LOWER SKIN PANEL - WING CENTER TANK

CW-208	CW-209	CW-227	CW-232	CW-235	CW-236
C-2234	C-2169	Z-2753	Z-3376	Z-2754	Z-2755
44"X24"	41"X11"	28"X12"	52"X26"	20"X8"	32"X18"
GREEN	GREEN	GREEN	GREEN	GREEN	GREEN

See plan view diagram for the location of the individual sections.

These 6 segments are grouped together and are located approx from BL0 to RBL 98 and from the mid spar to S-15.

There are no stringers attached to these panels except for the skin flange of the splice stringer (S-15 and mid spar) on CW-208 and 232. CW-209 has stringer S-15 attached for the entire length of the skin. Panels are generally bent up at the center. CW-208 has fractures within the panel and the panel is also twisted. There is no fastener hole elongation on any of these panel except CW-209 which exhibits some fore/aft elongation. The segments CW-227 and CW-209 have the aft fracture passing through the fastener holes common to the stringer. CW-236 has impact damage with missing material (1"X3") at the inboard fracture edge. CW-235 is heavily curled and bent up in the center on a tight radius (5" radius).

The keel beam attachment on CW-208 exhibits tension failure of the keel beam attach chord. The fastener hole that is common to the keel beam tension fitting at SWB2 exhibits elongation in fore and aft direction with drag marks on the skin lower surface on the fwd side of the hole. The keel beam attach chord on CW-232 exhibits some fasteners failing in tension and some in shear.

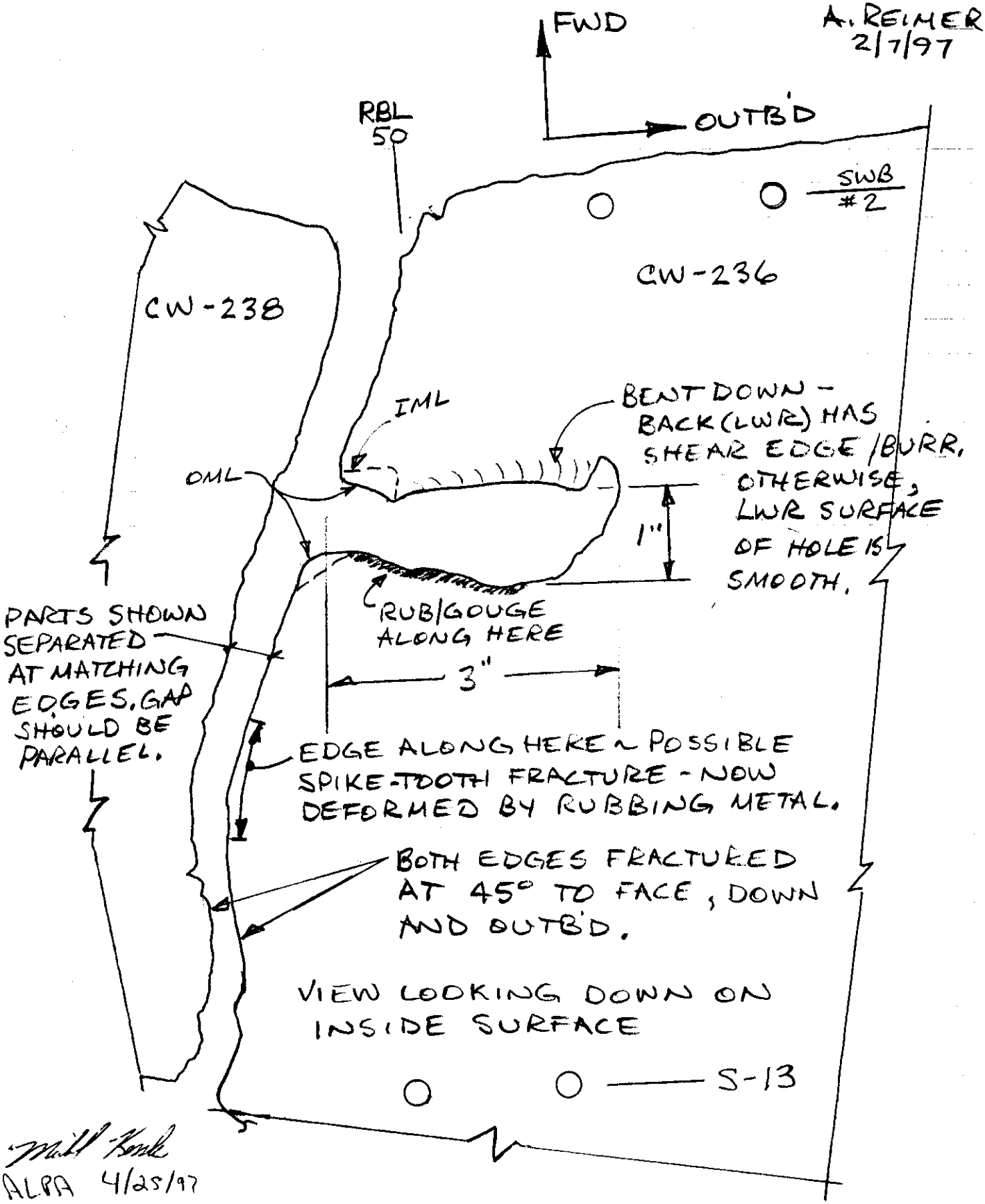
Both the interior and exterior surface of these segments exhibit sooting and fire damage. See Fire and Explosion Group notes for further documentation.

