

LOG # LF 72 *10/23/96*  
 TARGET # no tag  
 COORD: LAT \_\_\_\_\_  
 LONG \_\_\_\_\_

DEBRIS FIELD Yellow  
 8/4/96-64 associated with cockpit wires

Circular Stairway Cutout in Upper Deck Floor, Header Floor Beams and Truss and associated structure.

Consists of Sta 440 & 520 upr deck floor beams  
 Sta 440 LBL 65 to RBL 65  
 Sta 520 LBL 47 to RBL 46 (The L/H otbd end is on LF4.)


L/H: Floor Beams 460, 480, 500 from Stairway beams, otbd to frames, with floor panels attached.

*this area mates to LF19A* { Upper and lower truss members are completely here.  
 Sta 460 frame: from bottom of floor beam to Str 9  
 Sta 480 frame: from Str 10 to Str 15  
 Sta 500 frame: from Str 9 to Str 17  
 Body Strs 10, 10A, 11, and 12 are attached to frames from Sta 460 to 500

Skin rivet tails have been pulled through the Stringers. The rivets remain with the skin on part LF19A.

A small portion of <sup>bonded</sup> skin remains attached to the Sta 480 frame at Str 14; Mates to LF19A.

Otherwise, the skin to frame fasteners remain in the frames, but the skin is gone.

Most fastener heads 'flanges' pulled off →  Hi-Lok  
 Some Hi-Lok heads are complete, on the frames.

*Shankar... 10/13/96*  
*cf 7... 10/15/96*

Henry Missel  
 Boeing  
 9-23-96  
 10-23-96

LF 72

R/H: Portions of the Sta 460, 480, and 500

This area corresponds to R/FBF

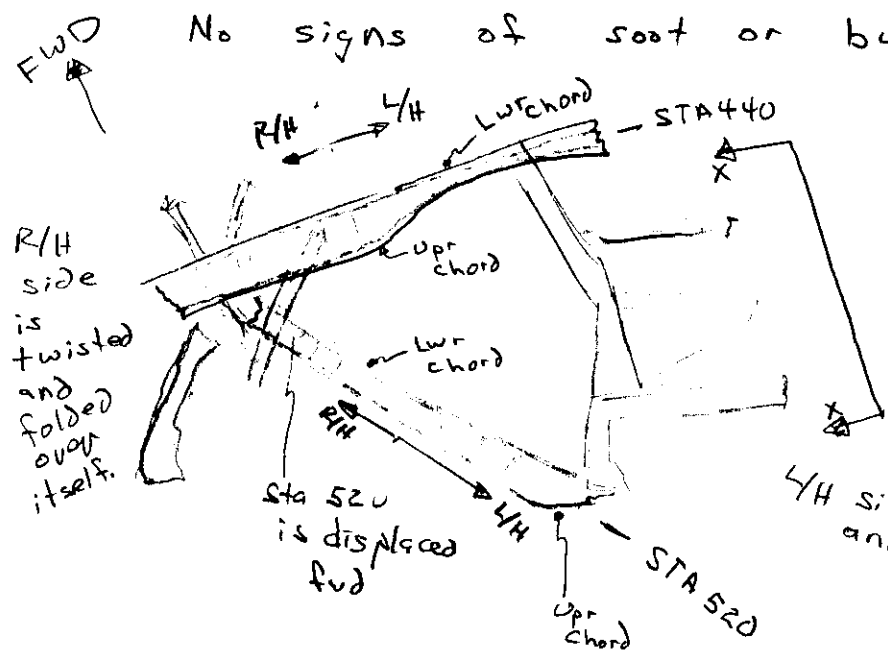
floor beams exist from the stairway beam, attached toward the frames, with portions of floor panels attached. No R/H frames are present.

The Sta 440 upr deck floor beam is crushed, upr chord is deflected down approx. 6" at LBL 20 and aft. The web is mangled. At RBL 42 the lwr chord is bent up at approx a 45° angle.

The Sta 520 upr deck floor beam is bent down at approx LBL 30.

The entire LF 72 is twisted and mangled.

No signs of soot or burning.



