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TECHNICAL INSPECTION REPORT

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By Authority of Joint Chiefs of Staff (Action 15 Apr 49)

By John Beaggs Capt Date 24 April 51

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U.S.S. INDEPENDENCE (CVL22)

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VOLUME 3 OF 4

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TECHNICAL INSPECTION REPORT

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John P. Regan, Capt AFMVP Date *24 Sept 51*

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NOTE: This volume contains
pages 251 to 508 inclusive.

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X. Forest,
Captain, U.S.N.

USS INDEPENDENCE (CVL22)

Page 251 of 766 Pages

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AA-CR-175-2039-3. View into hangar through forward elevator opening.

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USS INDEPENDENCE (CVL22)

Page 252 of 766 Pages

9625



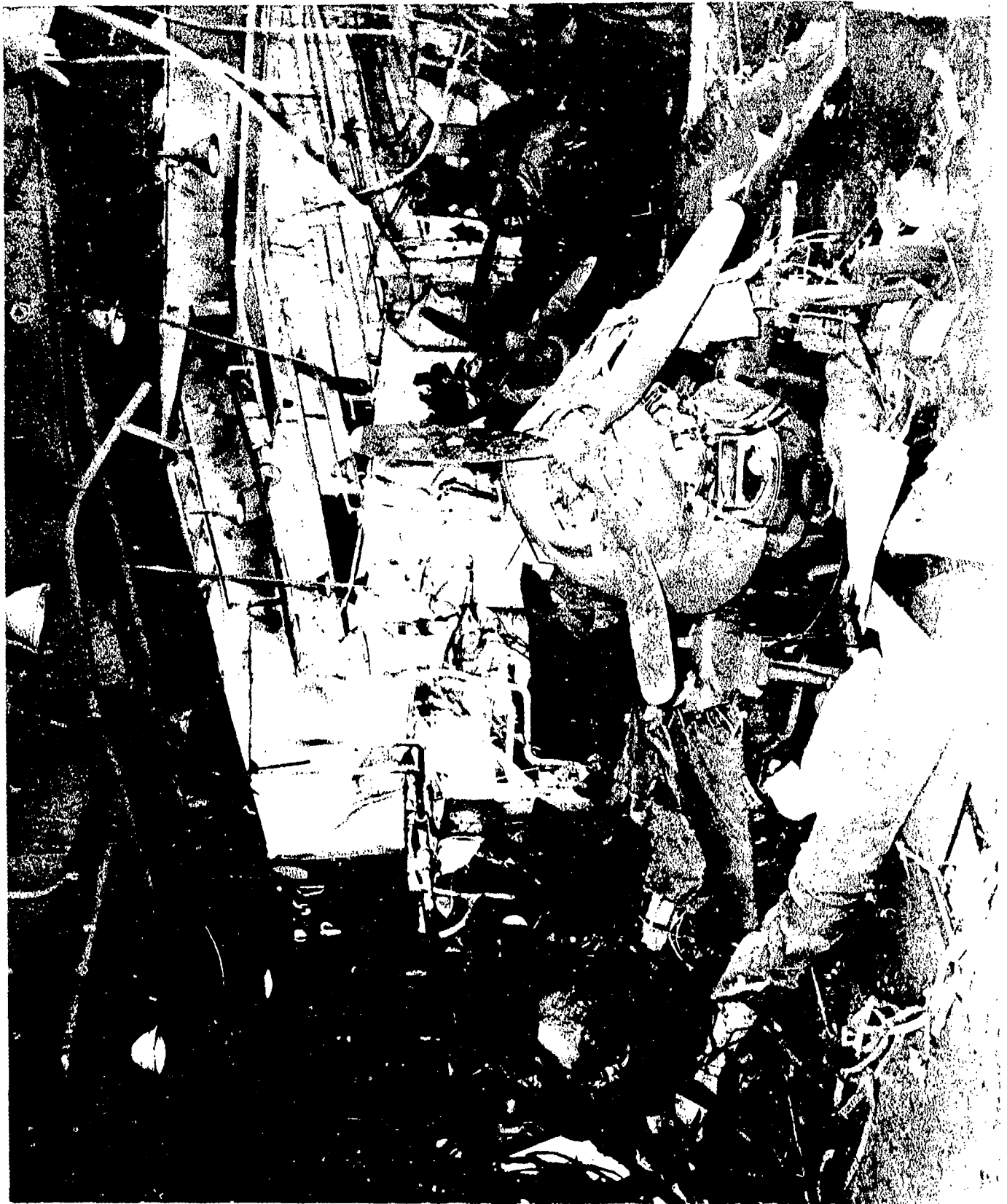
AA-CR-175-2039-9. View showing plane in forward elevator pit, looking aft and to port.

SECRET

Page 253 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



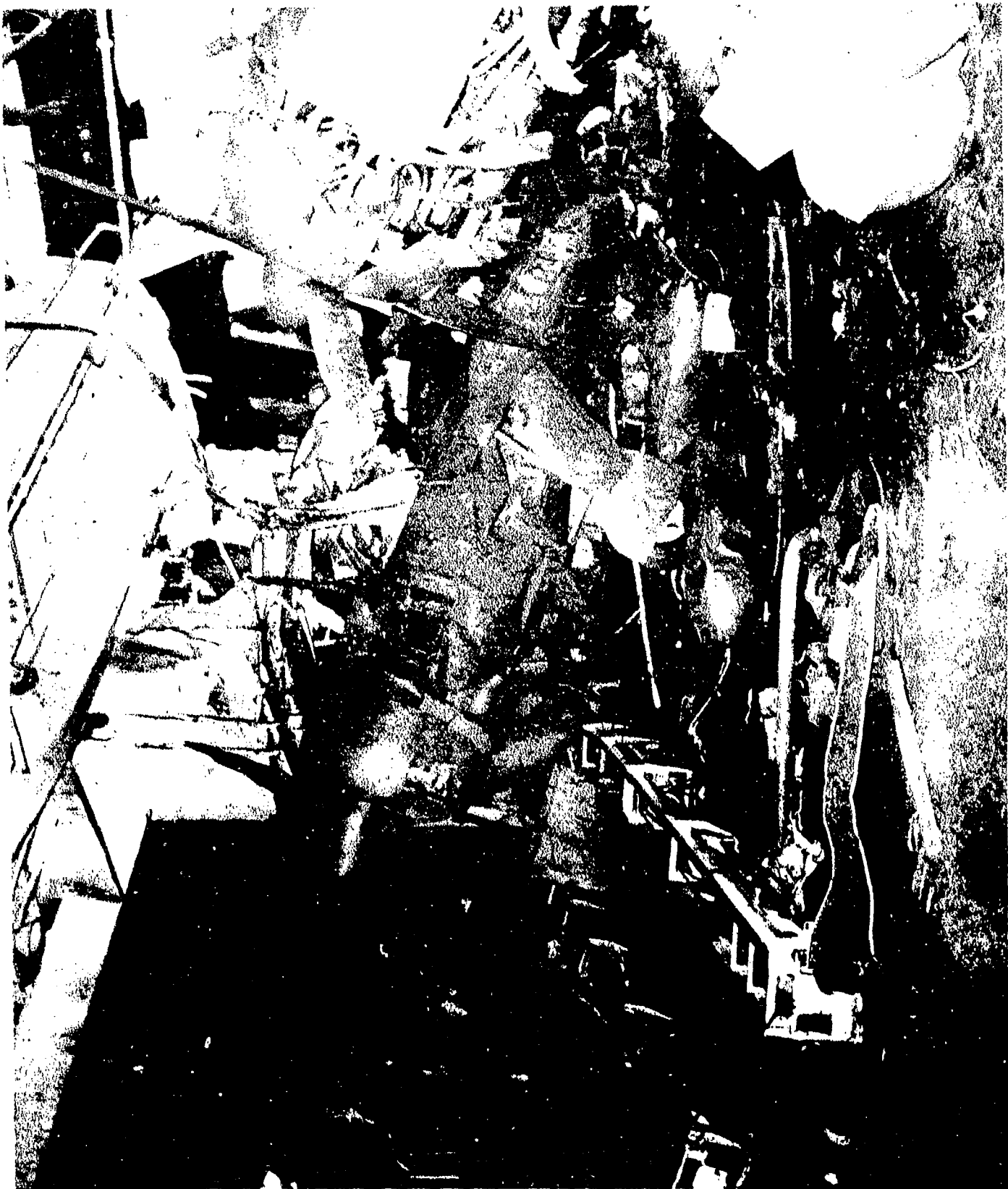
AA-CR-175-2037-3. General view of flight deck. Looking aft and to starboard from Bent 56.

SECRET

Page 254 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



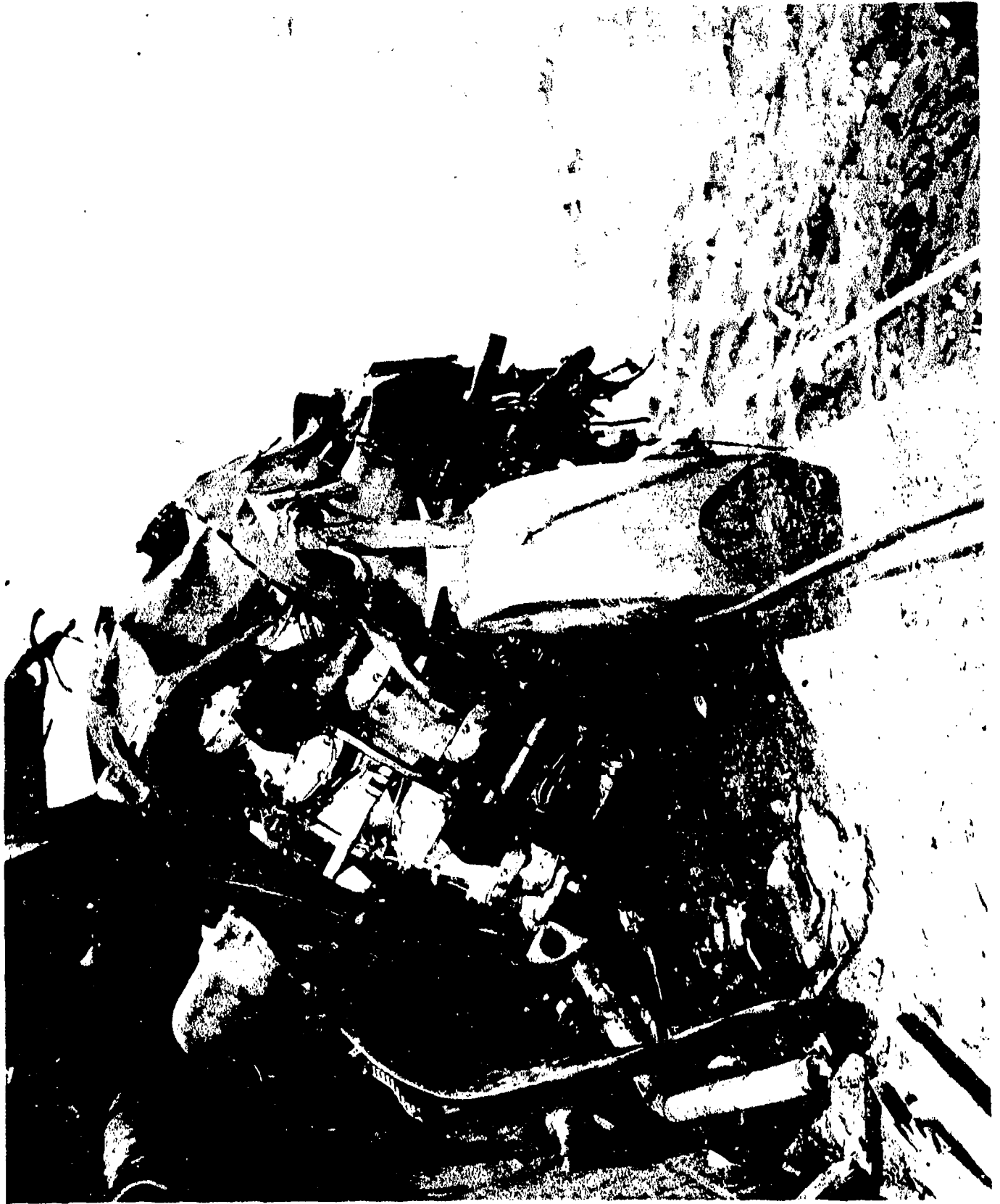
AA-CR-175-2037-5. General view of hangar deck, looking to starboard and forward from Bent 80.

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USS INDEPENDENCE (CVL22)

Page 255 of 766 Pages

9625



AA-CR-175-2039-6. Airplane engine blown from hangar to top of port blister. Looking aft. Chock is at frame 79.

SECRET

USS INDEPENDENCE (CVL22)

Page 256 of 766 Pages

9625



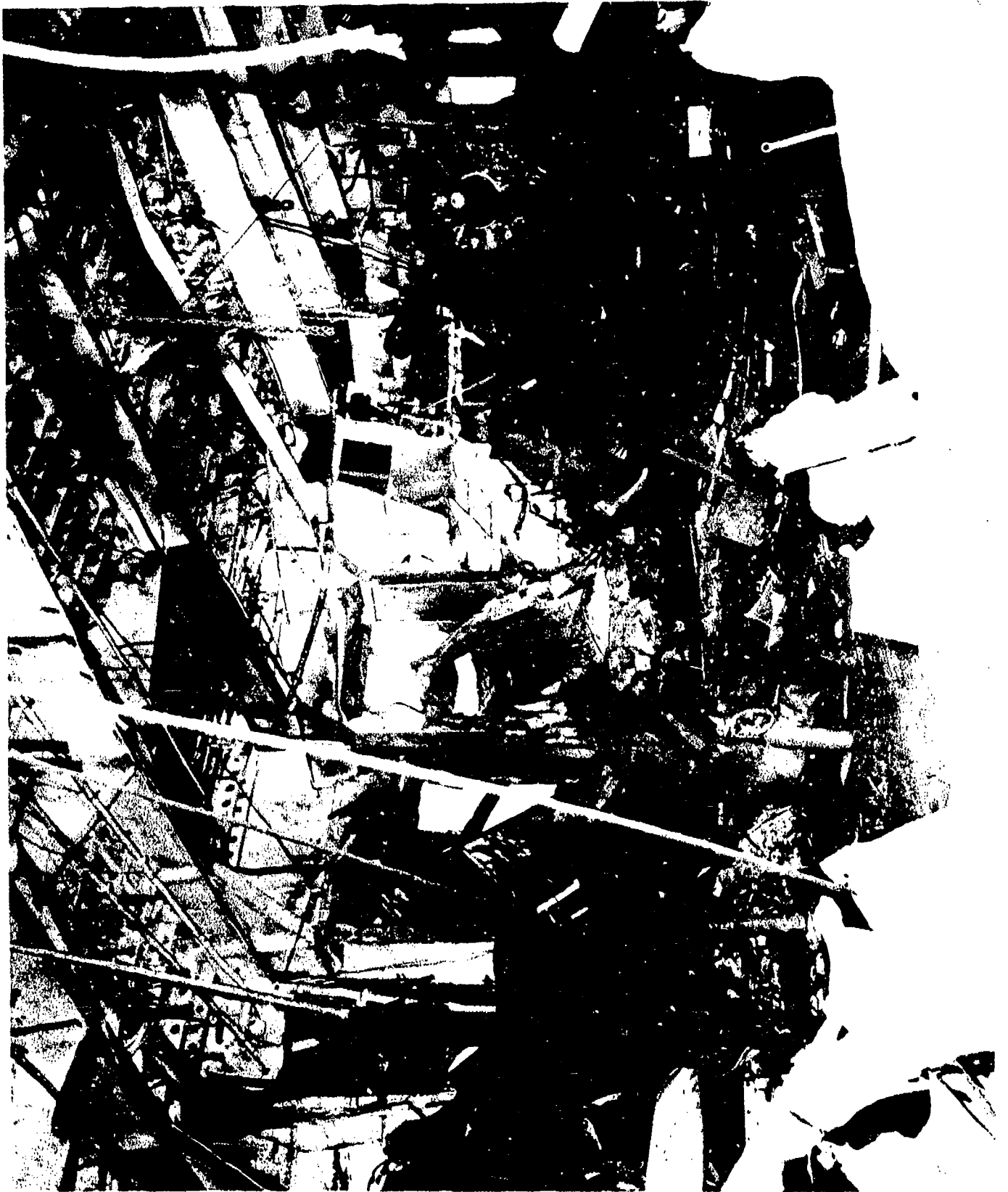
AA-CR-65-1736-5. General view of hangar, starboard side, inboard of Bent 65.

SECRET

USS INDEPENDENCE (CVL22)

Page 257 of 766 Pages

9625



AA-CR-175-2037-6. Hanger-General view looking to starboard and aft from Bent 80.

SECRET

USS INDEPENDENCE (CVL22)

Page 258 of 766 Pages

9625

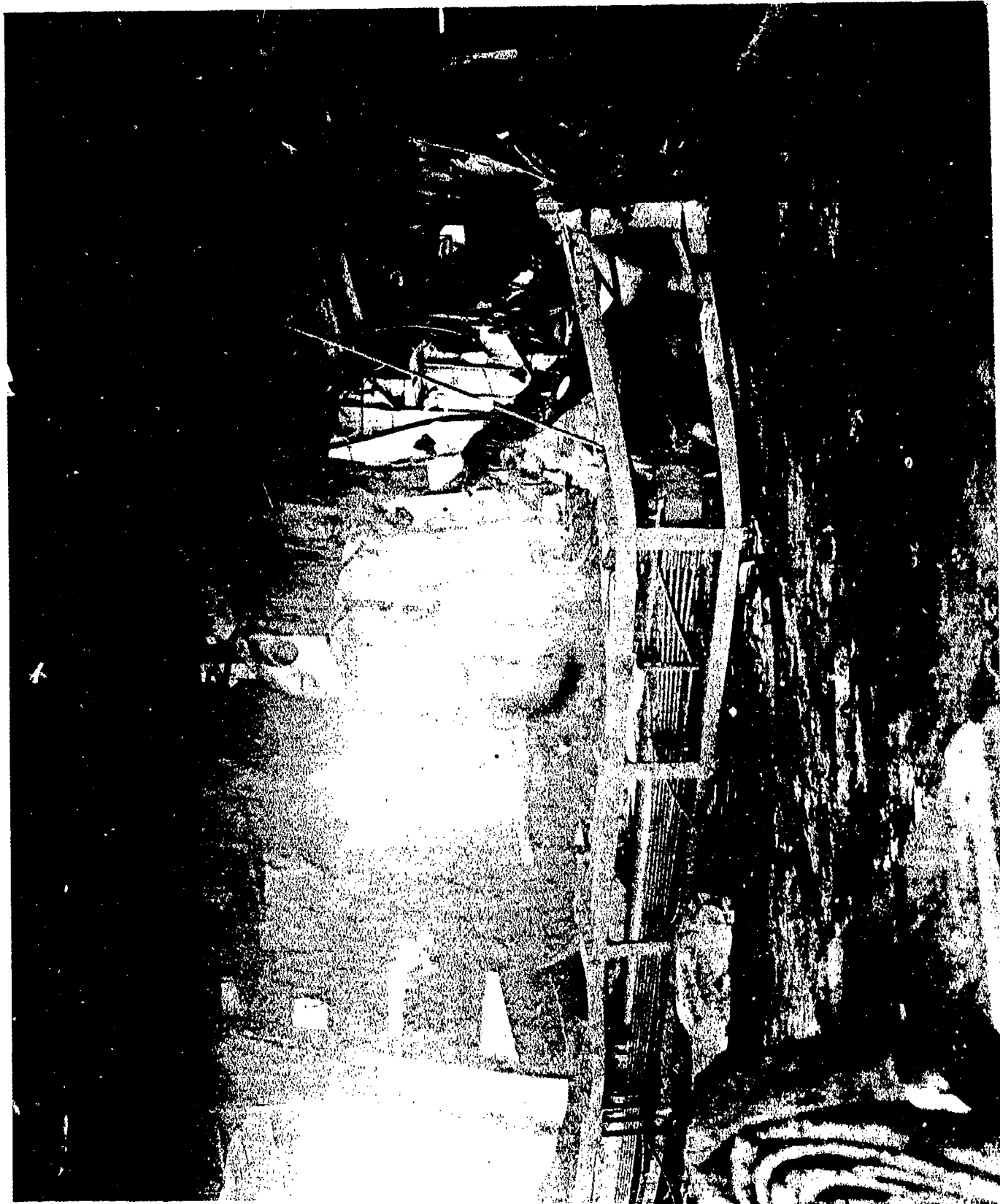


AA-CR-175-2132-5. Hangar. General view, starboard side, Bents 80 to 89. Remains of uptakes 3 and 4 visible.

