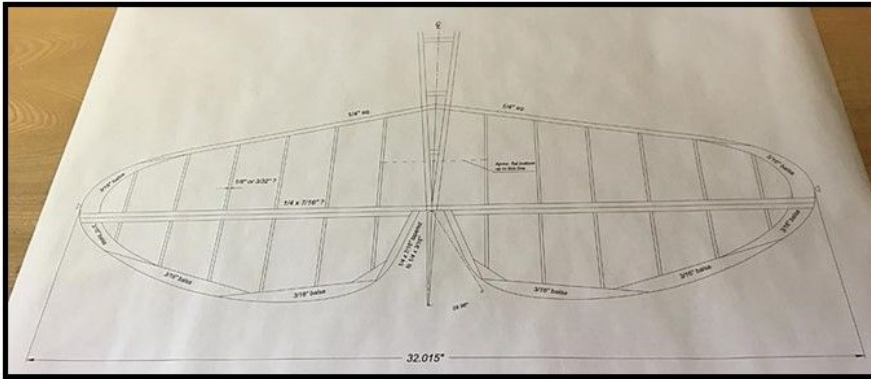


From: "Tandy Walker" <rdb435021@icloud.com>
 To: "Tandy Walker" <rdb435021@icloud.com>
 Date: 3/13/2018 6:40:48 PM
 Subject: 83 Lancer 850 - Horizontal Tail Construction (Part 1)

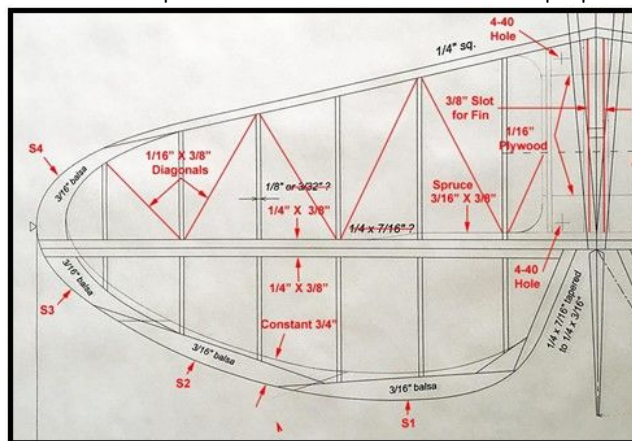
Report No. 83
 New Cyclone Lancer 850
 March 13, 2018

Well I finally completed our Federal and non-resident Oklahoma taxes this morning and went to the post office and mailed them both. I am sooo glad to be done with that chore!

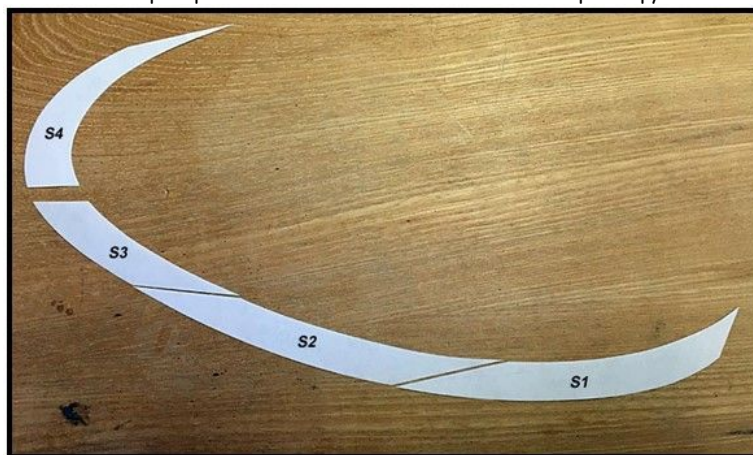
After receiving the DWG file for the Lancer 850's horizontal tail last Thursday, I had Victor Quintero at the copy center print out two (2) copies of the file shown below.



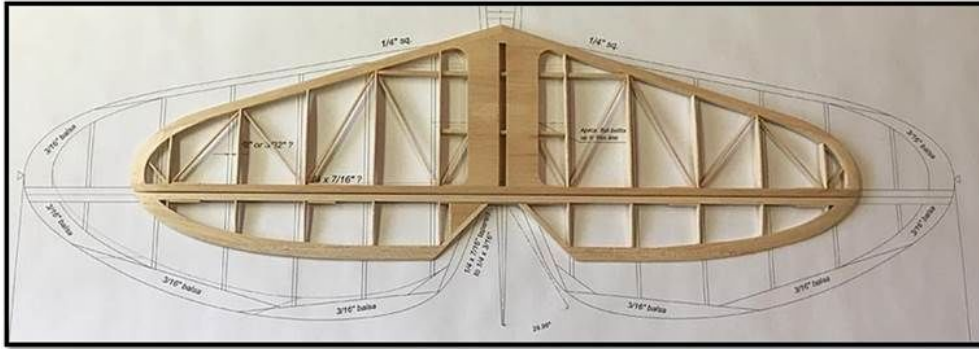
I spent the remainder of that afternoon modifying one of the drawing as shown below. I could not find 7/16" wide stick wood so a 3/16" X 3/8" spruce doubler was put on the inside of the stabilizer's rear spar part way out on each side.



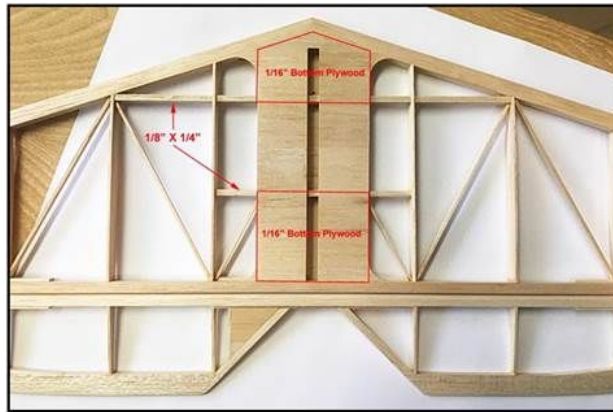
The horizontal tail's part patterns shown below were cut out of the plan copy shown above.



I still have the horizontal tail structure from my previous Folly, which I placed down on Alfredo's drawing of the Lancer's horizontal tail structure shown below.



So on Friday I decided to incorporate the two 1/8" X 1/4" short intermediate spars shown on the Folly's stabilizer structure below. This will reinforce the center section of the Lancer 850's larger stabilizer. Notice that both intermediate spars carry through the opening for the fin slot. I have also outlined the two bottom inlays of 1/16" plywood that (1) provided for attachment and (2) and tied the LE to the longer front intermediate spar and the TE to rear shorter intermediate spar.



I plan incorporate these modifications on the remaining stabilizer drawing in the morning. Then I will start building the horizontal tail while I wait for Alfredo's DWG file with the fuselage's five top aft bulkhead drawings (P, Q, R, S, & Tail Post) shown below. However, when I receive Alfredo's DWG file, I will stop work on the horizontal tail and turn my attention to developing the aft fuselage structure for mounting the stabilizer as I am most anxious to get into working out the details this design design.....Tandy

