

DOCKET NO. **SA- 516**

EXHIBIT NO. **17D**

**NATIONAL TRANSPORTATION SAFETY BOARD
WASHINGTON, D.C**

**PHOTOGRAPHS OF THE
RECONSTRUCTION OF TWA 800**

EXHIBIT 17D

Log of Slides for the Reconstruction of TWA 800

- 1) Arrival of the second truck of steel at the start of the project on February 3, 1997.
- 2) The truss assembled to support the piece of the plane on February 6.
- 3) Close-up of the truss assembled, looking towards the front.
- 4) Installation of the first pieces, the top of the center wing fuel tank, on February 10 using coil rods, plates and nuts to control height.
- 5) Continued installation of top of the center wing fuel tank and the attached mid spar on February 11.
- 6) Looking at a portion of the mid spar after assembly on the truss.
- 7) Crew working off scaffolding to assemble pieces.
- 8) Assembly of span wise beam 3 on mesh, prior to installation on the truss.
- 9) Moving span wise beam 3 into place using a fork lift on February 13.
- 10) Raising span wise beam 3 into place on coil rods
- 11) Span wise beam 3 in place on the truss.
- 12) Lifting RF 17, the first piece with fuselage skin into place by using the crane on February 13.
- 13) RF 17 in place on the truss.
- 14) View from the left side looking at the center wing tank being assembled.
- 15) Spanwise beam 1 lifted into place on the truss as viewed from behind, looking forward on February 14.
- 16) The left hand side of the front of Spanwise beam 1 as viewed from the side, looking at CW 902 and 907.
- 17) The right hand side of the front of Spanwise beam 1 as viewed from the side, looking at CW 910, 912 and 907. Includes part of the rear spar (1001).
- 18) Installation of LF38 on February 15.
- 19) Evaluating RF114A at various locations prior to fastening it to the structure on February 16.
- 20) RF114A attached to RF14 after evaluation.
- 21) The top of the center wing fuel tank, including CW 125, 102, and 101.
- 22) Looking at the right interior, including RF37, RF14, RF114A and RF17.
- 23) The right side of the fuselage including RF23 and parts of the top on February 17.

EXHIBIT 17D

- 24) Installation of roof parts as shown from the right side, including RF41 and RF 34.
- 25) View of the front spar looking rearward after mounting on the truss on February 17.
- 26) Placing RF38, a large piece with the titanium right side landing gear beam attached on February 18.
- 27) Installation of two of the 4 pieces of LF 38 on February 19.
- 28) Right hand side of interior fuselage looking rearward.
- 29) Right hand side of the interior looking forward at RF114C and RF23.
- 30) Painting of holes with orange paint in the interior.
- 31) Top of the center wing fuel tank, looking at CW101 and CW114.
- 32) Top of the center wing fuel tank, looking at CW130, 112, 140, and 148.
- 33) Top of the center wing fuel tank, looking at CW130, 112, 140, 148 and the mesh that was placed to attach smaller pieces.
- 34) Smaller pieces of the center wing fuel tank including CW166.
- 35) Top of the center wing fuel tank, looking at CW130, 112,122, 141 and 131.
- 36) Installation of the remaining portion of LF 38 on February 20.
- 37) Area of the landing gears, showing pressure deck and the LF40, 0 body line on February 25, looking from left to right.
- 38) Area of the landing gears, showing pressure deck and the LF40, 0 body line on February 25, looking from right to left.
- 39) Looking at the mid spar including CW801, 815, and 802 from the right to the left side.
- 40) Looking at the mid spar including CW802, 810, and 816 from the left to the right side.
- 41) Looking at the center of the mid spar including CW801.
- 42) Looking at CW1106 and CW829.
- 43) Looking at CW 1106, 1108 and CW1101.
- 44) Looking at CW1103.
- 45) Looking at the pressure deck and LF40 from the right to the left.
- 46) Looking at RF 38, the 1350 bulkhead.
- 47) Lifting LF69 into place on top of the plane from the left side on February 25.
- 48) Lifting LF69 into place on top of the plane from the right side.
- 49) LF39A attached to the truss on February 25.
- 50) LF2 attached to the truss on February 26.

EXHIBIT 17D

- 51) Lifting LF29 into place.
- 52) Working on the 1450 bulkhead on February 26 after installation of RF119.
- 53) Installing ribs for mesh for the rear cargo area on February 26.
- 54) Interior of plane including LF69 and RF42.
- 55) Left side of the center wing fuel tank with bottom floor and portions of the keel beam.
- 56) Right side of the center wing fuel tank with bottom floor and portions of the keel beam on March 2.
- 57) The 1450 bulkhead looking forward.
- 58) LF12B and LF5 installed on the truss on March 3.
- 59) Installation of the bottom of the front cargo bay (LF6A) on March 4 as viewed from the left side.
- 60) Framework for the front cargo bay, looking rearward
- 61) The front cargo bay from the right side.
- 62) View of RW2 and the front spar and the front of the keel beam.
- 63) The placement of the keel beam and orange protective caps on the coil rods on March 5.
- 64) Building of the front cargo bay area.
- 65) Installing the red zone on the right side.
- 66) Picture of left side with LF 12B, 98 and 24 A and B in place on March 6.

Pictures taken March 6

- 67) Right side from a forward position
- 68) Right side
- 69) Right side from a rearward position
- 70) Close-up of the fuel tank and the red area on the right side
- 71) The rear of the right side
- 72) The left side from the rear
- 73) The left front of the reconstruction in the red and green area
- 74) Internal view looking rearward
- 75) The roof of the plane from inside
- 76) Internal view of the right side looking rearward.

Slides

- 77) Close-up of the left red zone with LF 12B in place.
- 78) The hanging of the red zone on the right side, including RF5 (hung March 6) and RF7 being lifted into place on March 7.

EXHIBIT 17D

- 79) The right fuselage in the rear cargo area including RF53C, RF31 and others.
- 80) The left fuselage in the rear cargo area including LF45A.
- 81) The front cargo bay at station 860.
- 82) The front cargo bay area.
- 83) Hanging of yellow pieces starting with RF6A.
- 84) Hanging of RF4 in the yellow area in two pieces on March 12.
- 85) LF4 placed on the front left side and the rest of the left side on March 13.
- 86) The left front of the reconstruction at LF4.
- 87) Full view of the left side of the reconstruction.
- 88) The right front of the reconstruction.
- 89) Picture of the lower cargo bay area in the red zone, including LF5, prior to building of the crib and lowering it to match the bottom of the keel beam.
- 90) The left rear cargo area including LF45A
- 91) The rear of the cargo area including RF52E.
- 92) Interior of the plane looking forward
- 93) The front cargo bay prior to lowering
- 94) Placement of LF23, LF1, and LF7B in the yellow zone on March 15.
- 95) The front cargo bay area in the red zone.
- 96) The front of the cargo bay at station 800 including LF163 and LF6B on March 18.
- 97) Cargo area looking down from the passenger level on March 18.

Pictures (taken March 21)

- 98) The right side of the plane
- 99) The left side of the plane
- 100) The left side of the red zone crib after it was dropped to match the keel beam from a forward position.
- 101) The right side of the red zone crib after it was dropped to match the keel beam from a side position.
- 102) The right side of the red zone crib after it was dropped to match the keel beam from a forward position
- 103) The front cargo bay area looking rearward
- 104) The front cargo bay area looking rearward in the red zone
- 105) The front spar looking rearward.

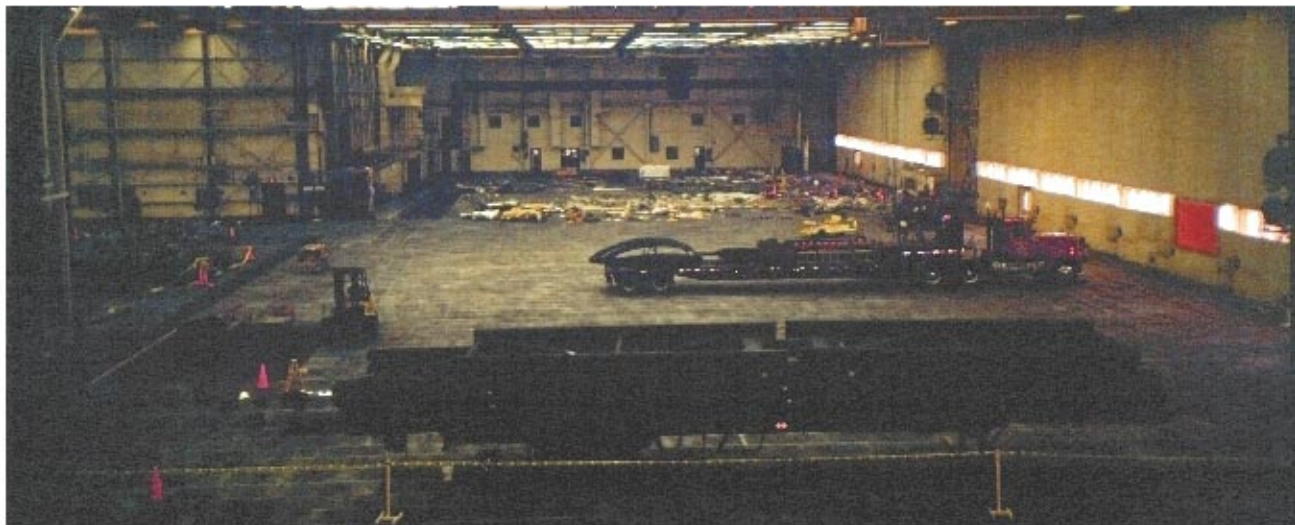
Slides

- 106) The right side of body rib on April 15

EXHIBIT 17D

- 107) Right front of the plane
- 108) Area of the fuel tank on the right side
- 109) The fuel tank and the left landing gear beam
- 110) The rear portion of the left side of the plane
- 111) The front portion of the right side of the plane
- 112) The right rear side of the plane
- 113) The right side of the plane
- 114) The right side of the plane
- 115) The right side of the plane
- 116) Assembling one of the air packs.
- 117) View of the front of the plane and portions of the right side of body rib.
- 118) View of the front of the plane
- 119) Left front of the plane
- 120) Left side of the plane.
- 121) Left side of plane from behind
- 122) Air pack with the ACM being checked for clearances on the left side
- 123) Adding the bottom of the left wing to the center fuel tank.
- 124) The bottom of the left wing and the air packs in place on April 19.
- 125) Pack 2 in place.
- 126) Pack 1 in place
- 127) Front view of pack 1
- 128) Pack 3 in place under the center fuel tank
- 129) Close-up of pack 3.
- 130) Front view of pack 3.
- 131) Right side of plane.
- 132) Right side of the plane.
- 133) Right side of the plane.