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USS INDEPENDENCE (CVL22)
Page 259 of 766 Pages

9625



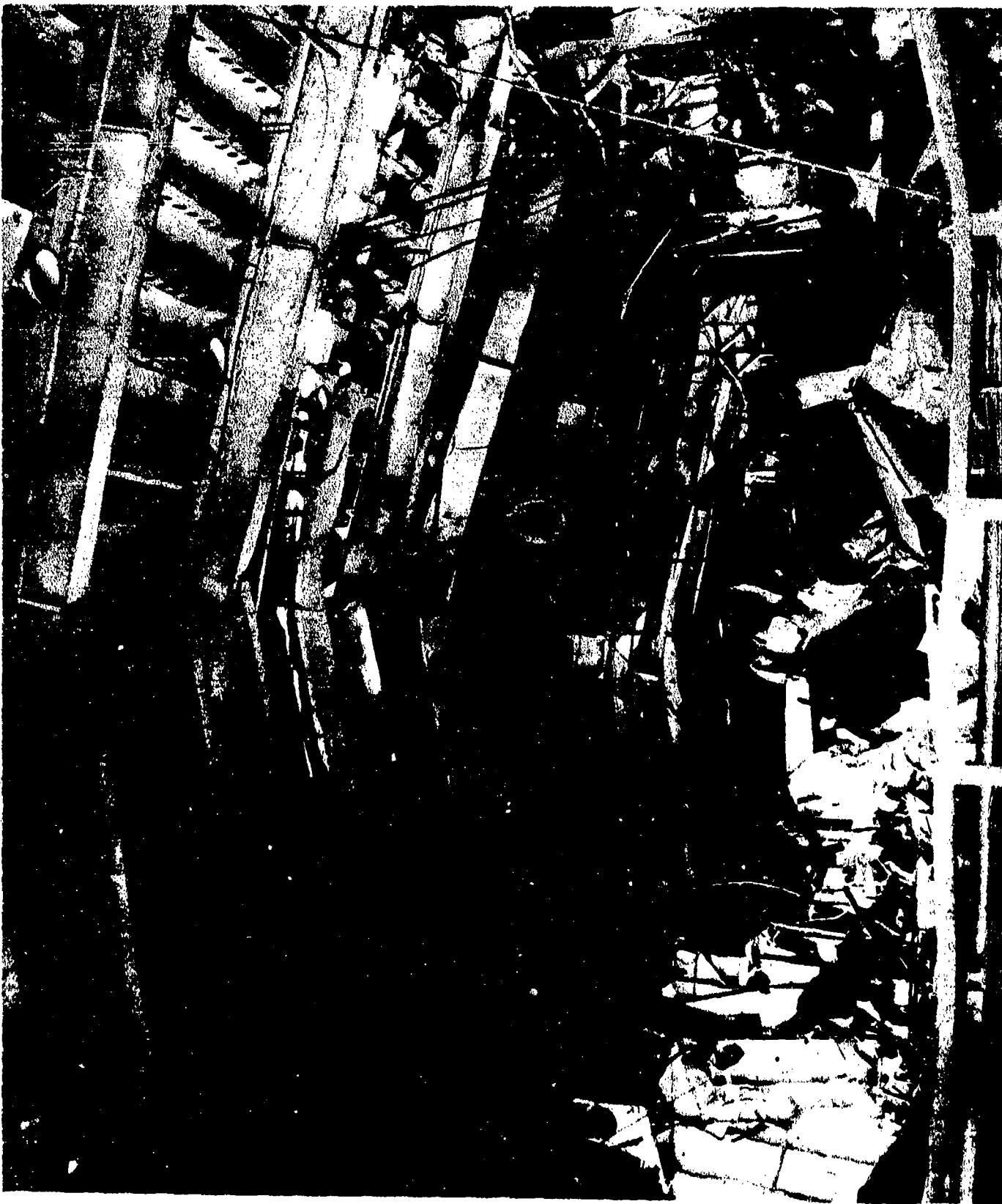
AA-CR-175-2037-11. General view of hangar looking forward and to port. Note opening along port side where side panels have been blown in.

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USS INDEPENDENCE (CVL22)

Page 260 of 766 Pages

9625



AA-CR-175-2037-8. General view of hangar, looking forward from frame 107. Before cleanup.

SECRET

USS INDEPENDENCE (CVL22)
Page 261 of 766 Pages

9625



AA-CR-175-2037-10. General view of hangar and flight deck bents, aft of bent 110. Looking aft and to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 262 of 766 Pages

9625



AA-CR-175-2037-9. Hangar. General view of elevator well and bulkhead 126. Looking to starboard and aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 263 of 766 Pages

9625



AA-CR-175-2038-9. After elevator pit, looking aft and to port. Note demolished water filled trailer and stack of pipe.

SECRET

USS INDEPENDENCE (CVL22)
Page 264 of 766 Pages

9625



AA-CR-65-1735-1. Bulkhead 45. Taken from starboard side of flight deck, looking forward. Showing in particular, dishing of top panel.

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USS INDEPENDENCE (CVL22)

Page 265 of 766 Pages

9625

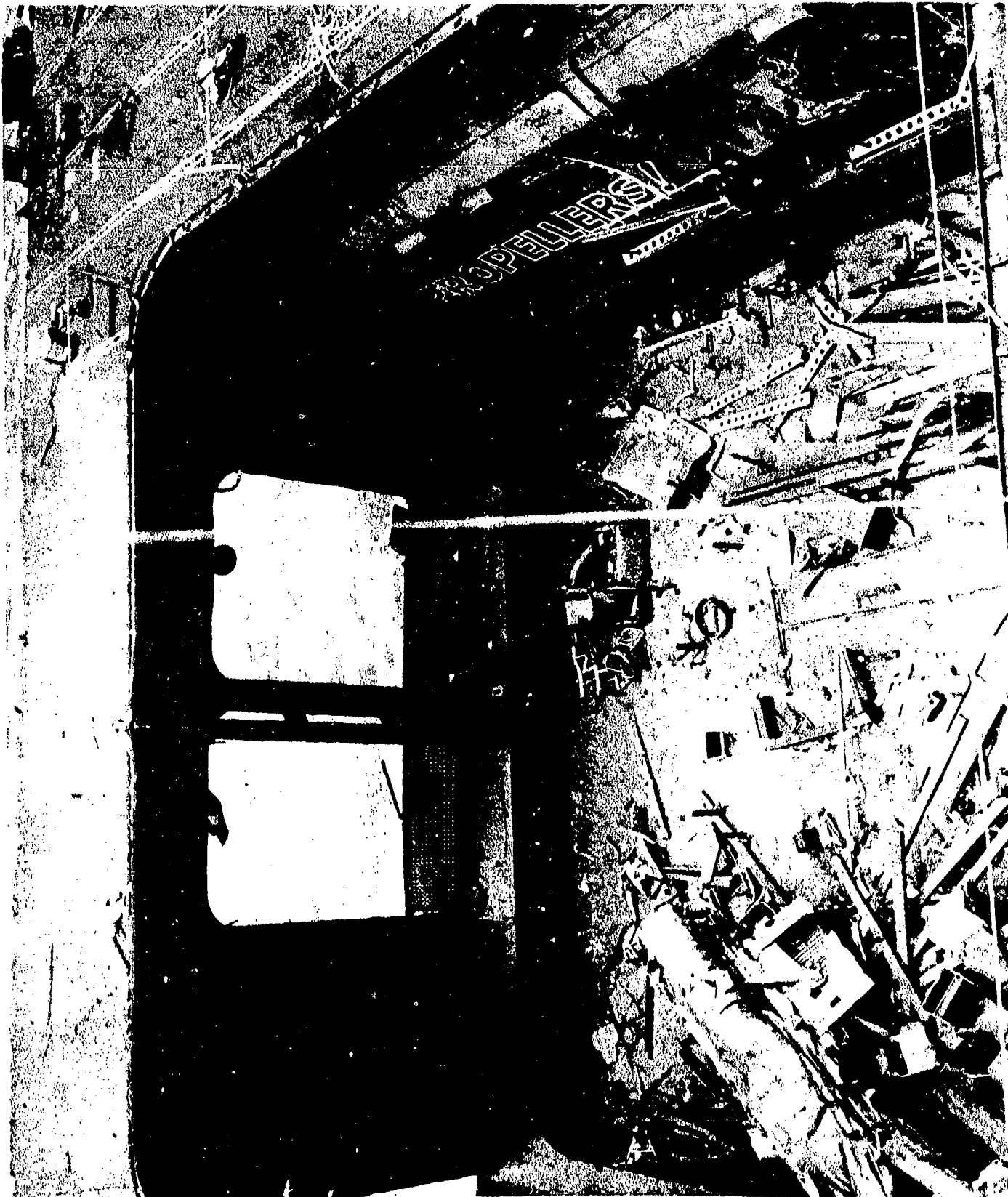


AA-CR-175-2039-4. Forward elevator pit and bulkhead 45, looking forward and down from frame 56 on flight deck.

SECRET

USS INDEPENDENCE (CVL22)
Page 266 of 766 Pages

9625



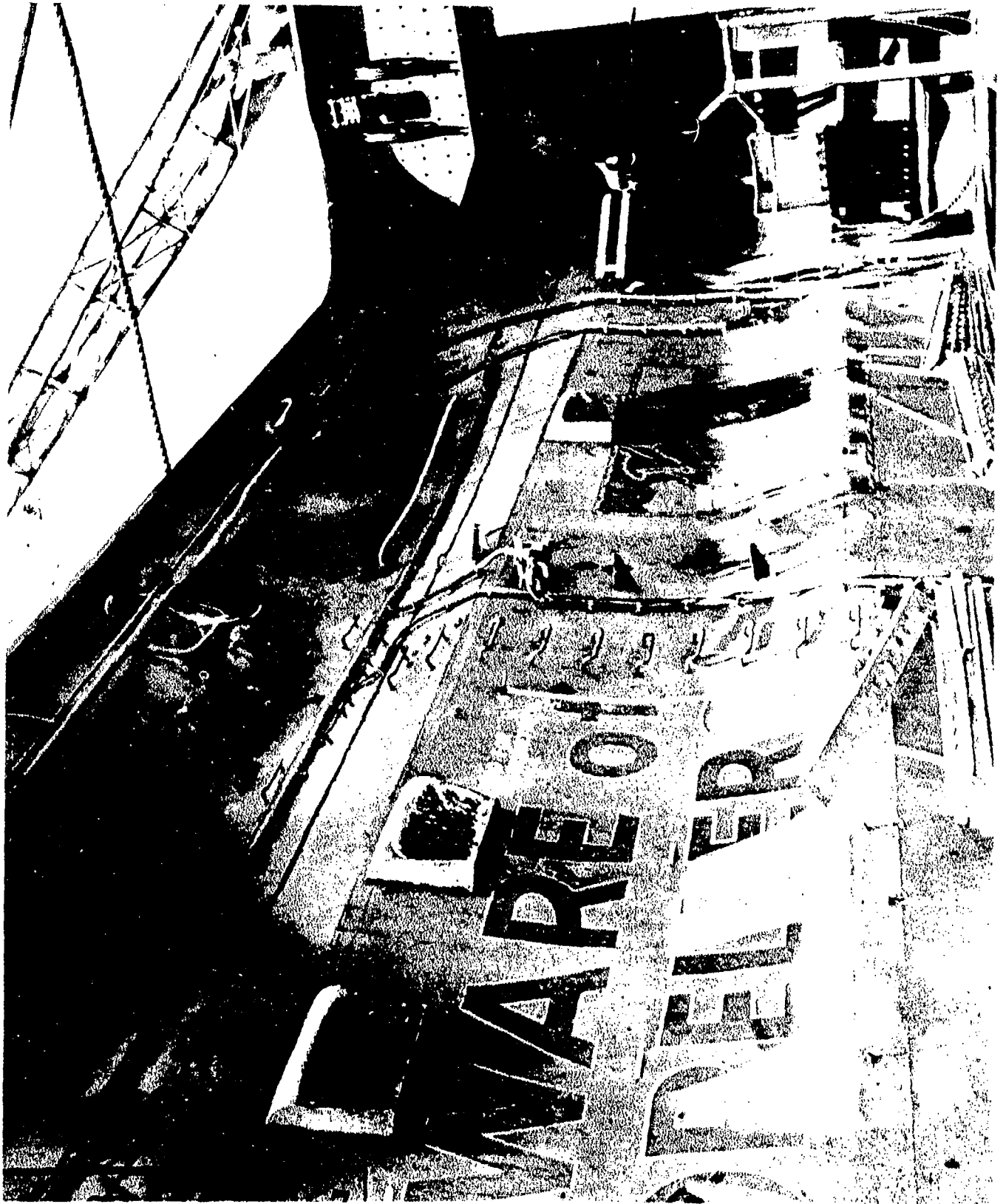
AA-CR-175-2038-3. Forward elevator pit from bridge. Note dish in bulkhead 45, top panel.

SECRET

Page 267 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-59-2167-6. Bulkhead 45. Looking forward and to starboard from hangar deck level. Note dishing.

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USS INDEPENDENCE (CVL22)

Page 268 of 766 Pages

9625



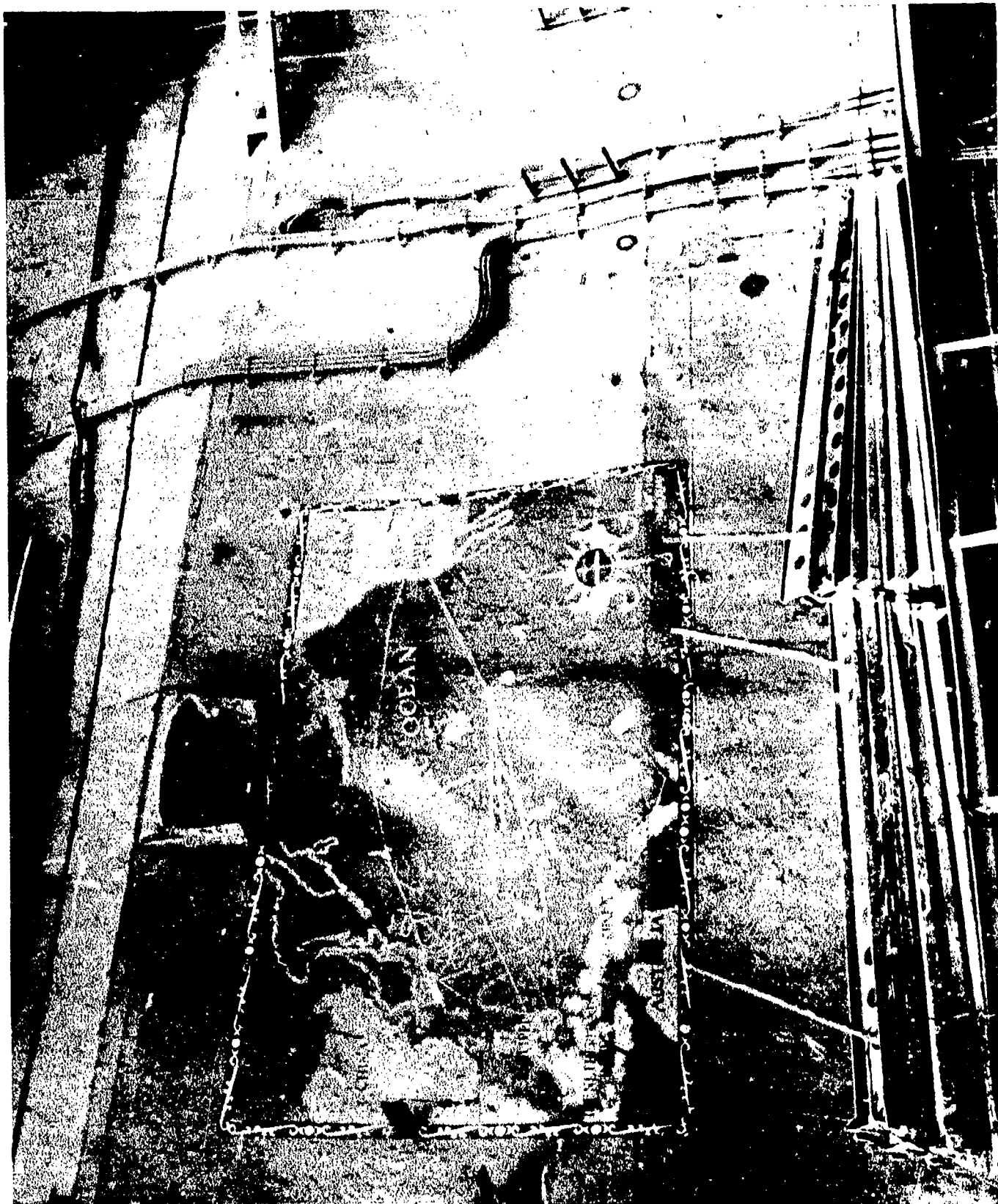
AA-CR-82-1921-1. Bulkhead 45. Starboard side above hangar deck level. Looking forward. Note dishing.

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USS INDEPENDENCE (CVL22)

Page 269 of 766 Pages

9625



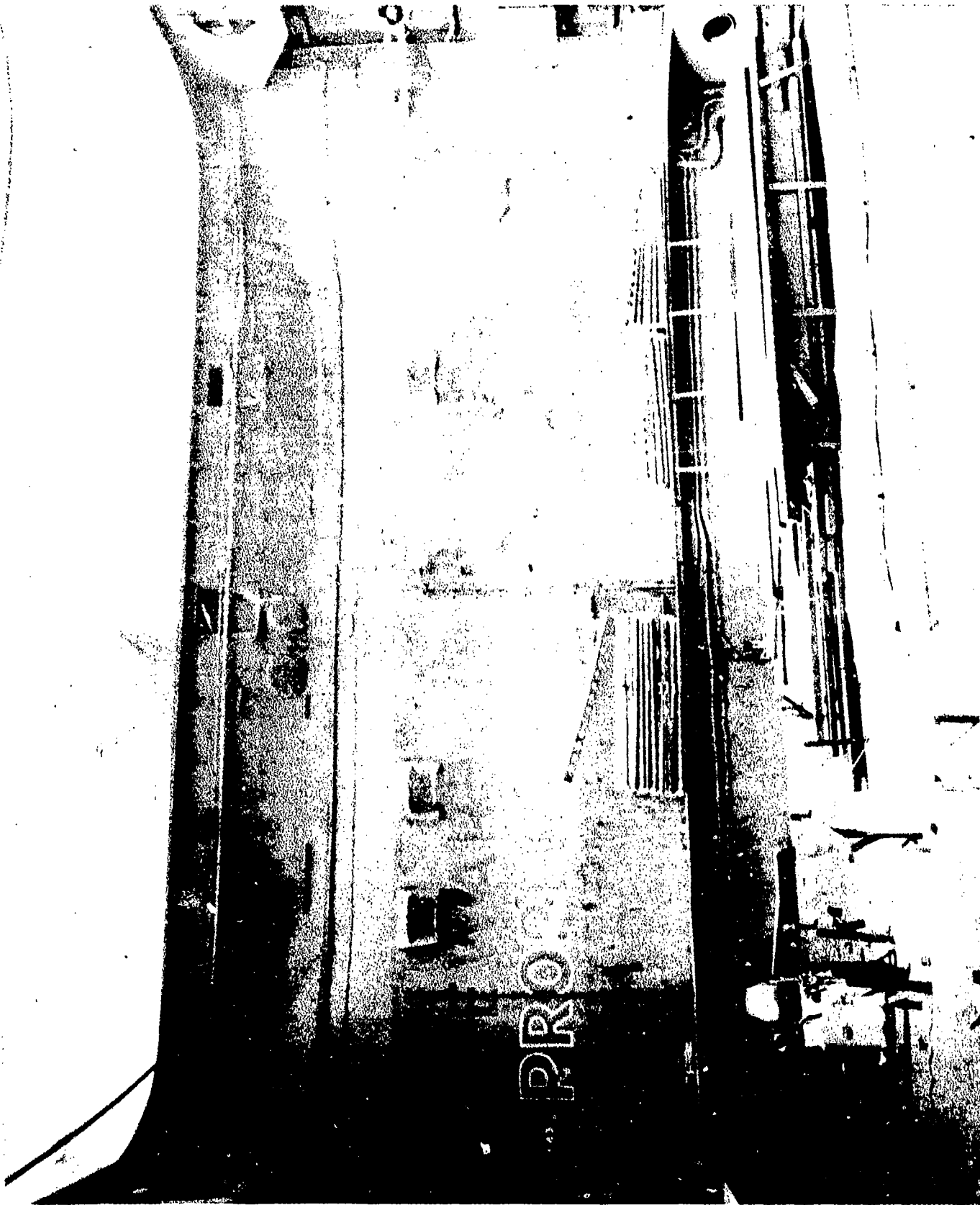
AA-CR-82-1921-2. Bulkhead 45. Starboard side above hangar deck level. Looking forward.

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USS INDEPENDENCE (CVL22)

Page 270 of 766 Pages

9625

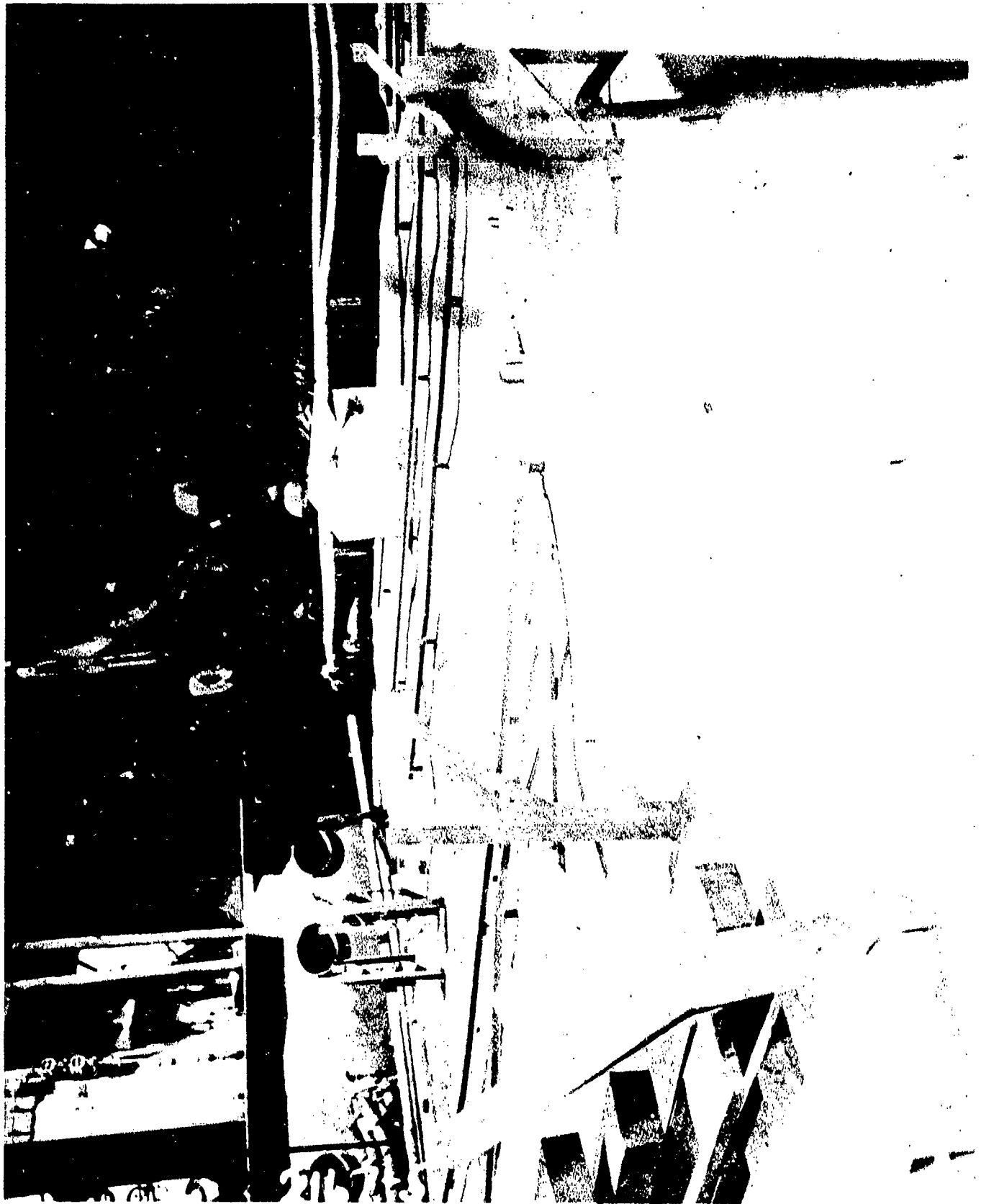


AA-CR-82-1921-3. Bulkhead 45. Looking forward from frame 56.

