



SERVICE LETTER No. L 138

DATE: June 22, 2022

TO: Sault College Aviation Technology

MODEL AFFECTED: Z 242 L aircraft, S/N: 0682

SUBJECT: Aircraft manufacturer instructions for detected cracks and defects and repair instructions.

NOTE:

Based on Service letter Nr. L134 from 8th December 2021 the service life of the aircraft fuselage is extended up to 21 000 flight hours.

The operator reported the cracks disclosed during the regular servicing of the airplane's structure. The reported findings were considered by the Commission of Airworthiness and Reliability of ZLIN AIRCRAFT a.s. and its conclusion is that the cracks are repairable with no impact on airplane's airworthiness:

The reported cracks were detected as follows:

- 1) Aft spar of the left wings (see Fig. 1 and No. 2 and No. 3).



Fig. No. 1



Fig. No. 2



Fig. No. 3

TIME OF COMPLIANCE: Upon receiving of this letter perform the repairs as described in accordance with operator's schedule repair plan

PROCEDURES: For corrective actions recommended by the manufacturer follow the repair procedures recommended by the FAA document AC-43.13-1B, issued on 8 SEP 98 as follows:

- Repair the aft spar cracks as described on pages 4-43 of the above-mentioned document. The cracked rib will be strengthened by the plate in accordance with the sketch provided by the operator's maintenance facility (see Enclosure No. 1)
- The rivets used for reassembly and plate reinforcement will be provided by ZLIN AIRCRAFT. The rivets must be positioned in accordance with the enclosed sketch (Enclosure No. 1) – see annotations made by ZA.
- All existing rivet holes must be re-drilled for new rivet size to assure their proper alignment.
- New holes for rivets (ČSN 02 2302.5, size 2,6) will be drilled in accordance with the sketch provided by the maintenance facility and annotated by the manufacturer.

RECOMMENDATION:

The repair procedure described is approved for other similar repairs performed by the operator's maintenance facility in the future.



CAUTION:

PERFORM REGULAR VISUAL CHECKS OF REPAIRED SPOTS AT EVERY 500 FLIGHT HOURS. RECORD THE RESULTS OF CHECKS IN AIRPLANE TECHNICAL DOCUMENTATION.

NECESSARY MATERIAL:

Rivet 5DuZ	3,5x8P	10pcs
Rivet 5DuK	2,6x5P	8pcs
Rivet 5DuK	3x7P	10 pcs
Rivet 5DuZ	3,5x7P	1 pc
Rivet 5DuZ	3,5x8P	1pc

will be provided by the airplane manufacturer

ENCLOSURES:


Sketches of the proposed repair made by the maintenance facility and annotated by the airplane manufacturer.

Elaborated by:


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Lubomír Januška

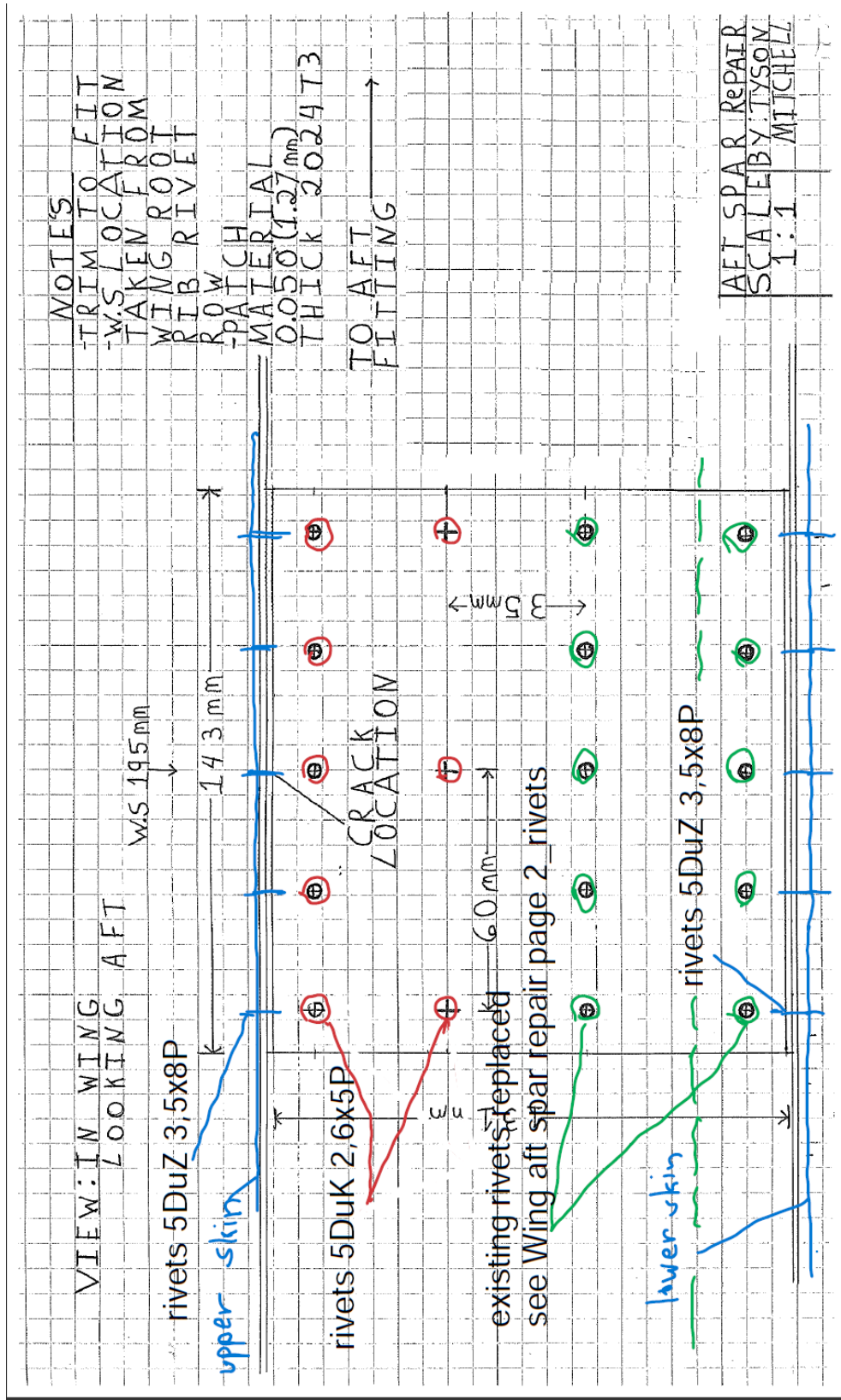
Head of Documentation and Normalization Dept.

