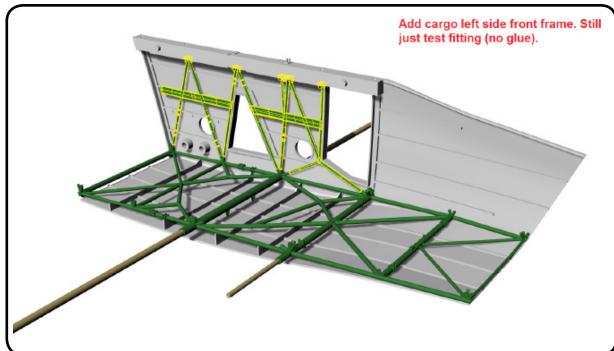




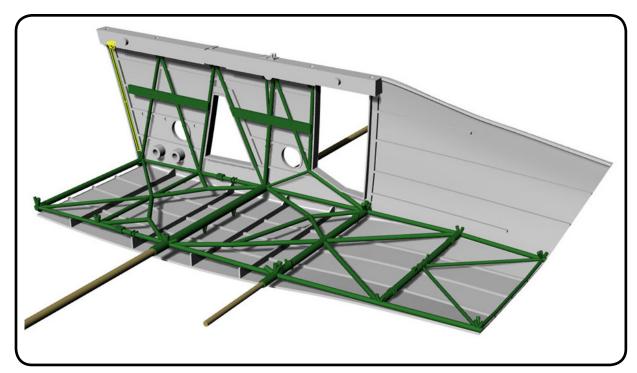


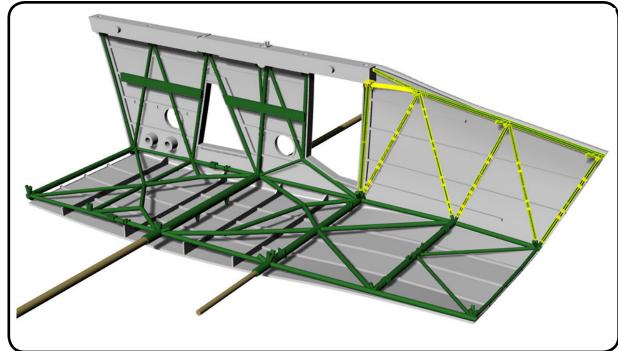


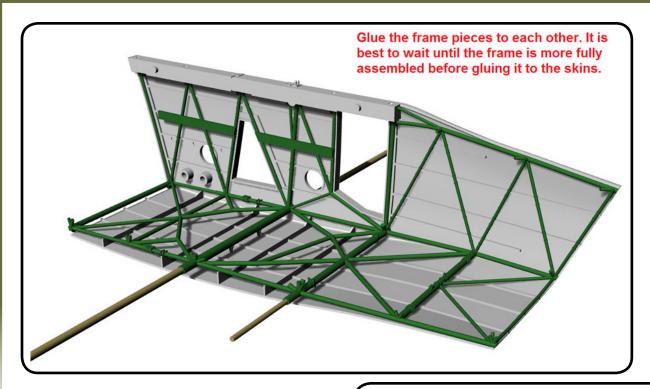


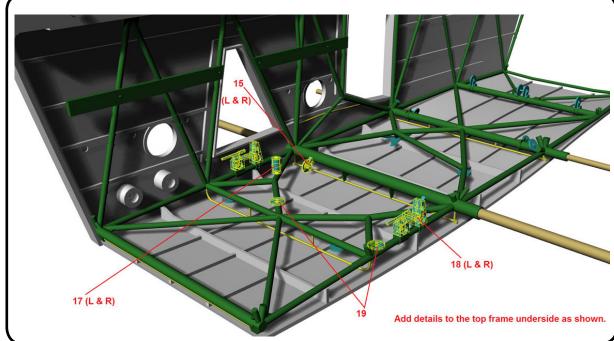




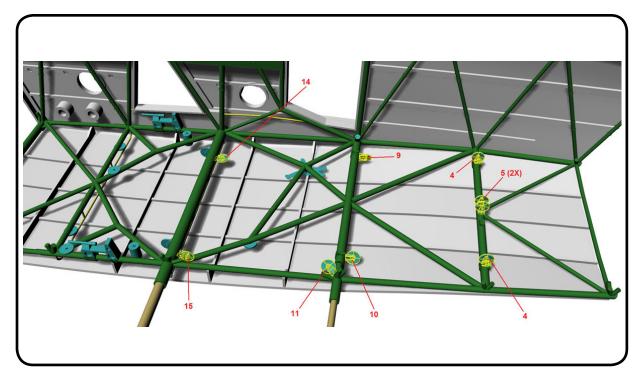


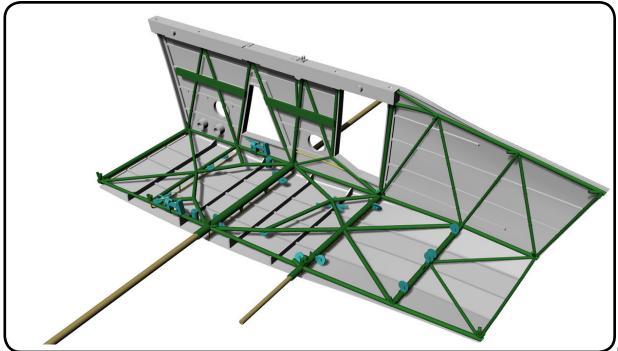


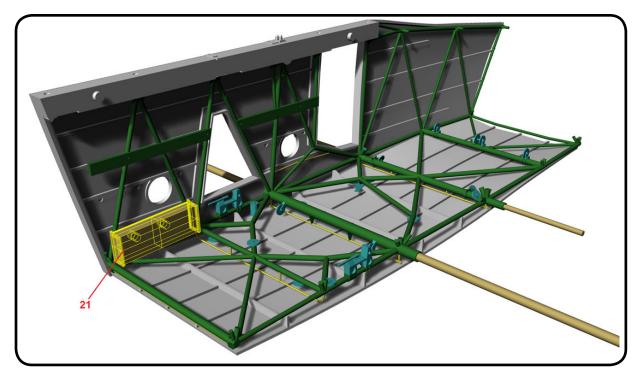


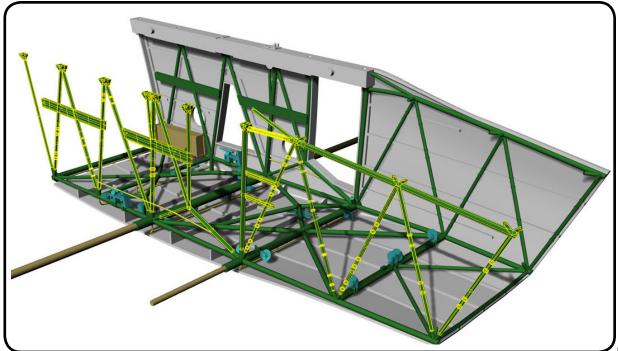


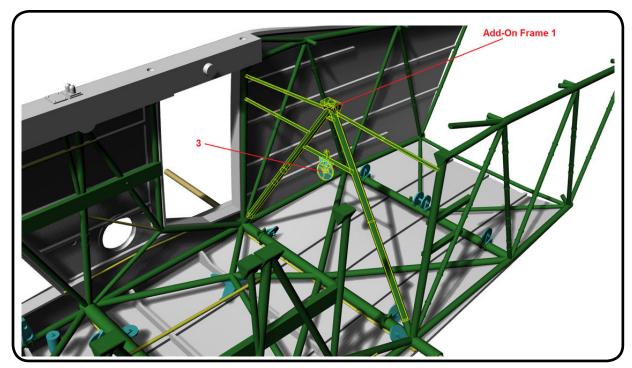


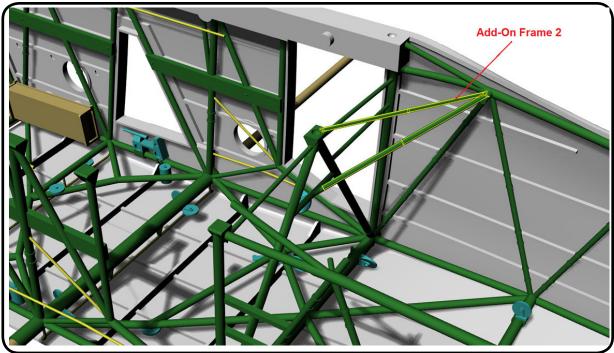


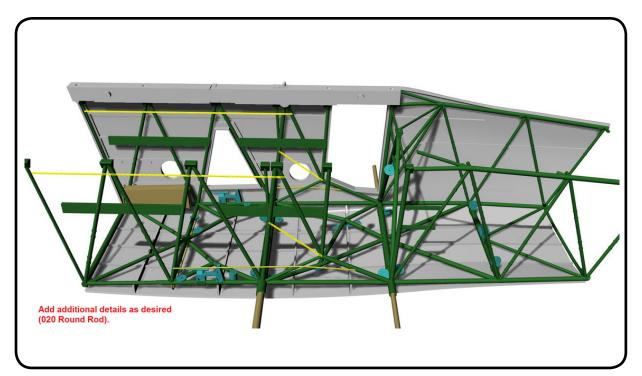


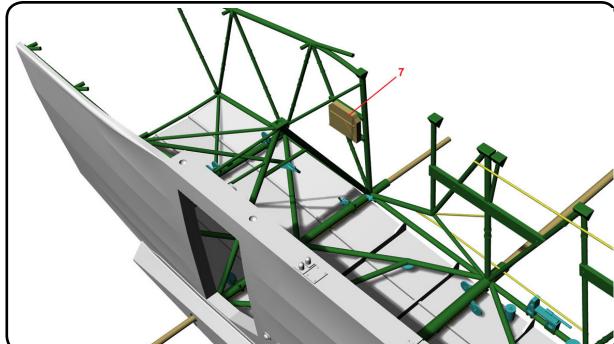




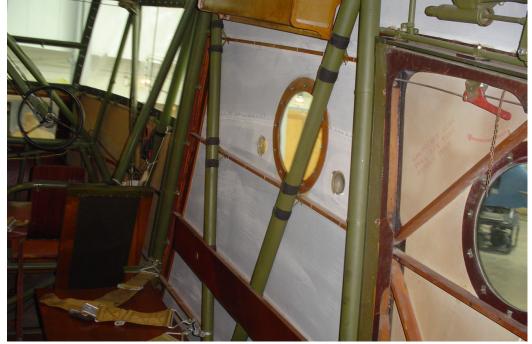


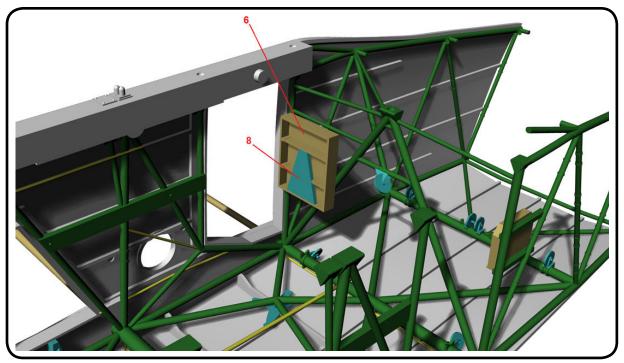


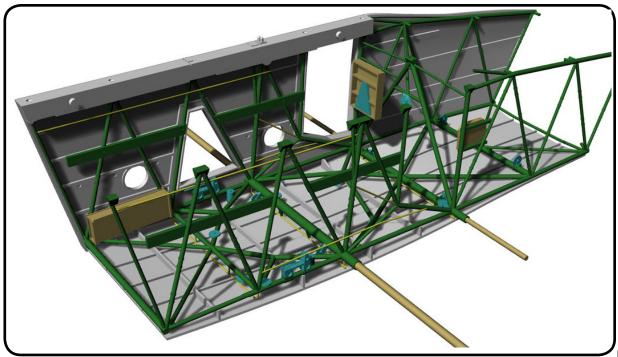


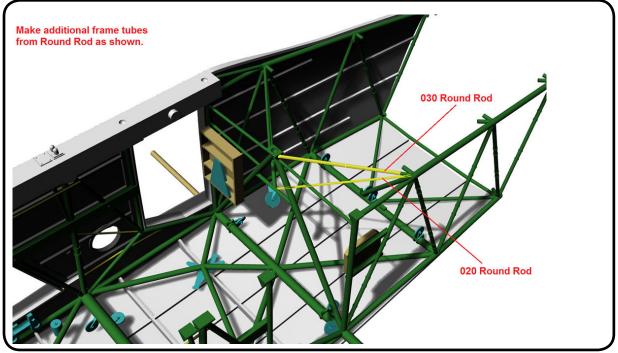


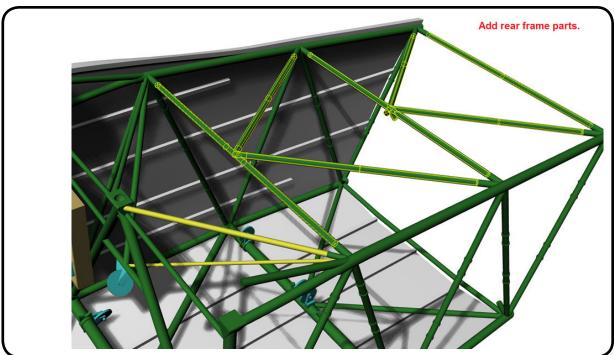


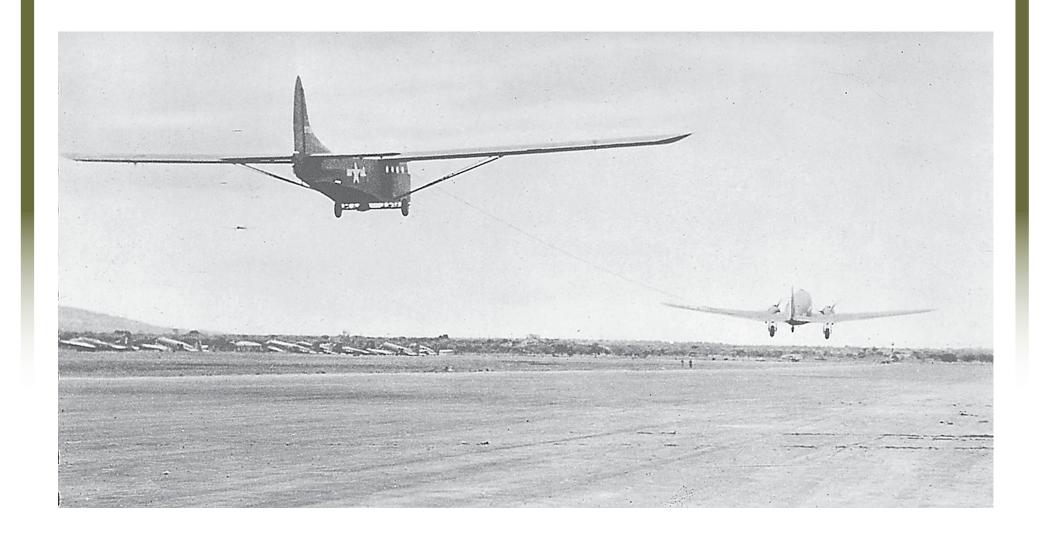


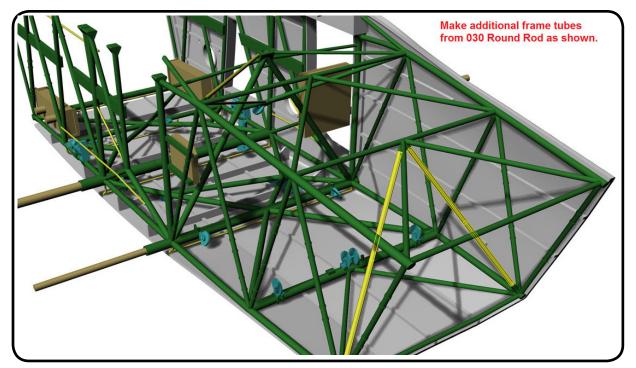


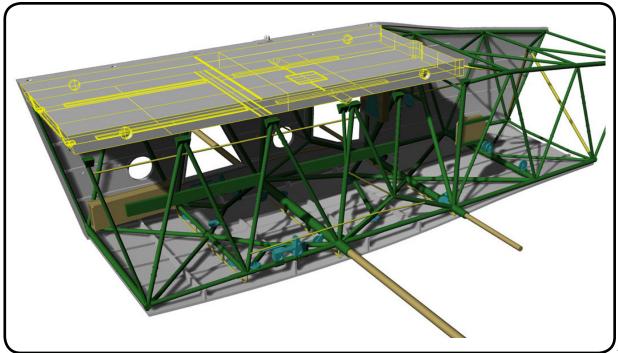