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USS INDEPENDENCE (CVL22)
Page 271 of 766 Pages

9625



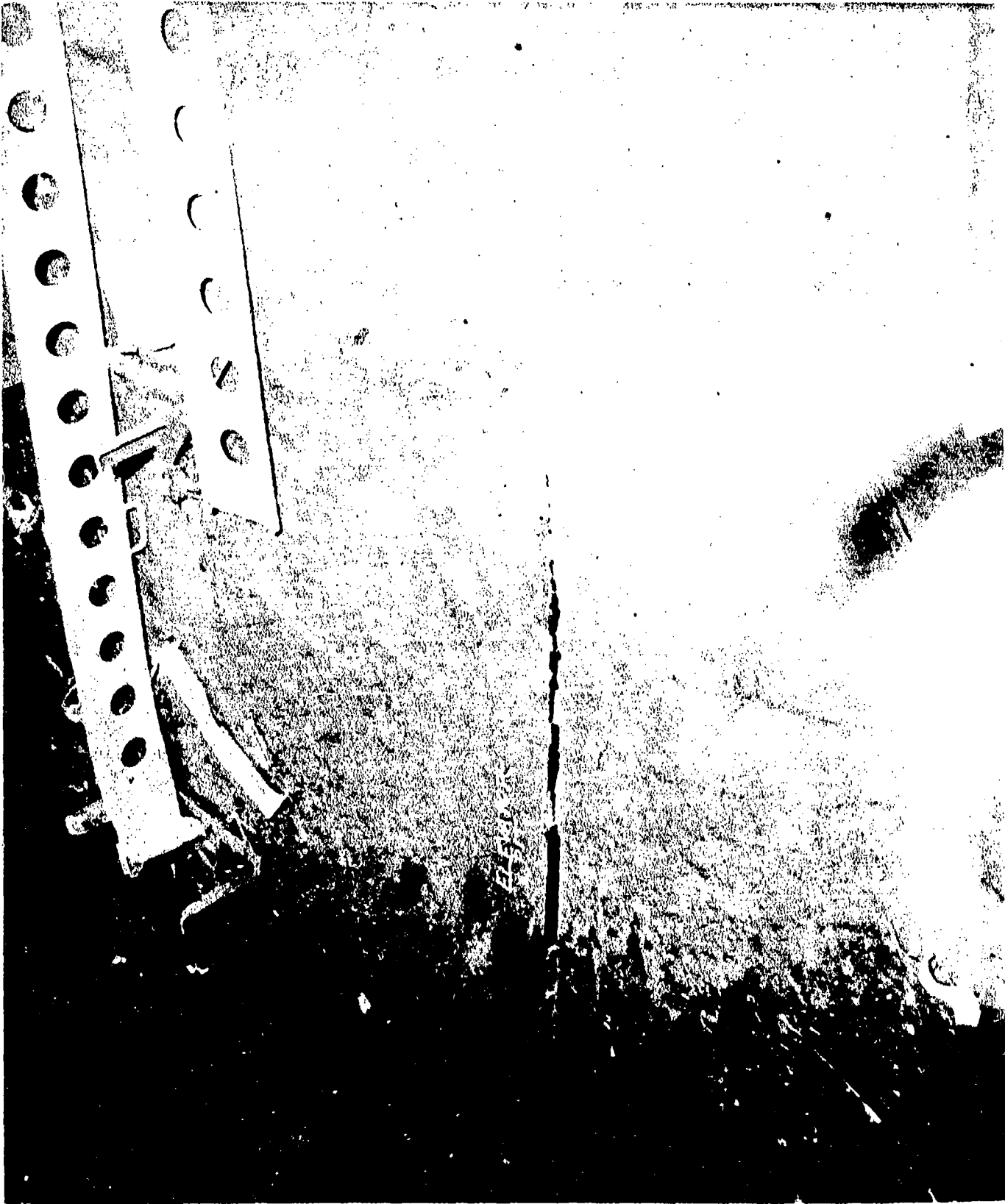
AA-CR-59-2167-5. Forward elevator pit looking starboard and aft.

SECRET

Page 272 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



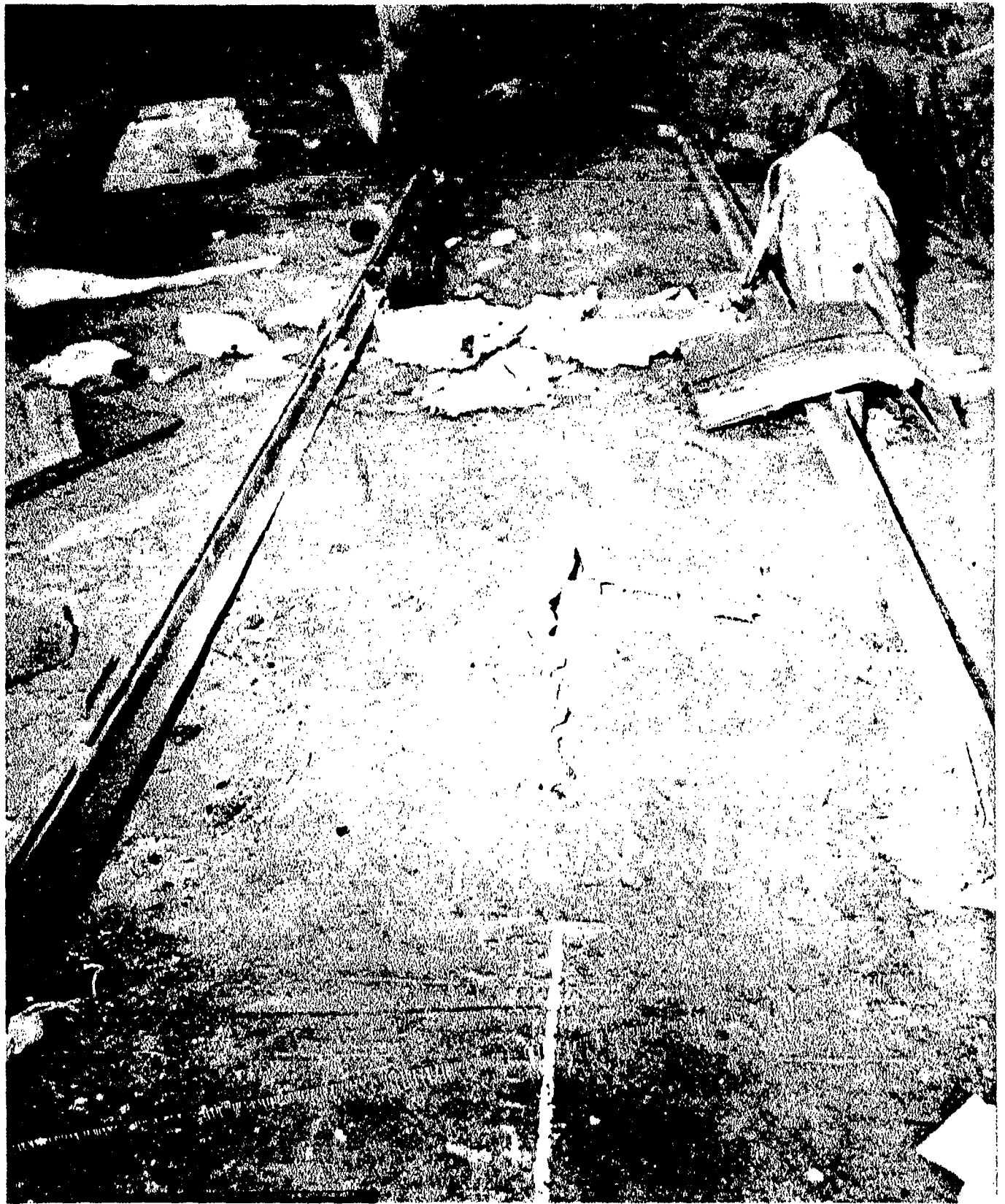
AA-CR-88-2100-4. Elevator pit well failure, looking forward and to port, frame 47.

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USS INDEPENDENCE (CVL22)

Page 273 of 766 Pages

9625

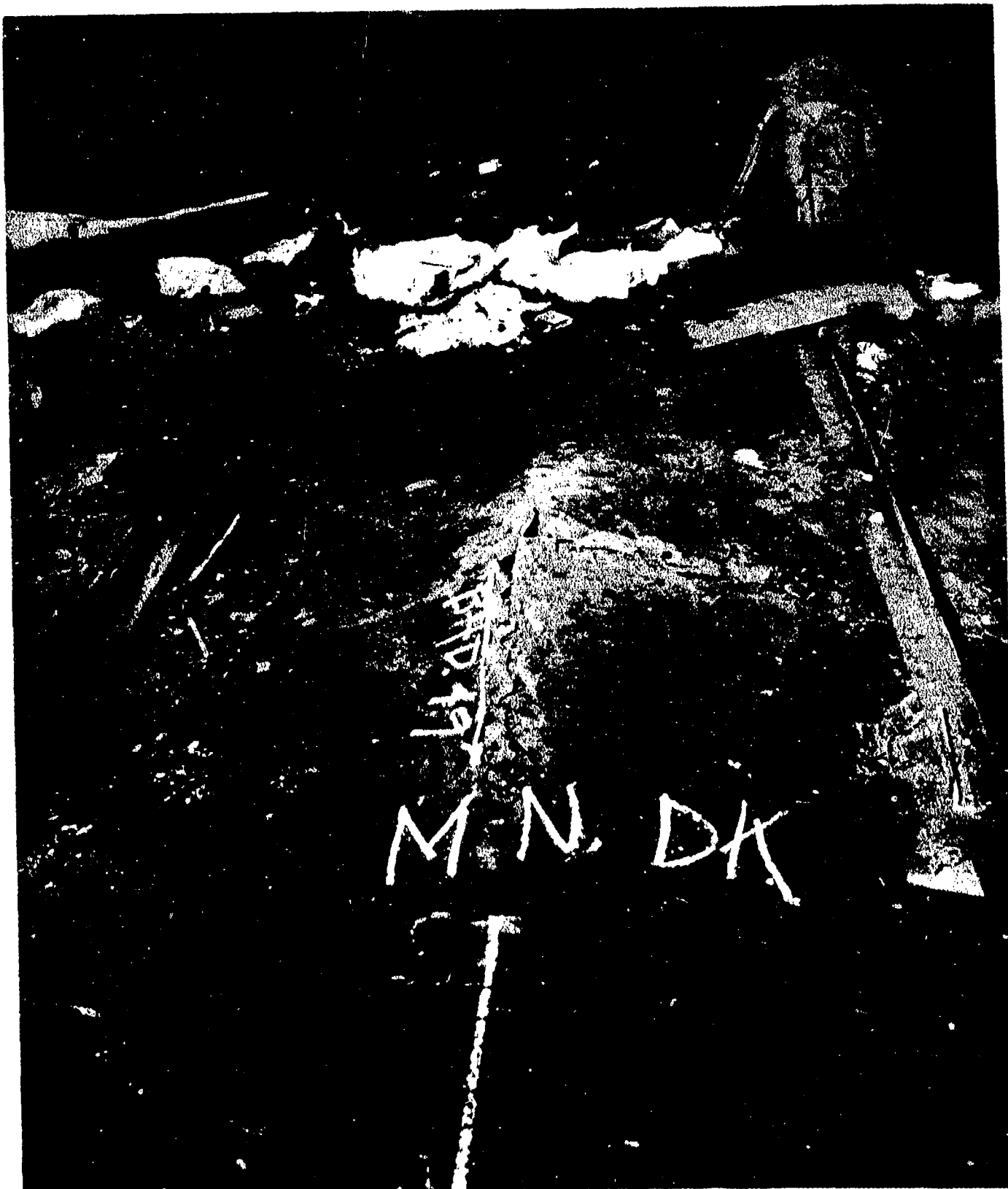


AA-CR-88-2100-5. Main deck tear through riveted joint to bulkhead
49. Looking to port.

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USS INDEPENDENCE (CVL22)
Page 274 of 766 Pages

9625

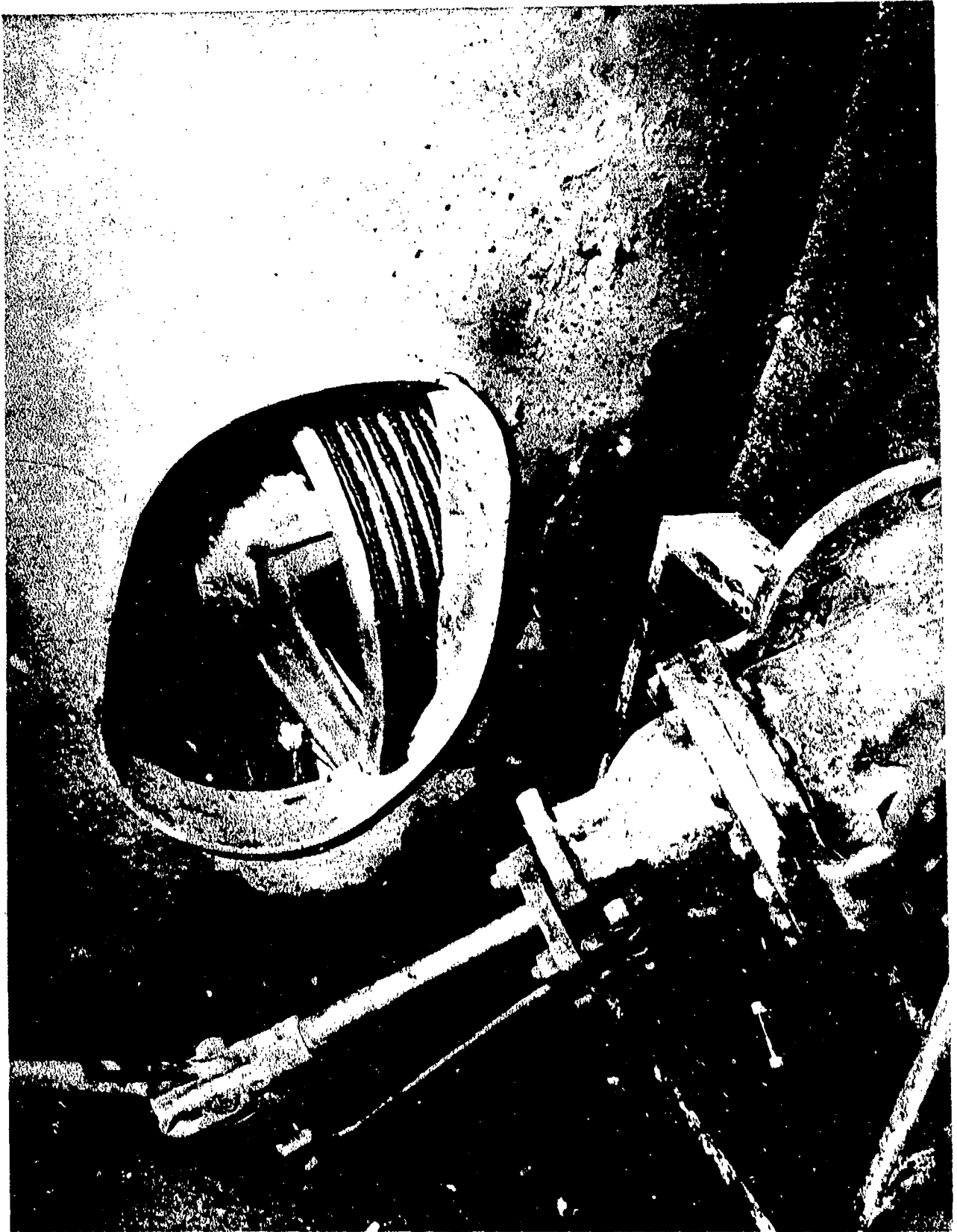


AA-CR-88-2100-3. Main deck tear through riveted joint to bulkhead 49. Looking to port.

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USS INDEPENDENCE (CVL22)
Page 275 of 766 Pages

9625



AA-CR-82-1921-4. Floor at frame 56, starboard aft corner of forward elevator pit, under hangar deck, looking aft showing damage to face plate by sheave.

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USS INDEPENDENCE (CVL22)
Page 276 of 766 Pages

9625



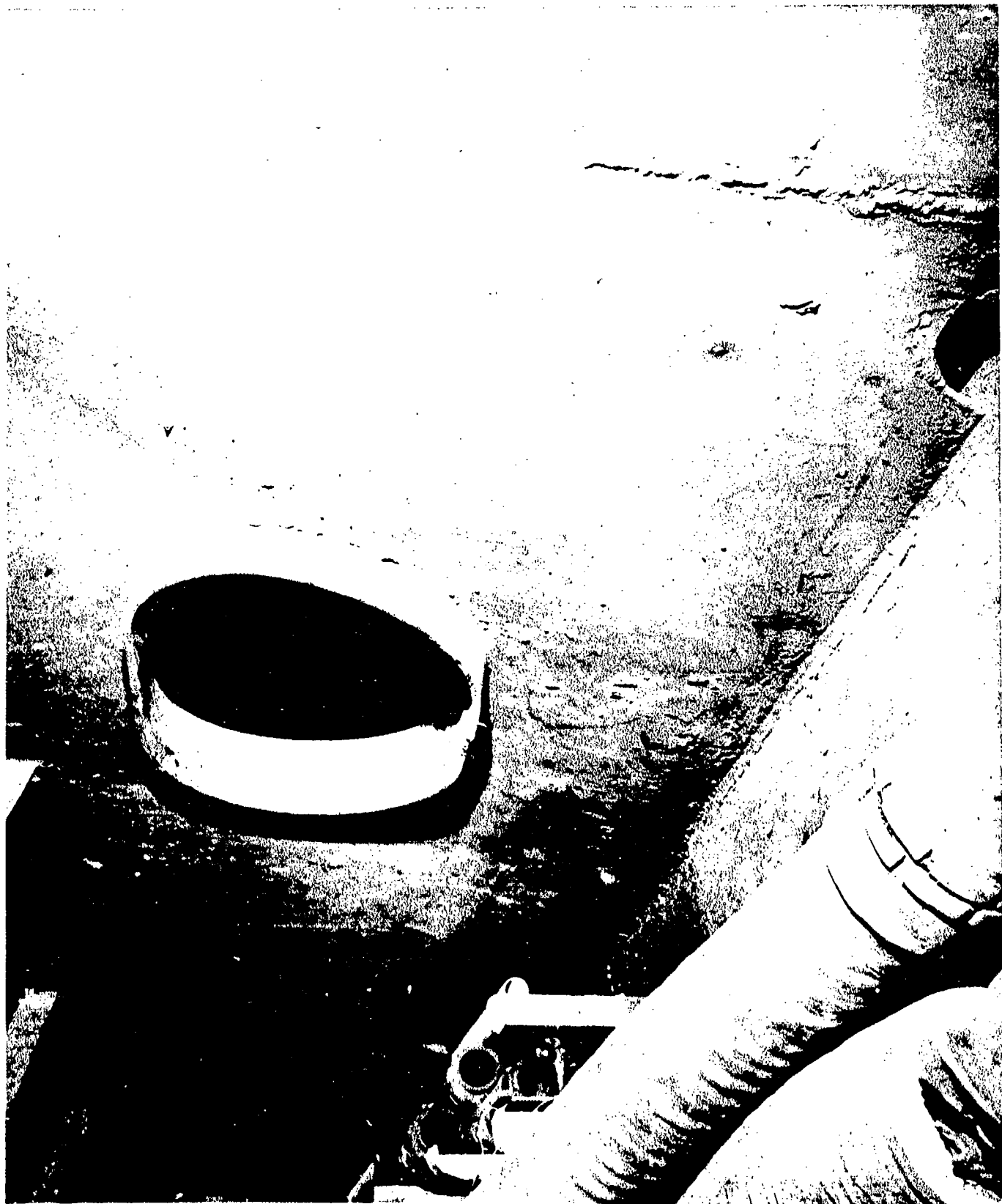
AA-CR-82-1921-8. Hangar deck and floor at frame 56 showing ripples at centerline.

SECRET

USS INDEPENDENCE (CVL22)

Page 277 of 766 Pages

9625



AA-CR-82-1921-6. Lightening hole 25 feet off centerline to port, frame 56, under hangar deck looking aft.