File: Slide Log.doc



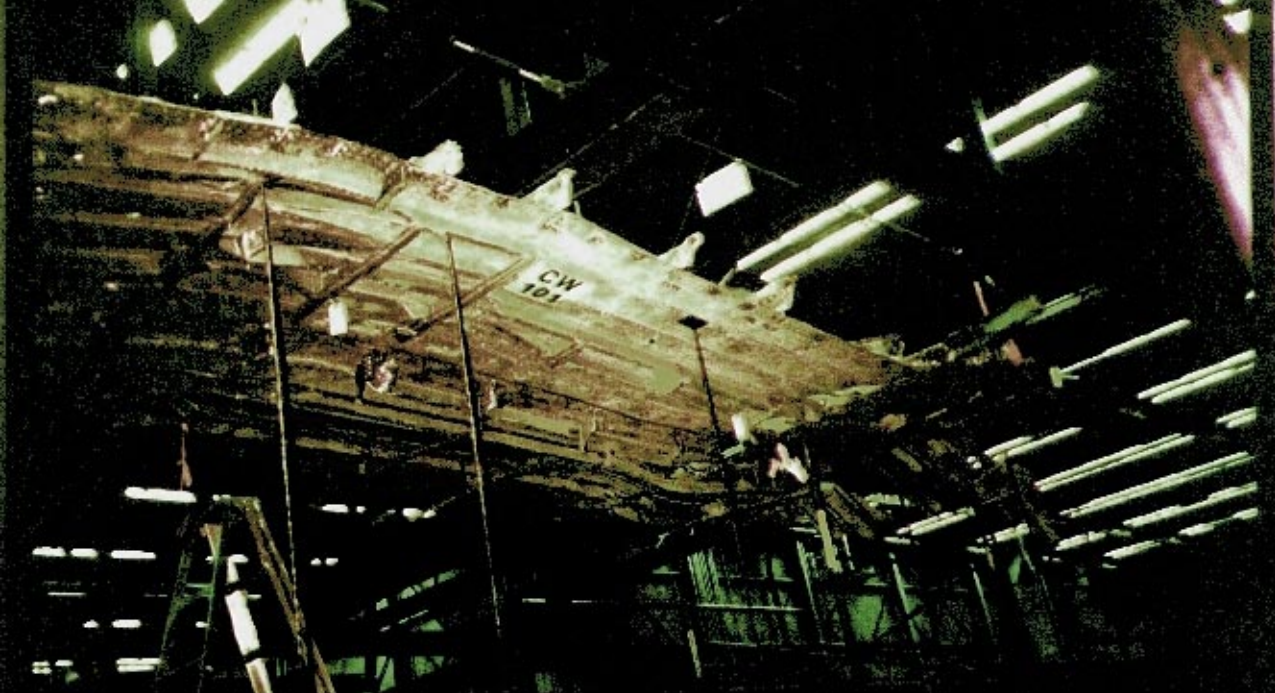
Arrival of the second truck at the start of the project on February 3, 1997.



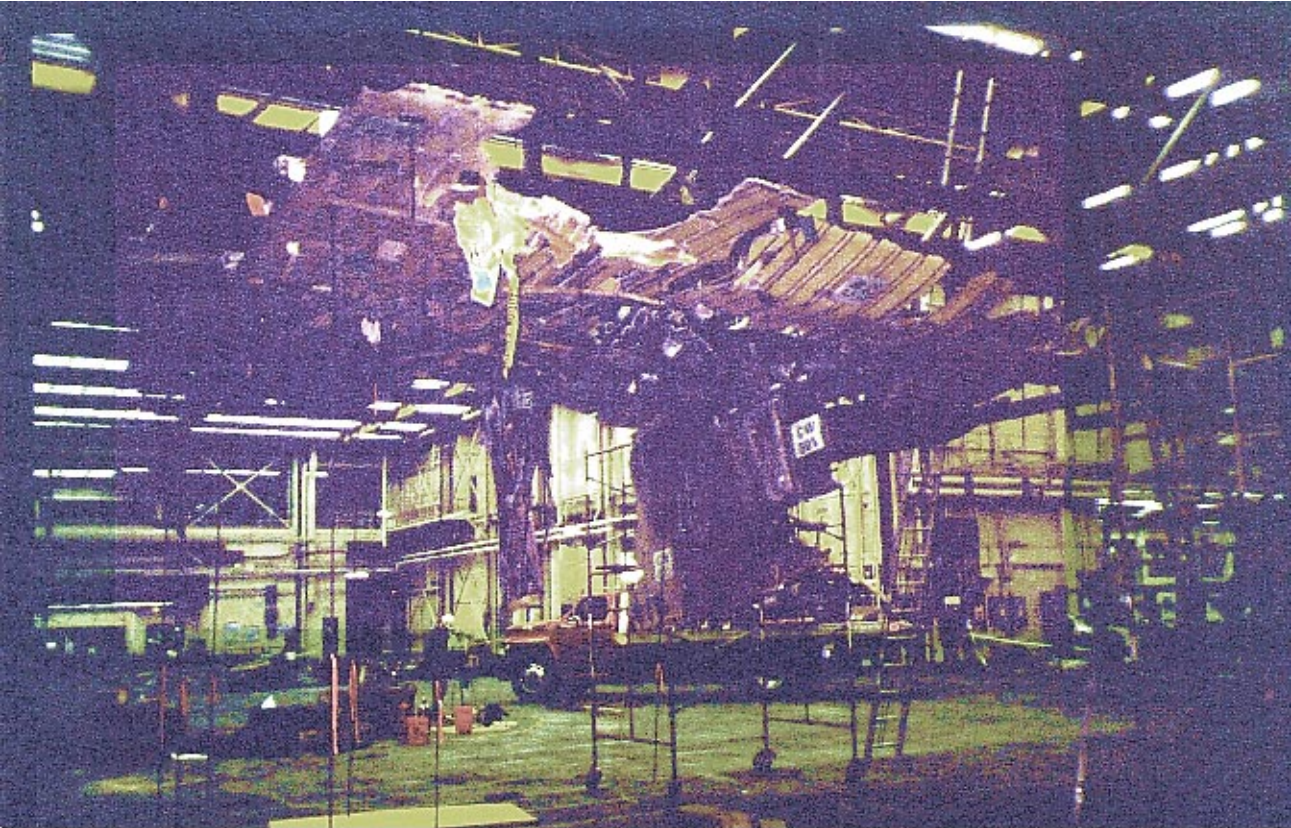
The truss assembled to support the piece of the plane on February 6



Close-up of the truss assembled, looking towards the front



Installation of the first pieces, the top of the center wing fuel tank, on February 10, using coil rods, plates, and nuts to control height



Continued installation of the center wing fuel tank and the attached mid spar on February 11



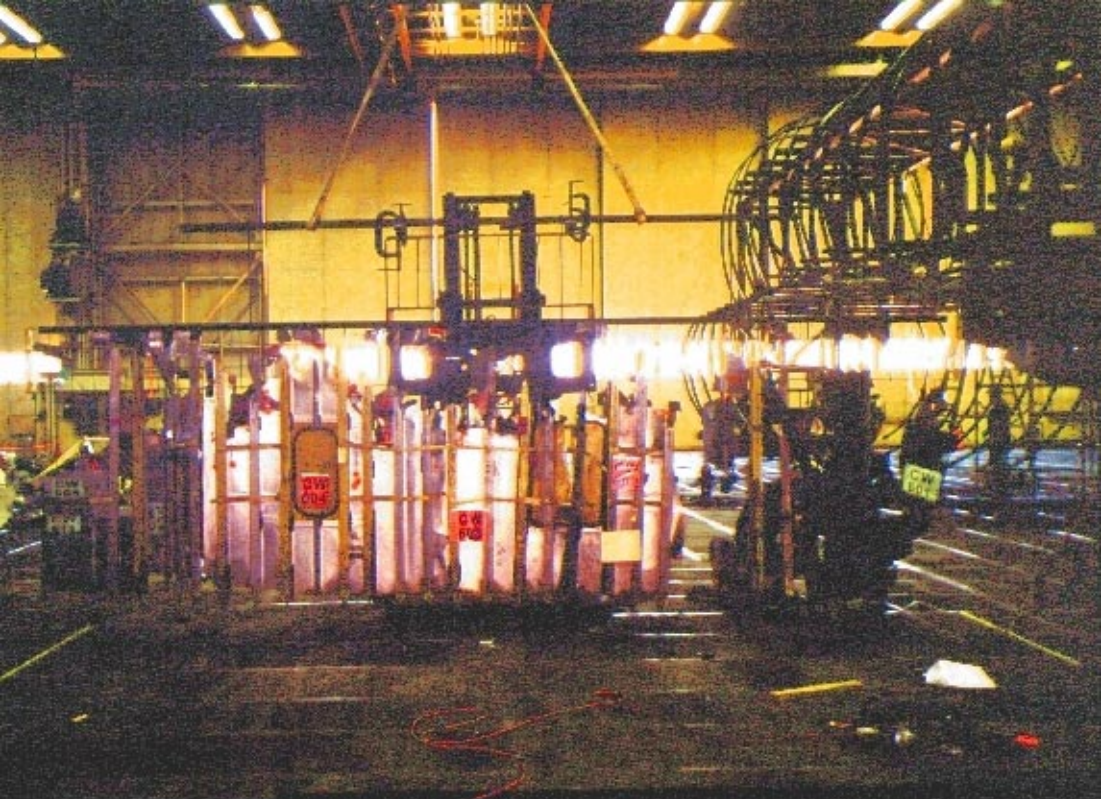
Looking at a portion of the mid spar after assembly on the truss



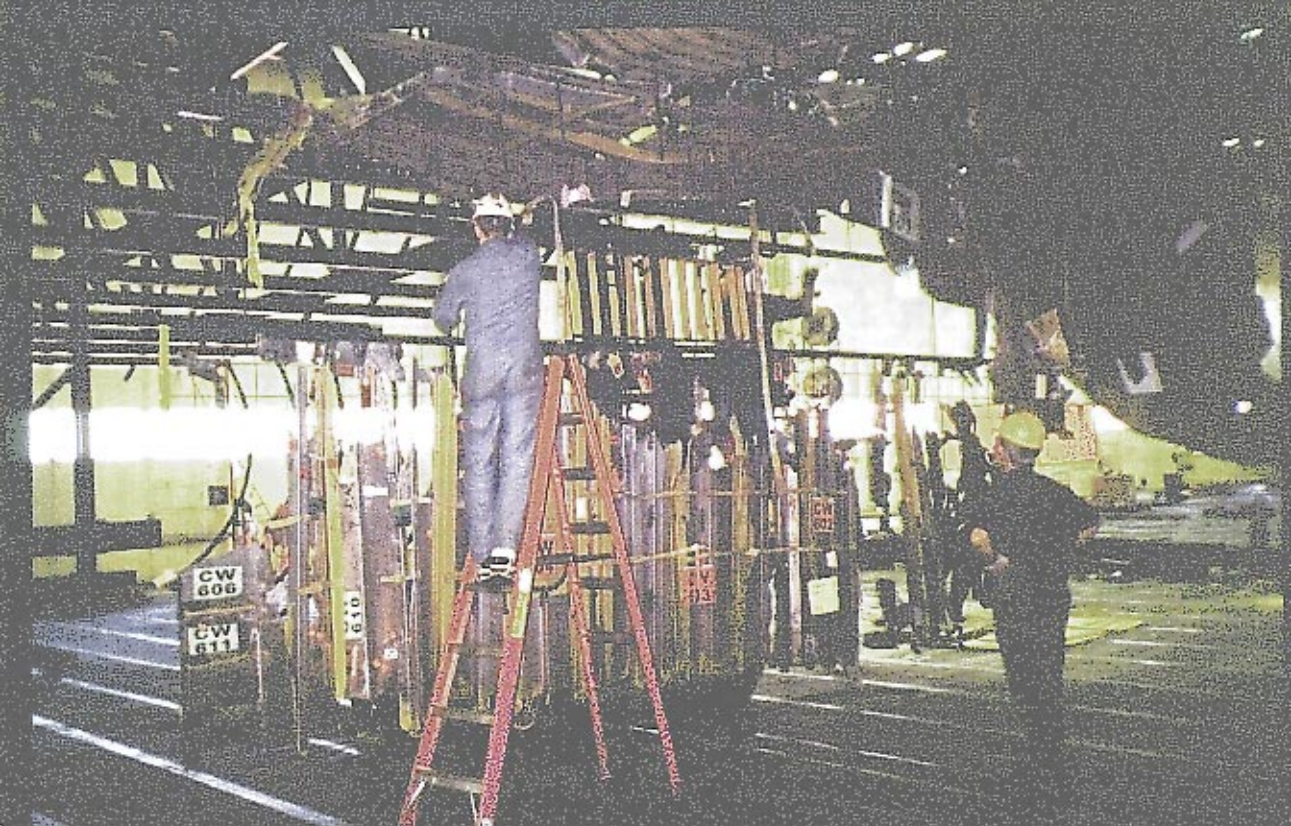
Crew working off scaffolding to assemble pieces



