

LW-3

C-108 Green Tag Lat 40.39.47 / Long 72.37.28

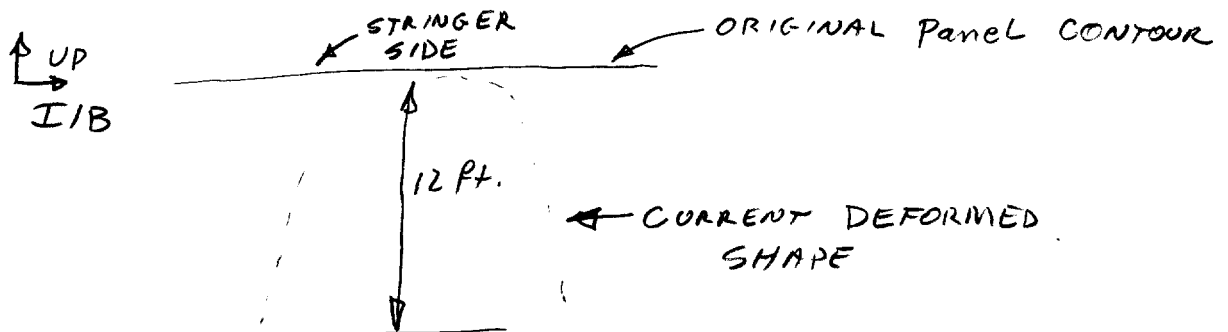
Lower surface, left wing skin panel, extending from Side-Of-Body rib to WS 670, Fwd Half of Wing Skin.

The panel includes exterior skin, some of stringers 15 to 23, and some associated clips/strap pieces attached to the stringer caps. The end fittings for stringers 15 to 23 are still attached to the skin. Some of the stringers are fractured off of the skin within the first 2 feet of the SOB rib. Two of the stringers are attached to the skin over the majority of the panel length, and are fractured at high skin curvature locations. The two remaining stringers are attached at the end fitting at the inboard end, and not attached anywhere else. These stringers extend off the panel in convoluted shapes.

The panel itself is extremely deformed: It is bent roughly 60 to 90 degrees at two locations, with the axis of curvature perpendicular to the stringer direction. The bends are such that the skin is on the inside of the radius, and the stringers are on the outside.

75% of the fasteners used to attach the stringers to the skin panels are pulled out of the skin, leaving holes that are still round, with no significant deformation. Of the fasteners that failed, and still remain, many have fractures that are flush with the skin or stringer flange surface, where others have fractures that are angled across the width of the fastener shanks. Some fastener hole elongation was identified in the wing skin at the front spar interface.

Sooting was identified on the exterior surface of the panel. The darkness of the soot residue is most extreme at the interface along the side of body, as well as from wing station WS 470 to 670. In the region outboard of the SOB, the exterior surface has a blotch texture, where paint is removed in random shapes. Remaining surface is rough.



*Lewis* - BOEING

10-3-96

11/18/96 *...* - TWA

11-5-96 *D. Santiago* - TAM

REFER FIRE AND EXPLOSION GROUP NOTES FOR FIRE DAMAGE

11-10-96 *...* - ALP

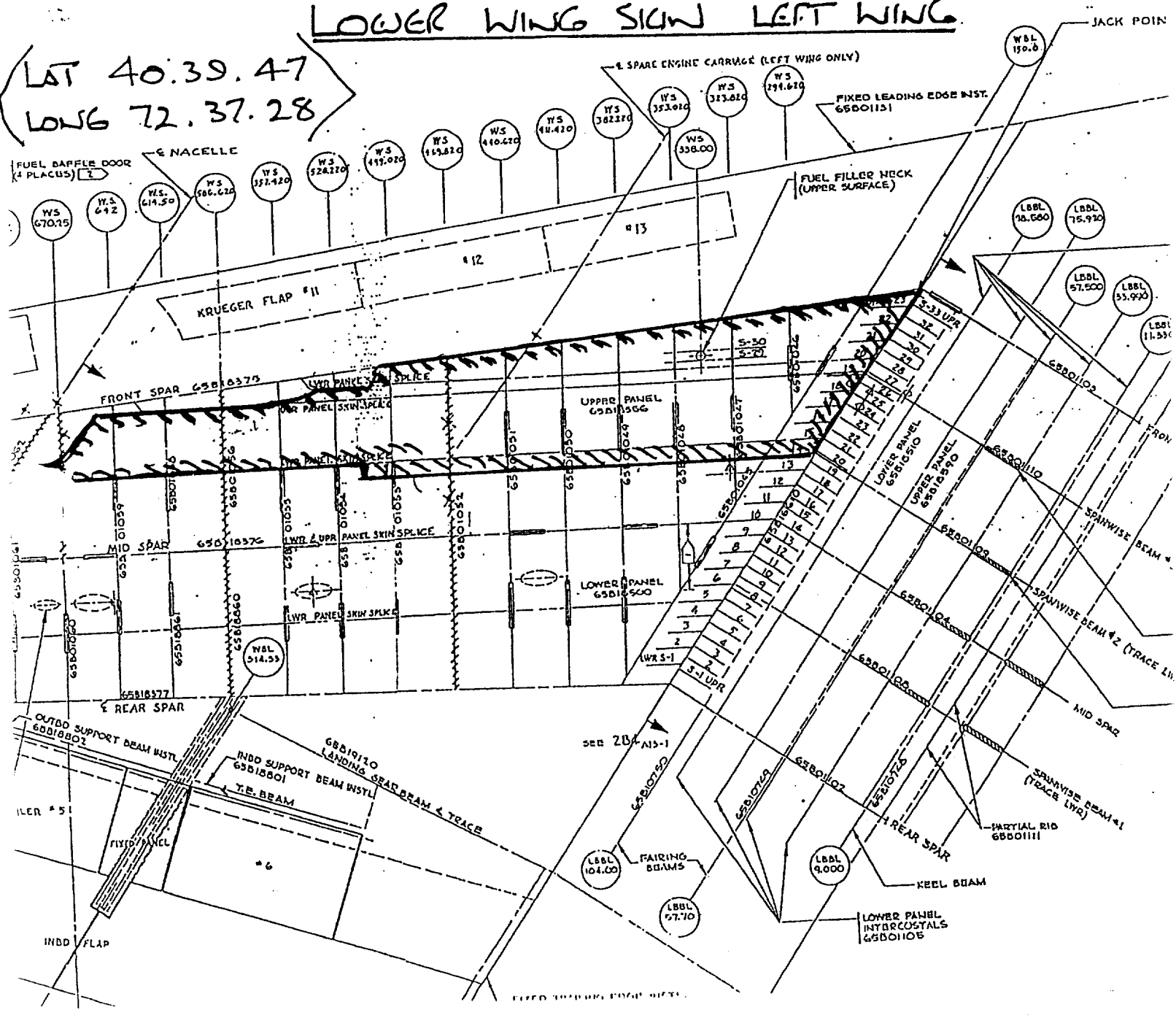
10/27/96 *...* - NTSB

10/28/96 *Lou Zuber* - FAA

LW-3  
(GREEN)  
C-108

# LOWER WING SIGN LEFT WING

(LAT 40.39.47  
LONG 72.37.28)



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Youzak's FAA  
10-28-96