SECRET

Page 278 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



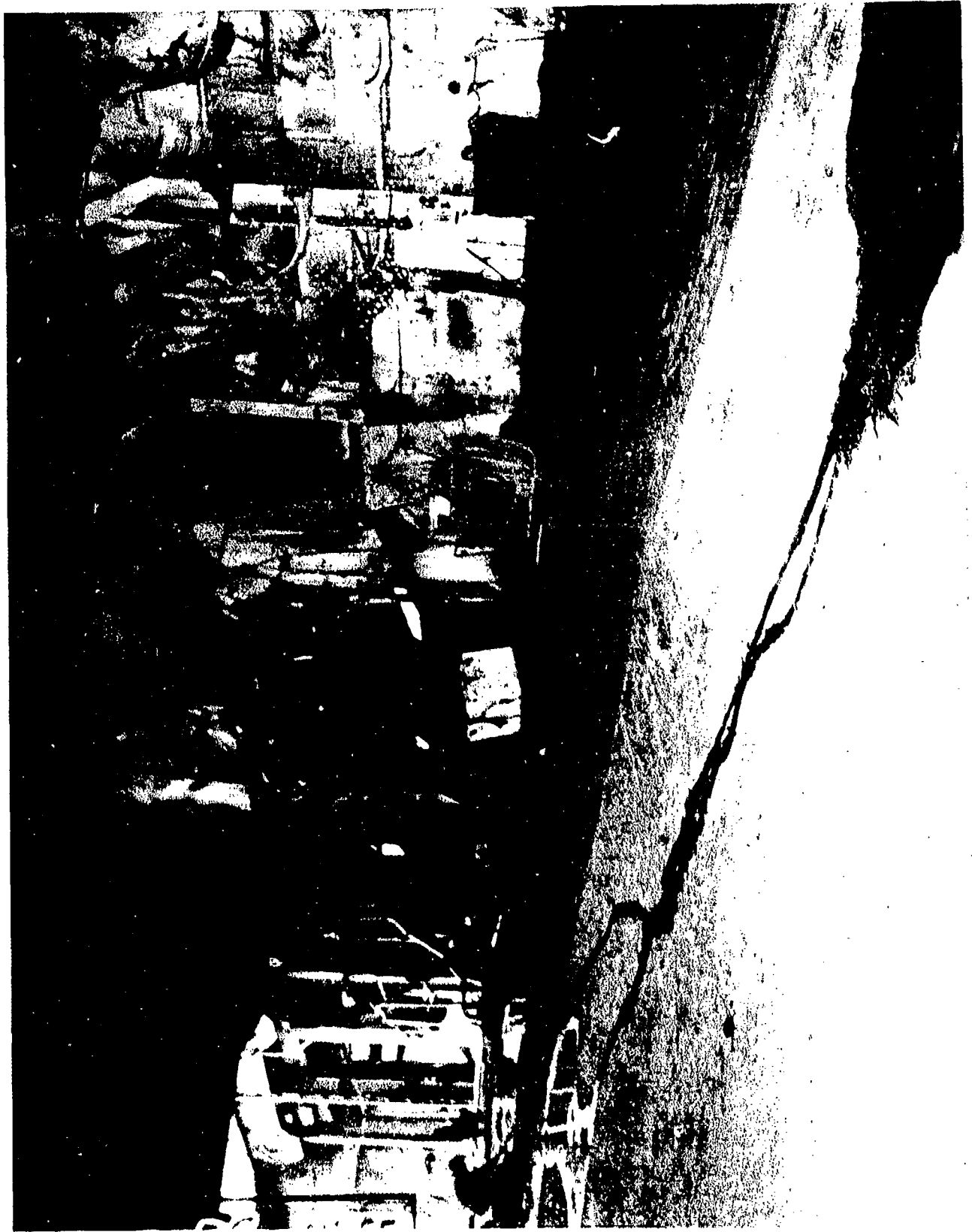
AA-CR-59-2167-4. Hangar deck depressions, looking forward from approximately frame 80. Note temporary uptake between Bents 65 and 68.

SECRET

Page 279 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



AA-CR-59-2167-3. Hangar. Looking to starboard and forward of frame 80, showing dishing of deck.

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USS INDEPENDENCE (CVL22)

Page 280 of 766 Pages

9625



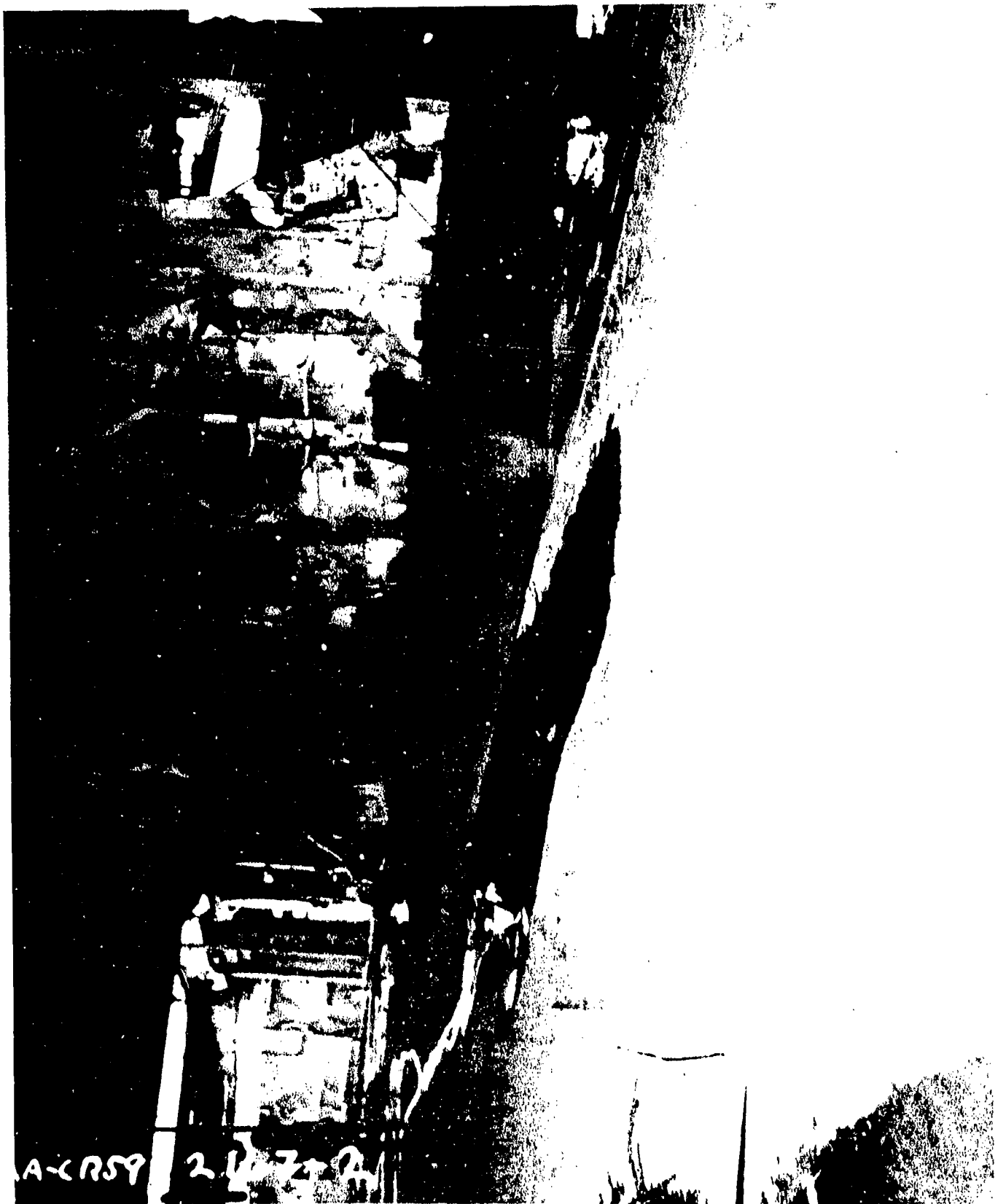
AA-CR-100-165-4. Underside of Hanger deck. Frame 83, port side, showing crumpling of transverse and longitudinal floors. Looking inboard and forward.

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USS INDEPENDENCE (CVL22)

Page 281 of 766 Pages

9625

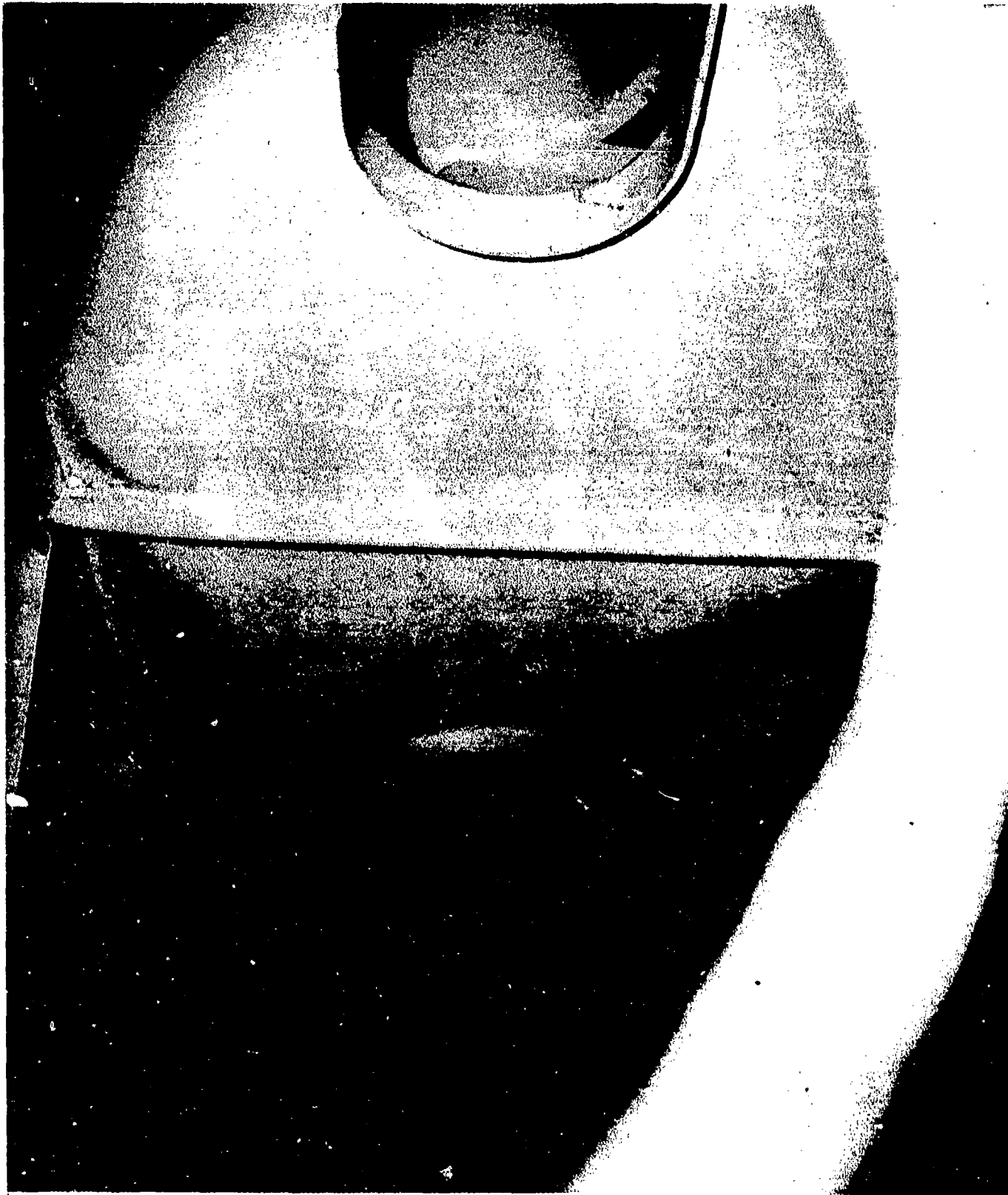


AA-CR-59-2167-2. Hangar. Looking forward and starboard from Bent 96. Note dishing of deck.

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USS INDEPENDENCE (CVL22)
Page 282 of 766 Pages

9625



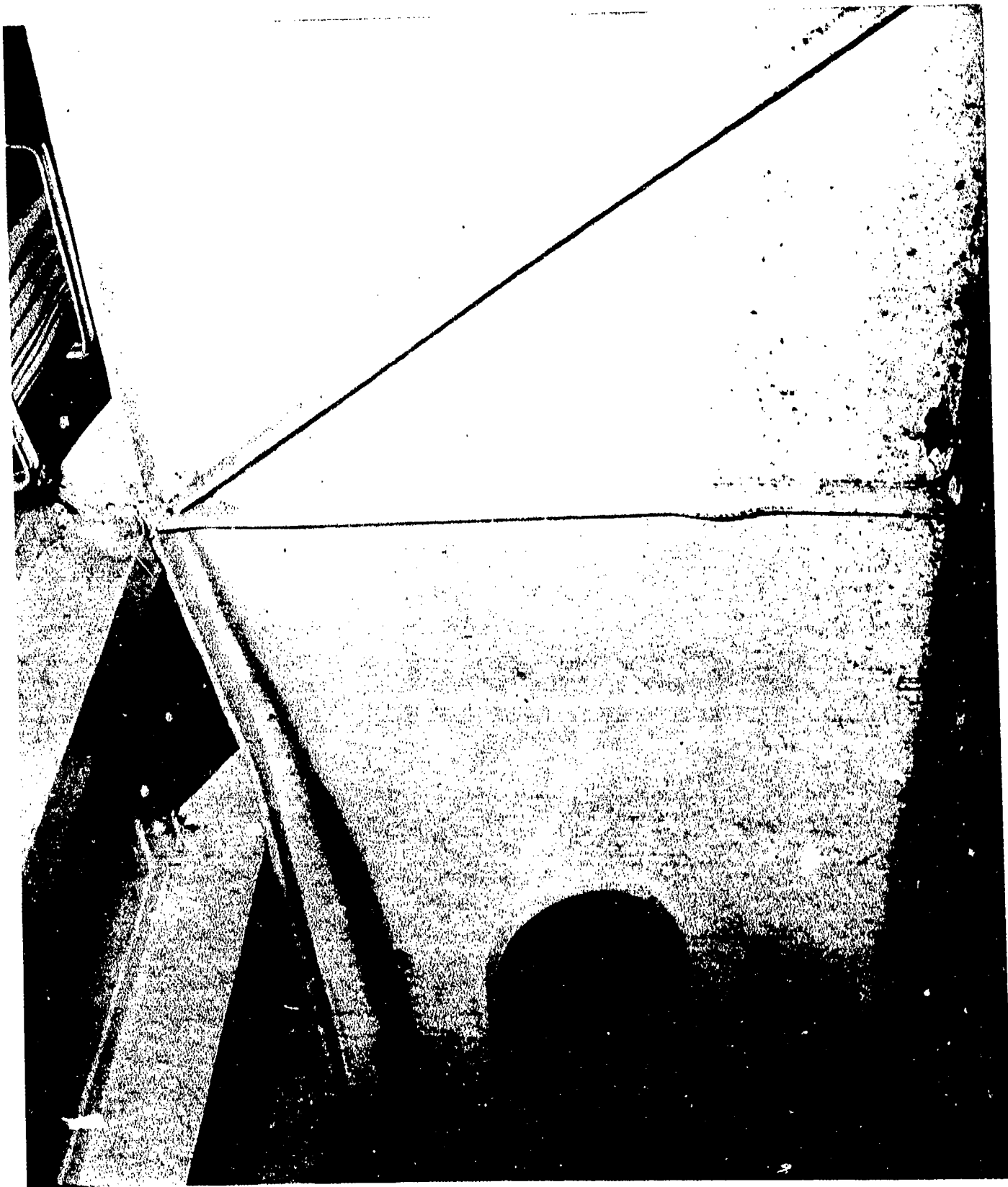
AA-CR-65-959-5. Underside of hangar deck, frame 89, port side. Looking inboard between 1st. and 2nd. longitudinals inboard of shell. Bright streak is face plate of lightening hole, Longitudinal No. 1.

SECRET

USS INDEPENDENCE (CVL22)

Page 283 of 766 Pages

9625



AA-CR-65-959-3. Underside of hangar deck, frame 89, port side, looking aft and starboard. Showing buckles under 3rd. and 4th. longitudinals in-board of shell.

SECRET

USS INDEPENDENCE (CVL22)

Page 284 of 766 Pages

9625



AA-CR-59-2166-12. General view of hangar, looking forward from about frame 113. After cleanup.

SECRET

USS INDEPENDENCE (CVL22)
Page 285 of 766 Pages

9625



AA-CR-59-2167-1. Hangar. Looking to starboard and forward of frame 98, showing dished deck.

SECRET

USS INDEPENDENCE (CVL22)
Page 286 of 766 Pages

9625

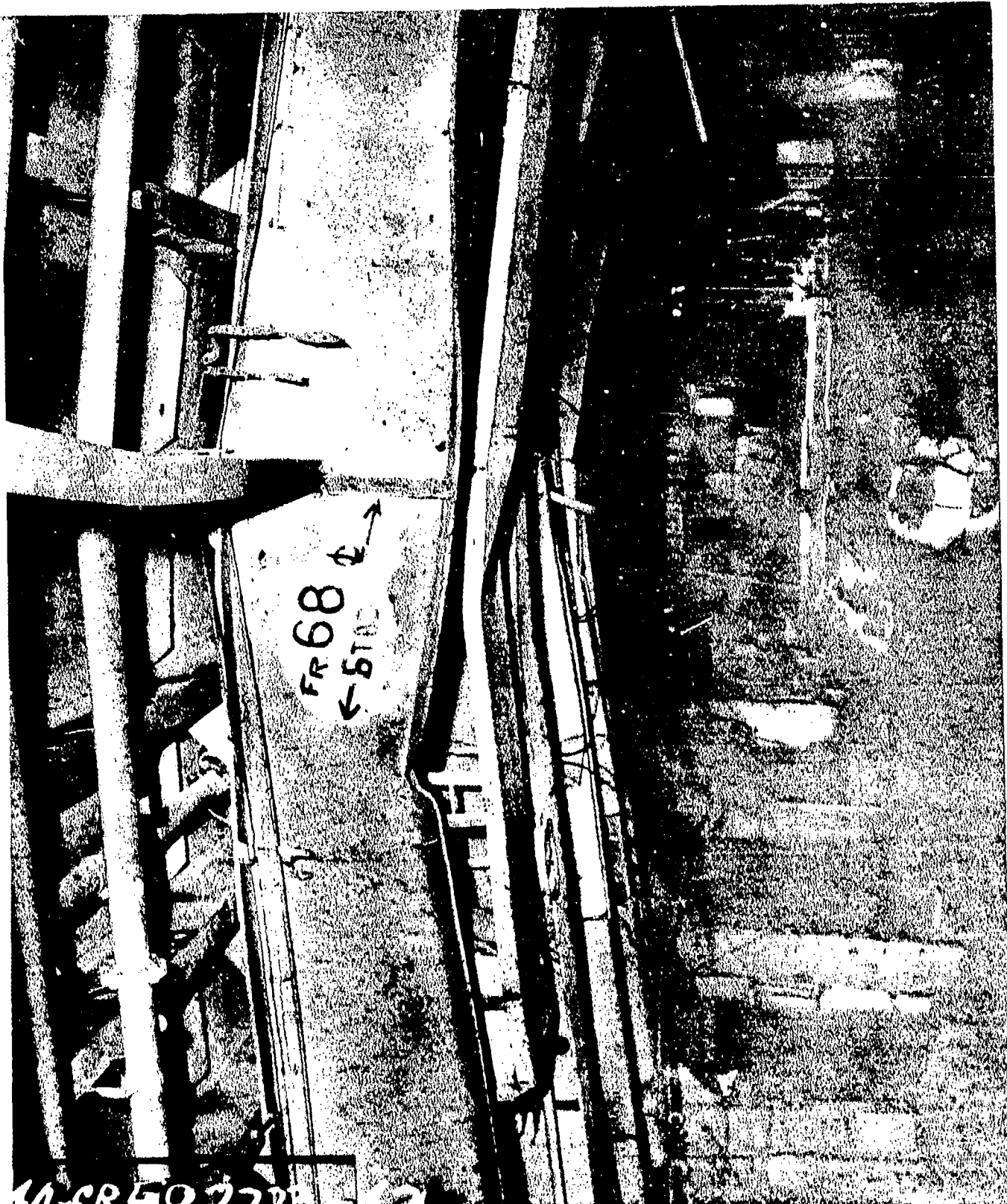


AA-CR-59-2227-5. Hangar-General view looking aft from Bent 68.