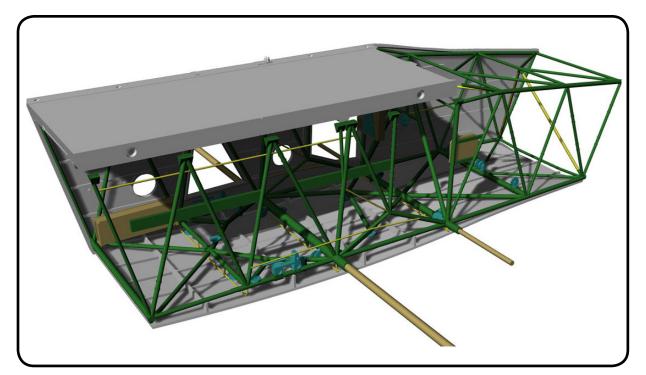


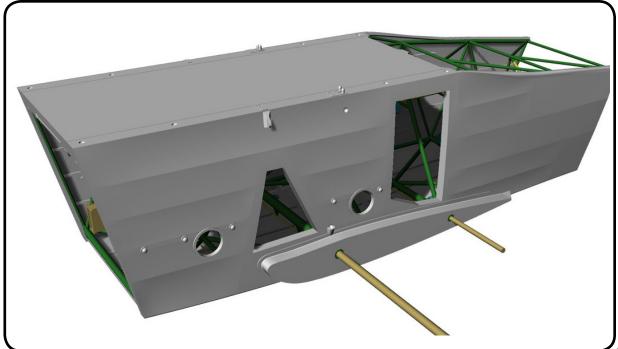


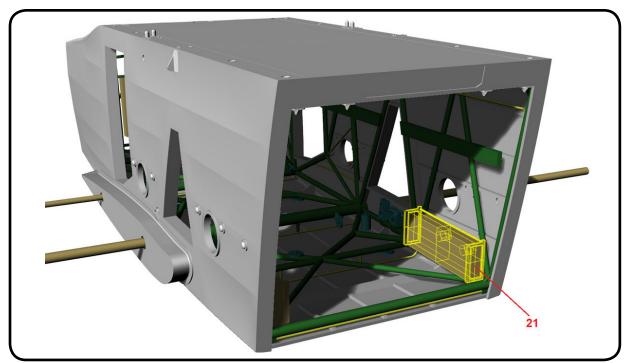


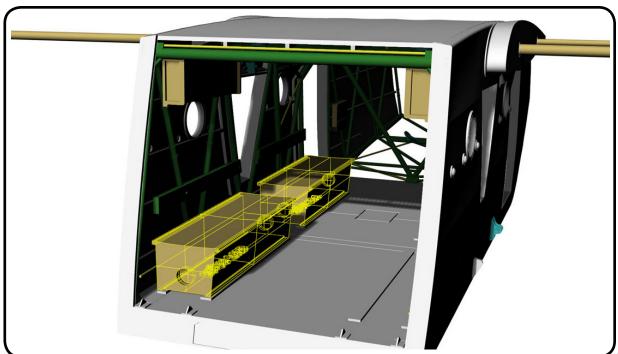


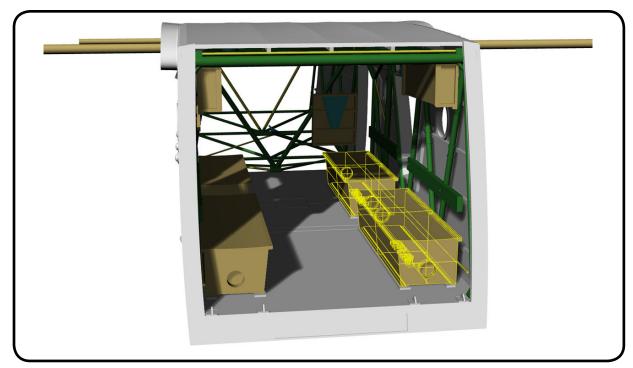






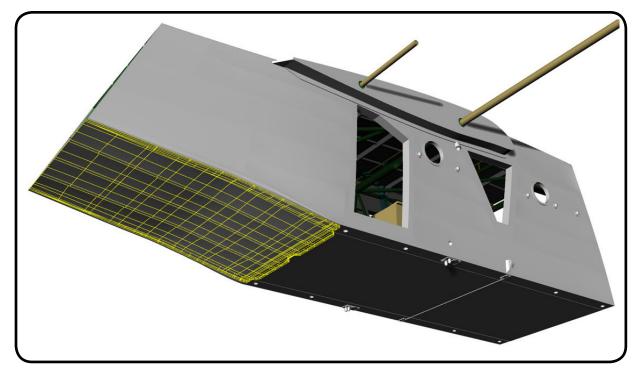


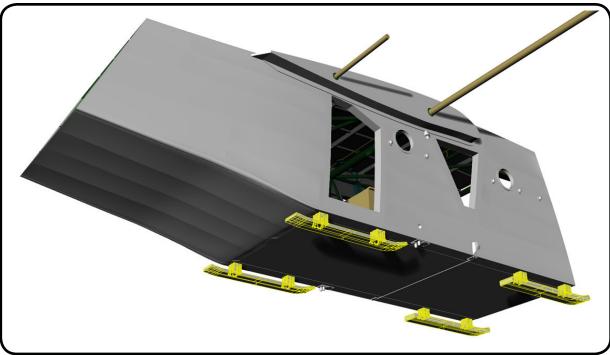














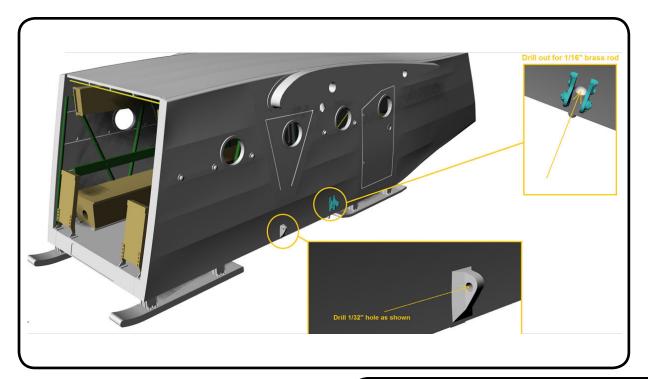




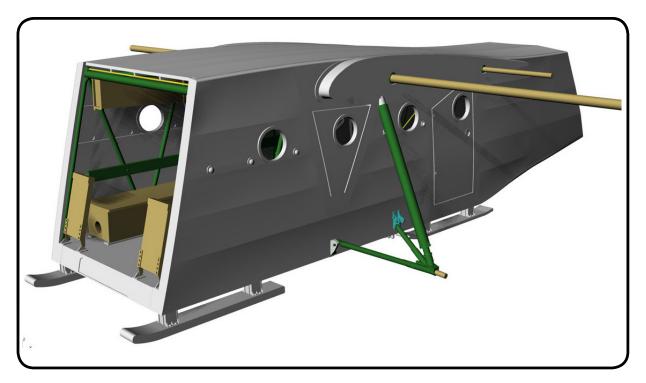




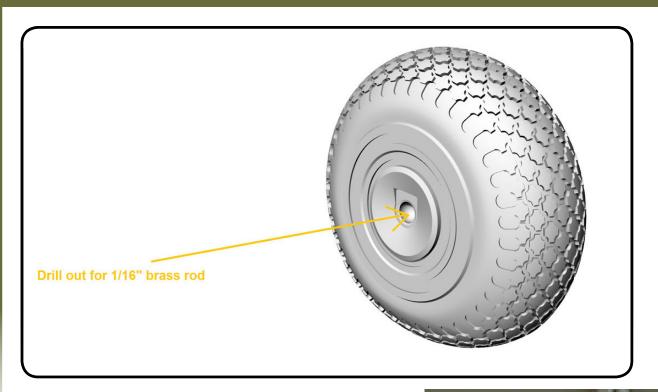














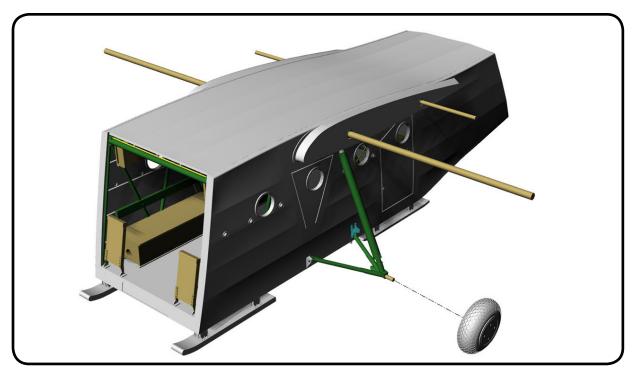
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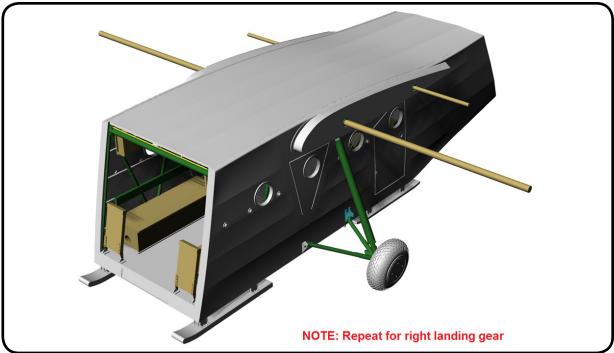


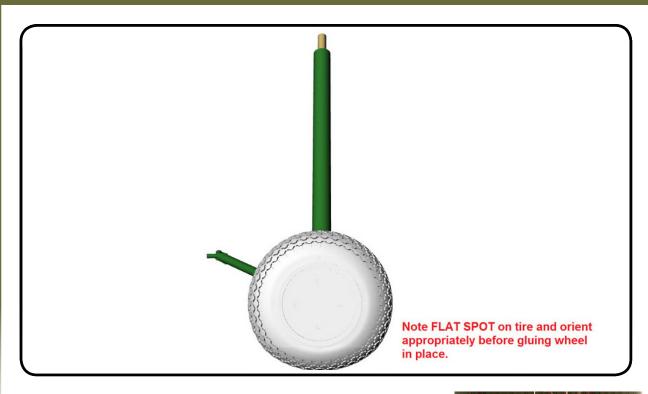




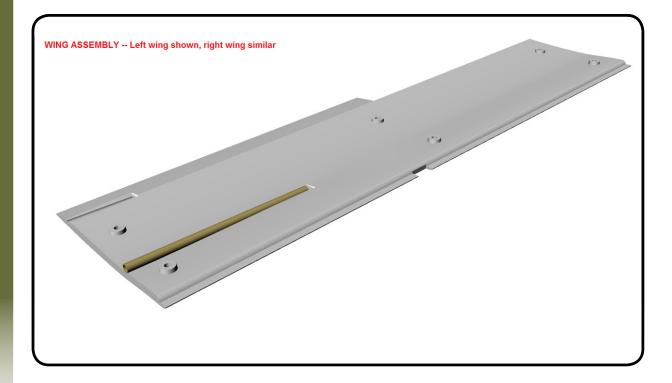






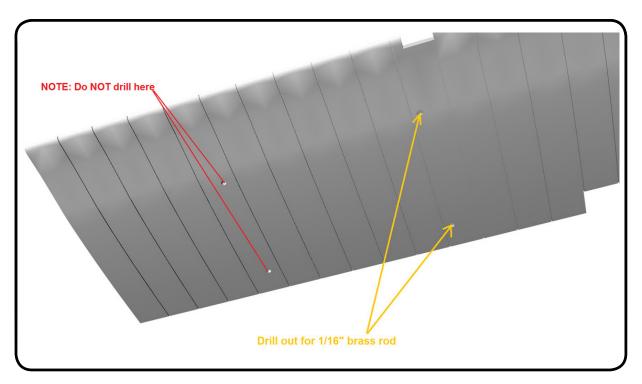




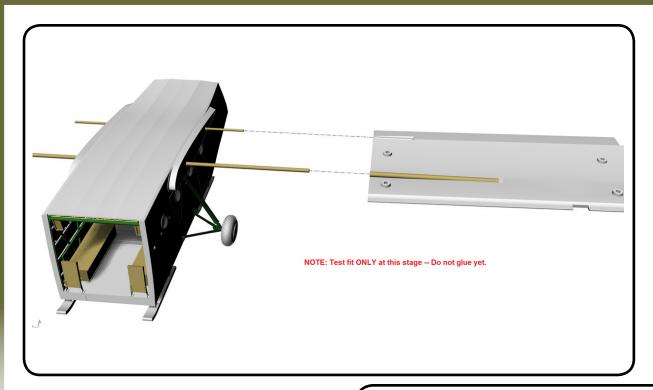


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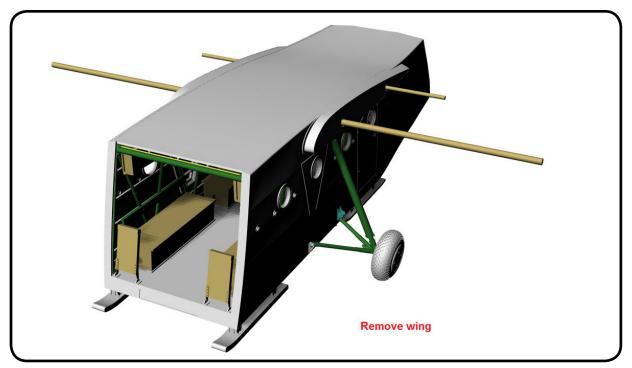