Stephen F. Klapcsik
FAA 12-06-96
TWA 12-6-96
IAM 12-6-96
S O GREEN ALPA 12-6-96
Boeing 12/7/96

LOWER SKIN ~ SUPPLEMENT FOR CW-236

HOLE IN CW-236

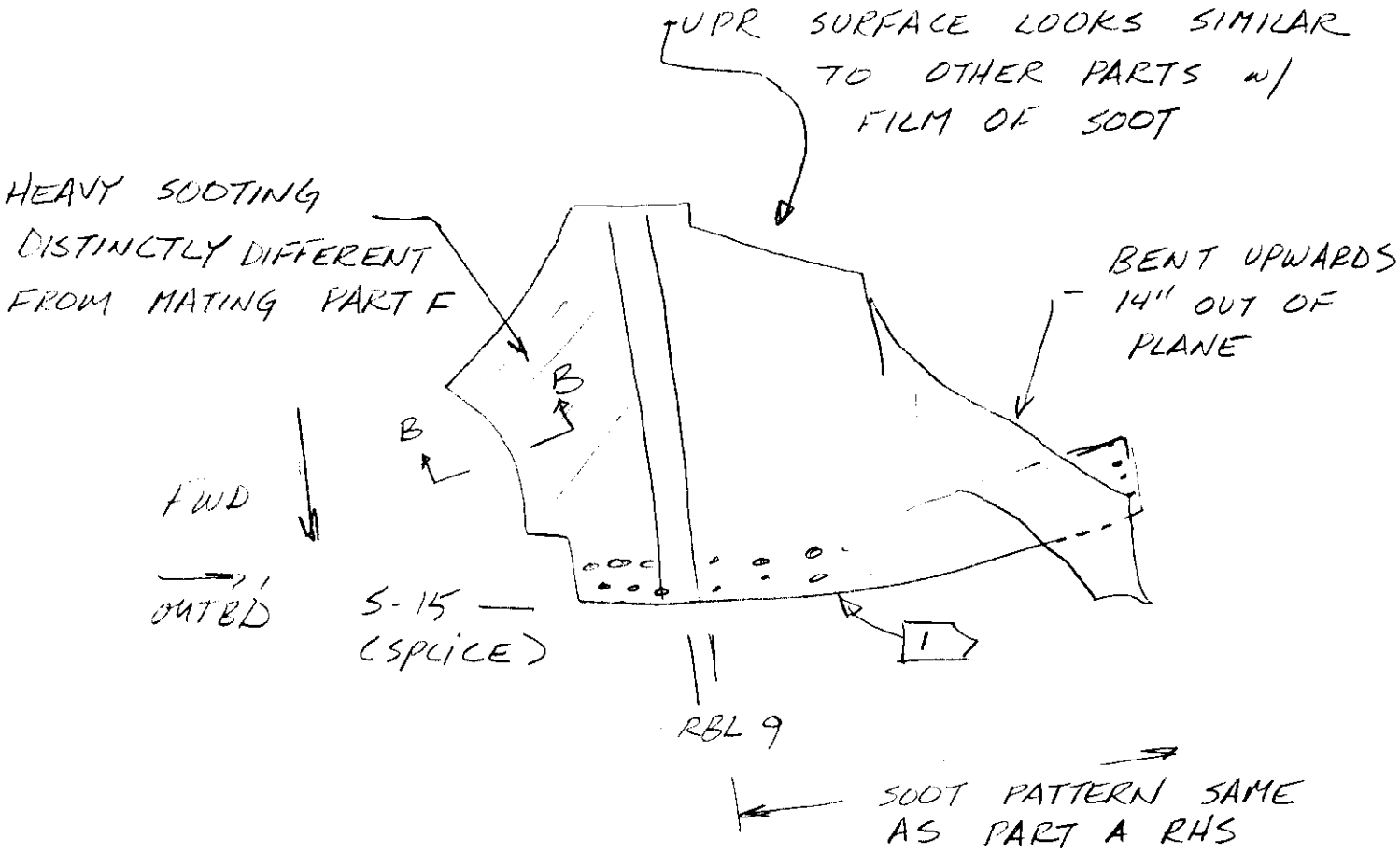
A. REIMER
2/7/97



Mike Kenk
ALPA 4/25/97

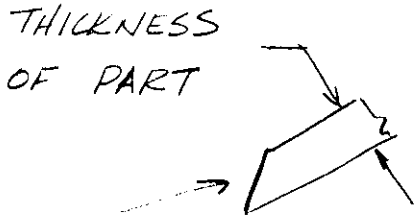
CW-20B SCREEN TAB # 1234

PART G



1 FAILURE BY STR SEVERING

ALL FRACTURE SURFACES FREE OF BLACKENING