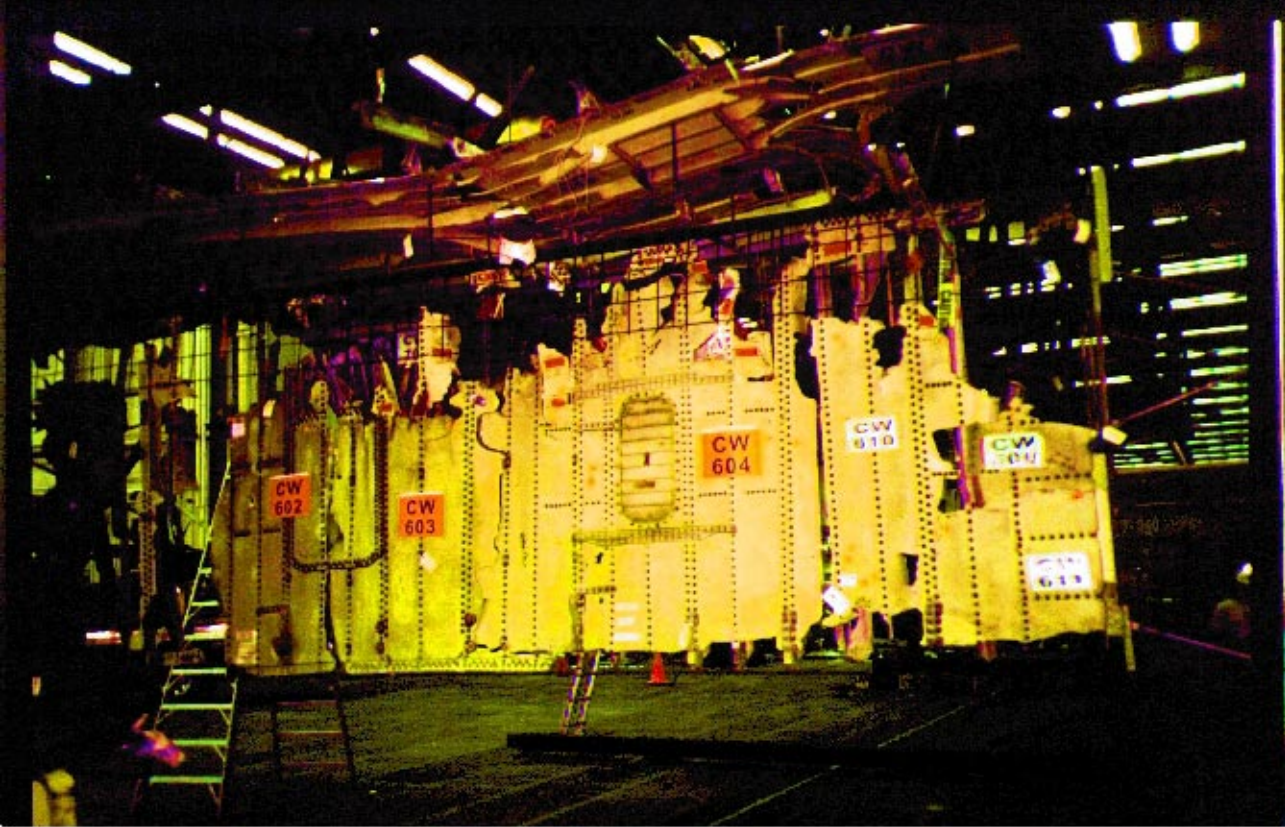
Assembly of span wise beam 3 on mesh, prior to installation on the truss



Moving span wise beam 3 into place using a fork lift
on February 13



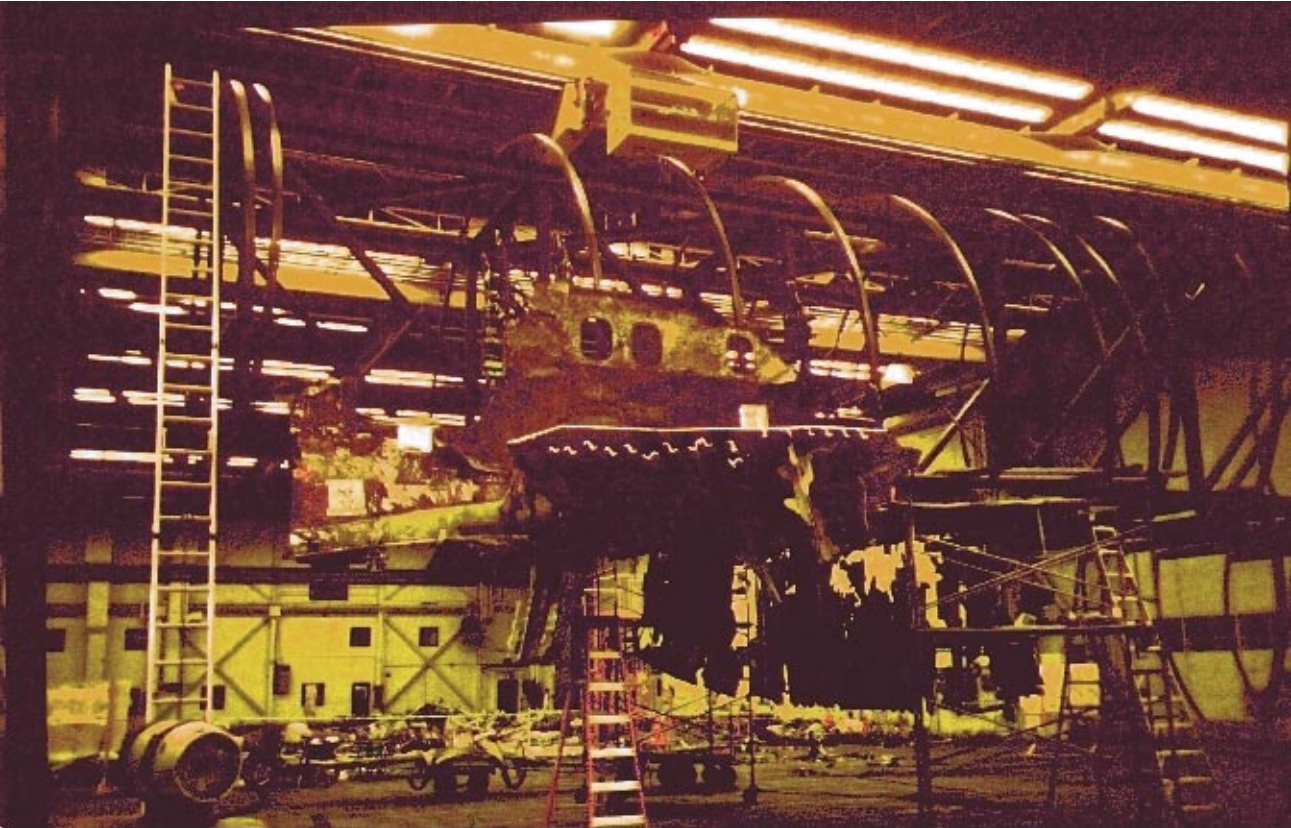
Raising span wise beam 3 into place on coil rods



Span wise beam 3 in place on the truss



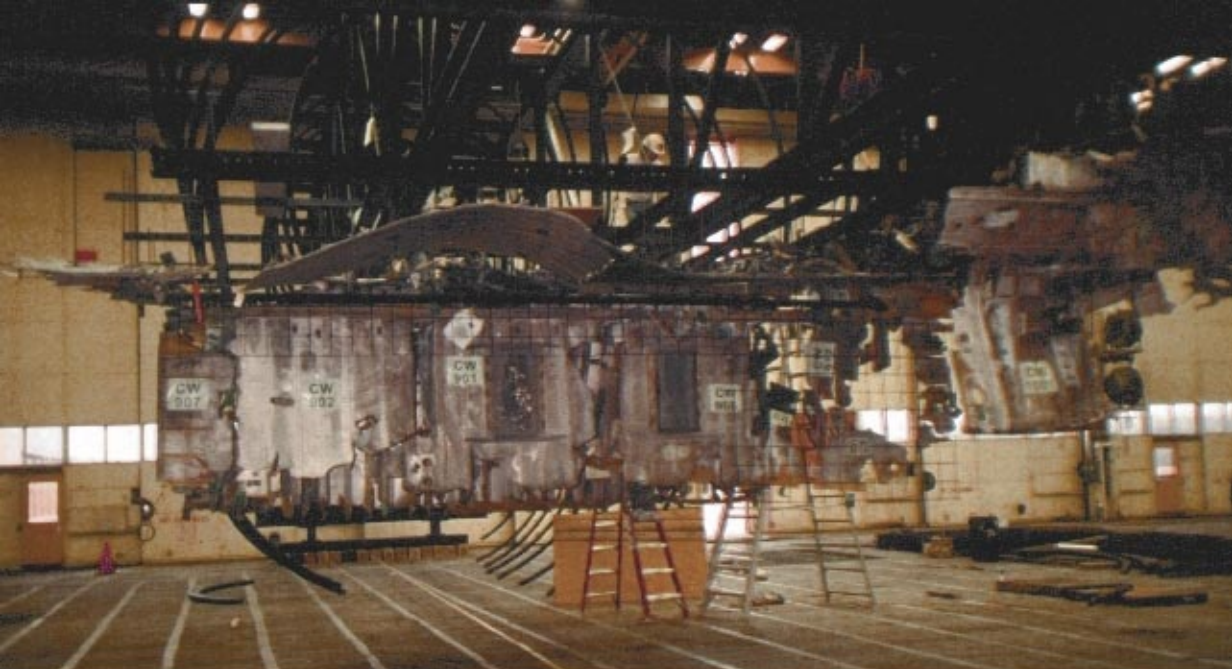
The truss assembled to support the piece of the plane on February 6