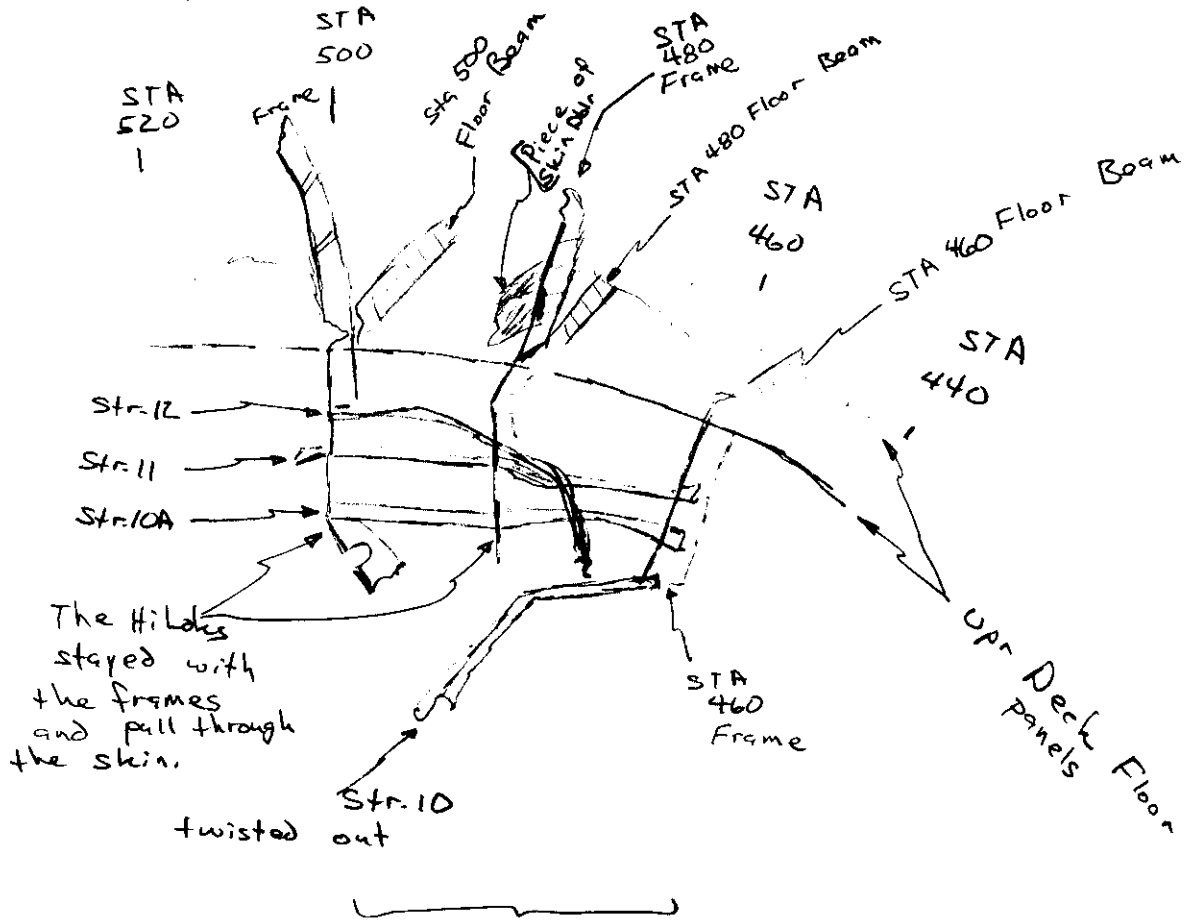
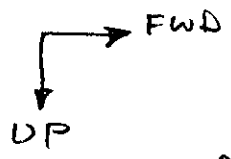
View looking forward, from below.

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FAA 10-23-96 2/4

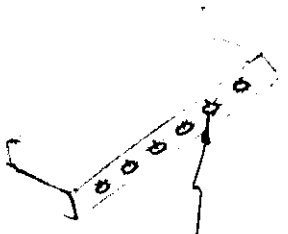
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View looking Inbd on L/H side



The Hildes stayed with the frames and pull through the skin.

The stringers in this area had the rivet tails pulled through from the outside. The rivets are on the skin, part LF19A.



Typical Stringer puckered out, rivet tails pulled through.

Henry Missel  
Boeing 9-23-96  
Louisville FAA 10-23-96

LF72

Circular Stairway  
Upper Deck Header Beams  
STA 520

BMT:  
George

L/H

Upr  
Chord

failed otbd of truss gusset

Fleis  
examined on  
9-22-96

ductile  
tensile

Lwr  
Chord

failed otbd of truss gusset

No signs  
of fatigue.

R/H

Upr  
Chord

both failed otbd of truss gusset

both  
ductile  
tensile

Lwr  
Chord

No signs of  
fatigue.

Sta 440

L/H

Upr  
Chord

failed otbd of gusset - ductile tensile. No signs of fatigue.

Lwr  
Chord

failed otbd of gusset - ductile tensile.  
No sign of fatigue.

R/H

Upr  
Chord

failed otbd of gusset -  
Failed ductile tensile, bending up.  
No signs of fatigue.

Lwr  
Chord

failed otbd of gusset - failed by ductile  
tensile + bending. No signs of fatigue.

4/4

Henry Missel Boeing 9-22-96  
New York FAA 10-23-96