

HORIZONTAL TAIL &

ELEVATORS

LHS ← | → RHS

SH 1 OF 2

TARGET # _____

COORD. _____

LAT _____

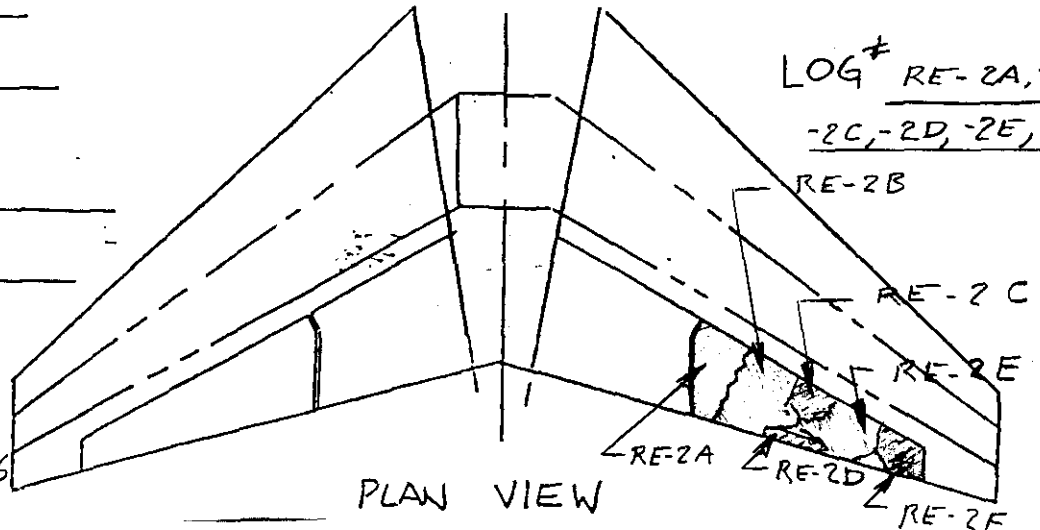
LONG _____

DEBRIS

FIELD: FLOATING

DATE LOG. 7-18-96, 7-19-96

LOG # RE-2A, -2B, -2C, -2D, -2E, -2F



PLAN VIEW
LOOKING DOWN

REFER FIRE AND EXPLOSION GROUP NOTES FOR FIRE DAMAGE

NOMENCLATURE: RIGHT SIDE, OUTBOARD ELEVATOR

DESCRIPTION: RIGHT SIDE, OUTBOARD ELEVATOR. ESTIMATE 90% OF ELEVATOR RECOVERED. ELEVATOR FRACTURED FORE AND AFT DIRECTION 4 LOCATIONS.

RE-2A - PORTION FROM INBD. CLOSURE RIB OUTBD TO 244 RH 12/11/96 TBC
ELEV. STA 238.000.

RE-2B - PORTION ALONG FORWARD EDGE FROM ELEV. STA. 244 RH 12/11/96 238.000 OUTBD TO ELEV. STA. 281.803, FROM ELEV. STA 281.803 AFT. DIRECTION RANDOM FRACTURE ELEV. STA. 281.803 TO ELEV. STA 294.000 TO ELEV. STA. 281.803, FROM FORWARD EDGE AT ELEV STA 238.00 AFT TO TRAILING EDGE.

RE-2C - DAGGER SHAPE PORTION, ALONG FORWARD EDGE 276 APPROX RH 12/11/96
ELEV. STA. 281.803 TO ELEV STA 306.794,
EXTENDING TO A POINT APPROXIMATELY 30 INCHES AFT OF ELEV. HINGE LINE.

Dennis Santiago IAM
10/24/96
R. Farouel 12/11/96 TBC

APR 12-11-96
Dennis Santiago
IAM 12-11-96
Tom Toomey
FAA 12-11-96

12-11-96 RD

10-24-96
11-5-96

DESCRIPTION: (CONTINUED)-2C, -2D, -2E, -2F

RE-2D - TRAILING EDGE WEDGE, 12 INCHES FORE
AND AFT AND FROM ELEV. STA. 291.803
OUTBD TO ELEV. STA. 306.794.