RF 17 in place on the truss



View from the left side looking at the center wing tank being assembled



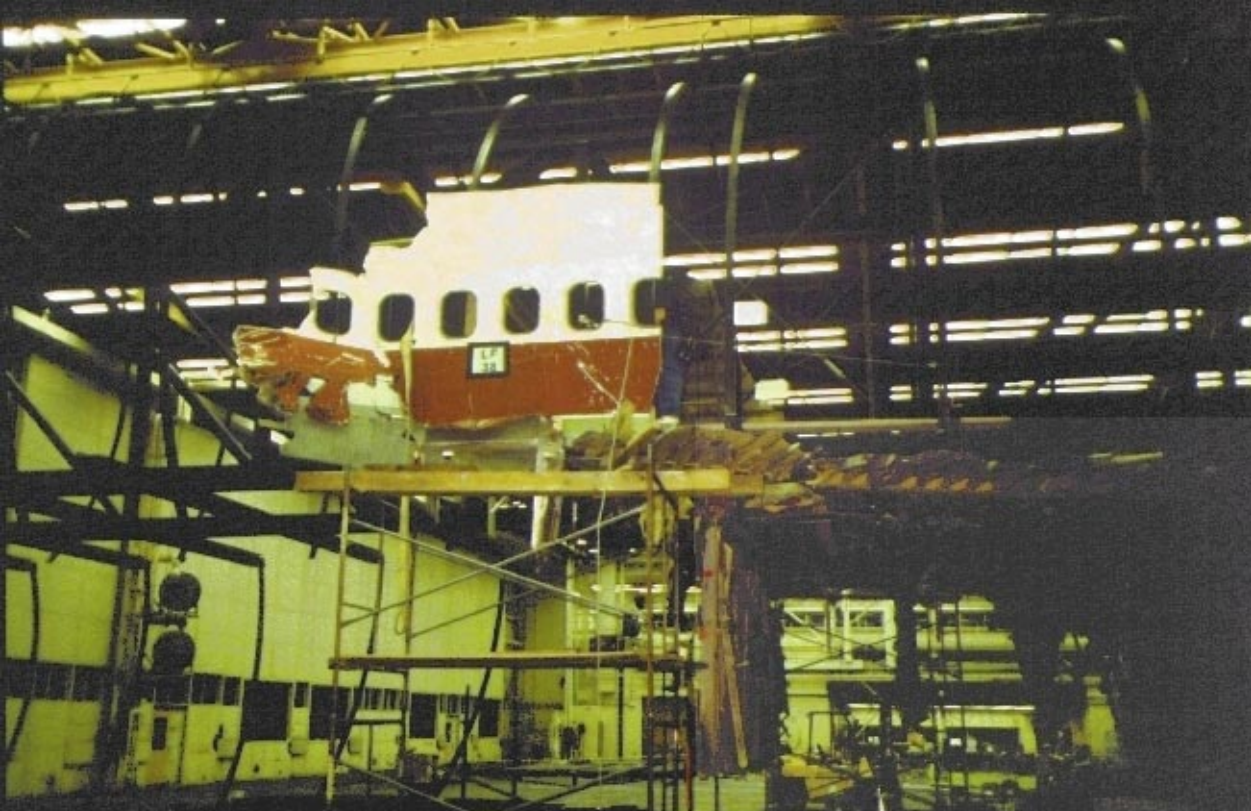
Spanwise beam 1 lifted into place on the truss as viewed from behind, looking forward on February 14



The left hand side of the front of Spanwise beam 1 as viewed from the side, looking at CW 902 and 907



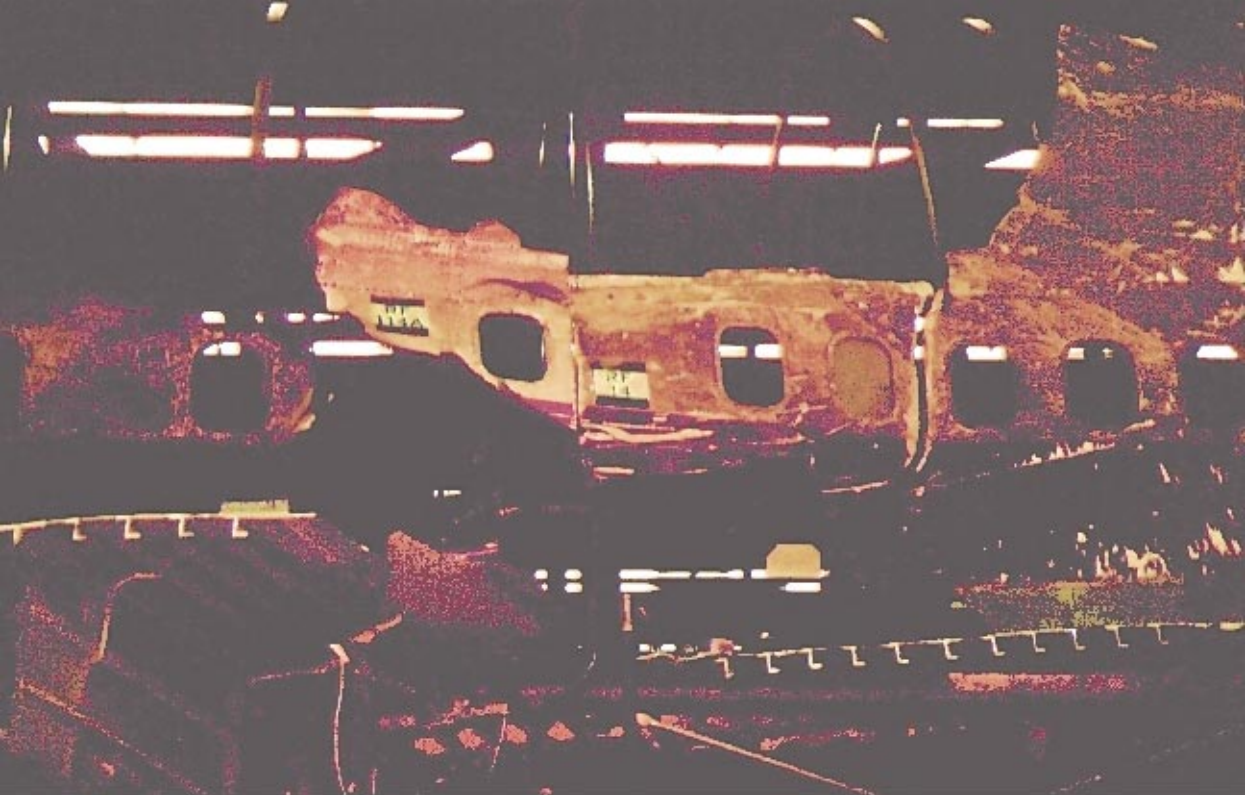
The right hand side of the front of Spanwise beam 1 as viewed from the side, looking at CW 910, 912, and 907. Includes part of the rear spar (1001)



Installation of LF38 on February 15



Evaluating RF114A at various locations prior to fastening it to the structure on February 16



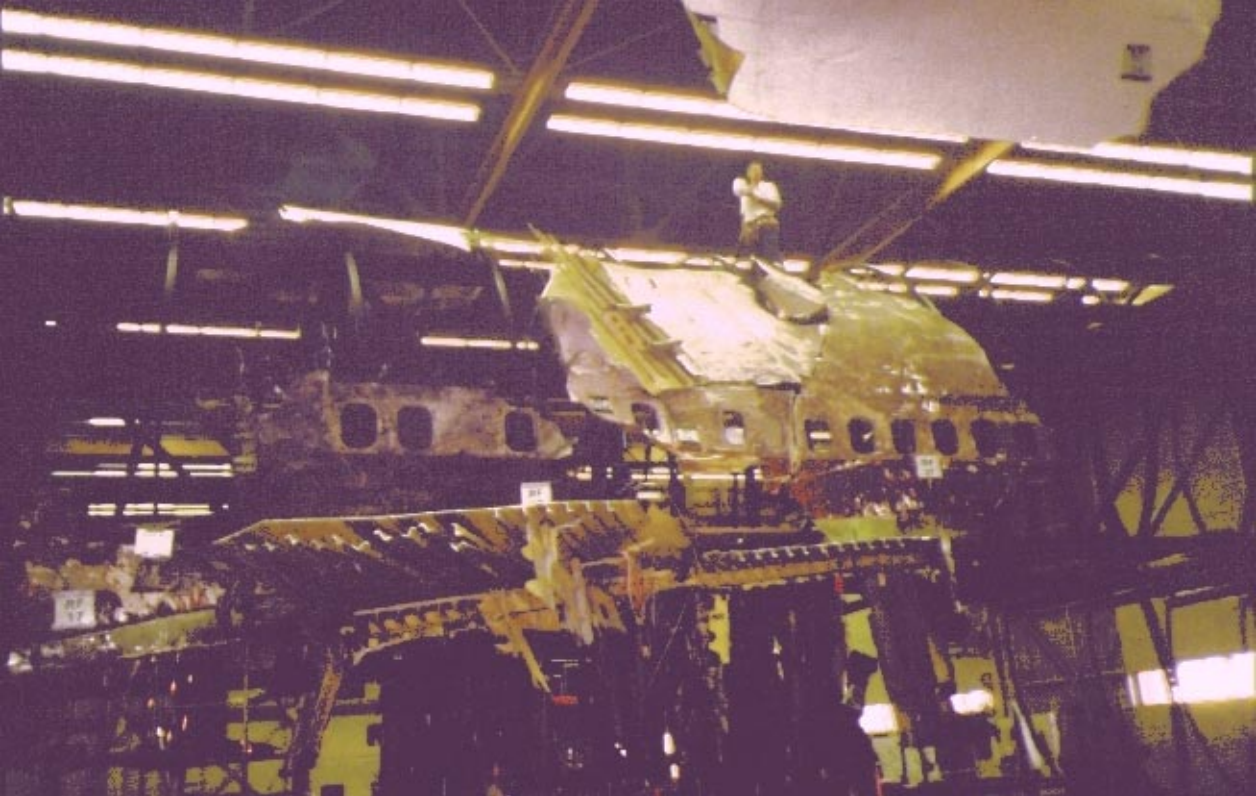
RF114A attached to RF14 after evaluation