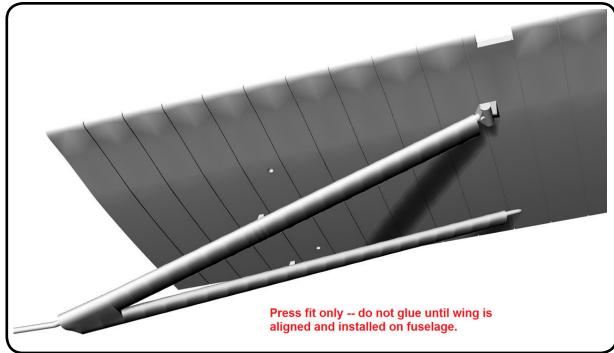


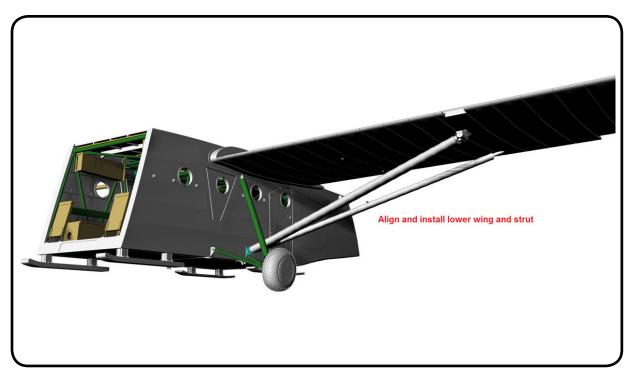


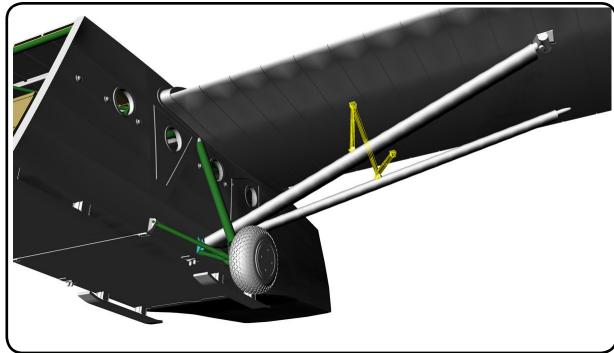




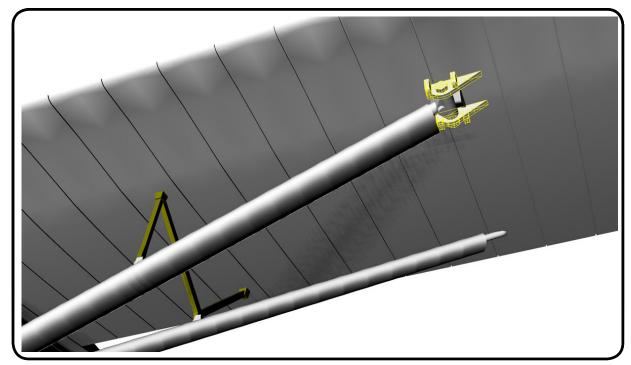






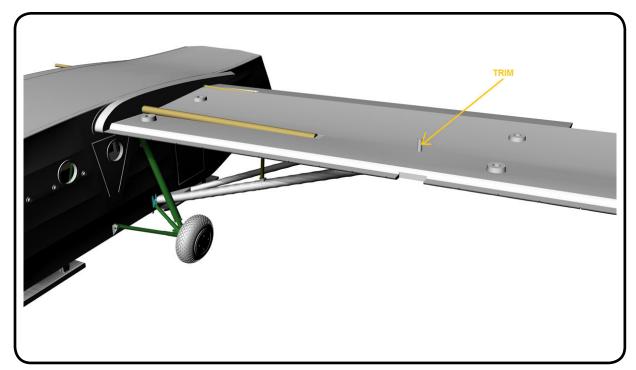


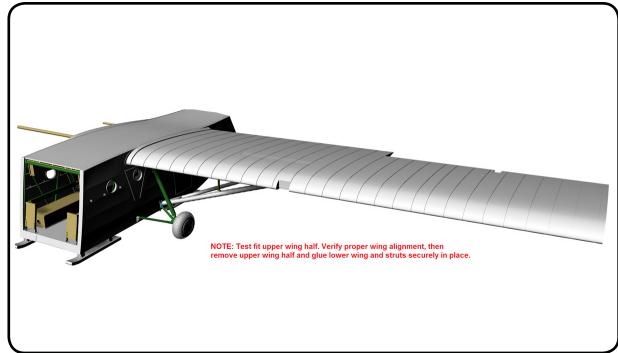


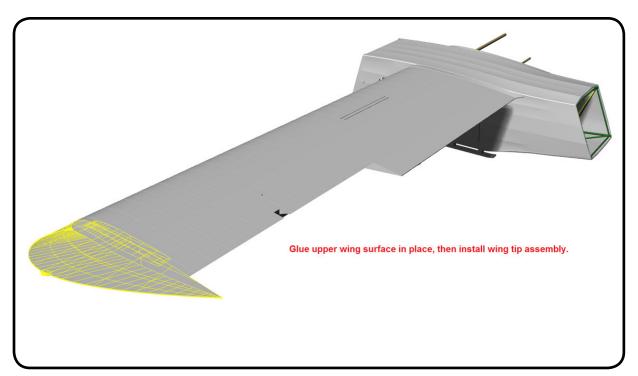


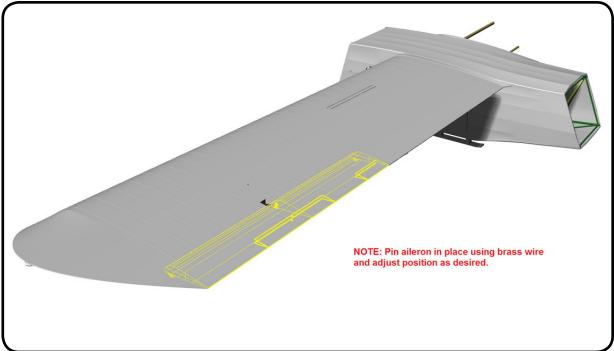




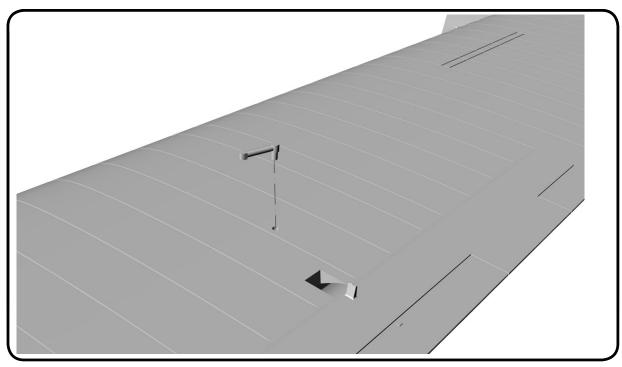




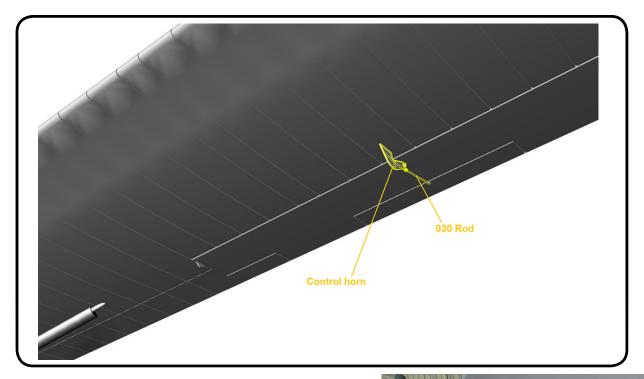






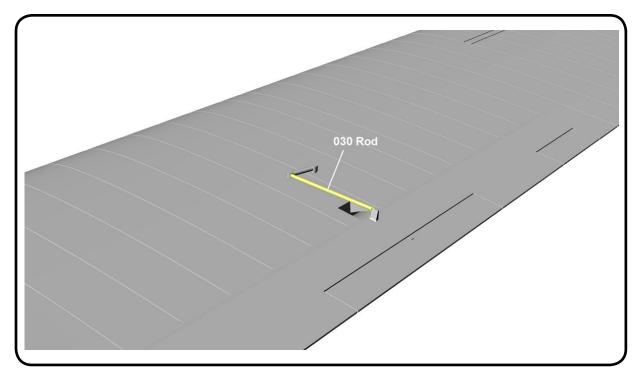


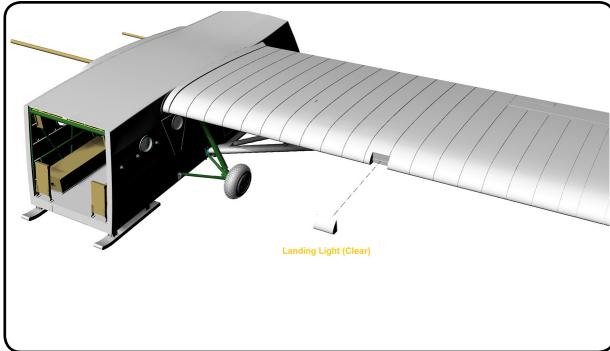


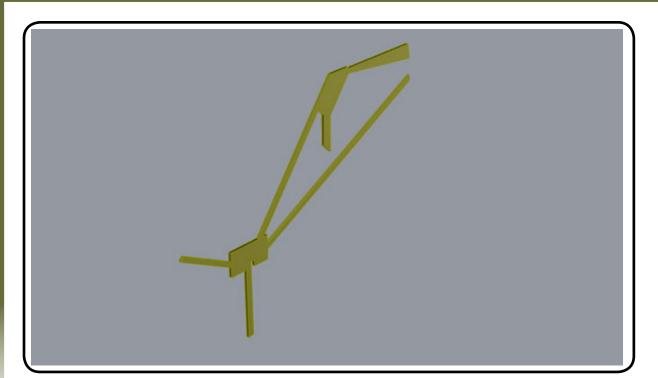




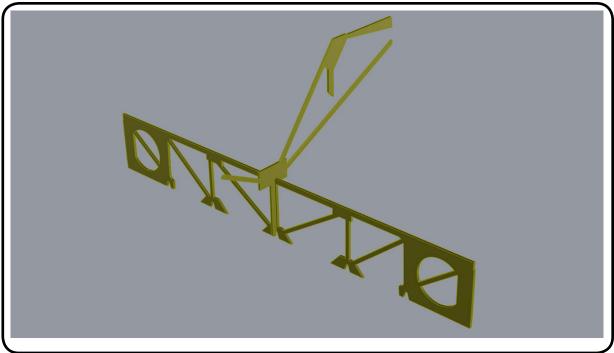


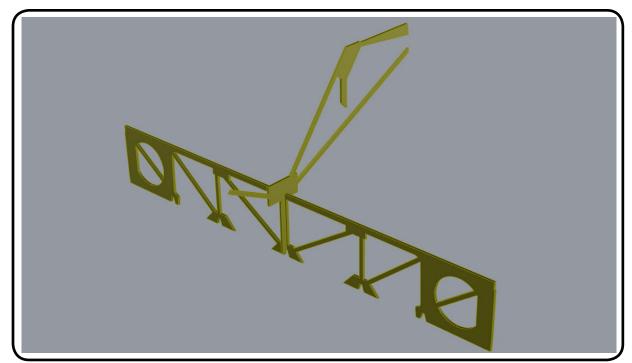


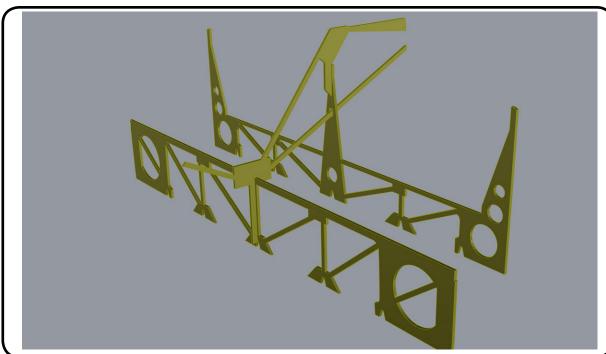




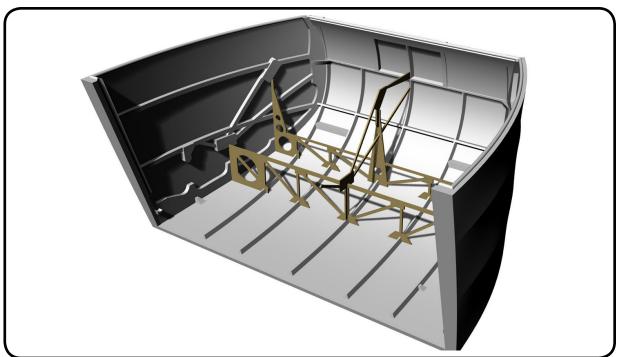
## COCKPIT ASSEMBLY

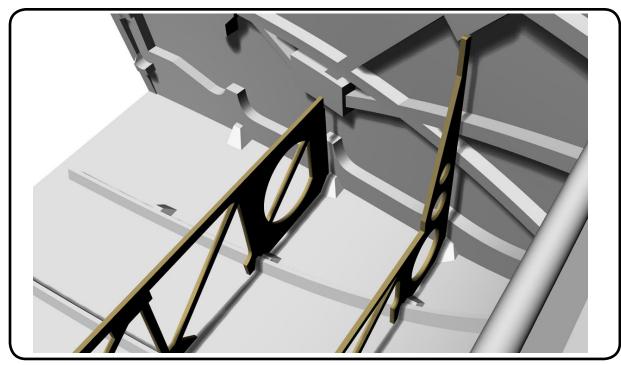


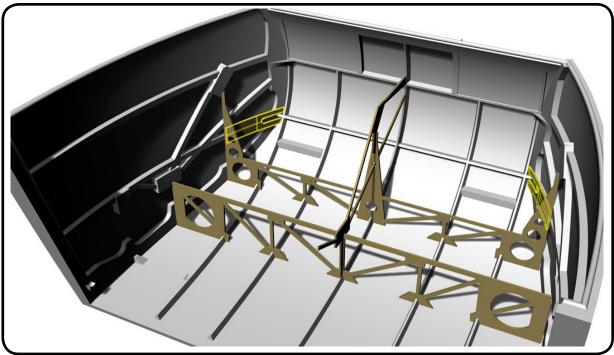






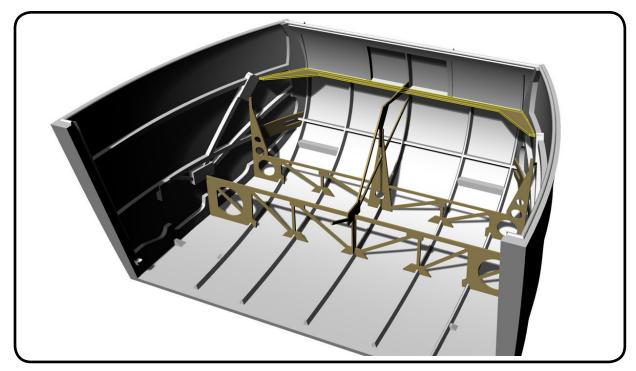


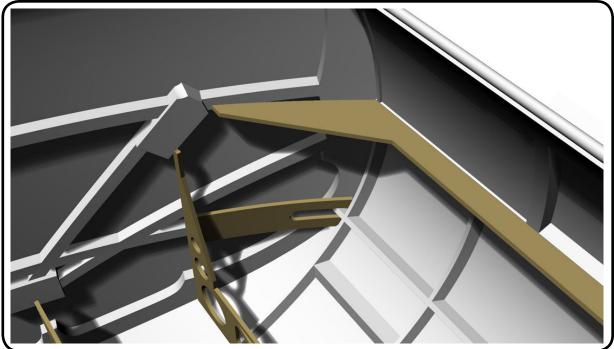


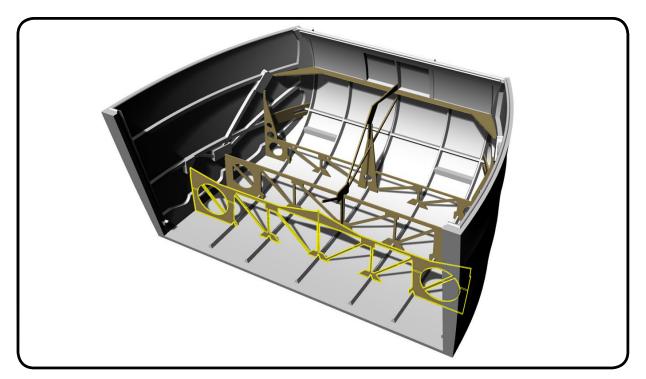




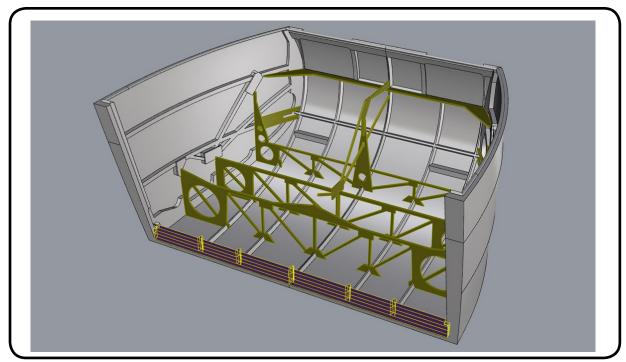


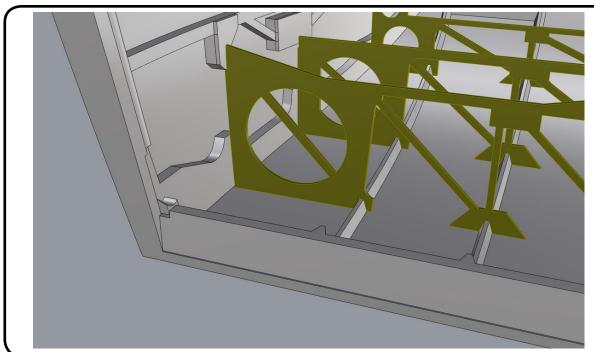












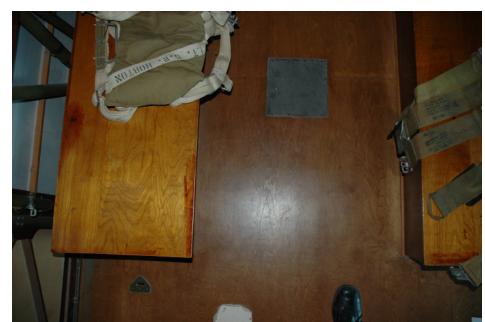
WWII SERIES















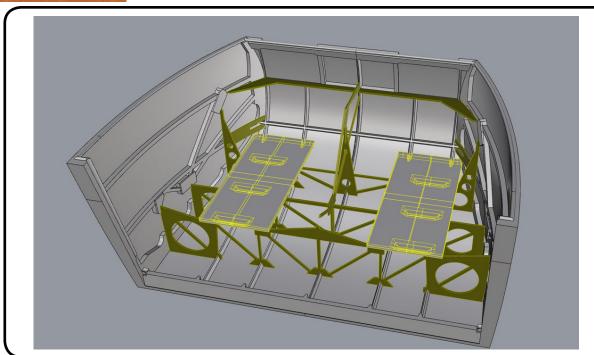


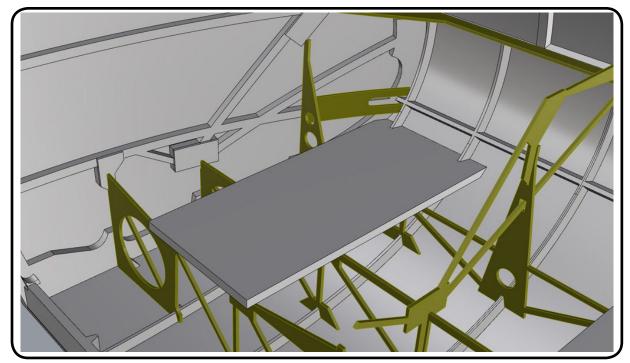


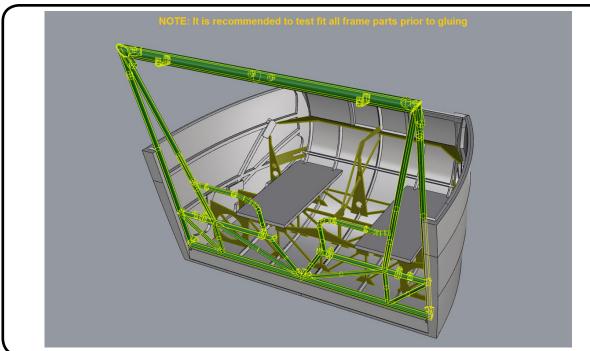




Cut and apply plywood decals for floor and seating surfaces

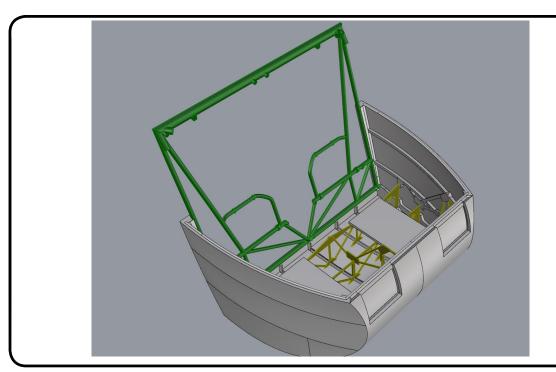