SECRET

USS INDEPENDENCE (CVL22)
Page 287 of 766 Pages

9625



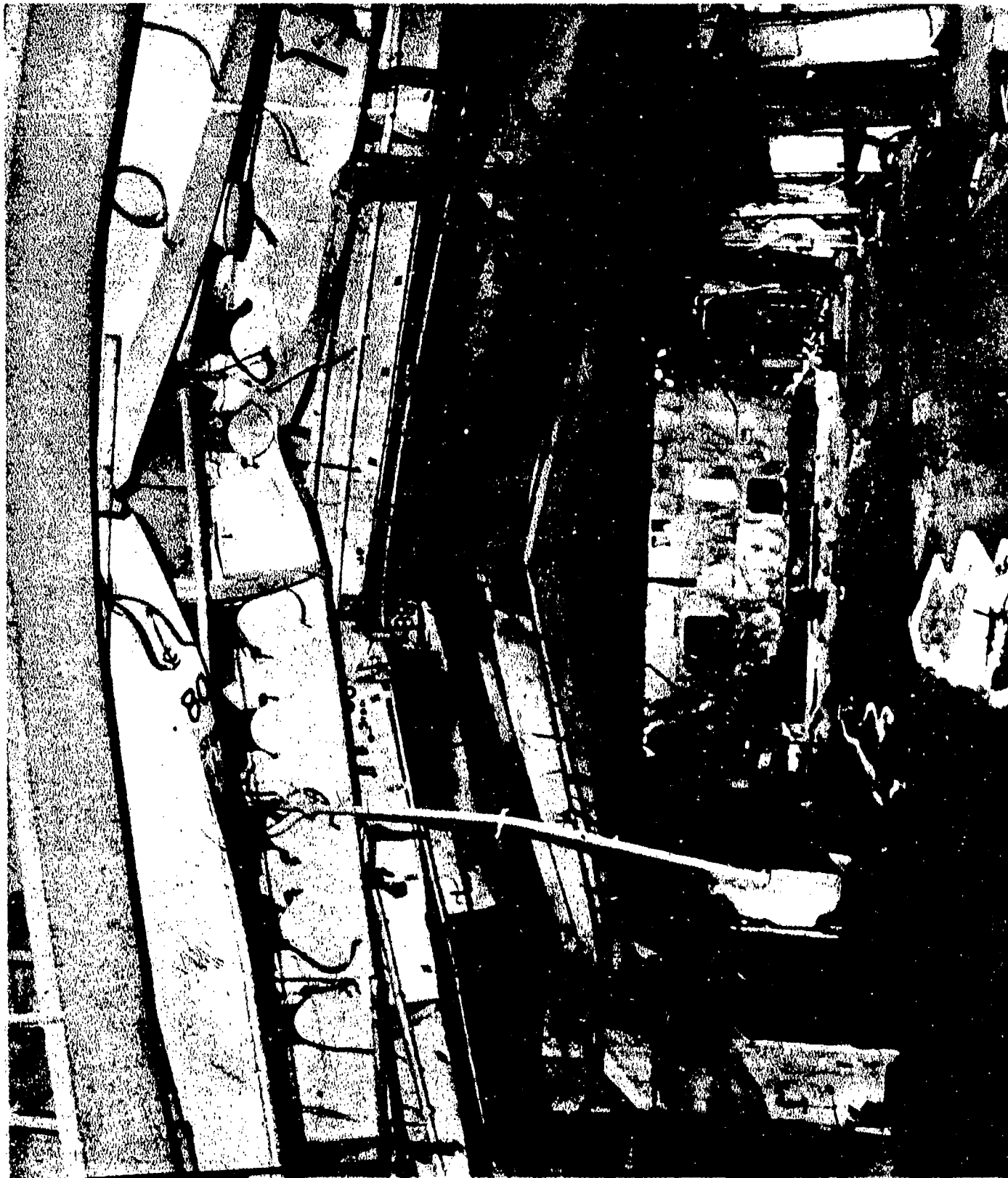
AA-CR-59-2223-12. Flight deck Bent 68, centerline. Buckled transverse girder and fractured weld joining web stiffener to deck longitudinal. Looking aft.

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USS INDEPENDENCE (CVL22)

Page 288 of 766 Pages

9625



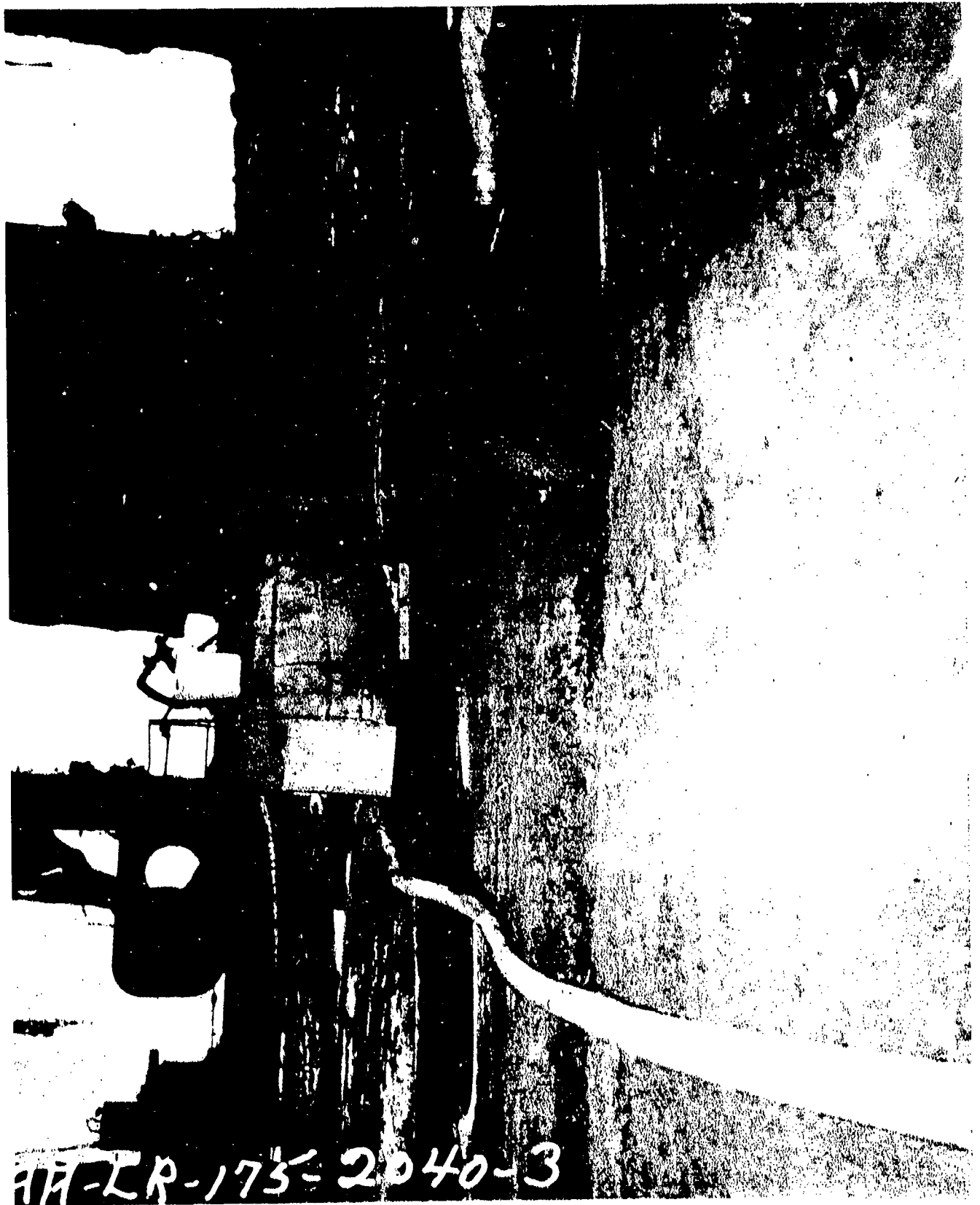
AA-CR-59-2226-12. Hanger-General view looking aft.

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USS INDEPENDENCE (CVL22)

Page 289 of 766 Pages

9625



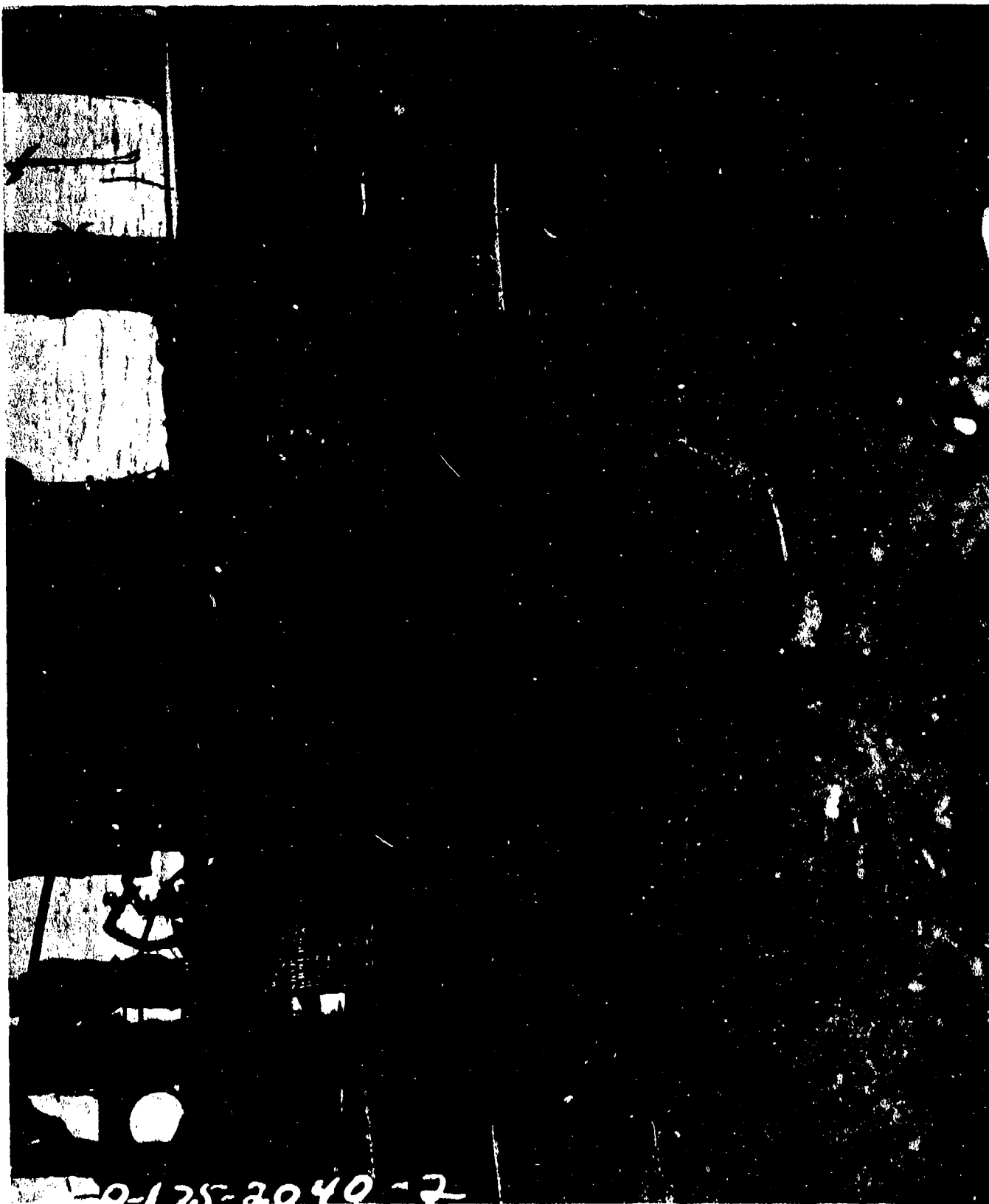
AA-CR-175-2040-3. Dishing of hangar deck, Bent 107 to column 118, looking to starboard from port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 290 of 766 Pages

9625



AA-CR-62-2040-2. General view of hangar looking to starboard and aft from about frame 101. Note local dishing of deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 291 of 766 Pages

9625



AB-CR-80-2061-12. After Baker. After elevator pit and hangar deck. Looking forward and to starboard from port side about frame 118.

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USS INDEPENDENCE (CVL22)
Page 292 of 766 Pages

9625



AA-CR-59-2167-8. After elevator pit, dishing and wrinkles in main deck. Looking to starboard and forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 293 of 766 Pages

9625



AA-CR-59-2166-11. Hangar deck at after elevator well. Note crumpled plating in way of lightening holes.

SECRET

USS INDEPENDENCE (CVL22)

Page 294 of 766 Pages

9625



AA-CR-175-2038-8. General view looking down and forward into after elevator well. Note charred tires on water filled trailer which fell from deck above. Also afterbody of torpedo at end of trailer.

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USS INDEPENDENCE (CVL22)

Page 295 of 766 Pages

9625

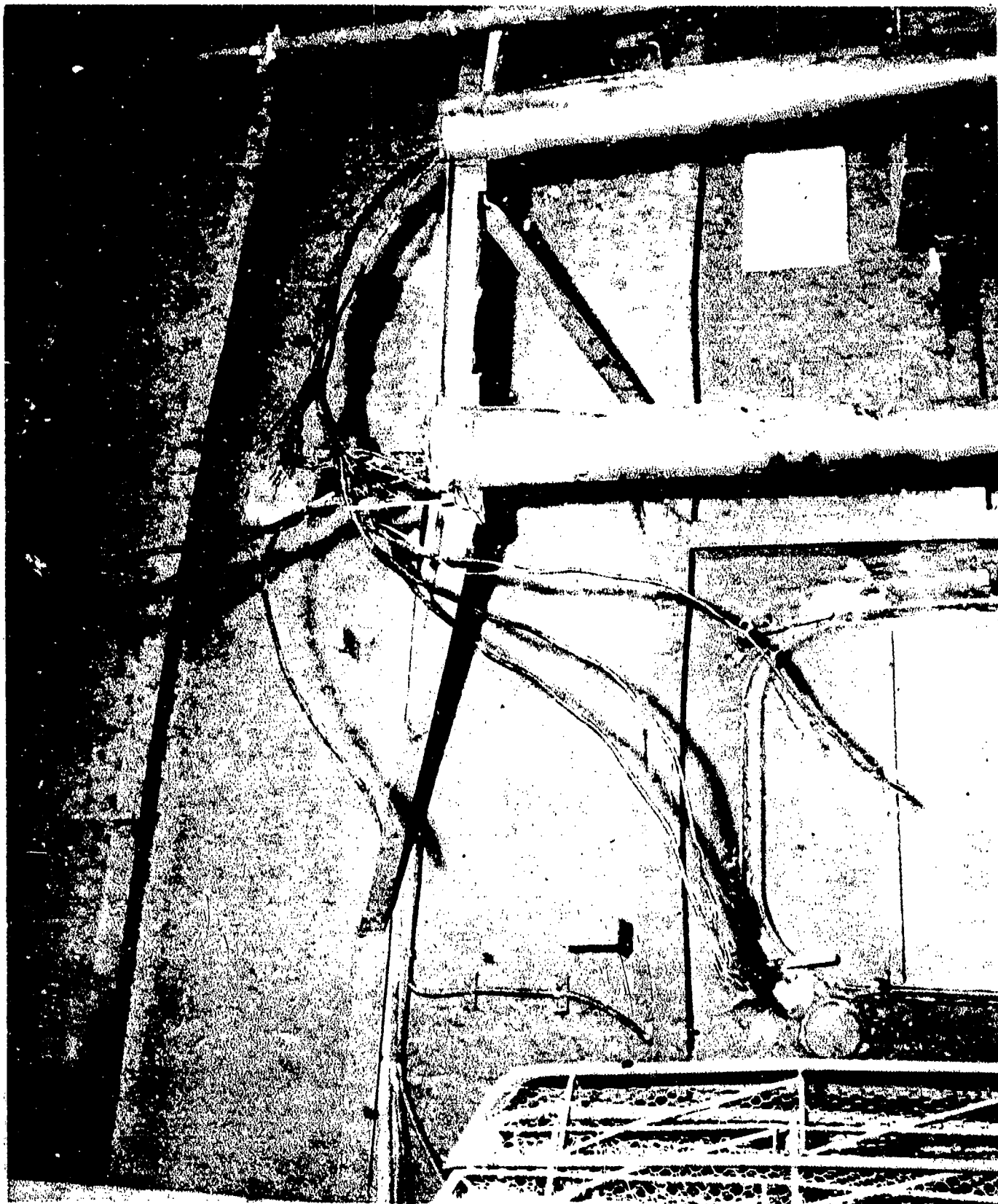


AA-CR-59-4148-5. After elevator pit looking aft and starboard from forward port corner of opening in flight deck.

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USS INDEPENDENCE (CVL22)
Page 296 of 766 Pages

9625



AA-CR-82-1921-9. Hangar deck, port side, frames 53-56. Looking outboard at frayed elevator cables.

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Page 297 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



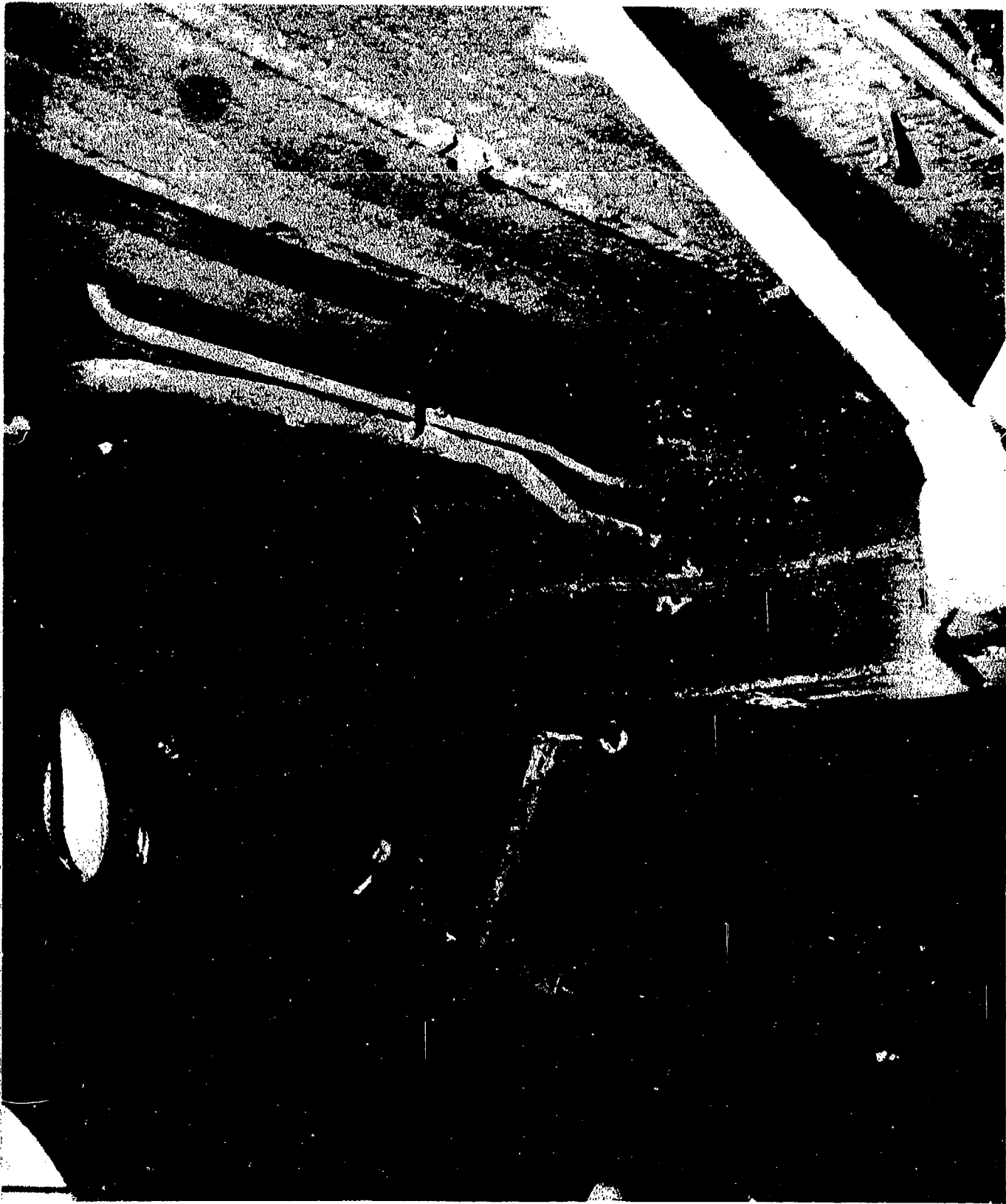
AA-CR-100-2199-10. Tear in hangar deck and side plating, port side just aft of bent 56, looking down. View shows repairs made prior to Test B.

