

# Modification Report

**MOD # : MOD-002**

**Taran Laval – SAAA Builder 7417  
Van's Aircraft RV7 - 73918**

## UPPER WING SINGLE PIECE SKIN

**I HAVE DECIDED TO MODIFY MY UPPER WING TO INCORPORATE A SINGLE  
PIECE UPPER WING MAIN SKIN TO REPLACE THE ORIGINAL 2 PIECE MAIN SKIN**

- EXISTING INBOARD UPPER SKIN W-702
  - 2024-T3 ALCLAD ALUMINIUM SHEET
  - .032" THICKNESS
  - 1175MM LONG
  - 728MM WIDE
- EXISTING OUTBOARD UPPER SKIN W-704
  - 2024-T3 ALCLAD ALUMINIUM SHEET
  - .025" THICKNESS
  - 1648MM LONG
  - 728MM WIDE
- REPLACEMENT UPPER SKIN
  - 2024-T3 ALCLAD ALUMINIUM SHEET
  - .032" THICKNESS
  - 2784MM LONG
  - 728MM WIDE
- THE 9<sup>TH</sup> ROW OF RIVETS FROM INBOARD, IMMEDIATELY OUTBOARD OF RIB #8 WILL BE DELETED AS IT ONLY FASTENS THE W-702 SKIN TO THE W-704 SKIN
- THE EXISTING SKINS ARE PREPUNCHED, TO PREPUNCH THE RIVET PATTERN INTO MY NEW SKIN:
  - I WILL CUT THE NEW SHEETS APPROX AN INCH OVERSIZED
  - PURCHASE A LARGE BOARD TO LAY SKINS OUT ON
  - PURCHASE 2 LONG STRAIGHT EDGES, PREFERABLY ALUMINIUM
  - ATTACH LONG STRAIGHTEDGE ALONG EDGE OF BOARD
  - BUTT SINGLE PIECE SKIN UP TO EDGE & DRILL/CLECO SINGLE PIECE SKIN ON OPPOSITE EDGE IN OVERSIZED AREA TO BE CUT OFF
  - WILL THEN BUTT OTHER STRAIGHTEDGE TO SHORT EDGE OF SKIN AND ATTACH TO BOARD
  - THEN LAY PREPUNCHED SKIN ONTOP OF SINGLE SKIN BEING SURE ITS BUTTED UP AGAINST STRAIGHT EDGES CORRECTLY
  - DRILL/ CLECO EVERY HOLE BEING SURE NOT TO DRILL 9<sup>TH</sup> ROW OF RIVETS AT LAP JOINT
  - TRIM OVERLAP OFF