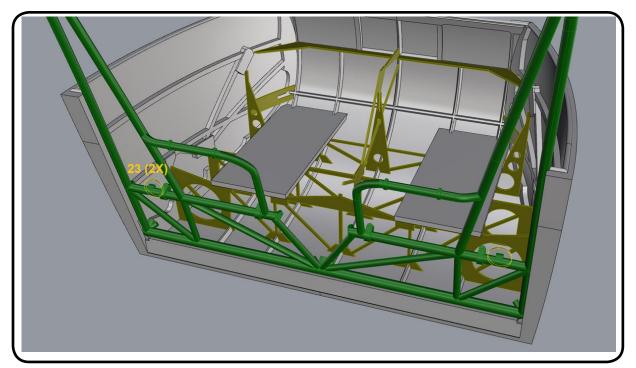


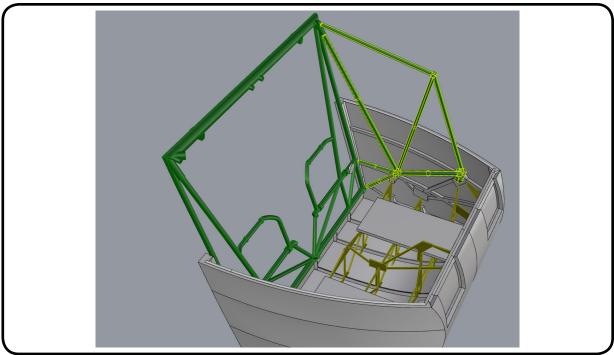




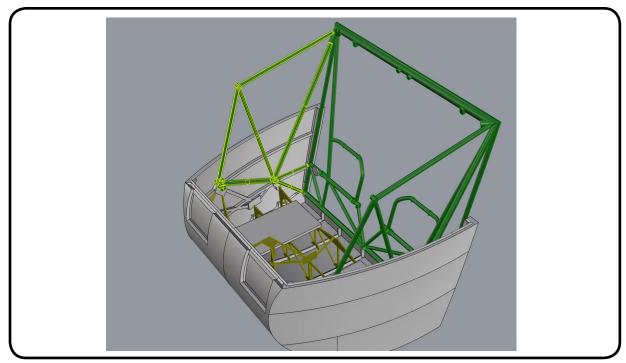


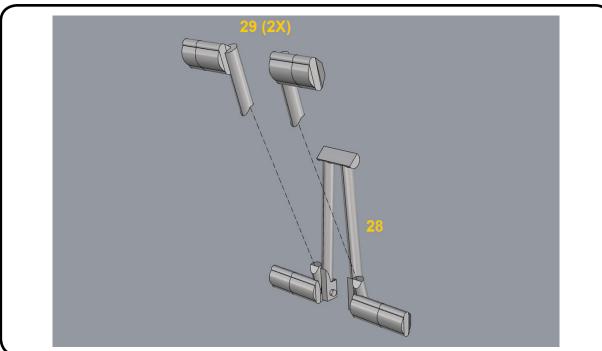




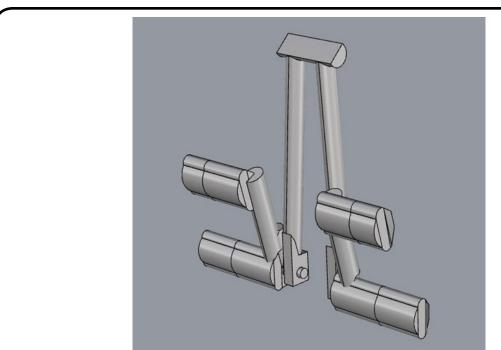


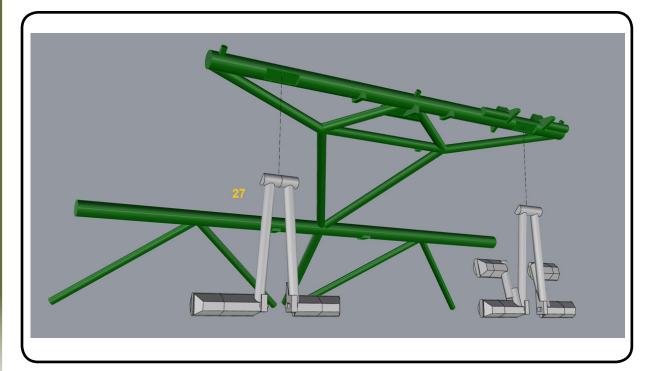




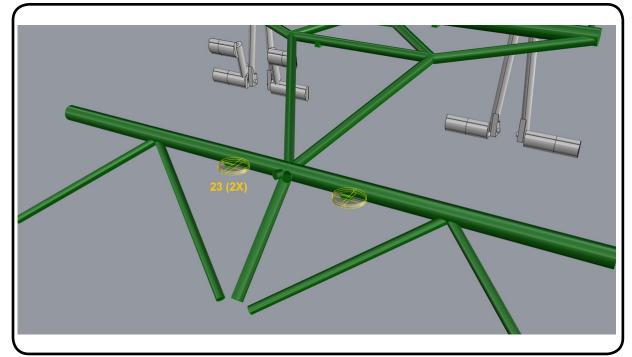


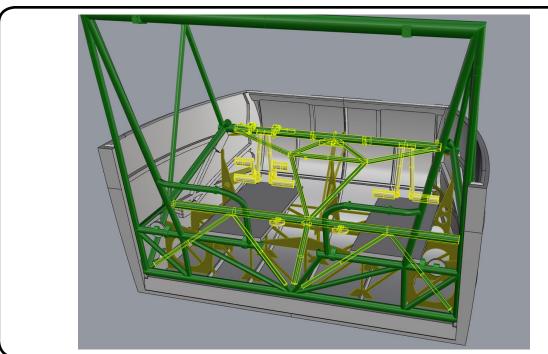












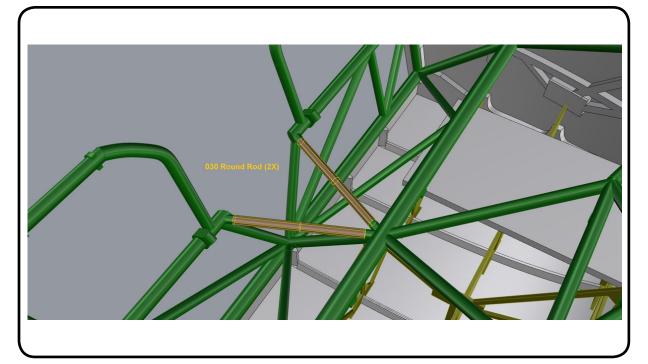


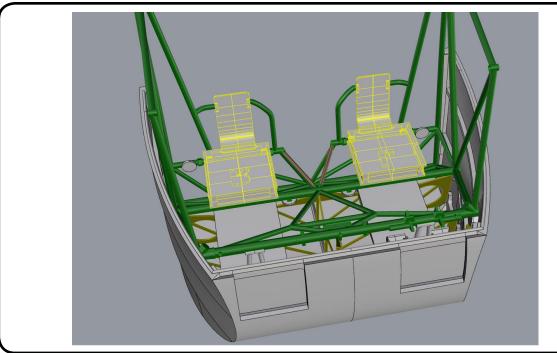
WWII SERIES

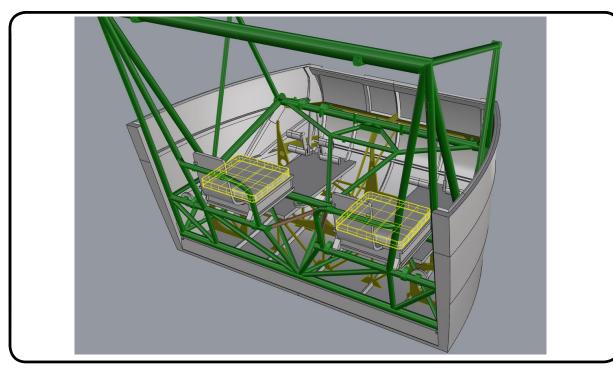






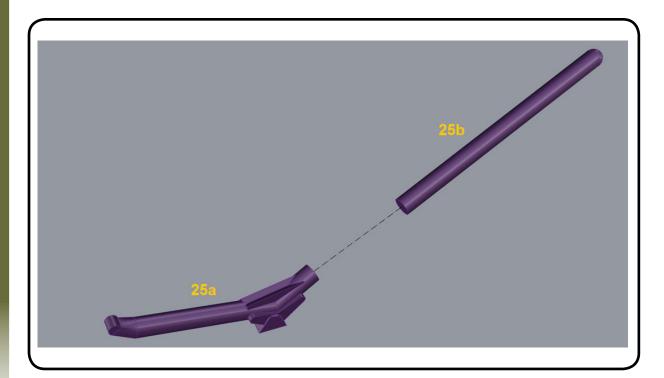


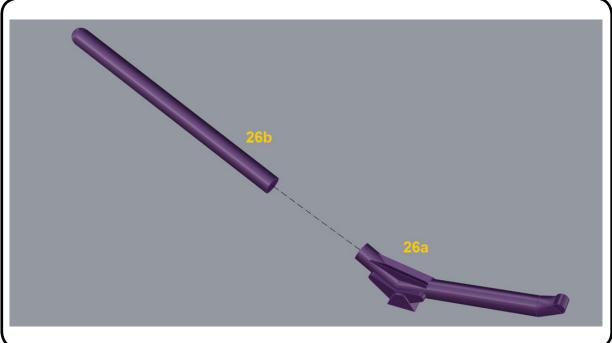


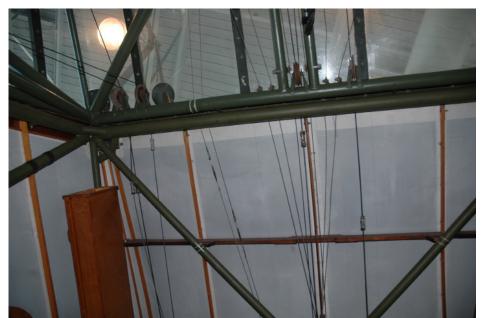




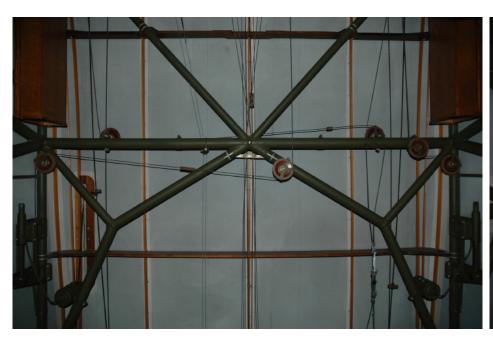




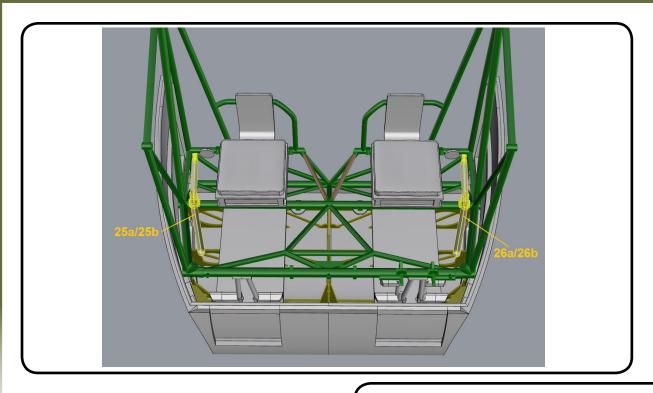


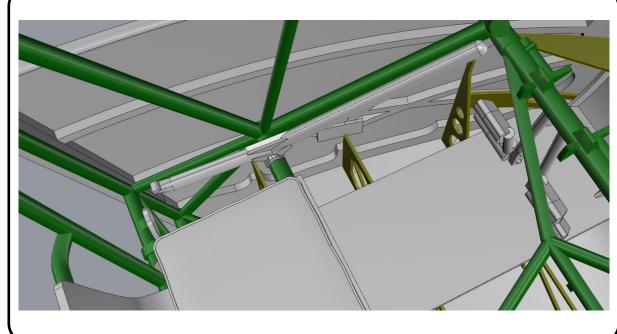


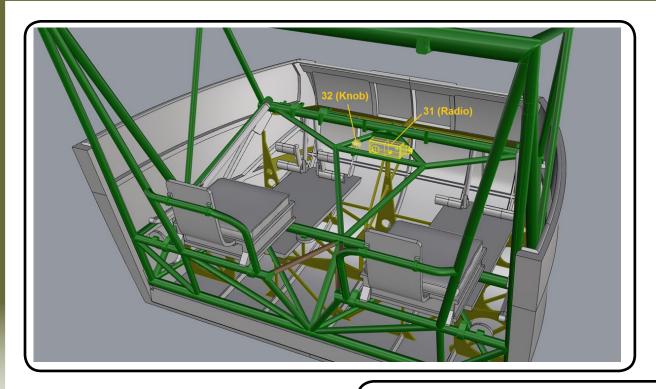


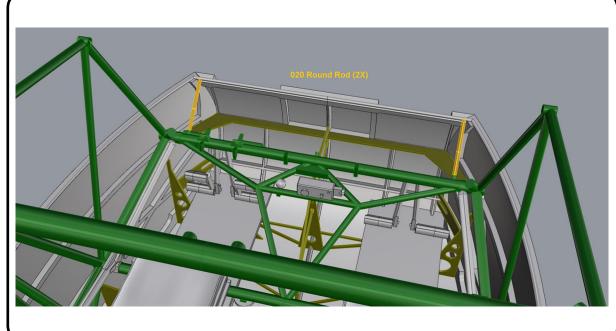


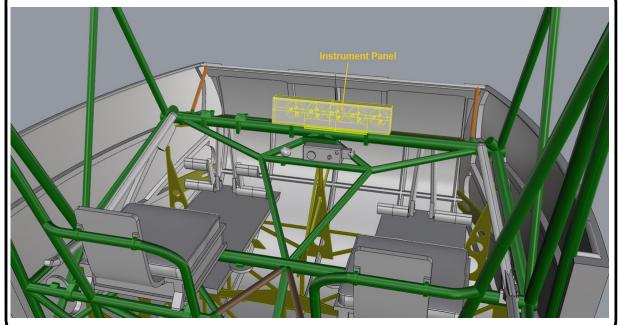












## Apply dash decals





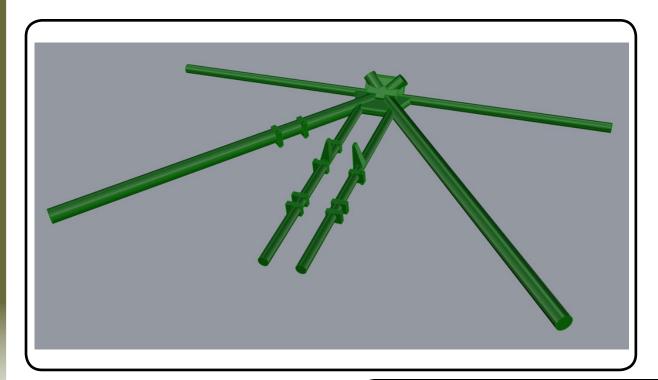
Use .010" styrene flat for decals and glue in place Top warning labels should use 15.5mm x 2mm Bottom warning label should use 3.25mm x 1.25mm

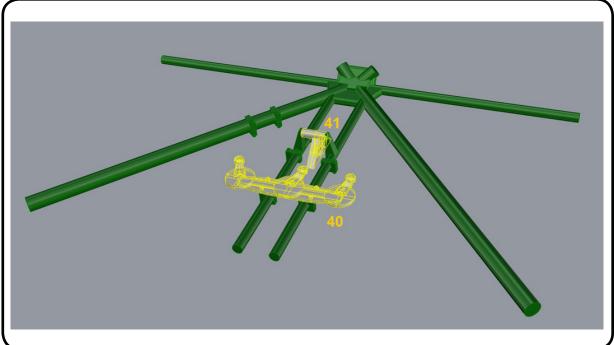






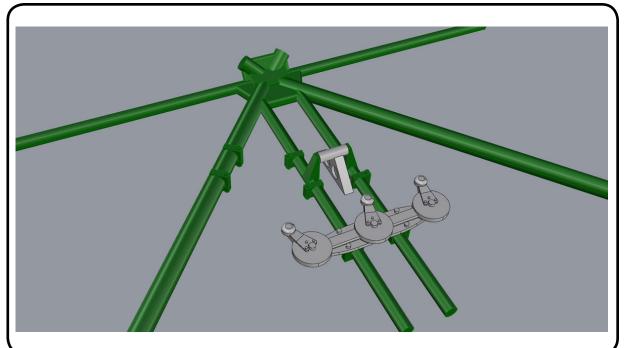


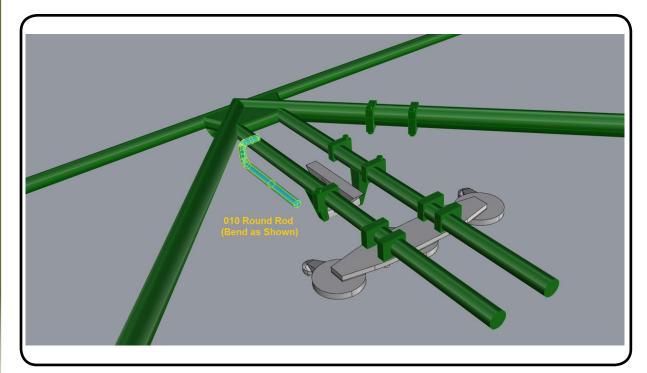


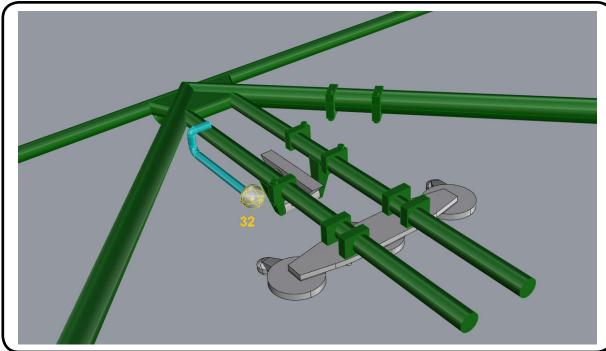




\*\*\*NOTE\*\*\*
A thin string can be used for the control cables stretched between the control wheels