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Page 298 of 766 Pages

USS INDEPENDENCE (CVL22)

9625

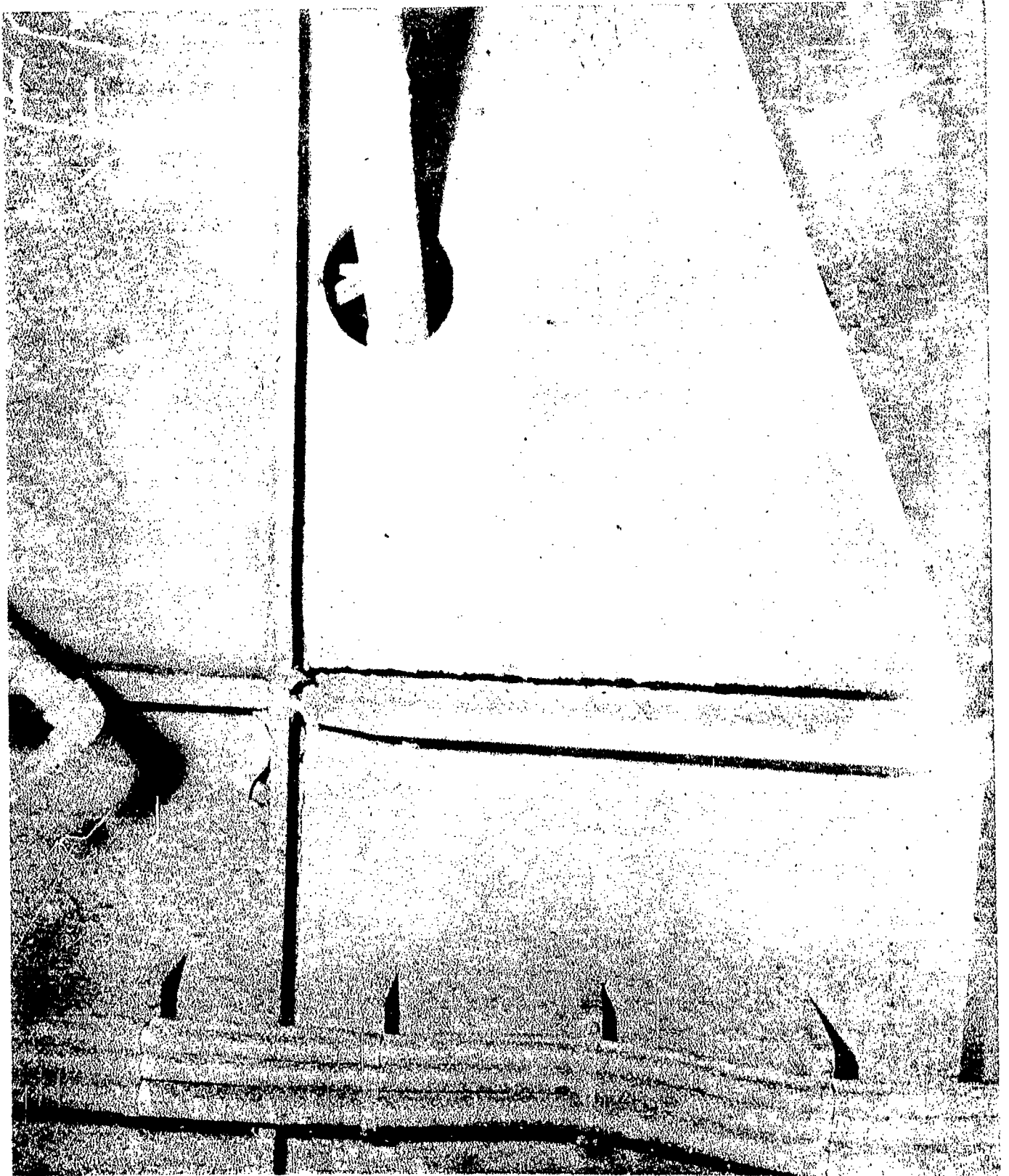


AA-CR-175-2119-6. Flight deck Bent 56, port side. Failure of weld at overhead connection. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)
Page 299 of 766 Pages

9625

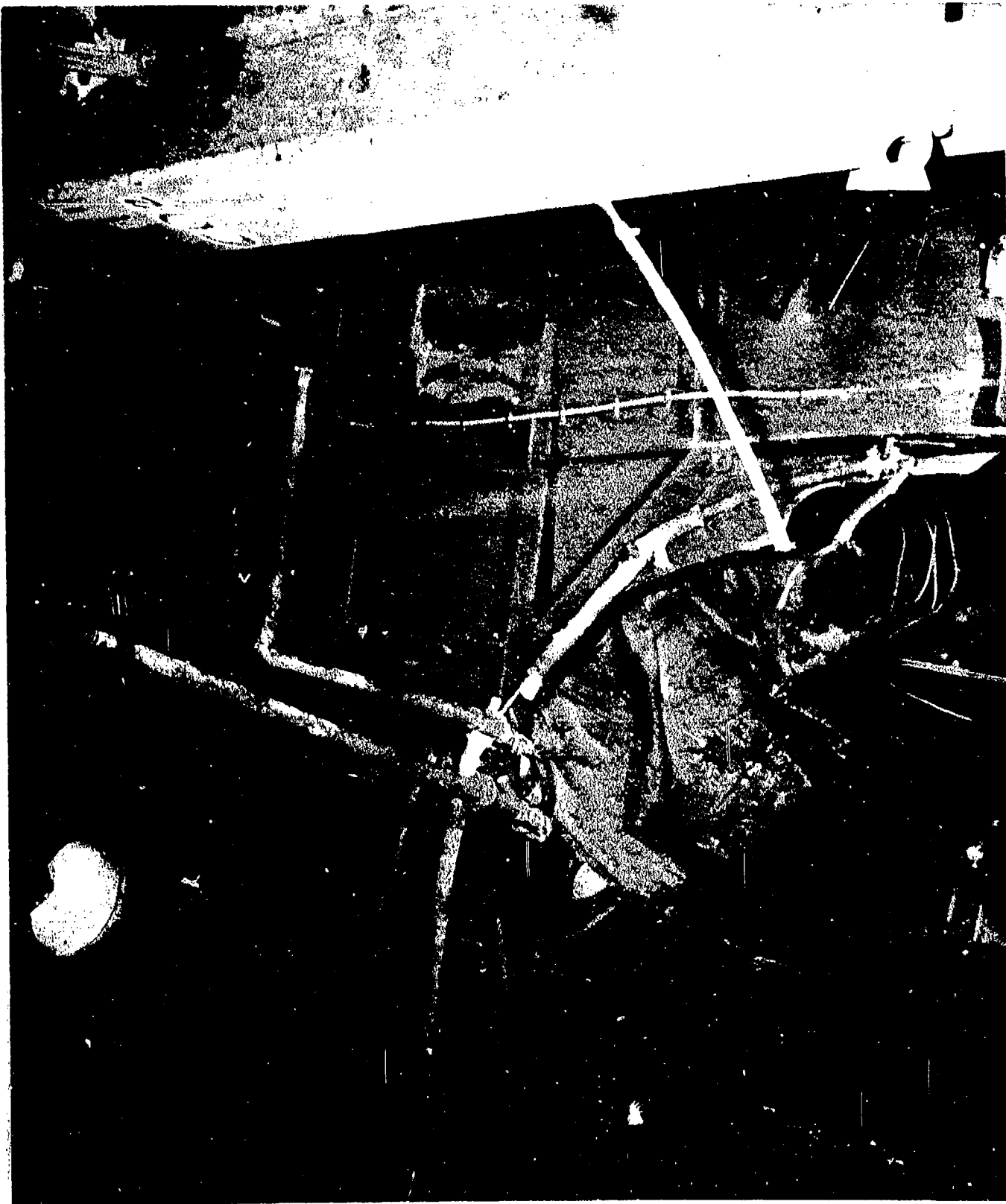


AA-CR-59-2217-7. Flight deck Bent 56, port side. Weld fracture at overhead connection. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 300 of 766 Pages

9625



AA-CR-175-2119-7. Flight deck Bent 59, port side. Failure of overhead connection in weld. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 301 of 766 Pages

9625



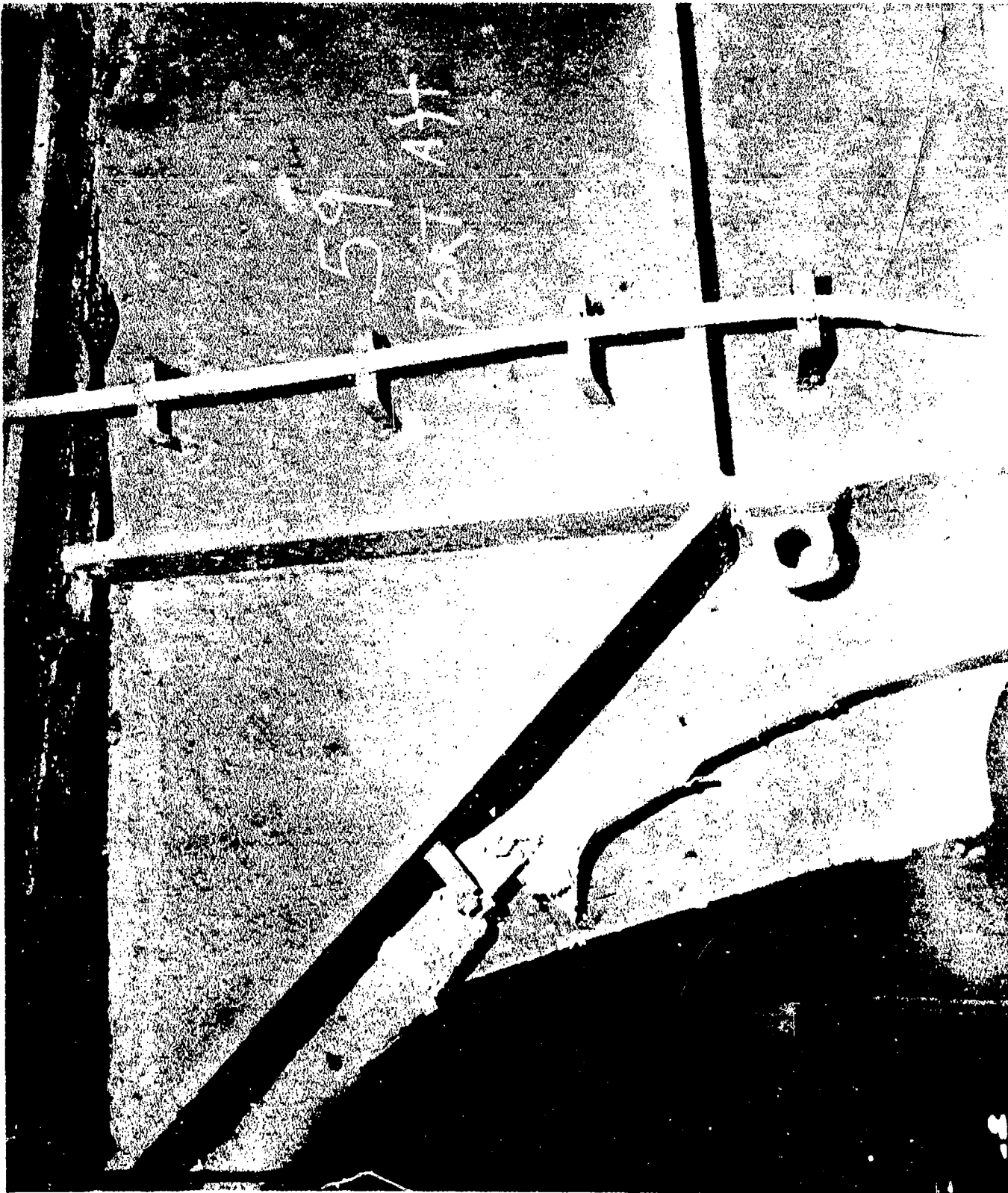
AA-CR-59-2113-9. Flight deck Bents 56 and 59, port side. Failure of overhead connections in welds. Looking aft.

SECRET*

USS INDEPENDENCE (CVL22)

Page 302 of 766 Pages

9625

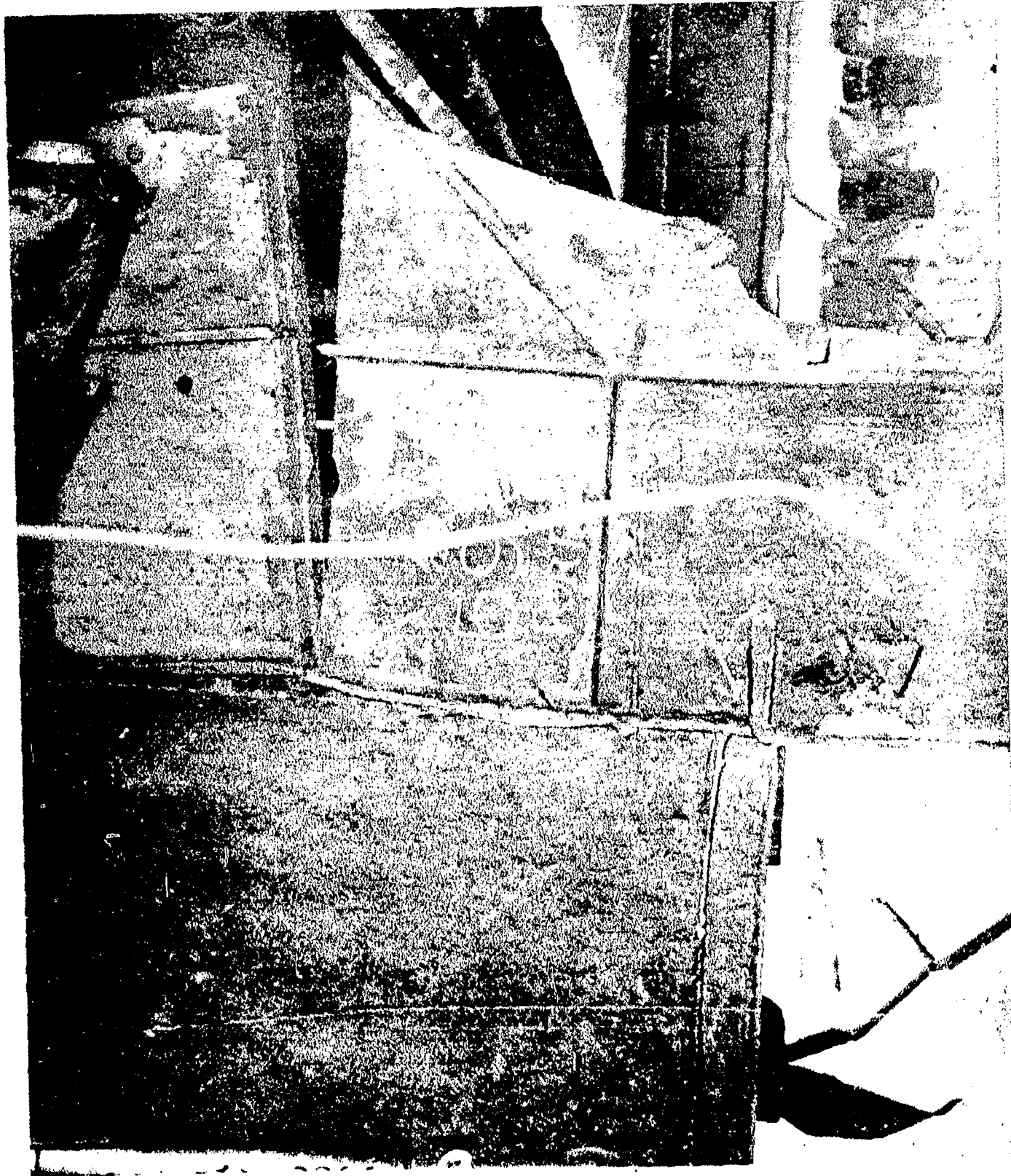


AA-CR-59-2217-8. Flight deck Bent 59, port side. Weld fracture at overhead connection. Looking aft.

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USS INDEPENDENCE (CVL22)
Page 303 of 766 Pages

9625

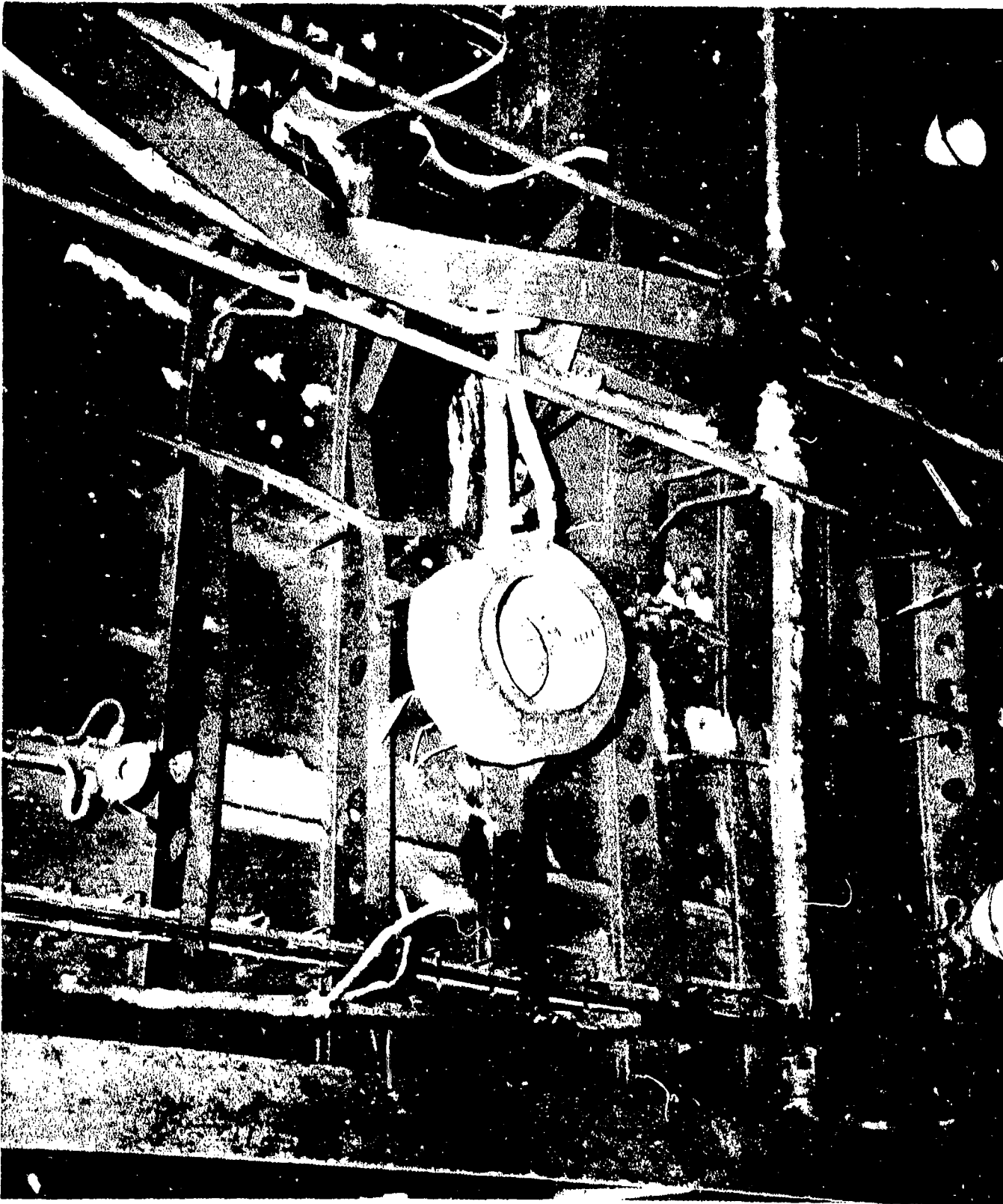


AA-CR-59-2222-8. Flight deck Bent 59, port side. Failure of overhead connection in weld. Looking forward.

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USS INDEPENDENCE (CVL22)
Page 304 of 766 Pages

9625



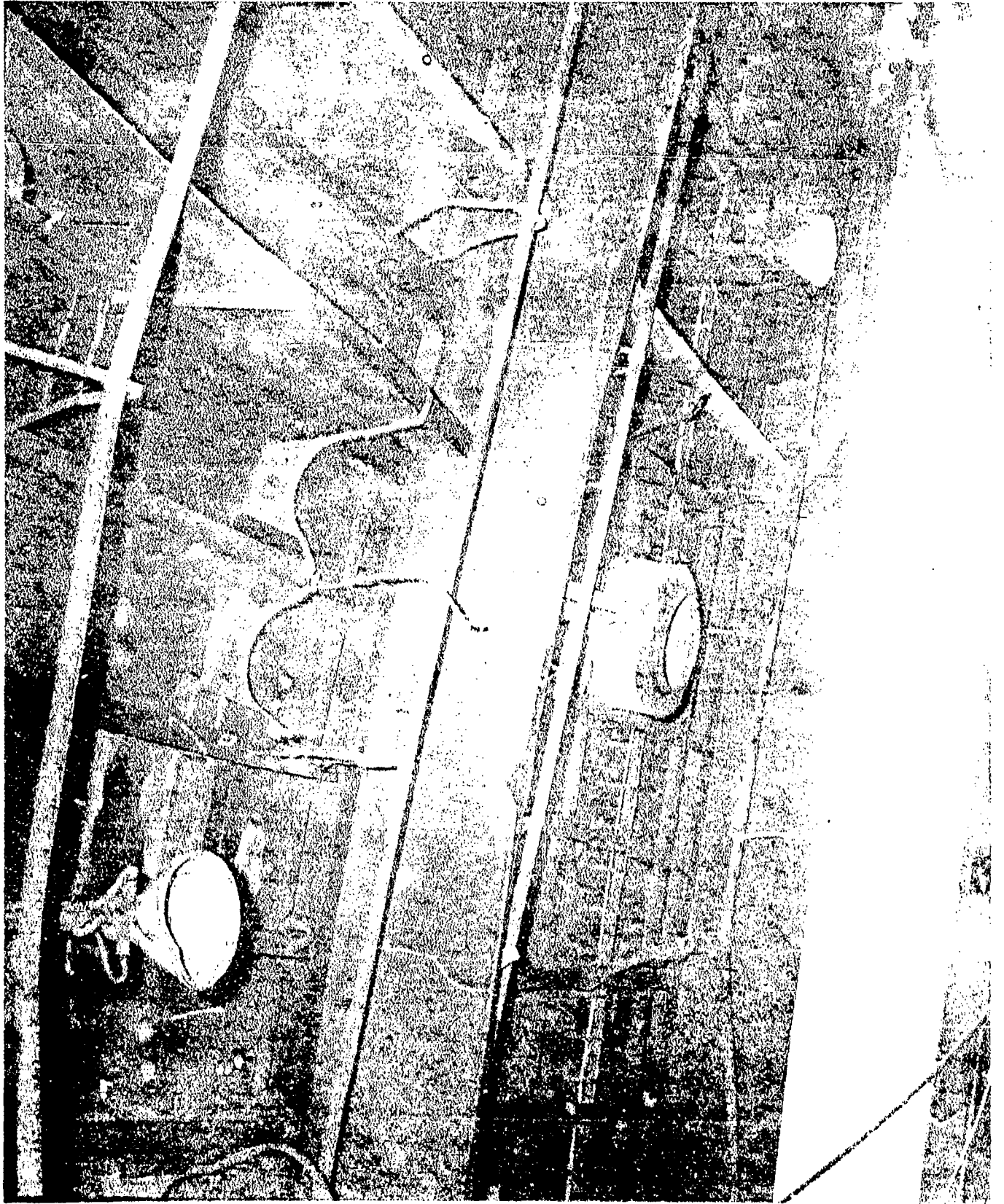
AA-CR-82-2119-5. Centerline joint, flight deck bent 59, looking aft and to starboard from bent 56.