The top of the center wing fuel tank, including CW 125, 102, and 101



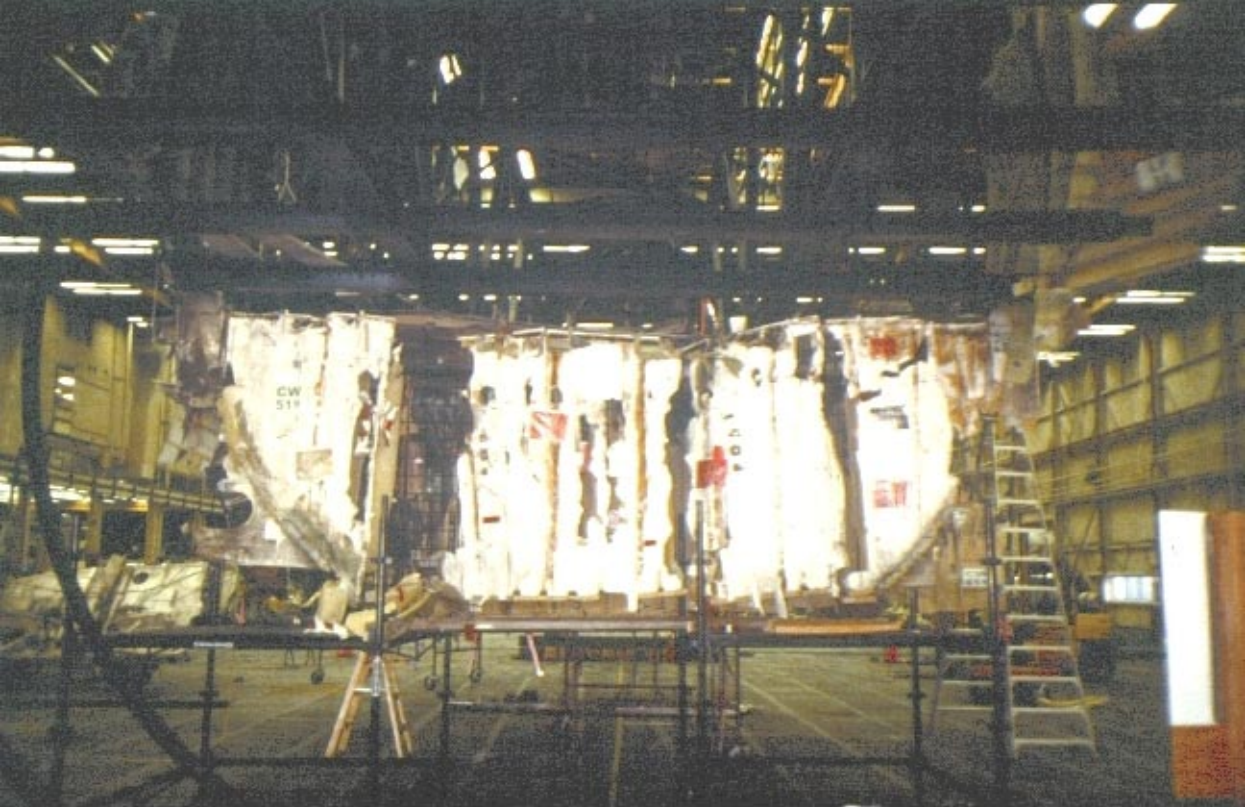
Looking at the right interior, including RF37, RF14, RF114A,
and RF17



The right side of the fuselage including RF23, and parts of the top, on February 17



Installation of roof parts as shown from the right side,
including RF41 and RF34



View of the front spar looking rearward after mounting
on the truss on February 17



Placing RF38, a large piece with the titanium right side landing gear beam attached on February 18



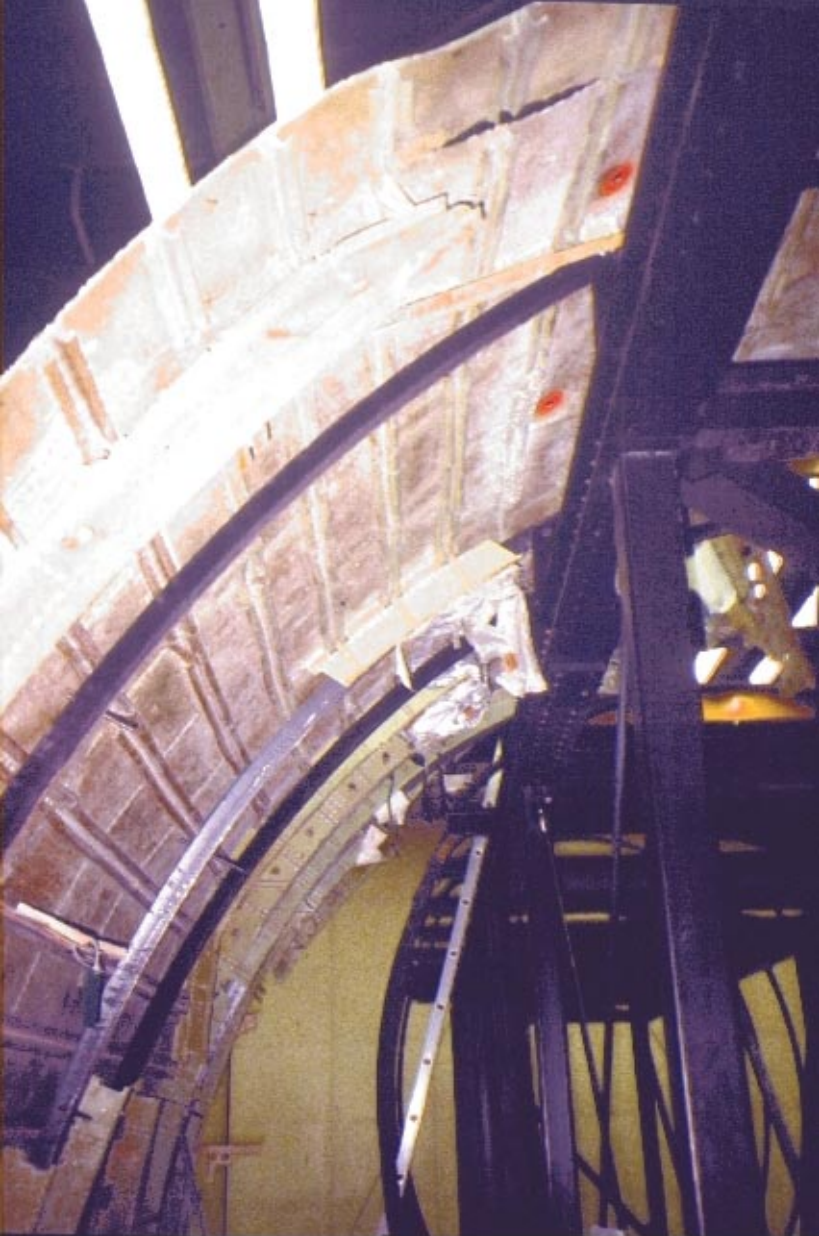
Installation of 2 of the 4 pieces of LF38 on February 19



Right hand side of interior fuselage looking rearward



Right hand side of interior fuselage looking forward at RF114C and RF23



Painting of holes with orange paint
in the interior



Top of the center wing fuel tank, looking at CW101 and CW114



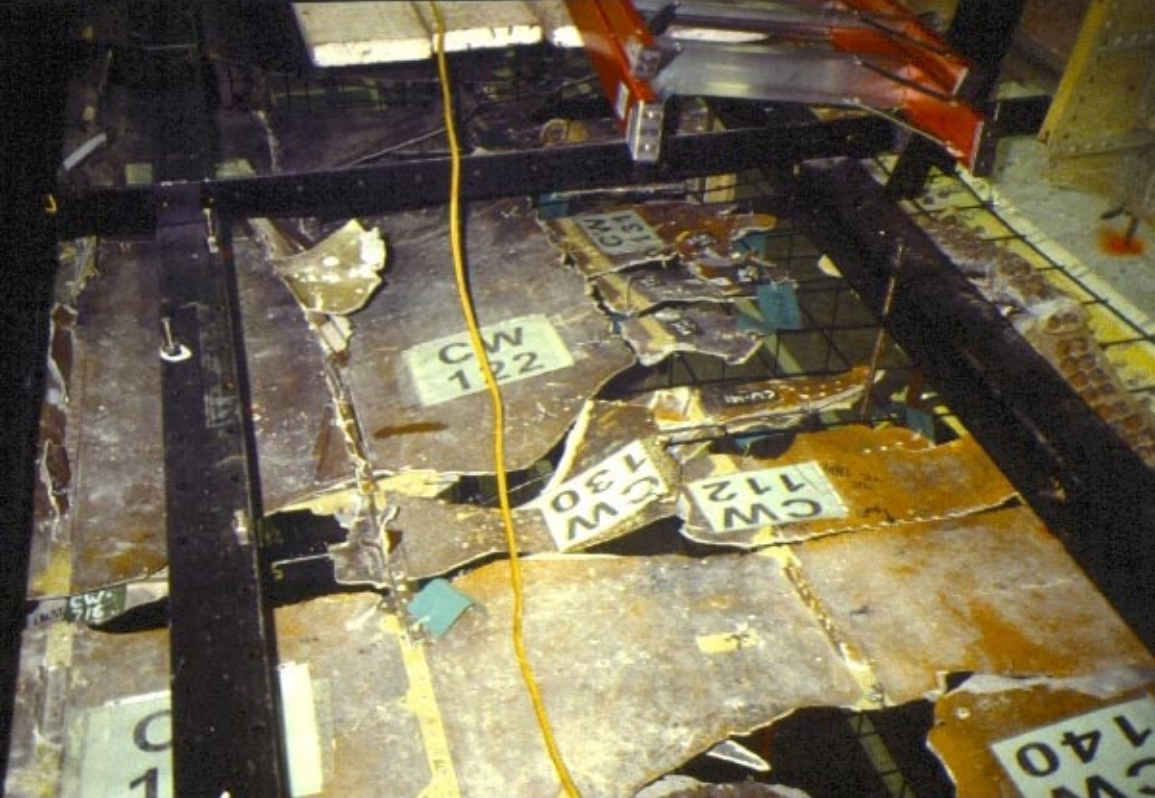
Top of the center wing fuel tank,
looking at CW130,112,140, and 148



Top of the center wing fuel tank, looking at CW130, 112, 140, 148 and the mesh that was placed to attach smaller pieces



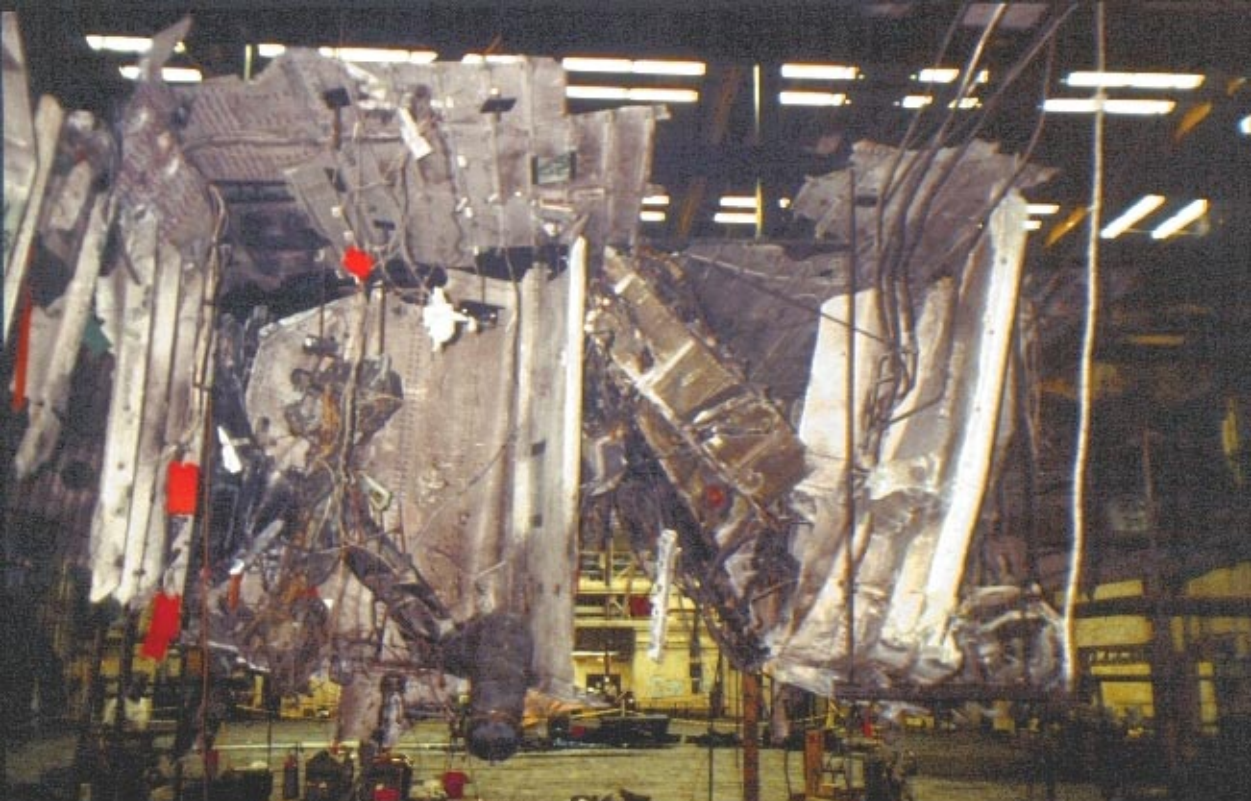
Smaller pieces of the center wing fuel tank including CW166