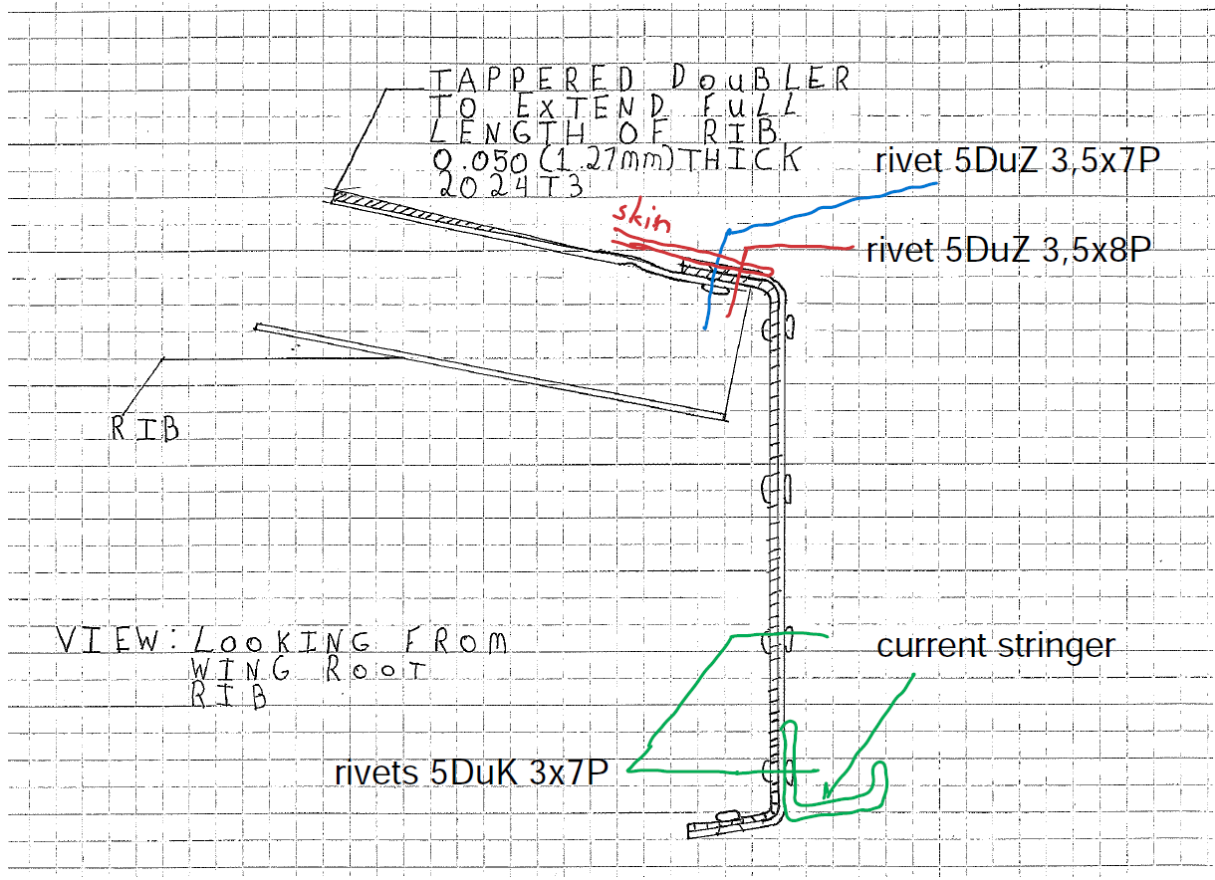
Approved by:


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Prof. Ing. Antonín Pištěk, CSc.
Head of Office of Airworthiness



ENCLOSURE No. 1 of Service Letter L138





NOTE: use the rivets provided by Zlin Aircraft