SECRET

Page 305 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



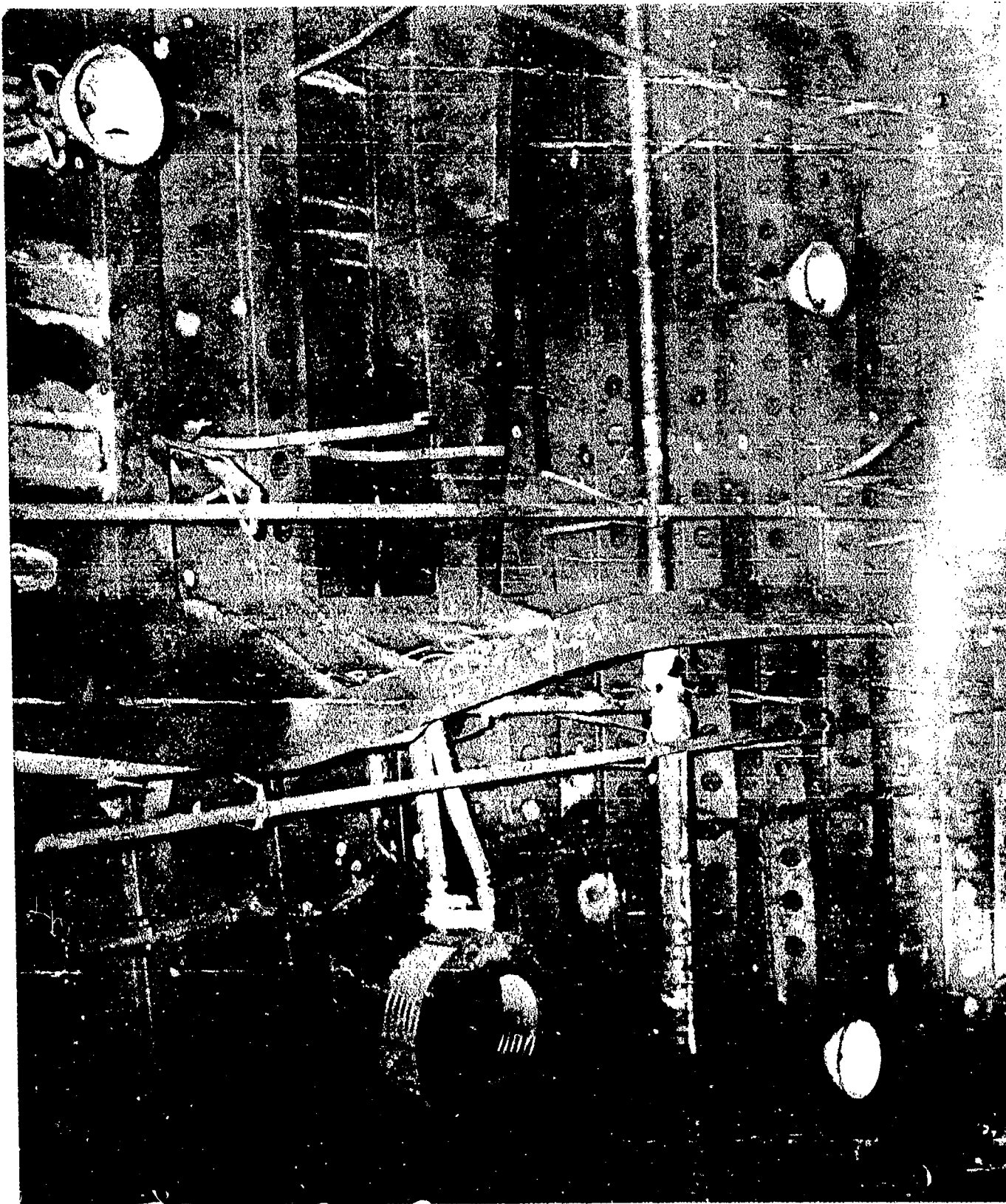
AA-CR-59-2217-10. Flight deck bent 59 looking forward, showing buckle in girder near centerline.

SECRET

Page 306 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



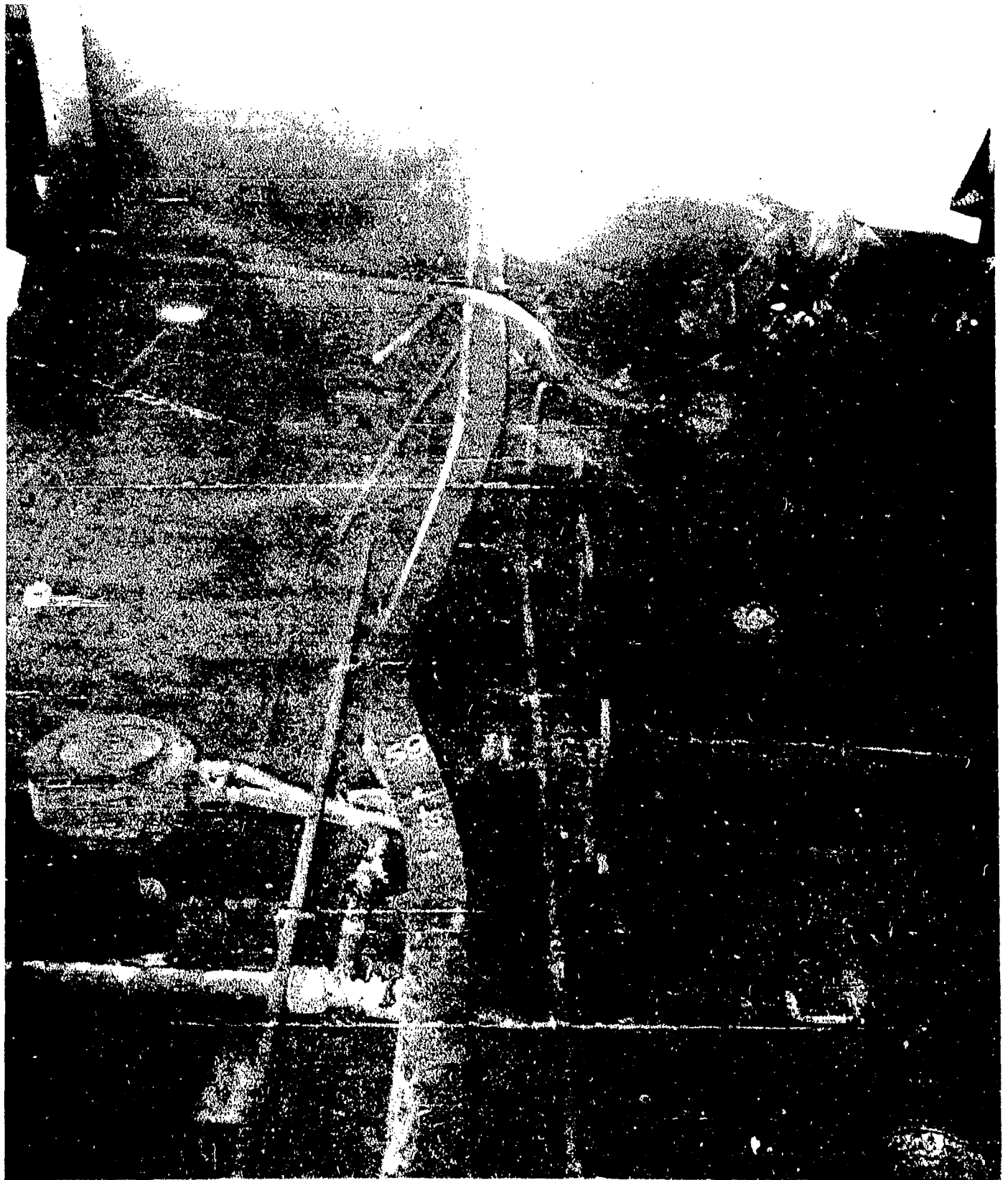
AA-CR-59-2217-9. Flight deck Bent 59. Looking up and to starboard.

SECRET

Page 307 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



AA-CR-59-4162-4. Underside of flight deck showing damage to Bent 59, looking to port,

SECRET

USS INDEPENDENCE (CVL22)

Page 308 of 766 Pages

9625



AA-CR-59-2222-3. Flight deck Bent 59, starboard side. Fracture in weld joining tripping bracket to vertical member. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 309 of 766 Pages

9625



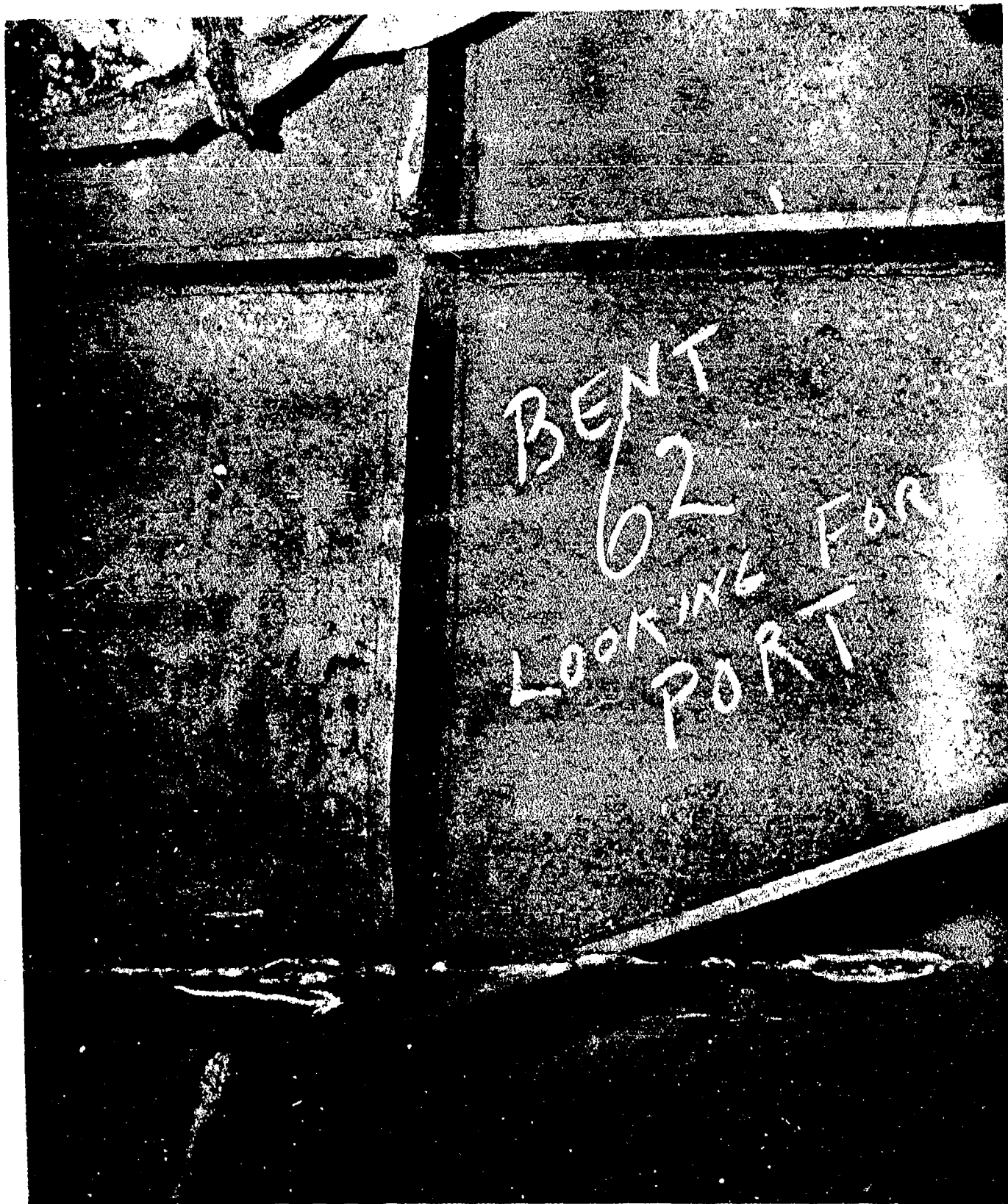
AA-CR-65-1736-3. Uptake No. 1, hangar deck, starboard side, between Bents 59 and 62. Looking outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 310 of 766 Pages

9625



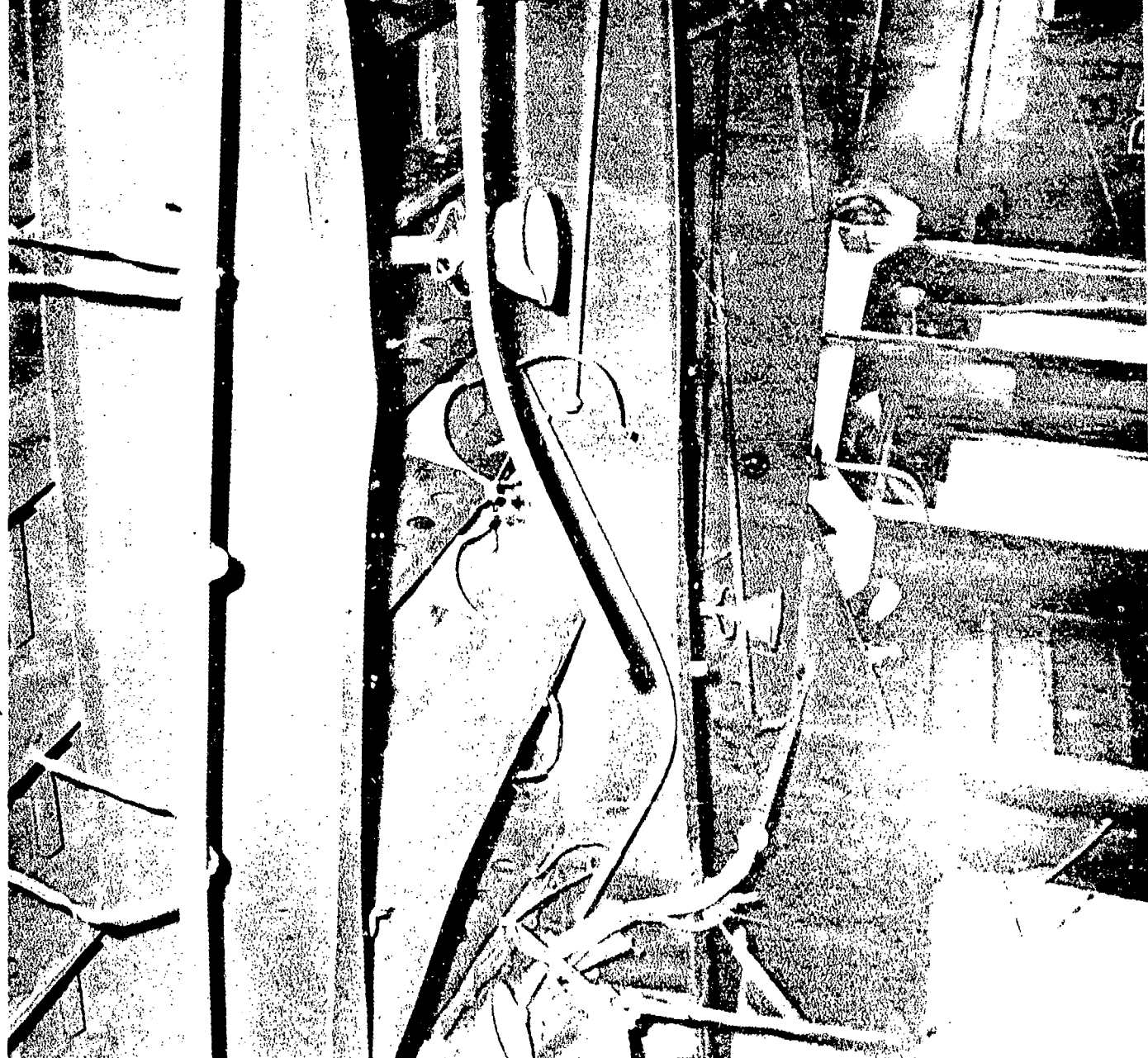
AA-CR-59-2222-9. Flight deck Wobble Bent 62. Port side, looking forward. Column of bent is missing. Note that arrows point to failure of welds.

SECRET

USS INDEPENDENCE (CVL22)

Page 311 of 766 Pages

9625



AA-CR-59-2227-6. Flight deck girders, Bents 62 and 59, port side, looking forward. Note break between flange and web, Bent 62.

SECRET

USS INDEPENDENCE (CVL22)

Page 312 of 766 Pages

9625



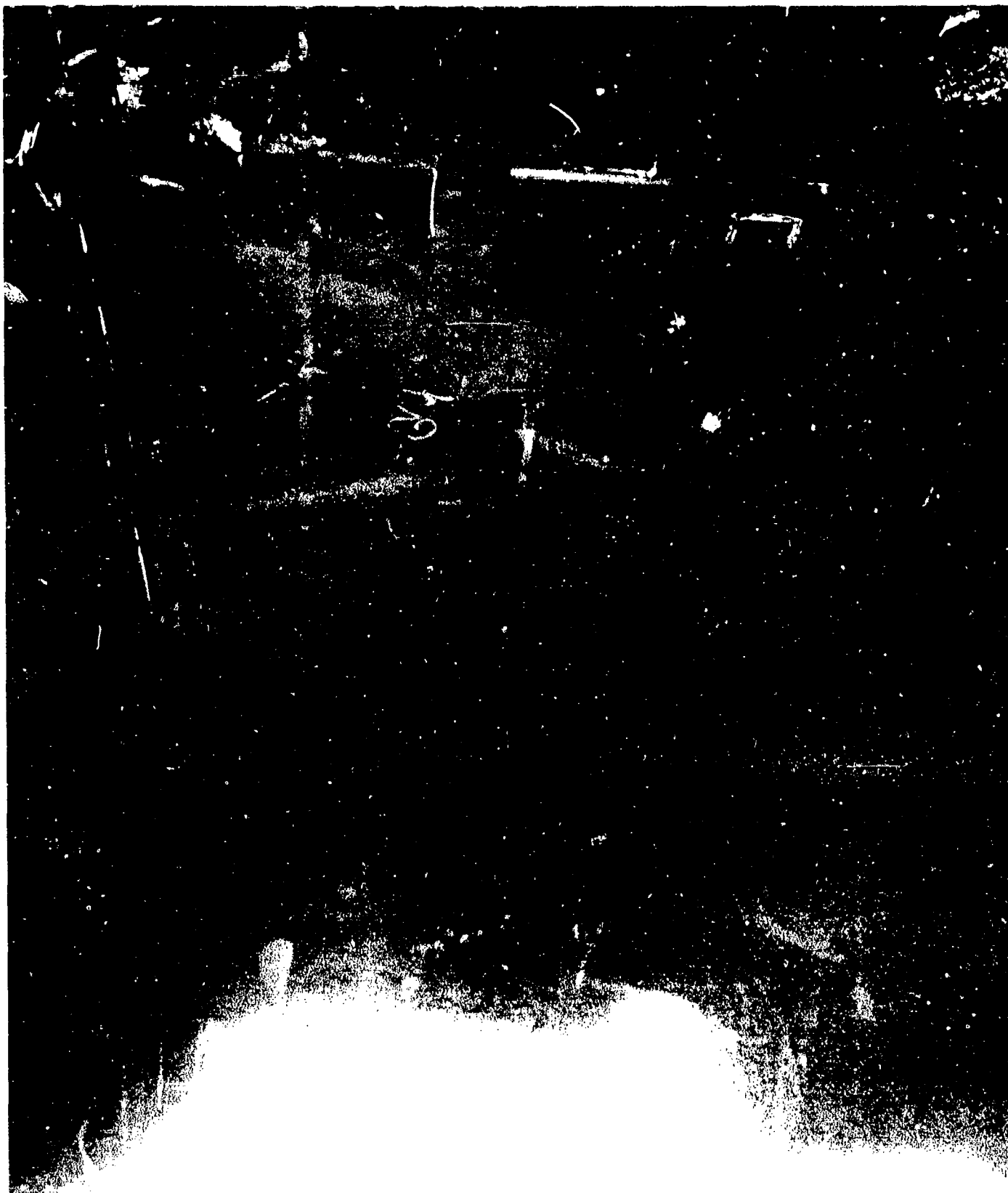
AA-CR-59-2222-1. Flight deck Bent 62, port side, looking forward. Note ripples in lower flange.

SECRET

Page 313 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



AA-CR-100-4162-5. Underside of flight deck, looking to port at Bent 62.
Note longitudinal distortion of girder.