Top of the center wing fuel tank, looking at CW130, 112, 122, 141, and 131



Installation of the remaining portion of LF 38 on February 20



Area of the landing gears, showing pressure deck and the LF40, 0 body line on February 25, looking from left to right



Area of the landing gears, showing pressure deck and the LF40, 0 body line on February 25, looking from right to left



Looking at the mid spar including CW801, 815, and 802
from the right to left side



Looking at the mid spar, including CW801, 815, and 816,
from the left to the right side



Looking at the center of the mid spar including CW801



Looking at CW1106 and CW829



Looking at CW1106, 1108, and 1101



Looking at CW1103



Looking at the pressure deck and LF40 from the right to left



Looking at RF38, the 1350 bulkhead



Lifting LF69 into place on top of the plane from the left side on February 25



Lifting LF69 into place on top of the plane from the right side



LF39A attached to the truss on February 25



LF2 attached to the truss on February 26



Lifting LF29 into place



Working on the 1450 bulkhead on February 26 after installation of RF119



Installing ribs for mesh for the rear cargo area on February 26



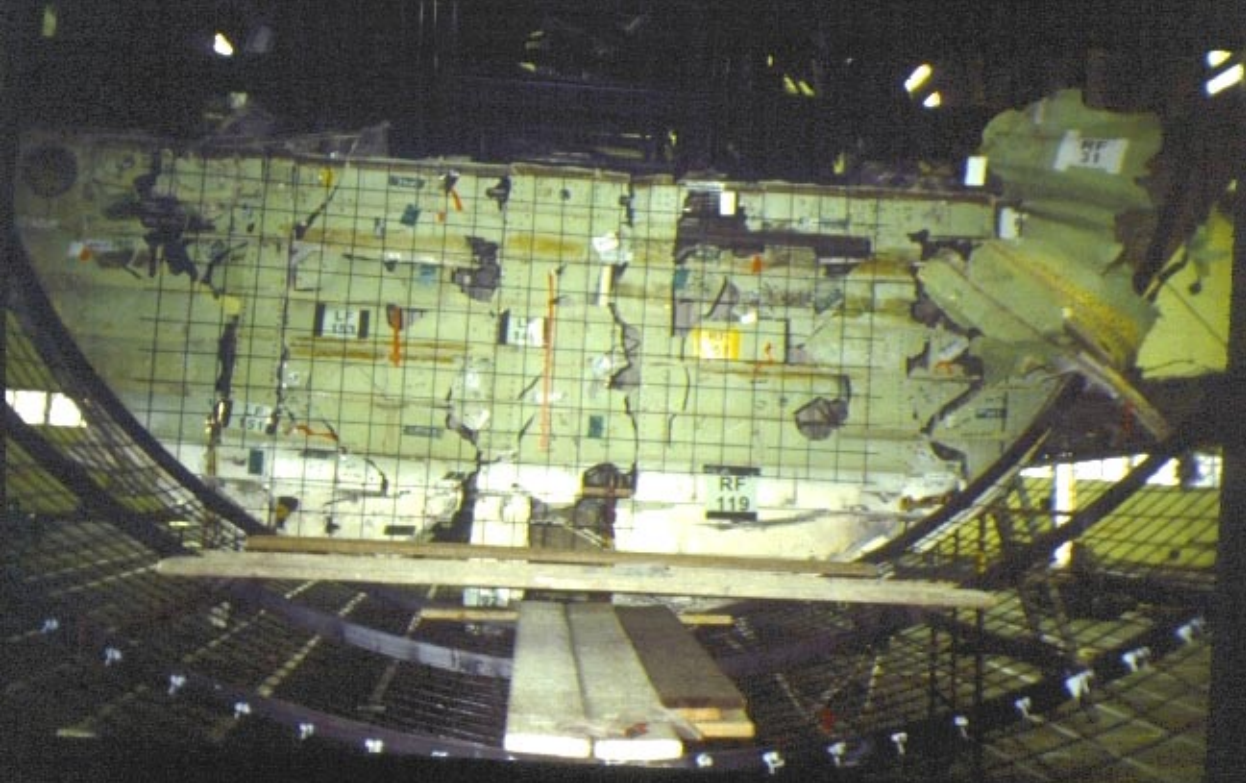
Interior of the plane including LF69 and RF42



Left side of the center wing fuel tank
with bottom floor and portions of the
keel beam



Right side of the center wing fuel tank with bottom floor and portions of the keel beam on March 2



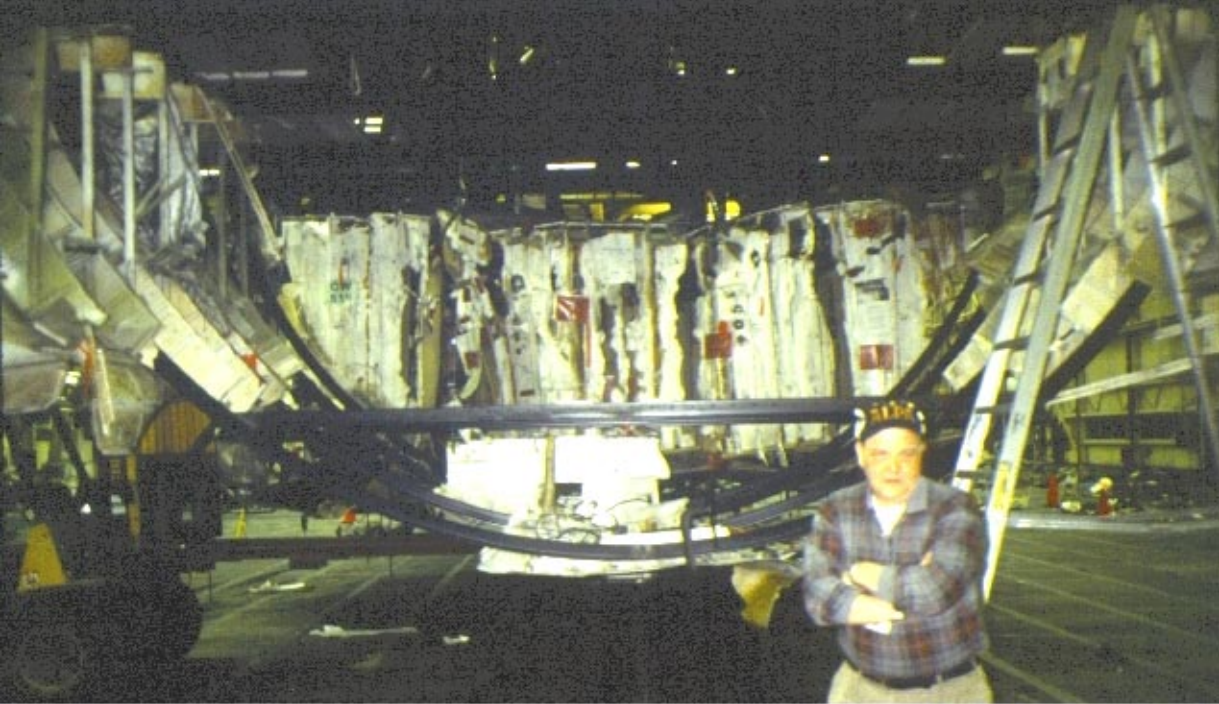
The 1450 bulkhead looking forward



LF12B and LF5 installed on the truss on March 3



Installation of the bottom of the front cargo bay (LF6A)
on March 4 as viewed from the left side



Framework for the front cargo bay, looking rearward



The front cargo bay from the right side



View of RW2, the front spar and
the front of the keel beam



The placement of the keel beam and orange protective caps on the coil rods on March 5



Building the front cargo bay area



Installing the red zone on the right side



Picture of left side with LF 12B, 98 and 24 A and B
in place on March 6



Right side from a forward position



Right side



Right side from a rearward position



Close-up of the fuel tank and the red area on the right side



The rear of the right side



The left side from the rear



The left front of the reconstruction in the red and green area



Internal view looking rearward



The roof of the plane from the inside



Internal view of the right side looking forward



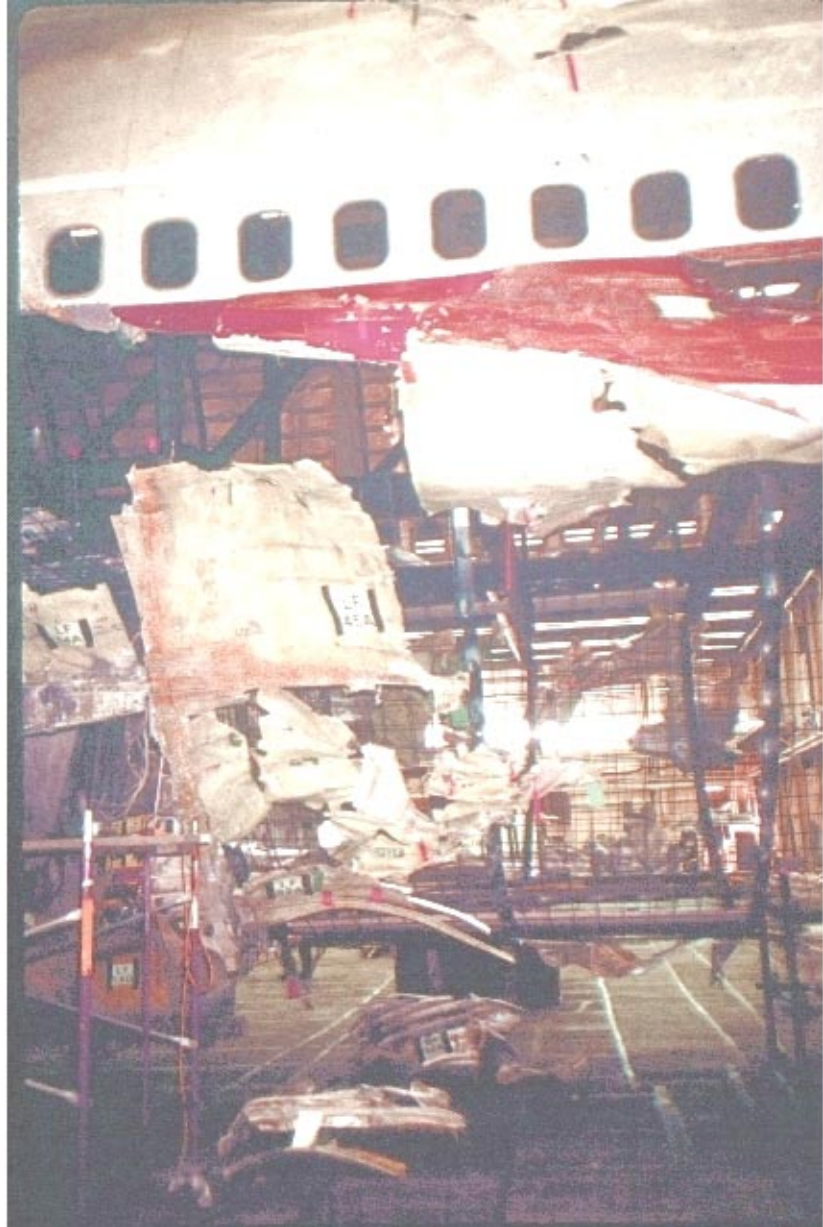
Close-up of the left red zone with LF12B in place