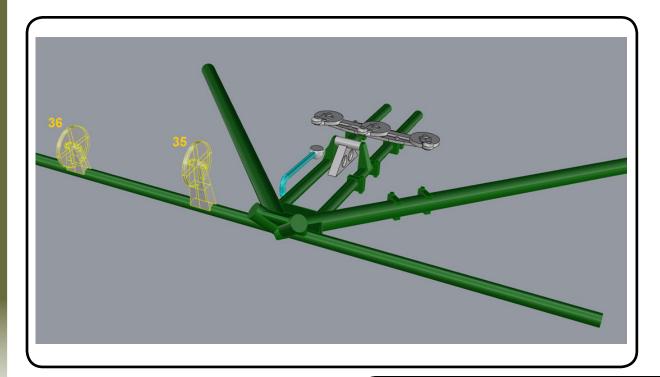


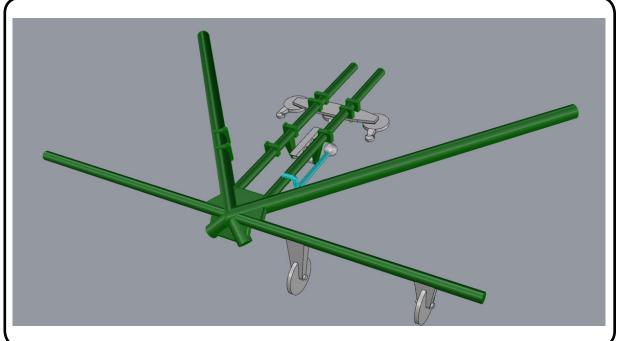


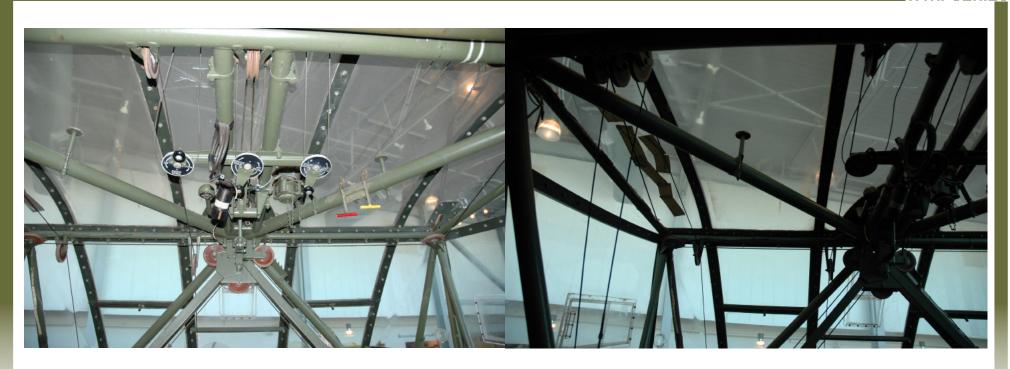




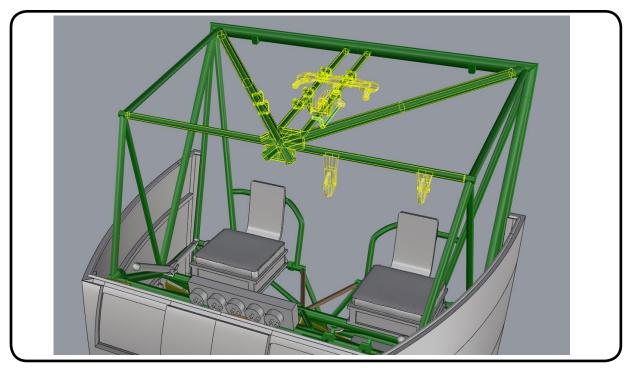


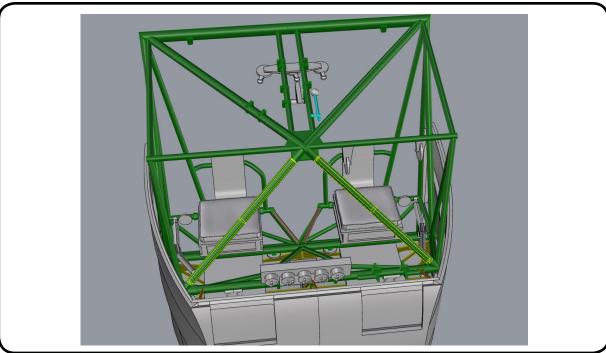


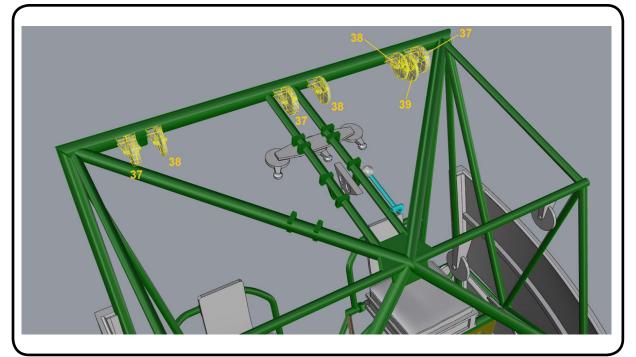


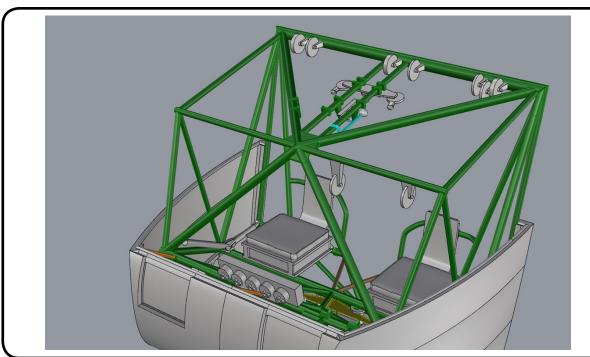


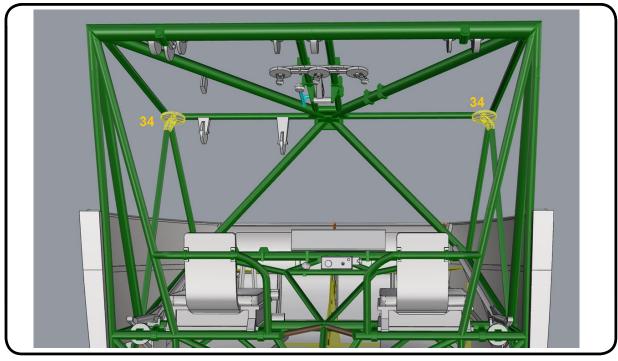




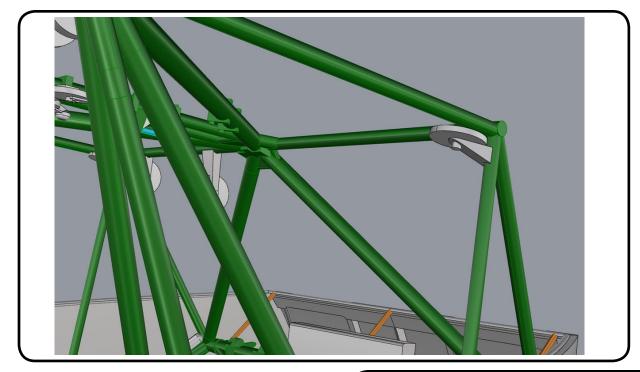


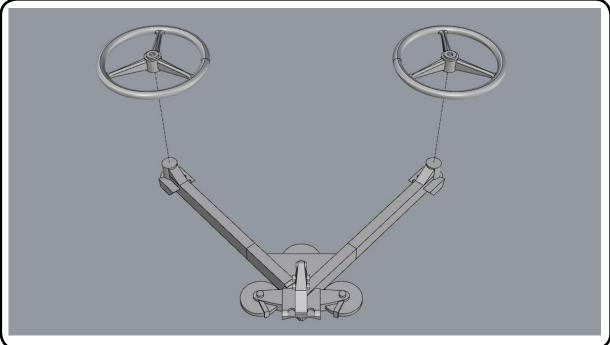


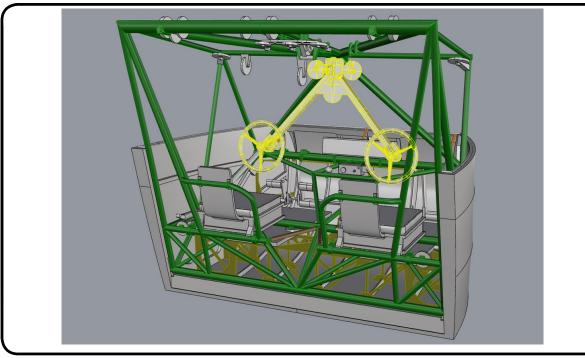




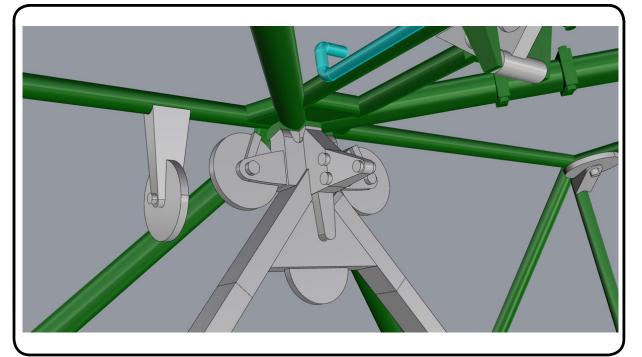










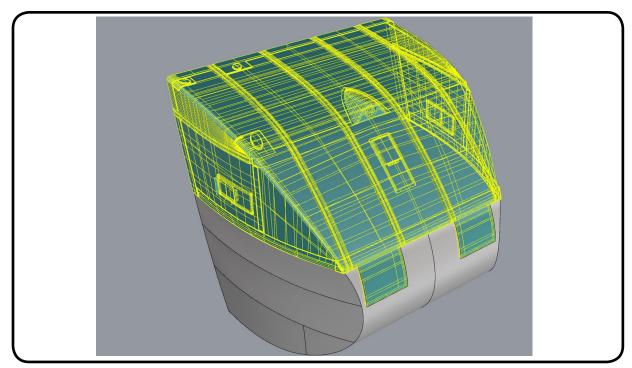


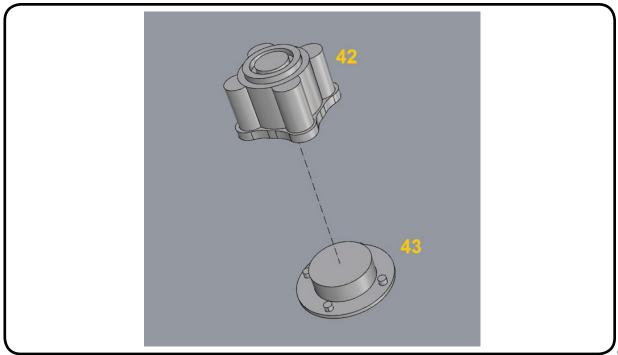


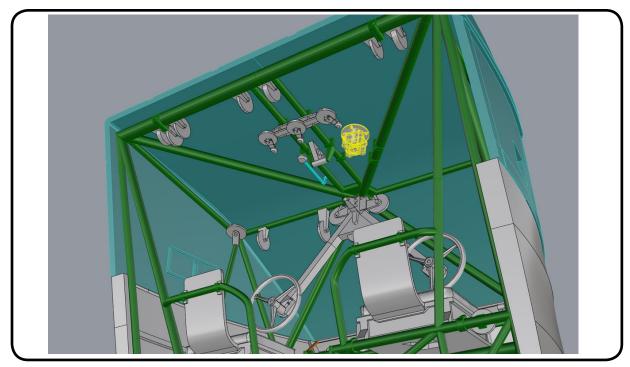
WWII SERIES

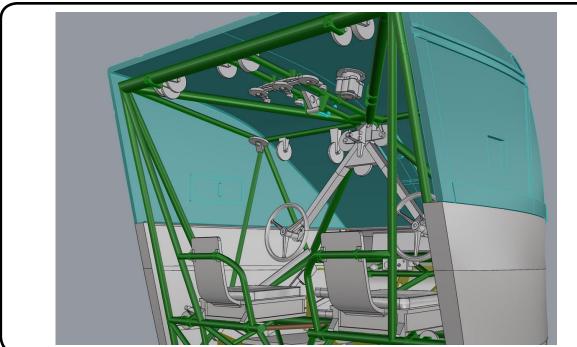


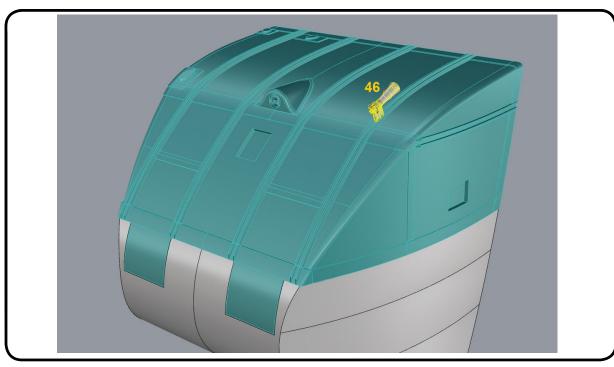








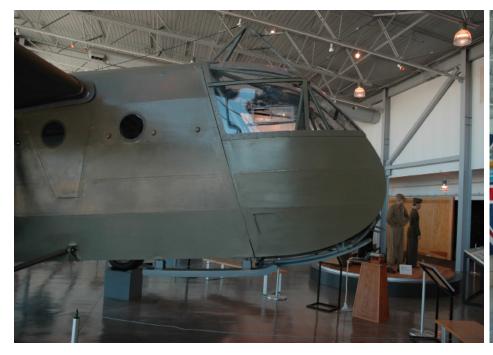






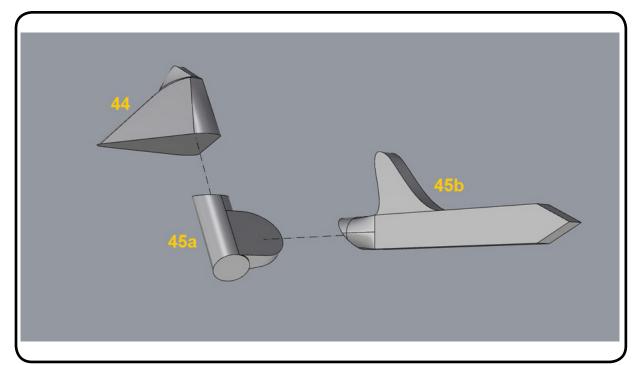


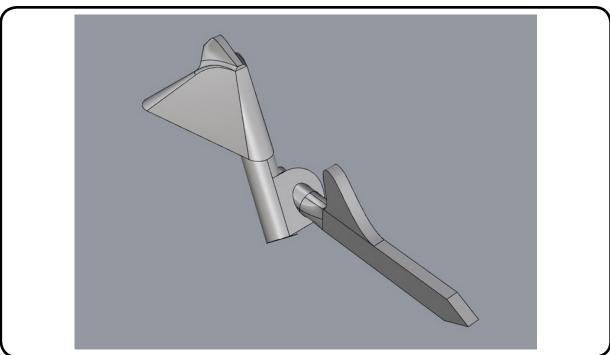