RE-2E - BEGINNING FORWARD EDGE AT ELEV. STA. 306.794
RANDOM FRACTURE EXTENDING AFT ALONG ELEV.
STA. 306.794 TO ELEV. STA. 294 TO ELEV STA
306.794 AND BEGINNING FORWARD EDGE AT ELEV.
STA 356.777 RANDOM FRACTURE EXTENDING AFT
ALONG ELEV. STA 356.777 TO ELEV STA 331.756

RE-2F - OUTBD, PORTION OF OUTBD ELEV. BEGINNING
FORWARD EDGE AT ELEV STA 356.777 RANDOM
FRACTURE EXTENDING AFT FROM ELEV. STA
356.777 TO ELEV STA. 368.000.

OBSERVATION NOTES:

- a) ~~NO BURN DAMAGE (PART DOES NOT HAVE TAG)~~ ^{RA 12/11/96}
- b) ELEVATOR SEPARATED FROM STABILIZER, SECOND
HINGE OUTBD. AND THREE OUTBD HINGES ATTACHED
TO STAB., ELEVATOR ATTACHED STRUCTURE FAILED. OTHER
TWO HINGES MISSING. ACTUATOR FITTING ATTACHED
TO STAB., ACTUATOR FLANGED FAILED.
- c) NUMEROUS SURFACE SKIN PUNCTURES, UPPER AND
LOWER SURFACE.
- d) DAMAGE ^{15 RA 12/11/96} ~~ASSUMED TO BE~~ AERODYNAMIC AND IMPACT
RELATED.

F. E. Livingston, TWA 9/28/96
Lou Zalkis FAA 10.29.96

RE2A through RE2F

Additional Information

Right outboard elevator from inboard end to elevator station 244 and from the leading edge to the trailing edge is designated RE2A.

The upper skin panel has impact damage removing the outer skin and some core at local areas. The lower skin panel impact damage areas have various amounts of outer skin, core, and inner skin missing. The leading edge has some damage. The leading edge shroud is torn up and aft at the hinge and actuator locations.

Right outboard elevator from elevator station 244 to approximately elevator station 290 and from the leading edge to the trailing edge is designated RE2B. The lower skin panel outboard trailing edge area has approximately a fifteen inch by fifteen inch area of unattached skin panel assembly. The lower surface has normal hydraulic and grease streaking. The counter balance weight structure is bent upwards. Hinge at Elev Sta 256 remains attached.

Right outboard elevator from approximately elevator station 276 to elevator station 306 and from the leading edge aft approximately 30 inches is designated RE2C. The lower skin panel is not attached. The leading edge structure has impact damage.

Right outboard elevator trailing edge wedge from approximately elevator station 281 to 307 is designated RE2D. The upper inboard four inches of skin is not attached.

Right outboard elevator from approximately elevator station 306 to elevator station 356 is designated RE2E. Inboard edge of upper skin panel has zig zag fracture line with some light charring. Two large criss-cross fractures in the upper skin panel are each approximately twenty inches long. The lower skin panel has an area approximately twenty inch diameter of unattached skin panel at the outboard trailing edge. The leading edge has some damage.
THIS PART IS SCOTED ON UPR & LWR SURFACES.

Right outboard elevator from approximately elevator station 356 to the outboard edge and from the leading edge to the trailing edge is designated RE2F. The leading edge shroud is torn up and aft at the hinge locations. The inboard edge of upper skin panel has some impact damage and light charring. The upper skin panel outer skin has paint blistering. The counter balance weight structure is bent upwards.

R. Harauer TBC 12/14/96

Alfredo 12-16-96 TWA

Dennis Santiago IAM 12-16-96

AA-12-16-96 ALPA

*Tom Todaro
1-10-97*