The hanging of the red zone on the right side, including RF5 (hung March 6), and RF7 being lifted into place on March 7



The right fuselage in the rear cargo area including RF53C, RF31, and others



The left fuselage in the rear cargo area including LF45A



The front cargo bay at station 860



The front cargo bay area



Hanging of yellow pieces starting with RF6A



Hanging of RF4 in the yellow area in two pieces on March 12



LF4 placed on the left front side, and the rest of the left side
on March 13



The left front of the reconstruction at LF4



Full view of the left side of the reconstruction



The right front of the reconstruction



Picture of the lower cargo bay area in the red zone, including LF5, prior to the building of the crib and lowering it to match the bottom of the keel beam



The left rear cargo area including LF45A



The rear of the cargo area including LF45A



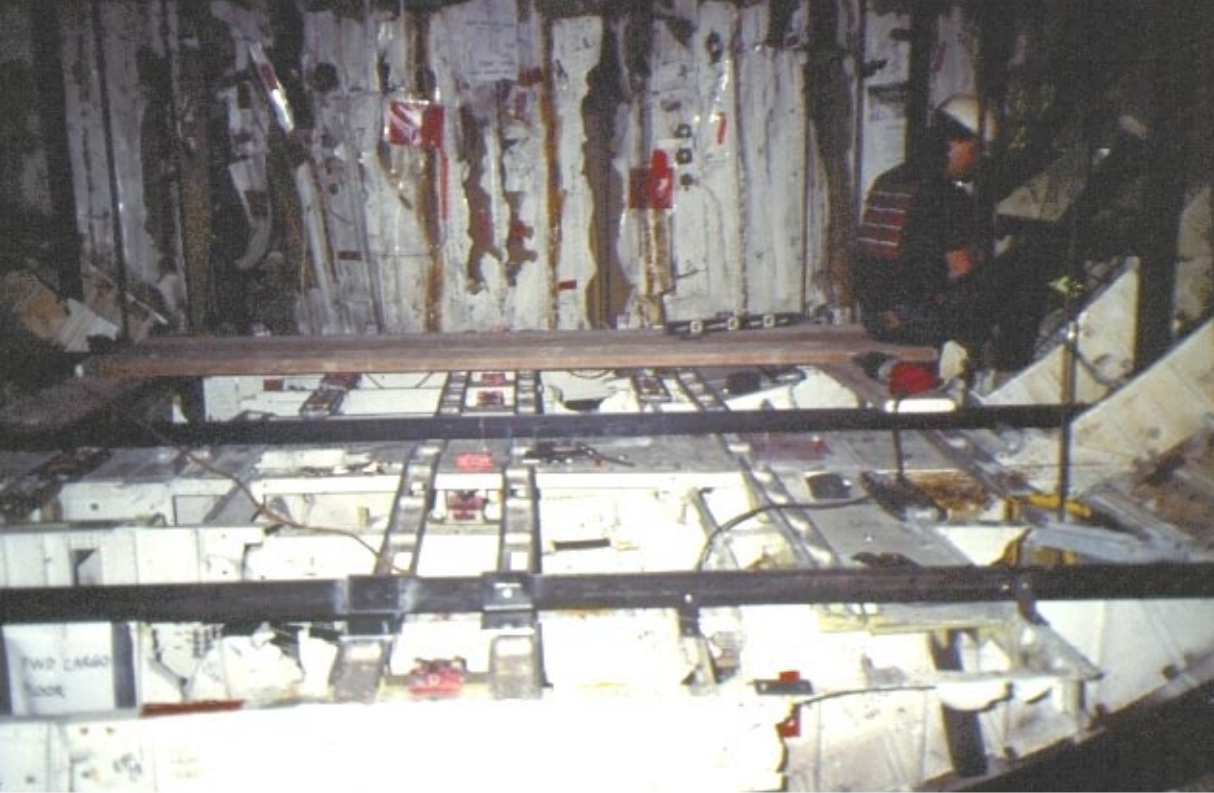
Interior of the plane looking forward



The front cargo bay prior to lowering



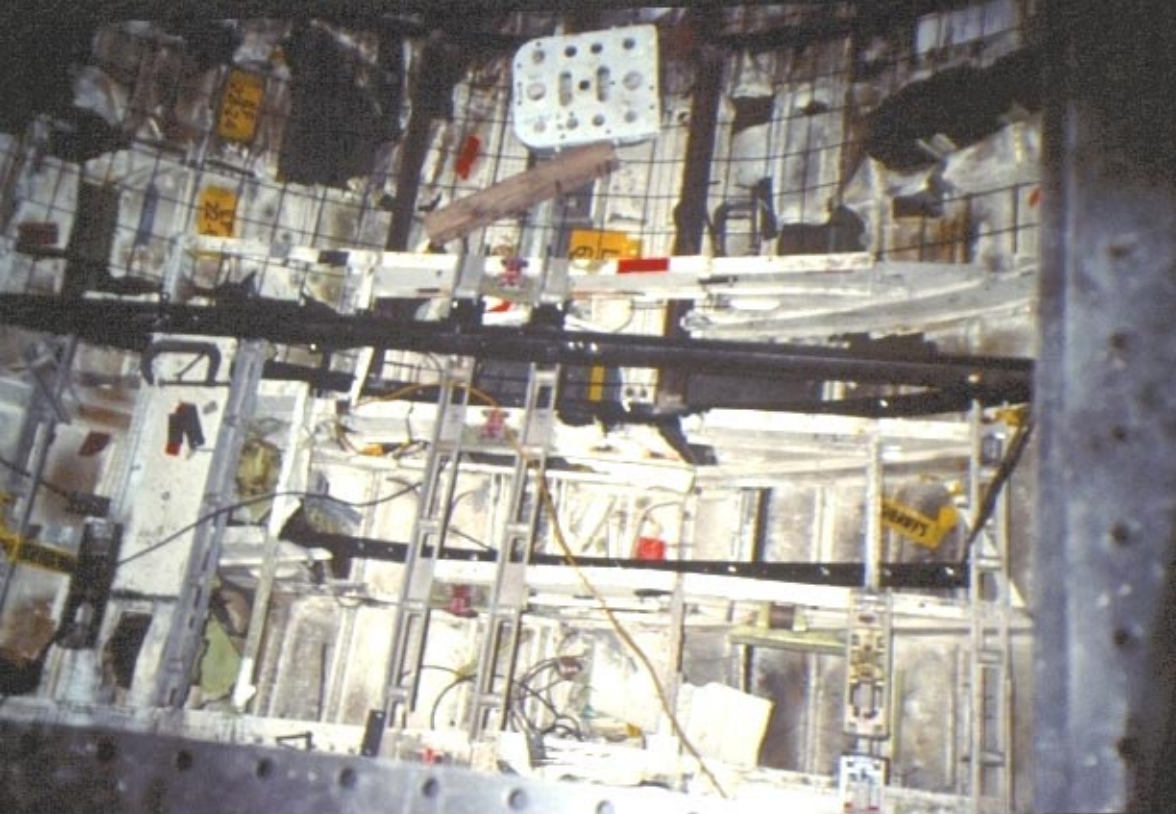
Placement of LF23, LF1, and LF7B in the yellow zone on
March 15