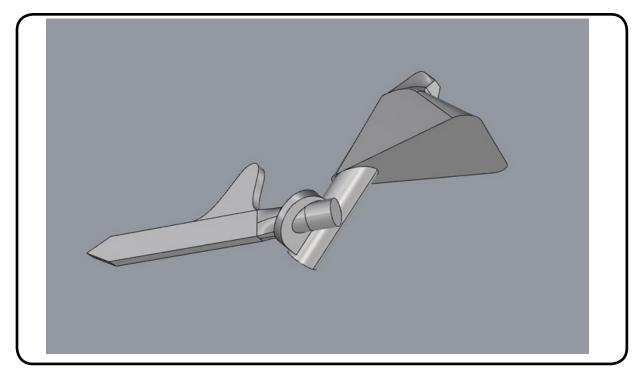


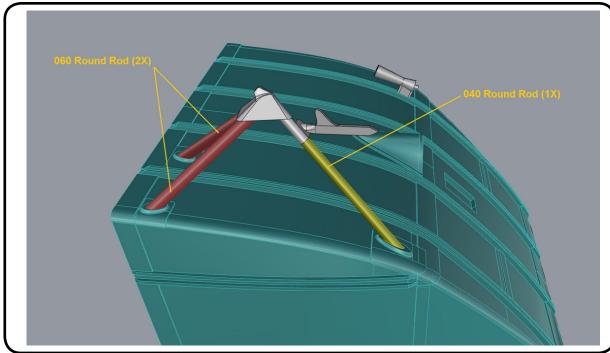


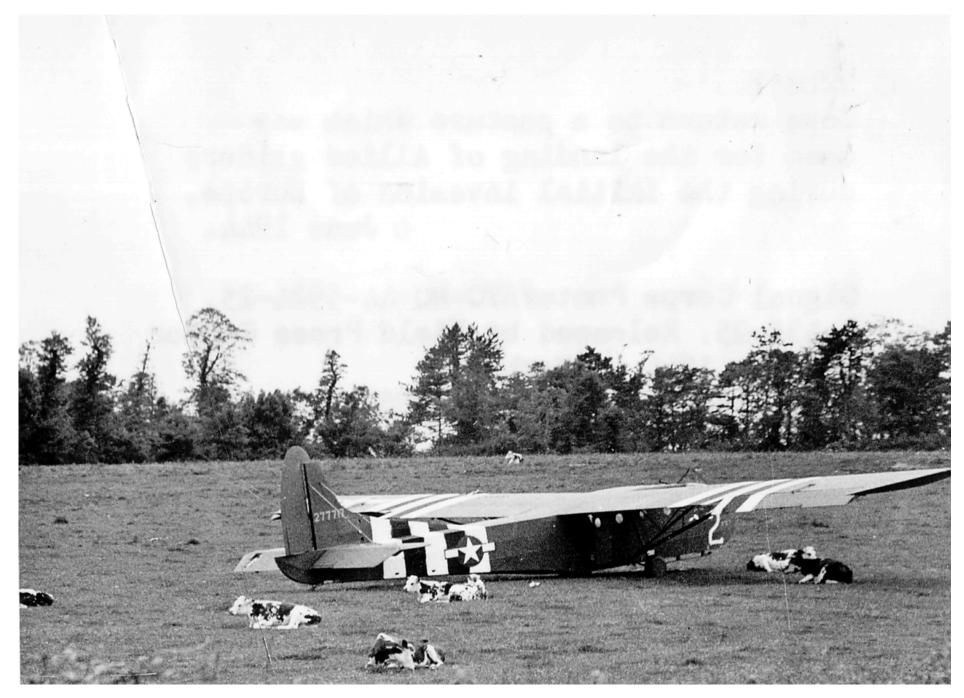










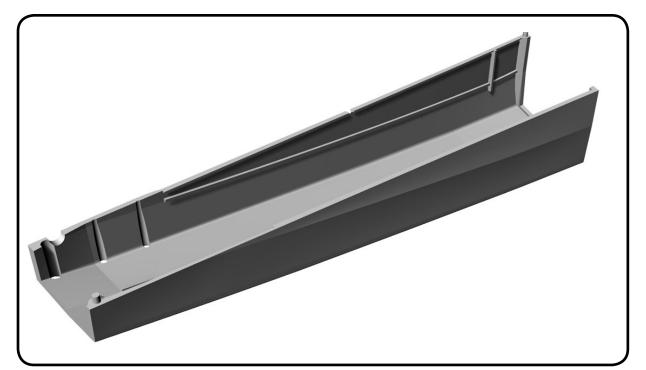




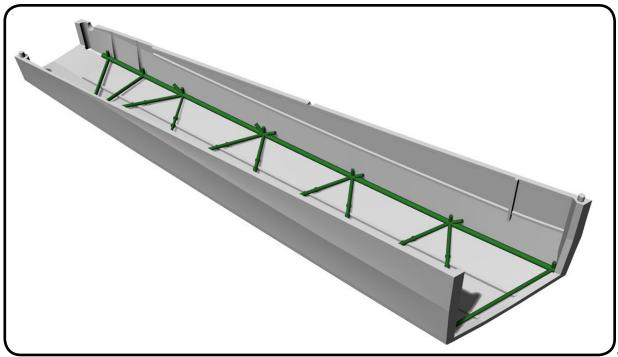




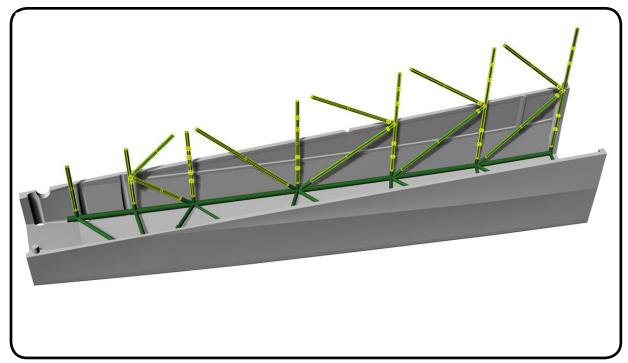


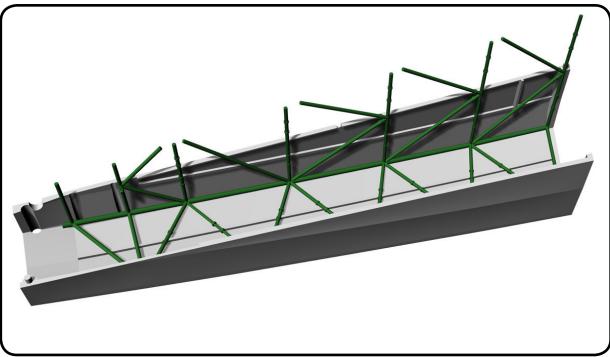


## TAIL ASSEMBLY

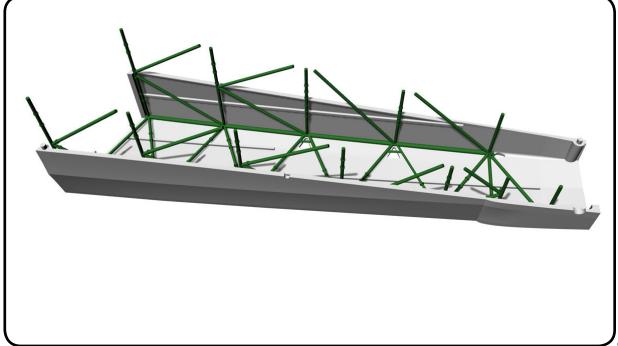




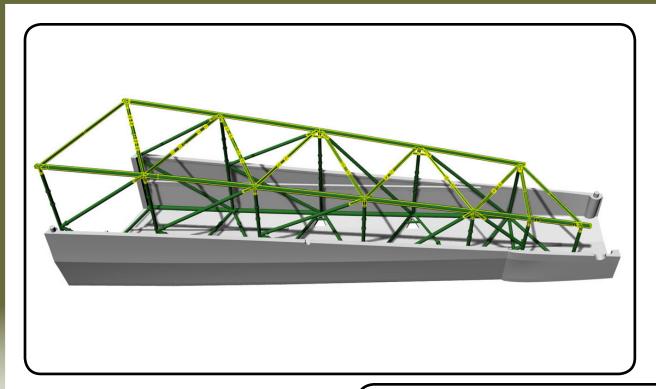


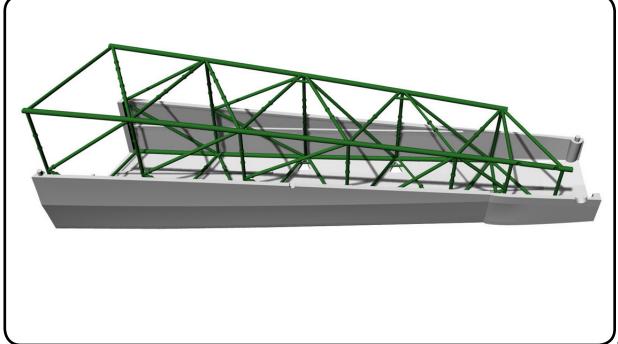






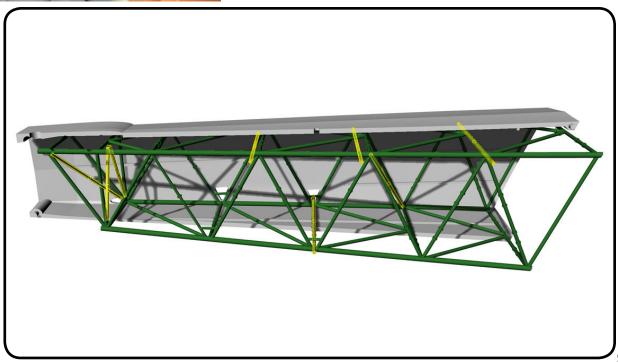




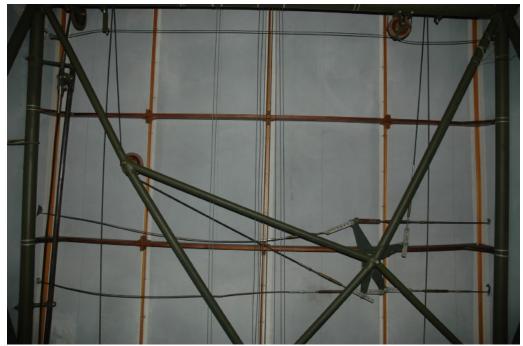




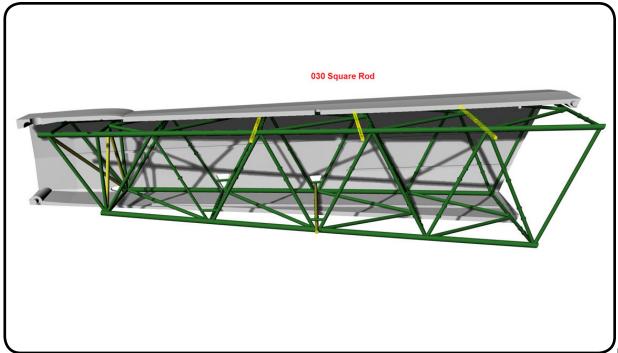




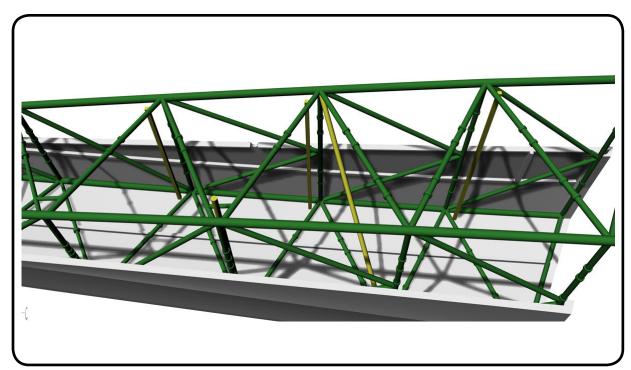


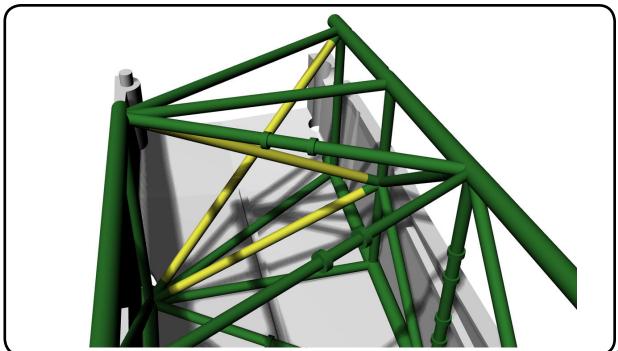




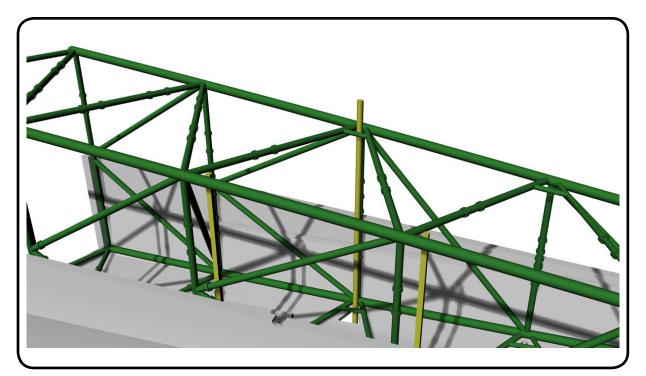


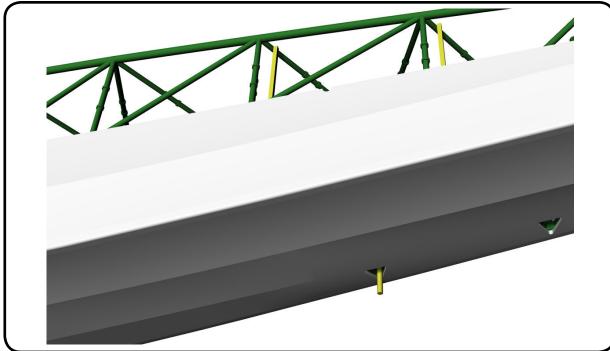




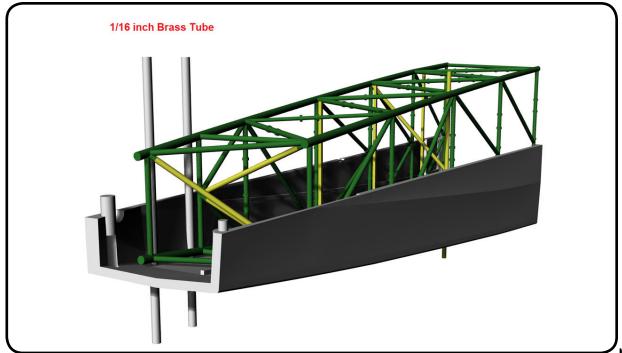


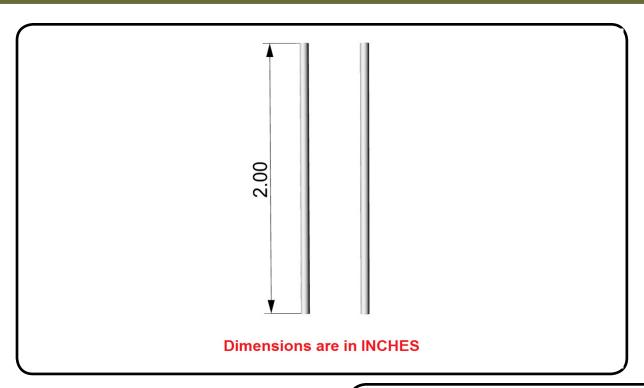