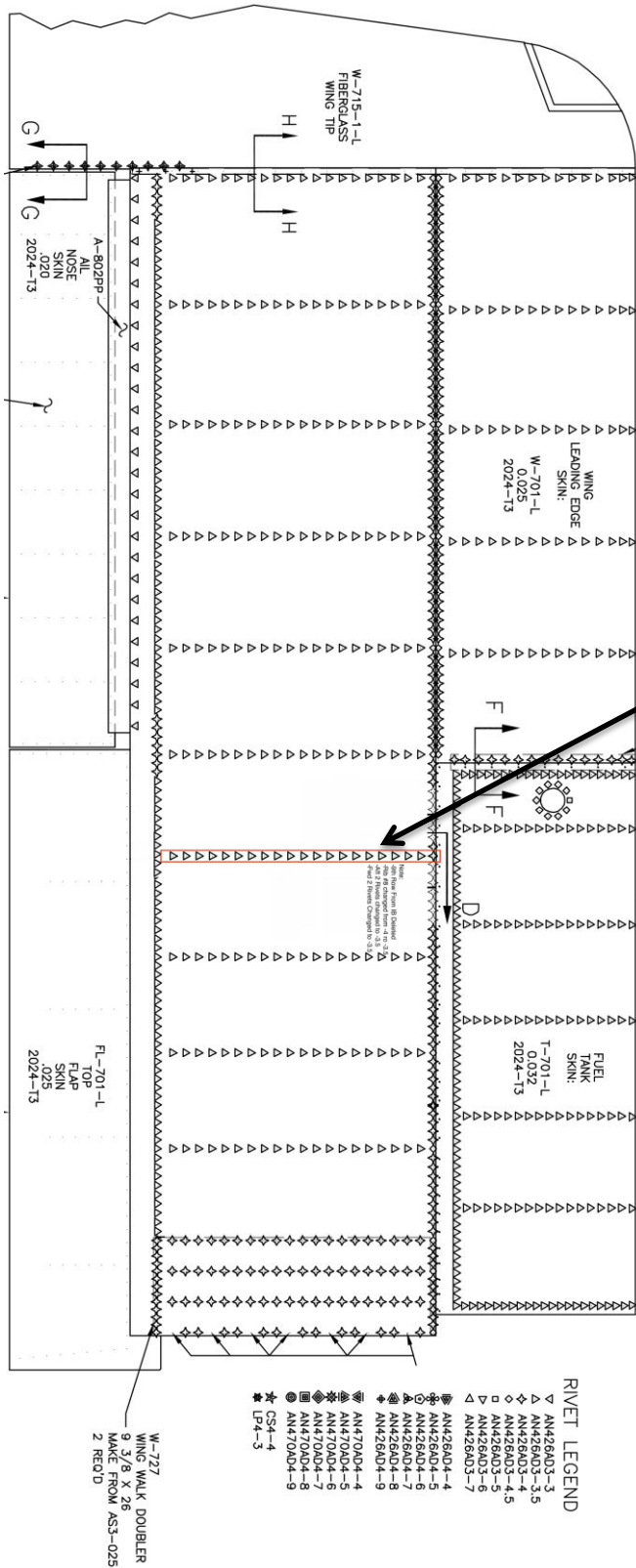
**Date: 02 OCT 14**

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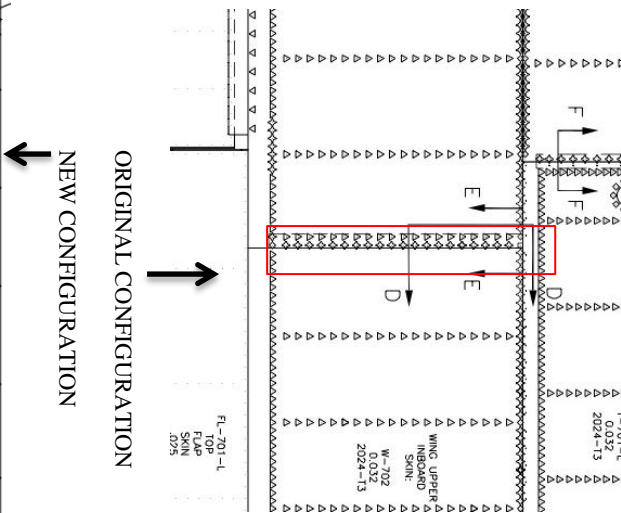
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- NOTE:
- 9<sup>TH</sup> RIVET ROW FROM INBOARD DELETED
  - RIB #8 RIVET SPEC CHANGED FROM 4 TO -3.5
  - AFT 2 RIVET SPEC CHANGED TO 4 LENGTH
  - FWD 2 RIVET SPEC CHANGED TO -3.5



RIVET LEGEND

|   |             |
|---|-------------|
| ▽ | AN26A03-3   |
| ◇ | AN26A03-3.5 |
| △ | AN26A03-4   |
| ◻ | AN26A03-4.5 |
| ◊ | AN26A03-5   |
| ▽ | AN26A03-6   |
| ◊ | AN26A03-7   |
| ◊ | AN26A04-4   |
| ◊ | AN26A04-5   |
| ◊ | AN26A04-6   |
| ◊ | AN26A04-7   |
| ◊ | AN26A04-8   |
| ◊ | AN26A04-9   |
| ◊ | AN70A04-4   |
| ◊ | AN70A04-5   |
| ◊ | AN70A04-6   |
| ◊ | AN70A04-7   |
| ◊ | AN70A04-8   |
| ◊ | AN70A04-9   |
| ★ | CS4-4       |
| ★ | UP4-5       |

Date: 02 OCT 14