The front cargo bay area in the red zone



The front of the caro bay at station 800, including LF163 and LF6B on March 18



Cargo area looking down from the passenger level on
March 18



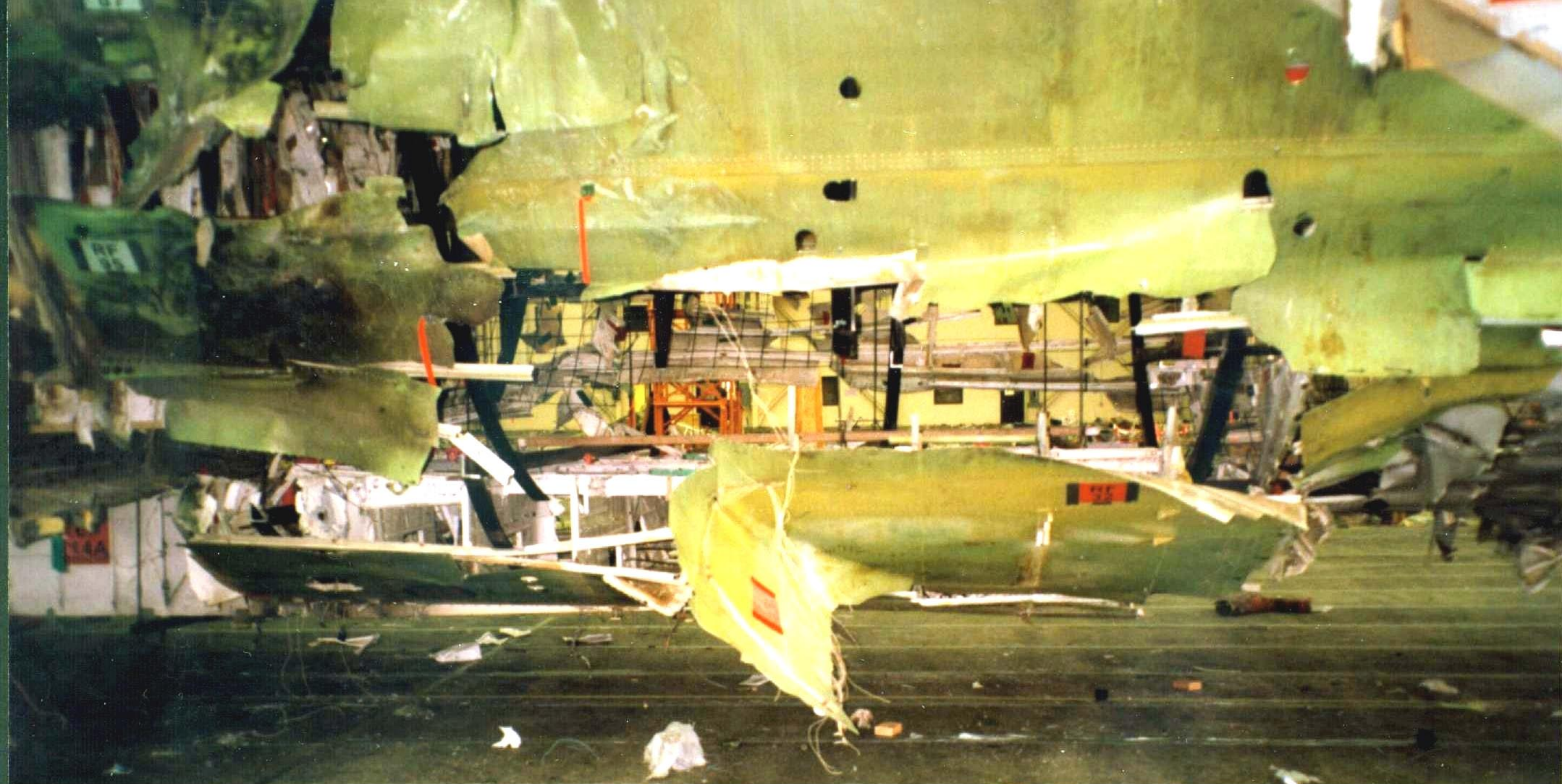
The right side of the plane



The left side of the plane



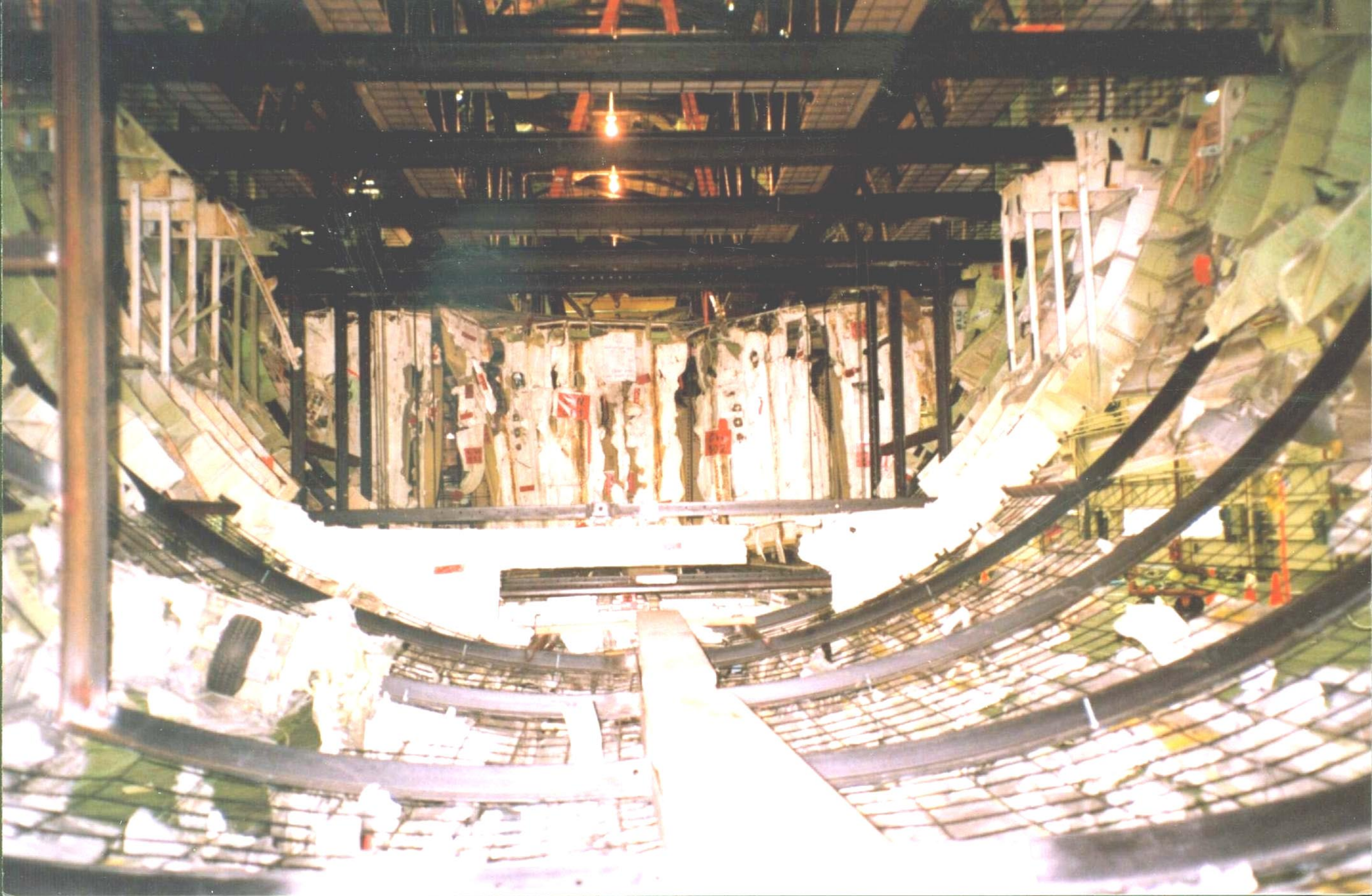
The left side of the red zone crib after it was dropped to match the keel beam from a forward position



The right side of the red zone crib after it was dropped to match the keel beam from a side position



The right side of the red zone crib after it was dropped to match the keel beam from a forward position



The front cargo bay area looking rearward



The front cargo bay area looking rearward in the red zone



The front spar looking rearward



The right side of body rib on April 15



Right front of the plane



Area of the fuel tank on the right side



The fuel tank and the left landing gear beam



The rear portion of the left side of the plane



The front portion of the right side of the plane



The right rear side of the plane



The right side of the plane



The right side of the plane



The right side of the plane



Assembling one of the air packs



View of the front of the plane
and portions of the right side
of body rib



View of the front of the plane



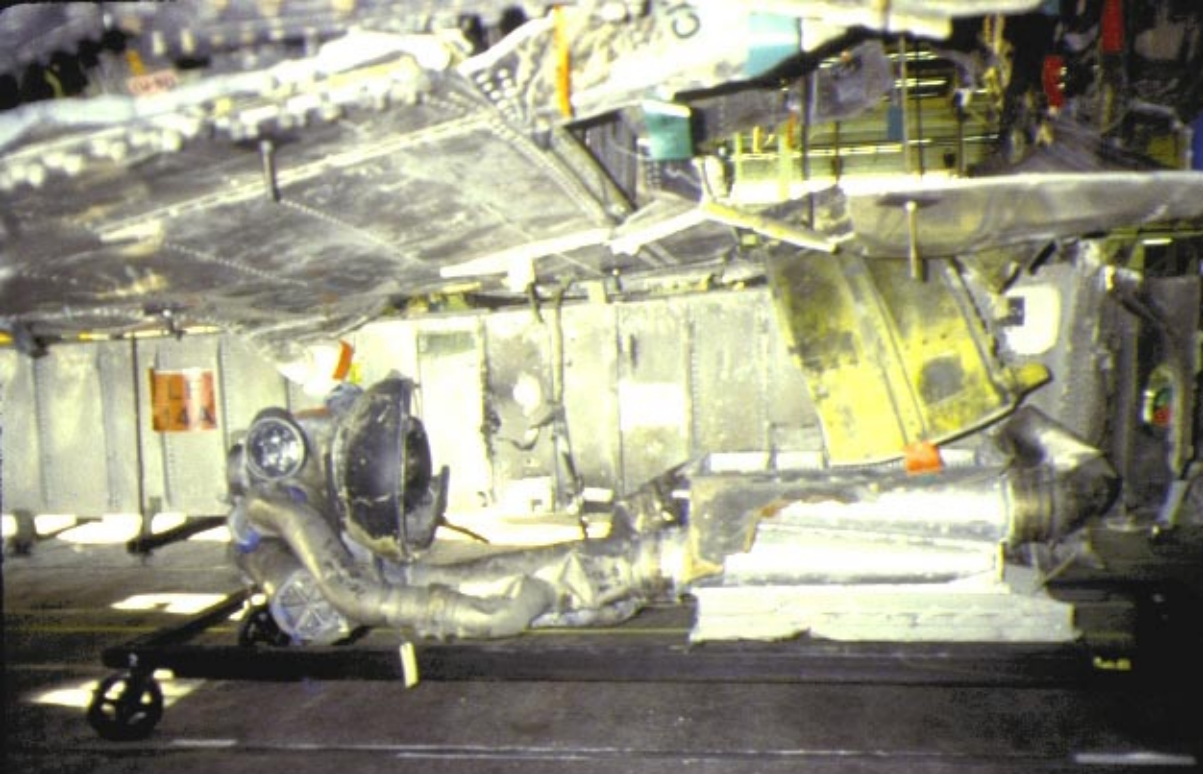
Left front of the plane



Left side of the plane



Left side of the plane from behind



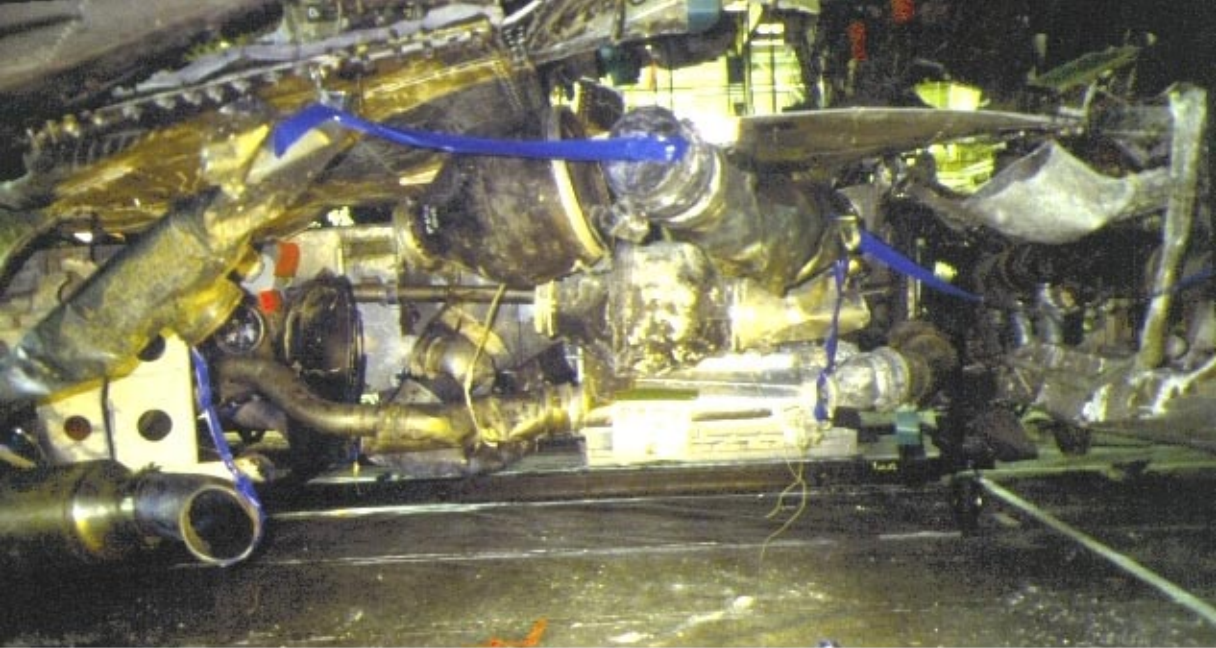
Air pack with the ACM being checked for clearances on the left side



Adding the bottom of the left wing to the center fuel tank



The bottom of the left wing and
the air packs in place on April 19



Pack 2 in place



Pack 1 in place



Front view of pack 1



Pack 3 in place under the center fuel tank



Close-up of pack 3



Front view of pack 3



Right side of plane



Right side of the plane



Right side of the plane