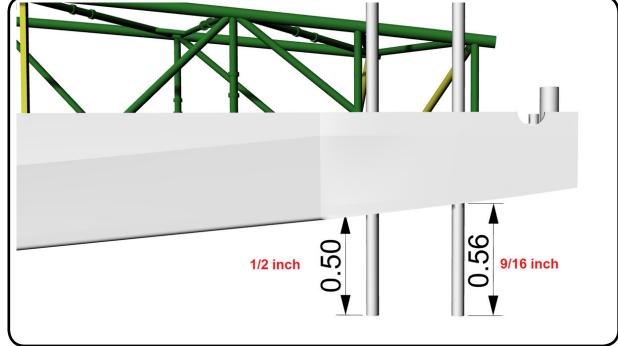




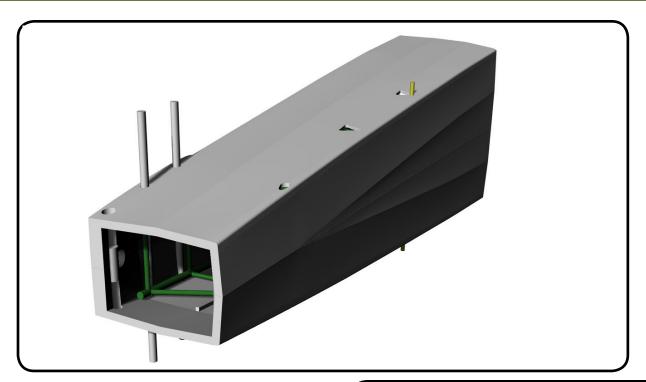


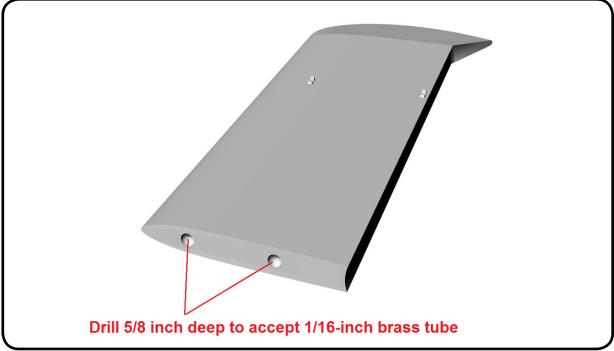






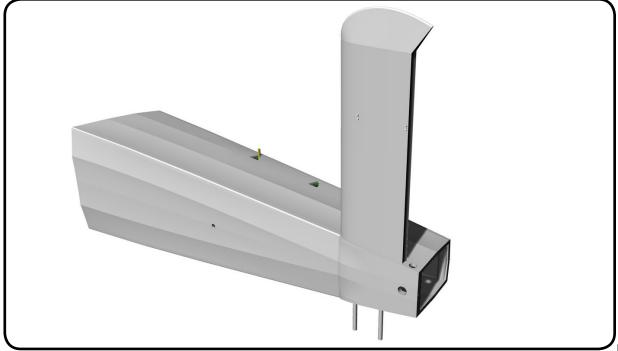




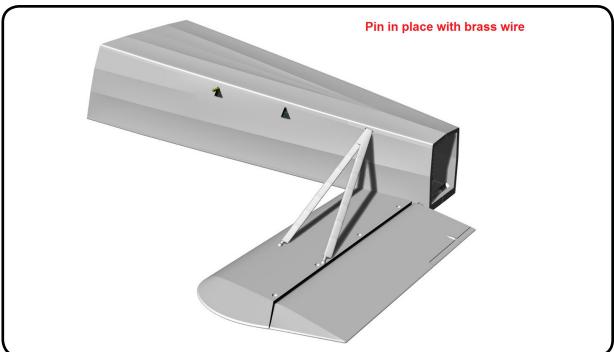




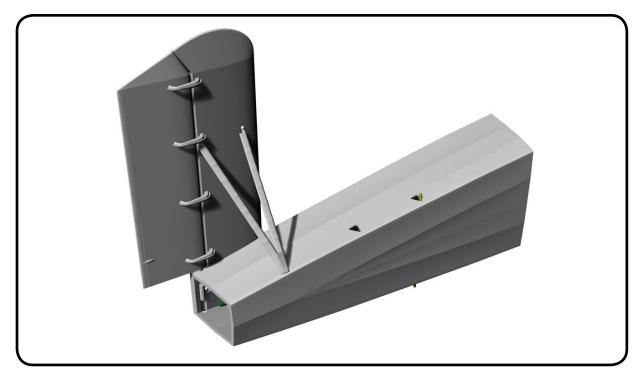


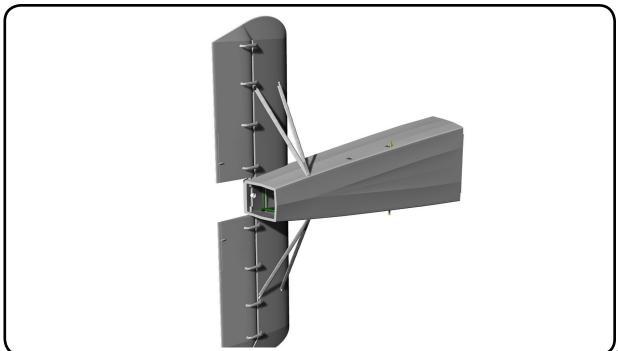








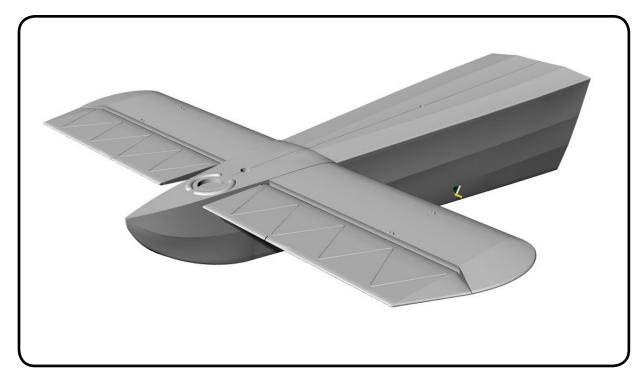


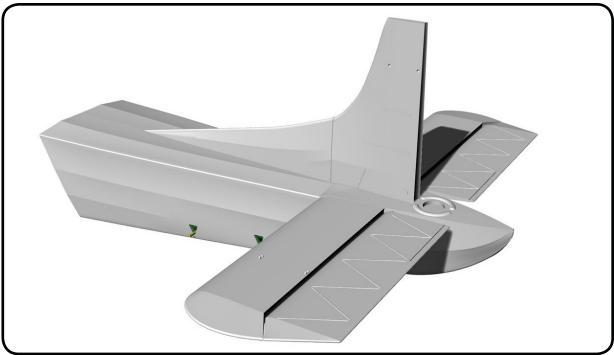




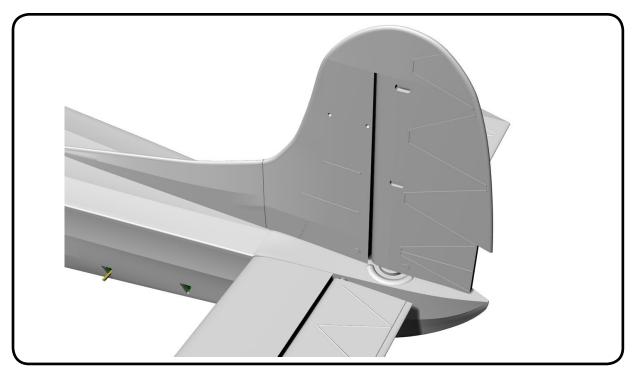


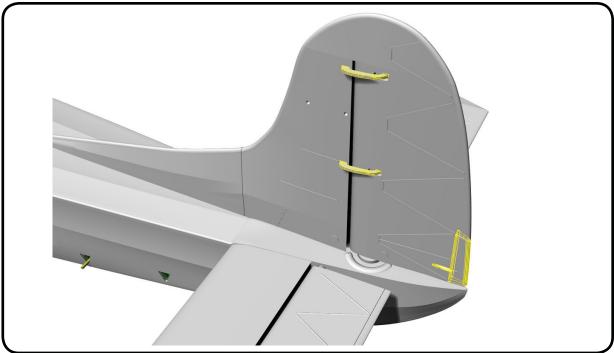


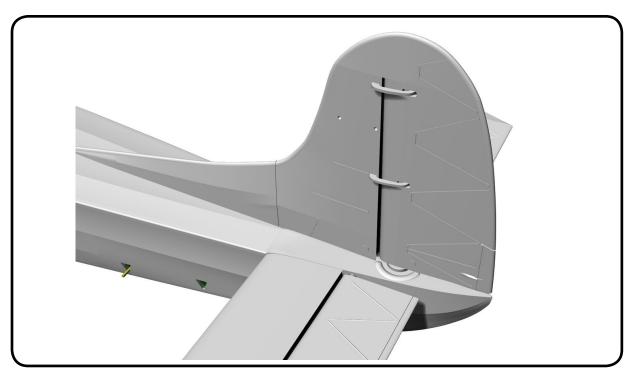


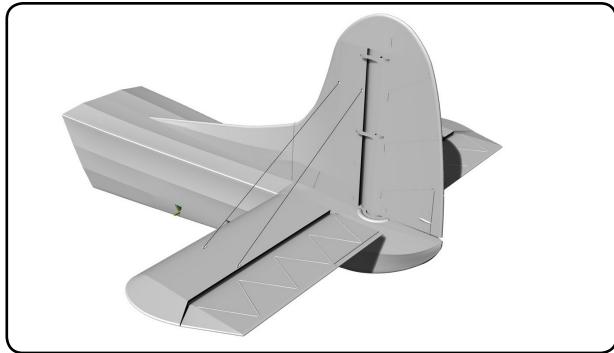


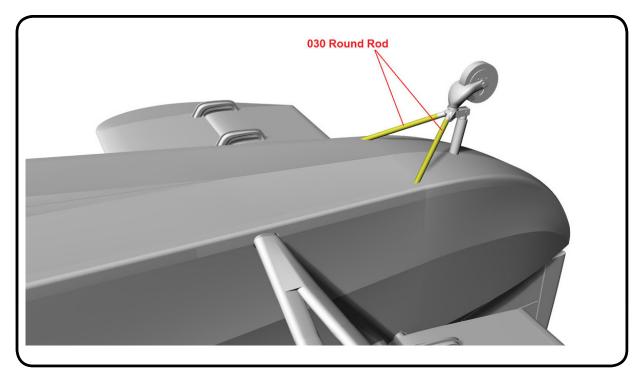




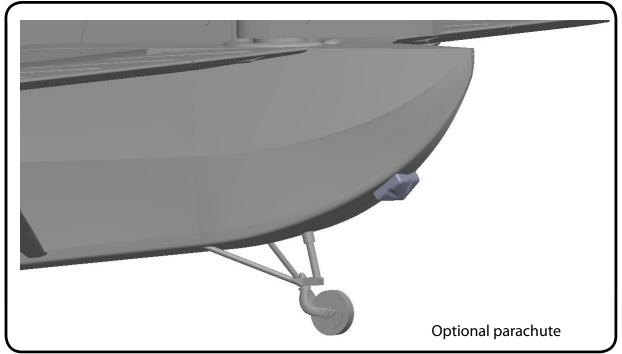














## USAF

## DECALS



August 19, 1919-May 6, 1942
The red circle was slightly smaller than the previous version, painted in Flag Red and Flag Blue through the late '20's where it was changed to Insignia Red and Insignia Blue.