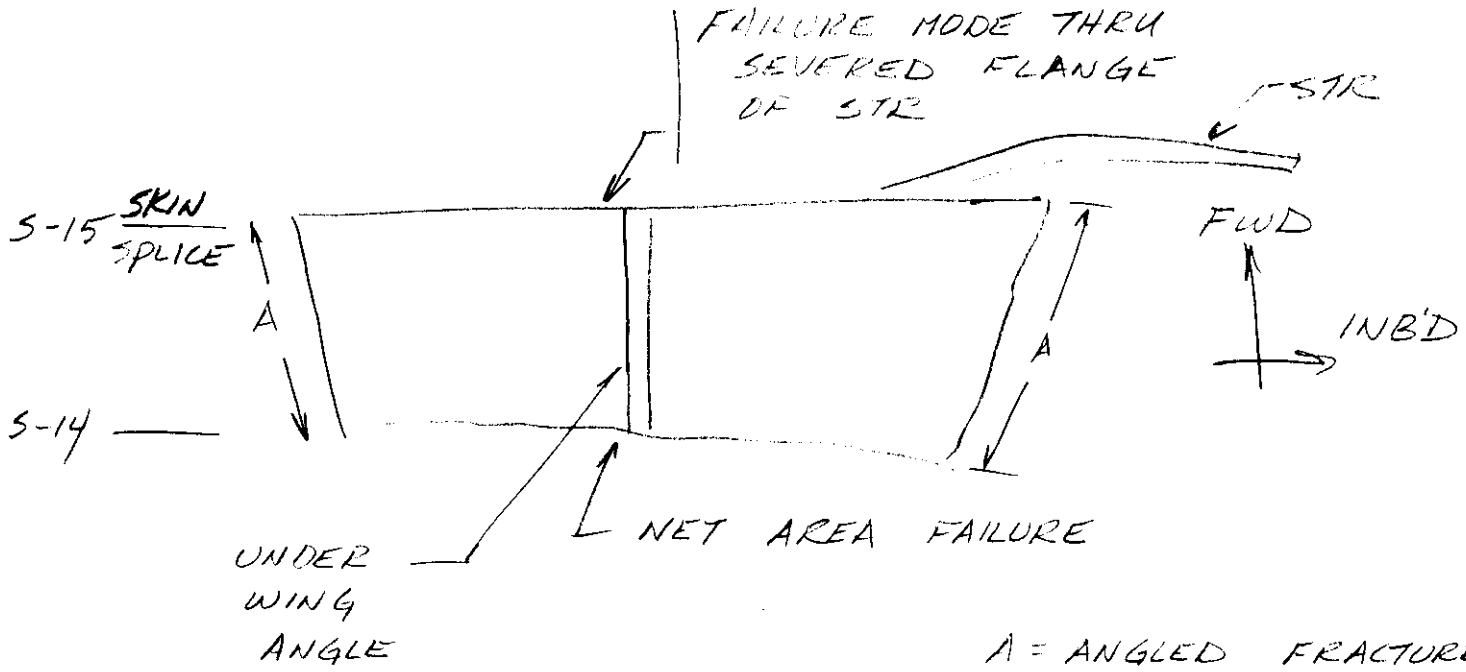
← VIRTUALLY ALL FRACTURE FACES ARE 'ANGLED'

= A FOR ANGLED FACE

B-B

CW-1209
PART H

GREEN TAG # [illegible]



A = ANGLED FRACTURE FACE - SEE PART G

ALL FRACTURE FACES FREE OF BLACKENING

CONDITION OF LWR SURFACE SAME AS PART A RHS BUT SLIGHTLY DARKER

UPR SURFACE SIMILAR TO ADJACENT PARTS WITH FILM OF SOOT