RAF



May 6, 1942-June 28, 1943
The red circle could be confused with the Japan
Hinomaru roundel and was therefore removed.





June 28, 1943-August 14, 1943
The shape of the insignia was deemed more important that the colors so the roundel now featured bars with an Insignia Red outline.

June 1940-July 1942 The Type A.1 roundel was used on single and twin engine fighters, light and medium bombers and gliders.



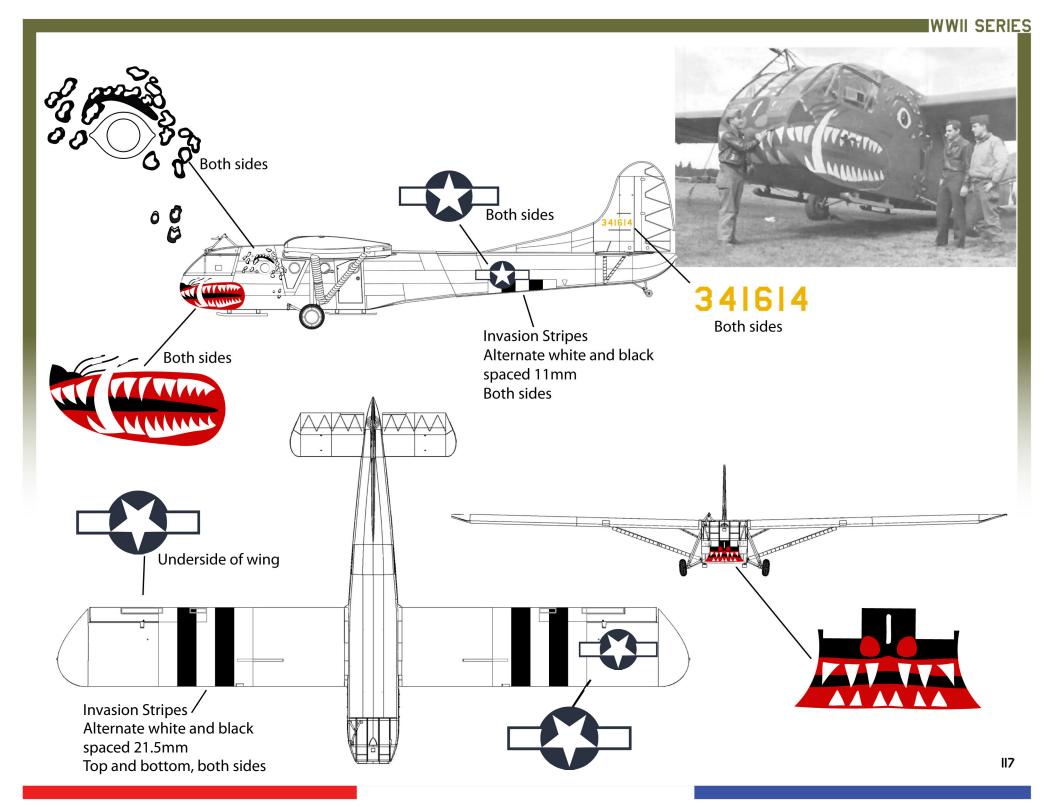
June 28, 1943-August 1943
Several Pacific units added the bars but left out the red outline until orders came to add a blue outline.

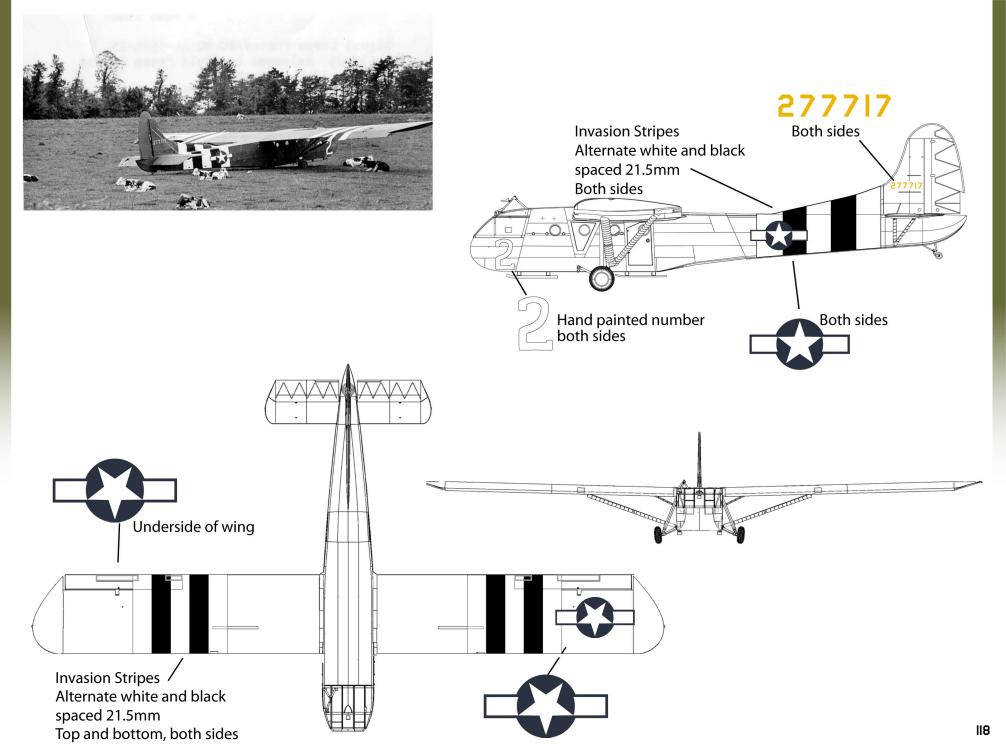


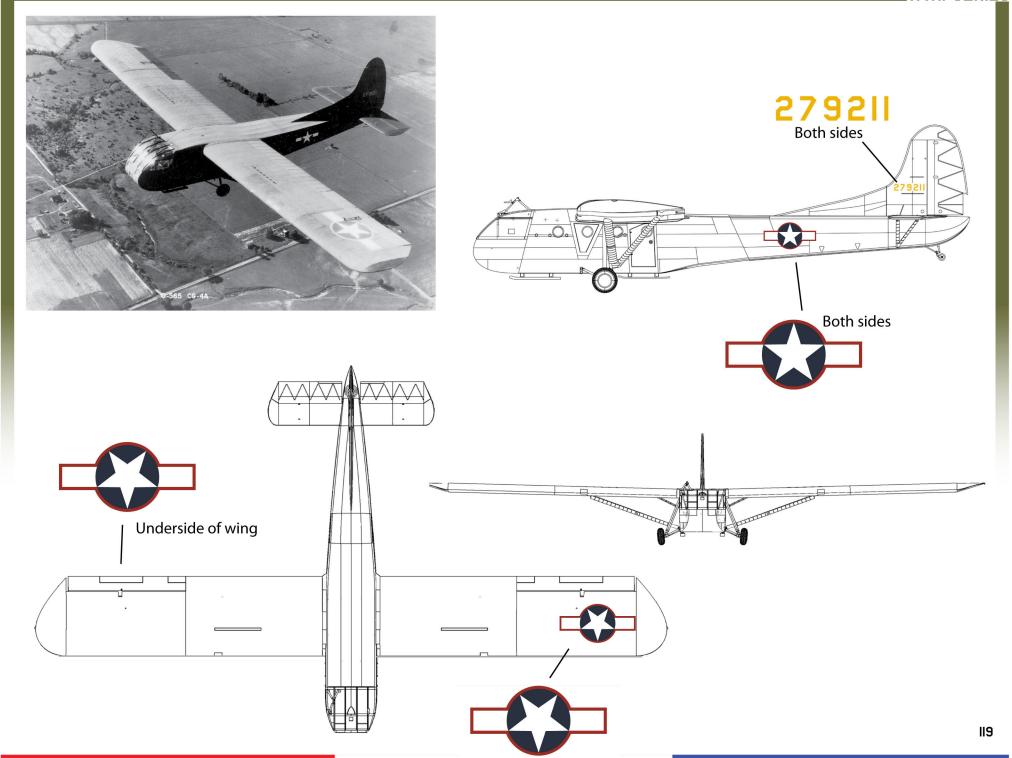


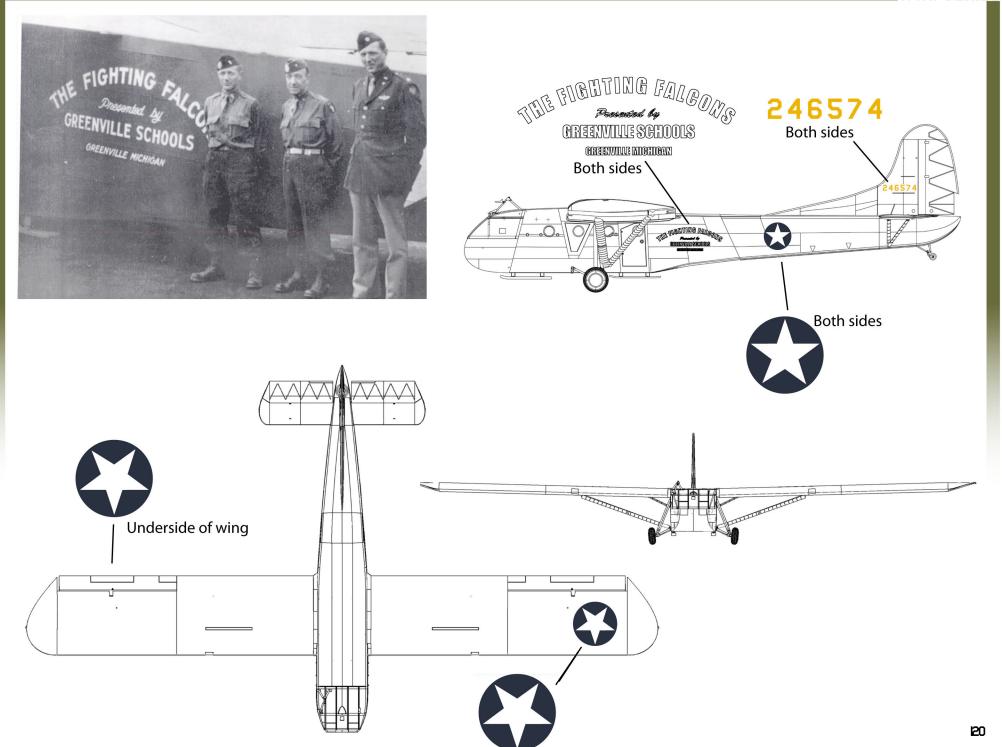
August 14, 1943 - January 14, 1947 The Insignia Blue outline replaced the Insignia Red outline due to the amendment of Army-Navy aeronautical specification AN-I-9 on August 14, 1943. July 1942

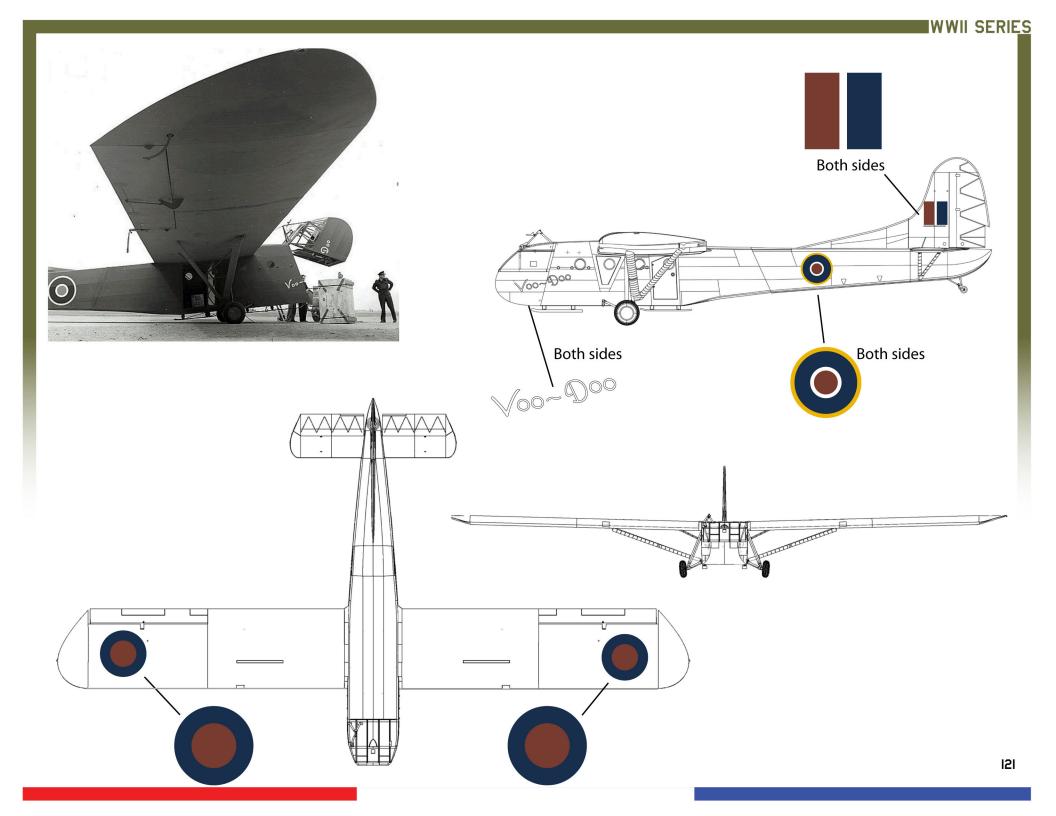
The Type C.1 roundel was used on single and twin engine fighters, light and medium bombers and gliders.



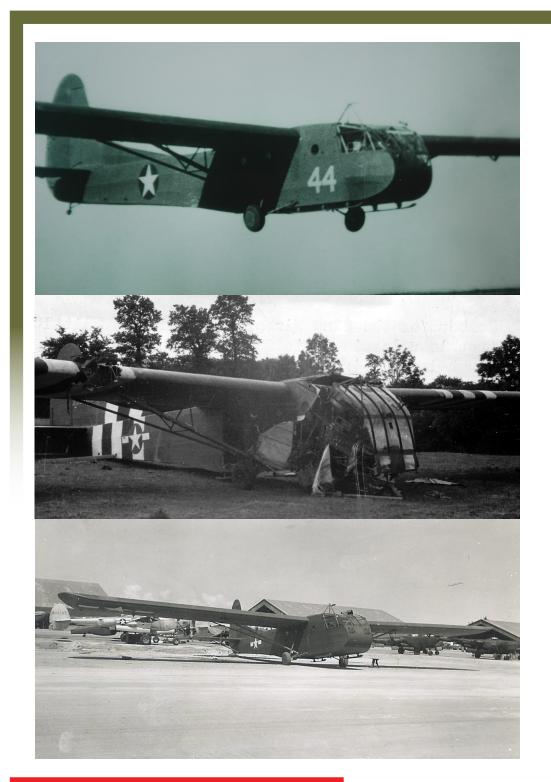








IWWII SERIES





## **CREDITS**



The box art cover painting Come in Fighting was painted by artist James Dietz and originally commissioned for a limited art print by the 325th Regiment U.S. Army. This and other prints are available through American Art & Antiques in Staunton Virginia. For further information visit www.jamesdietz.com.

CAD	Charles Adams
Boxart and instructions	Jason Godsil
Pattern work	John Geigle
Molds and casting done by	www.creativecastparts.com
Produced by	www.MasterpieceModels.com

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Silent Wings Museum
www.SilentWingsMuseum.com
The Legacy of the WWII Glider Pilots