SECRET

USS INDEPENDENCE (CVL22)
Page 314 of 766 Pages

9625



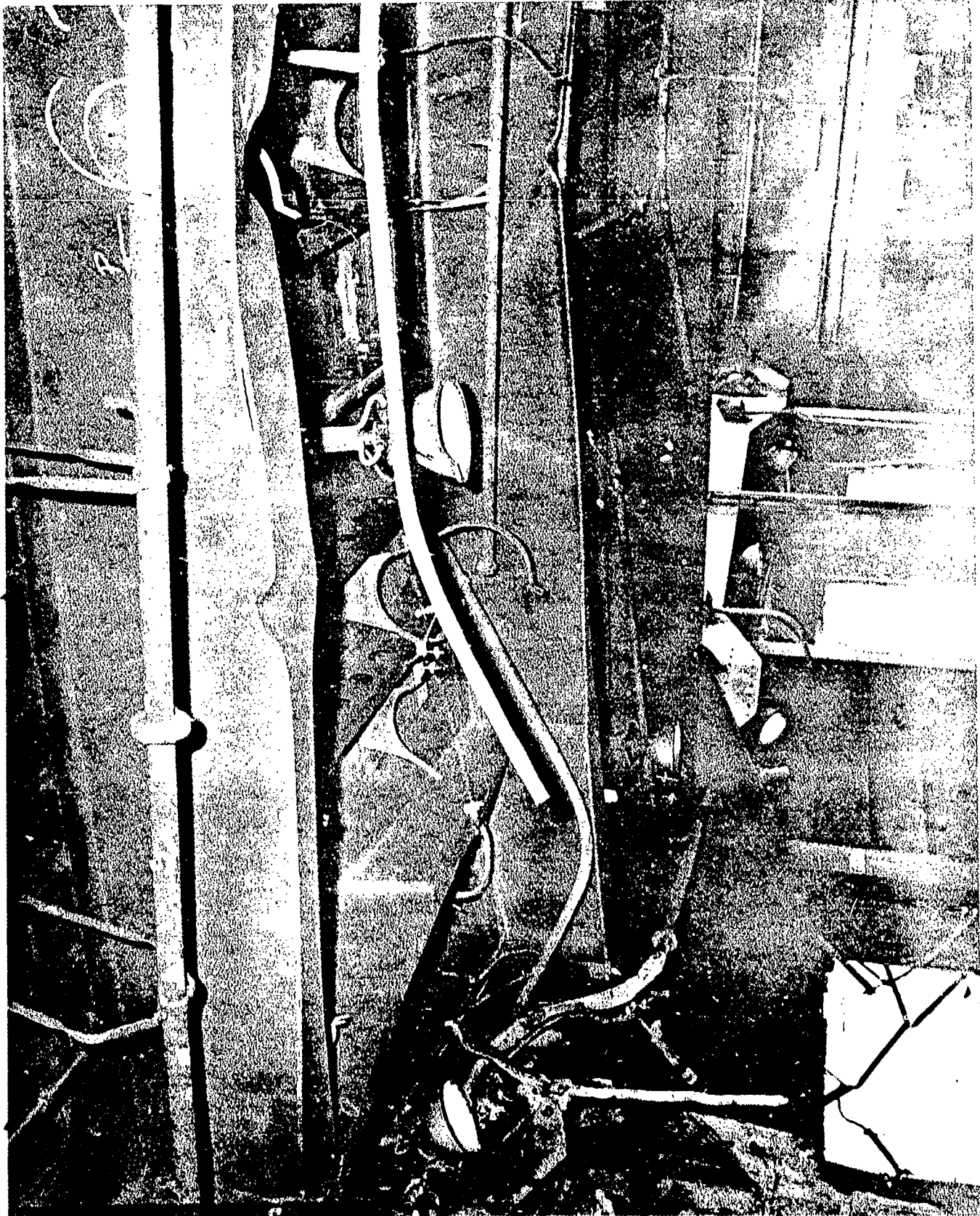
AA-CR-59-2222-7. Flight deck Bent girder 62, looking up and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 315 of 766 Pages

9625



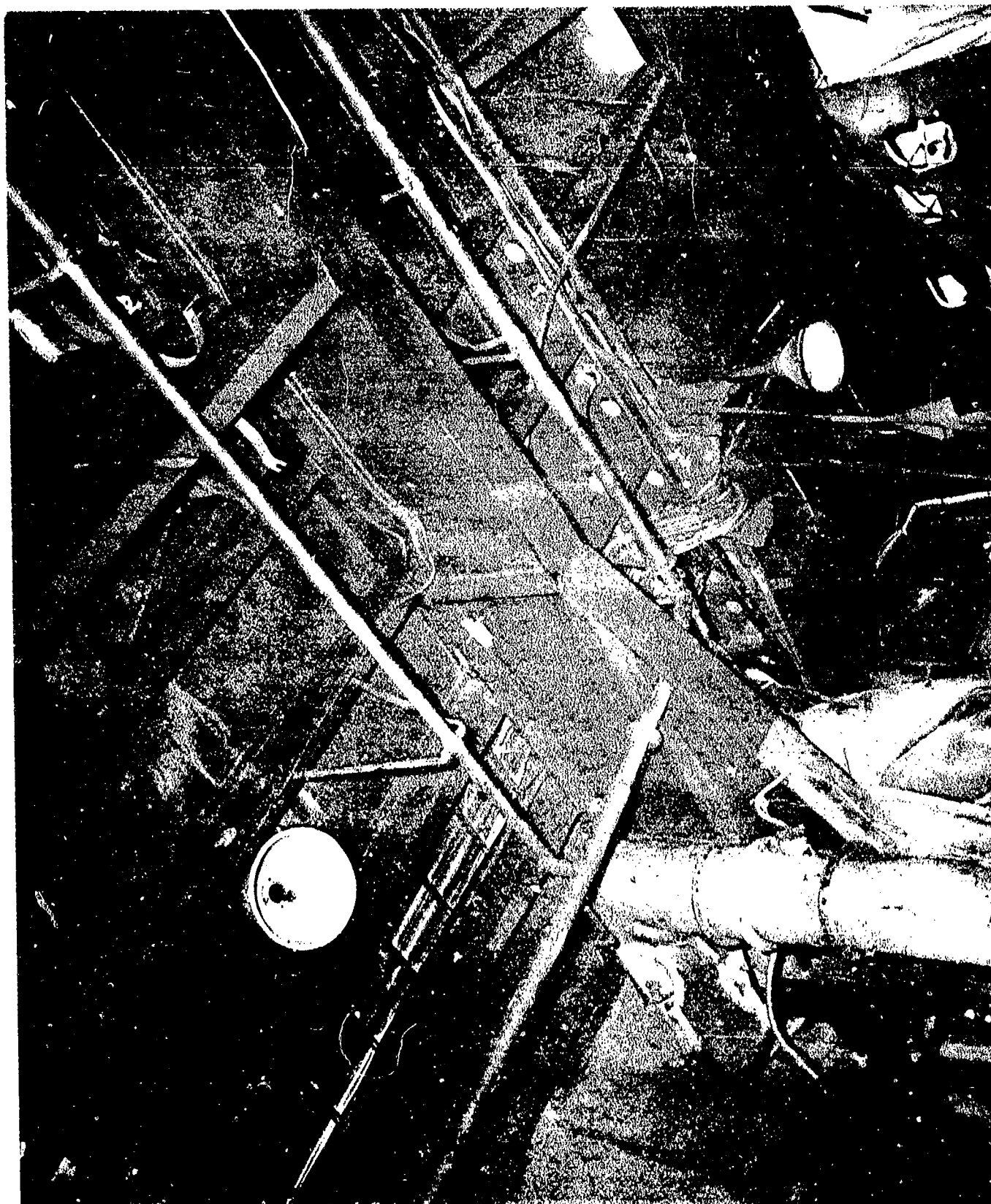
AA-CR-59-2227-7. Flight deck bents, looking forward and to port from Bent 65.

SECRET

Page 316 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



AA-CR-175-2119-8. Flight deck Wobble Bent 62, starboard side, looking aft from Bent 59. Note kinks in web and top flange of girder just inboard of bracket.

SECRET

Page 317 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-59-2222-4. Flight deck Wobble Bent 62, starboard side. Failure of riveted and welded joints in deck connection plate.

SECRET

USS INDEPENDENCE (CVL22)

Page 318 of 766 Pages

9625



AA-CR-100-2199-12. Flight deck Wobble Bent 62, starboard side. Failure of weld joining Bent and deck connection plate. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 319 of 766 Pages

9625



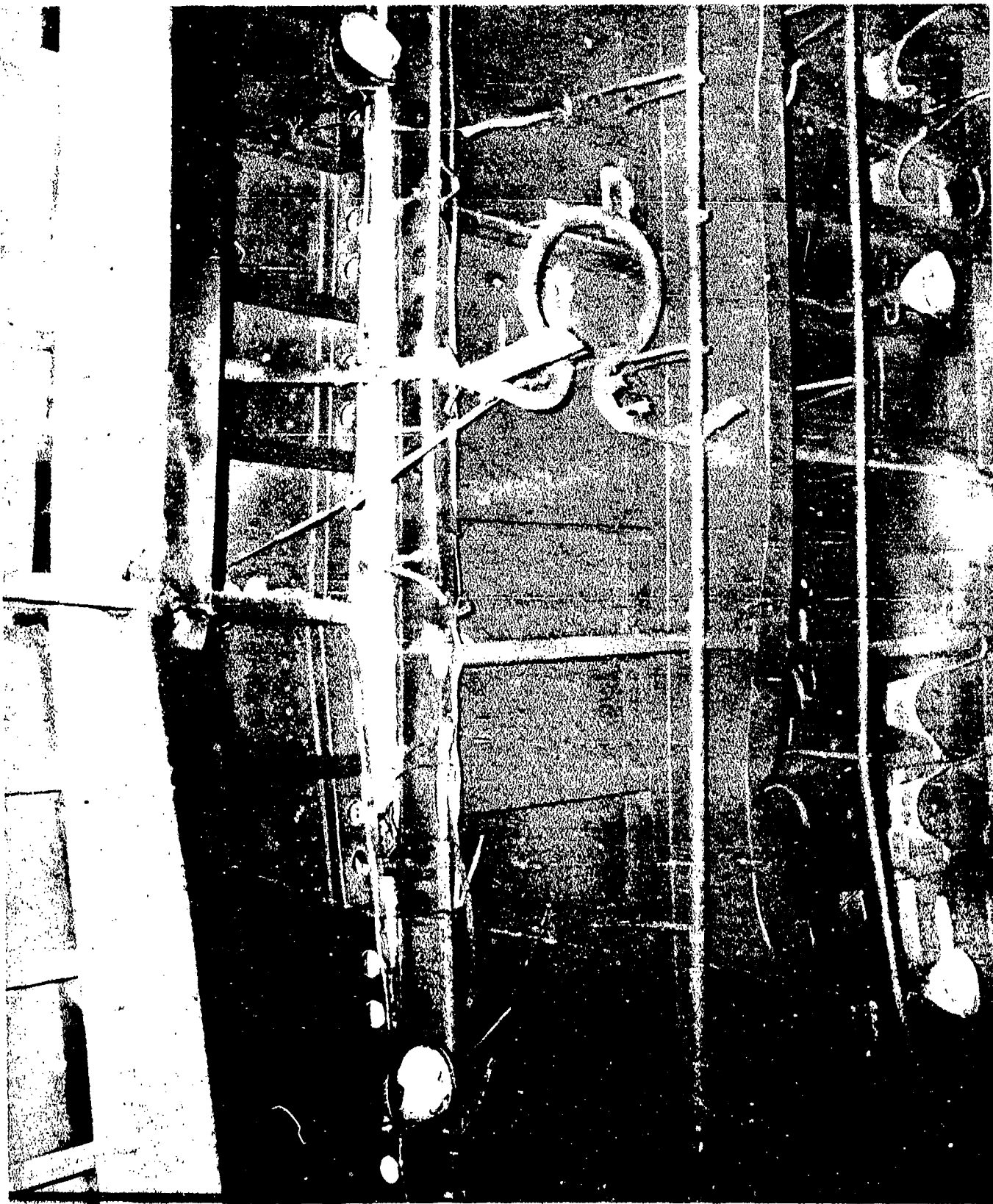
AA-CR-59-2222-2. Flight deck Bent 65, centerline, looking forward. Note joint failure and tear in flight deck plating.

SECRET

Page 320 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



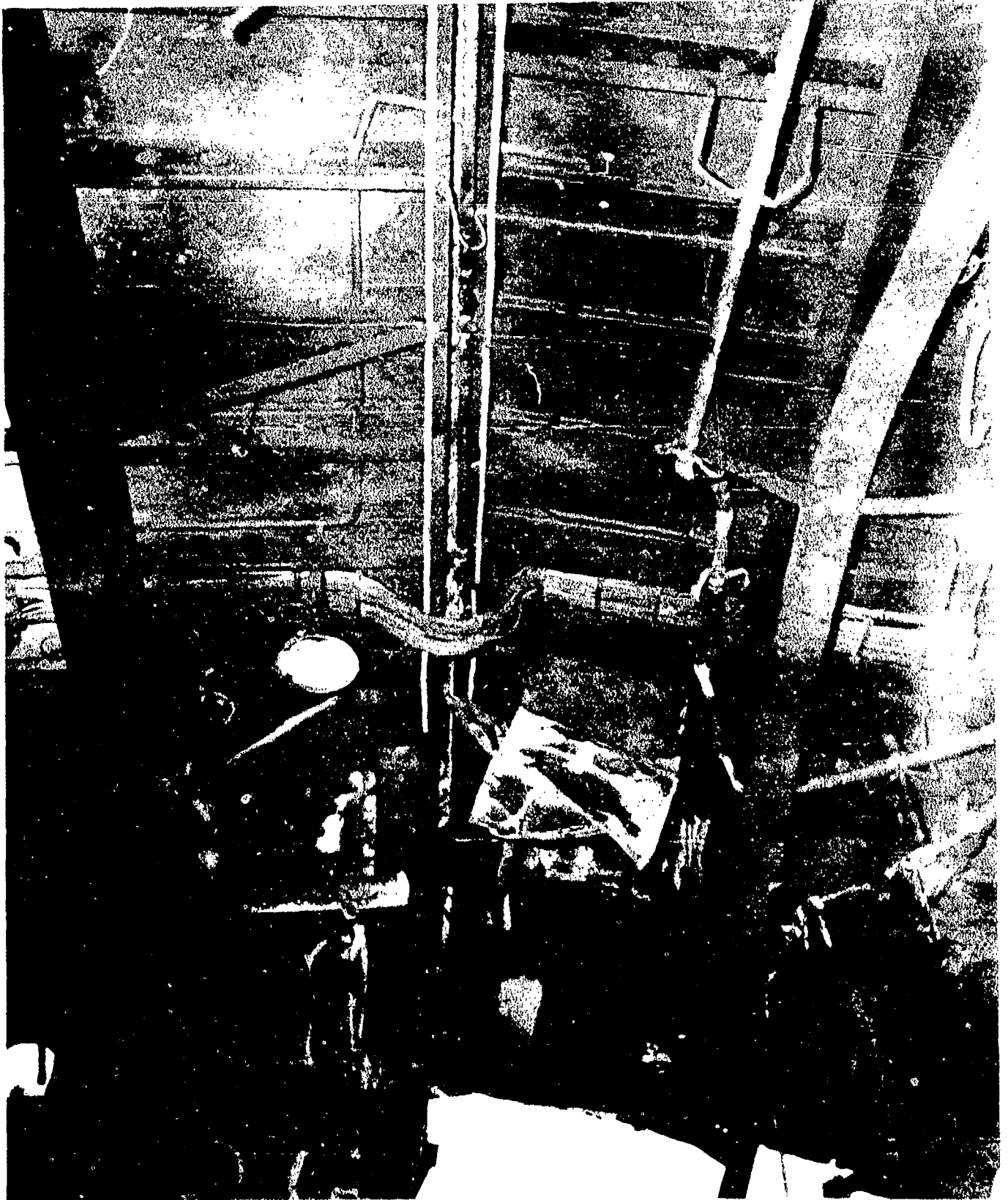
AA-CR-175-2119-4. Flight deck Bents 62 and 65. General view along centerline. Looking forward from Bent 68. Note expansion joint opening at frame 63 1/2.

SECRET

Page 321 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



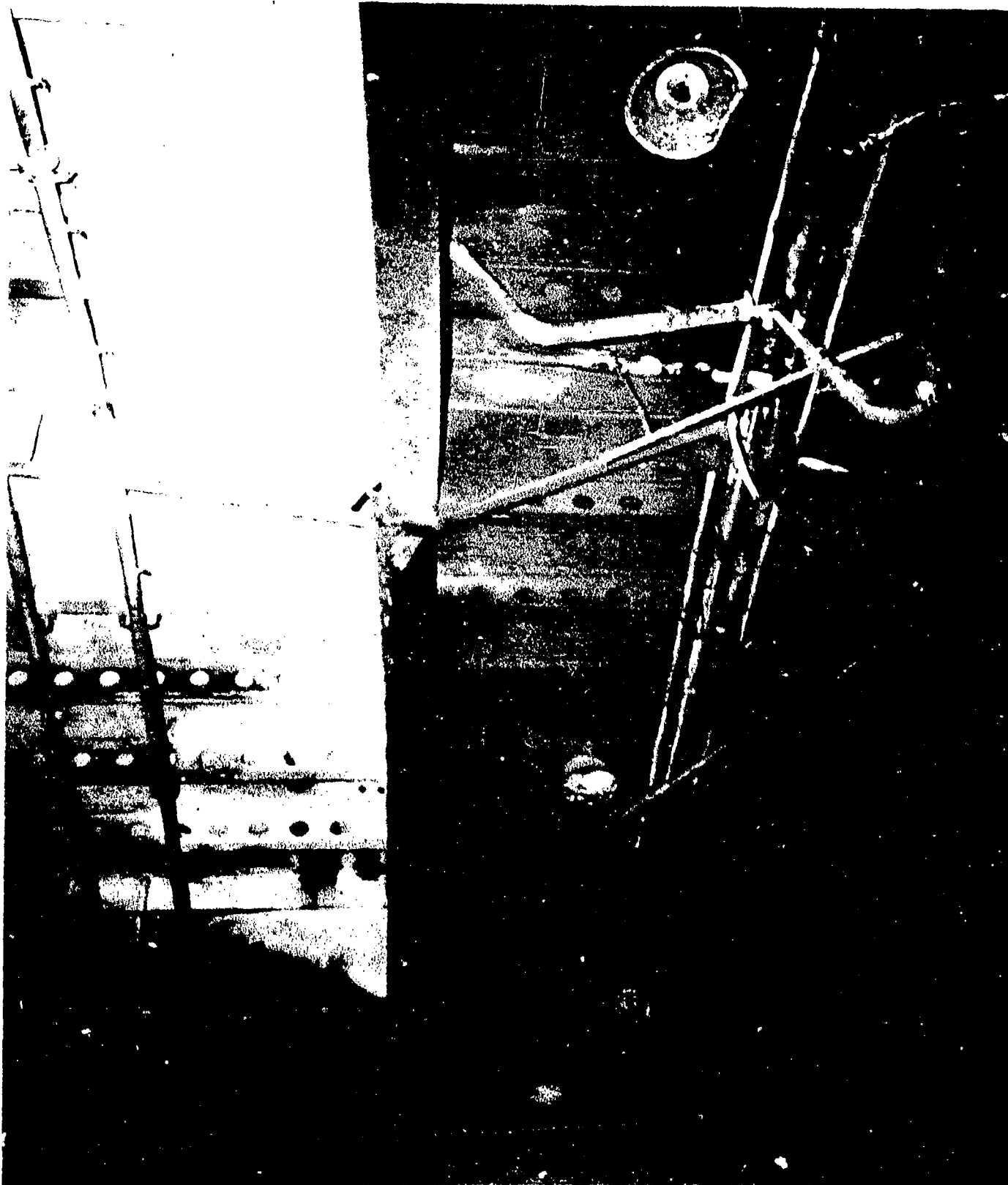
AA-CR-80-1675-12. After Baker. Flight deck expansion joint at frame 63 1/2. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 322 of 766 Pages

9625



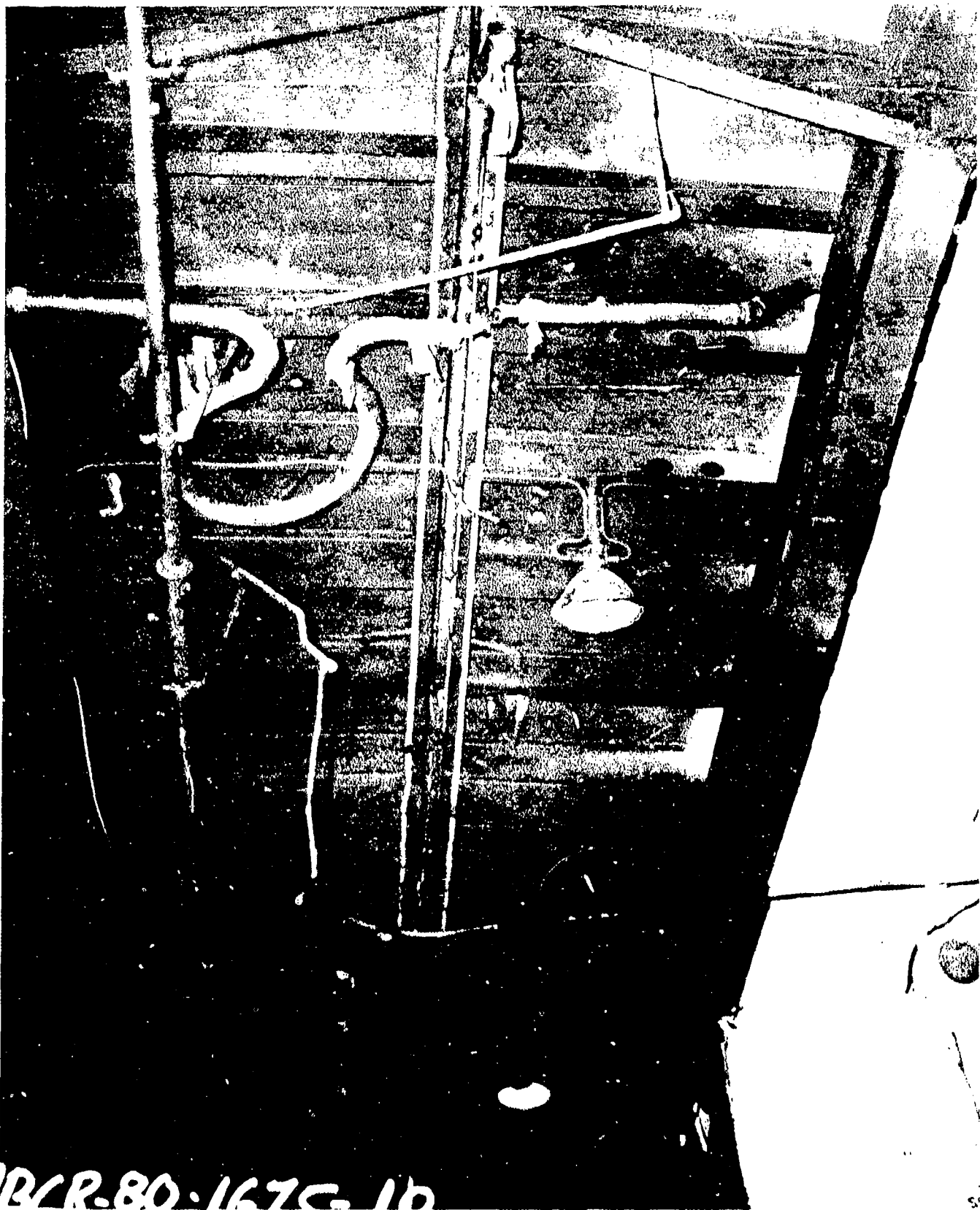
AA-CR-100-4162-6. Flight deck Wobble Bem 65. Failure of welded connection at centerline of girder flange. Looking to port,

SECRET

USS INDEPENDENCE(CVL22)

Page 323 of 766 Pages

9625

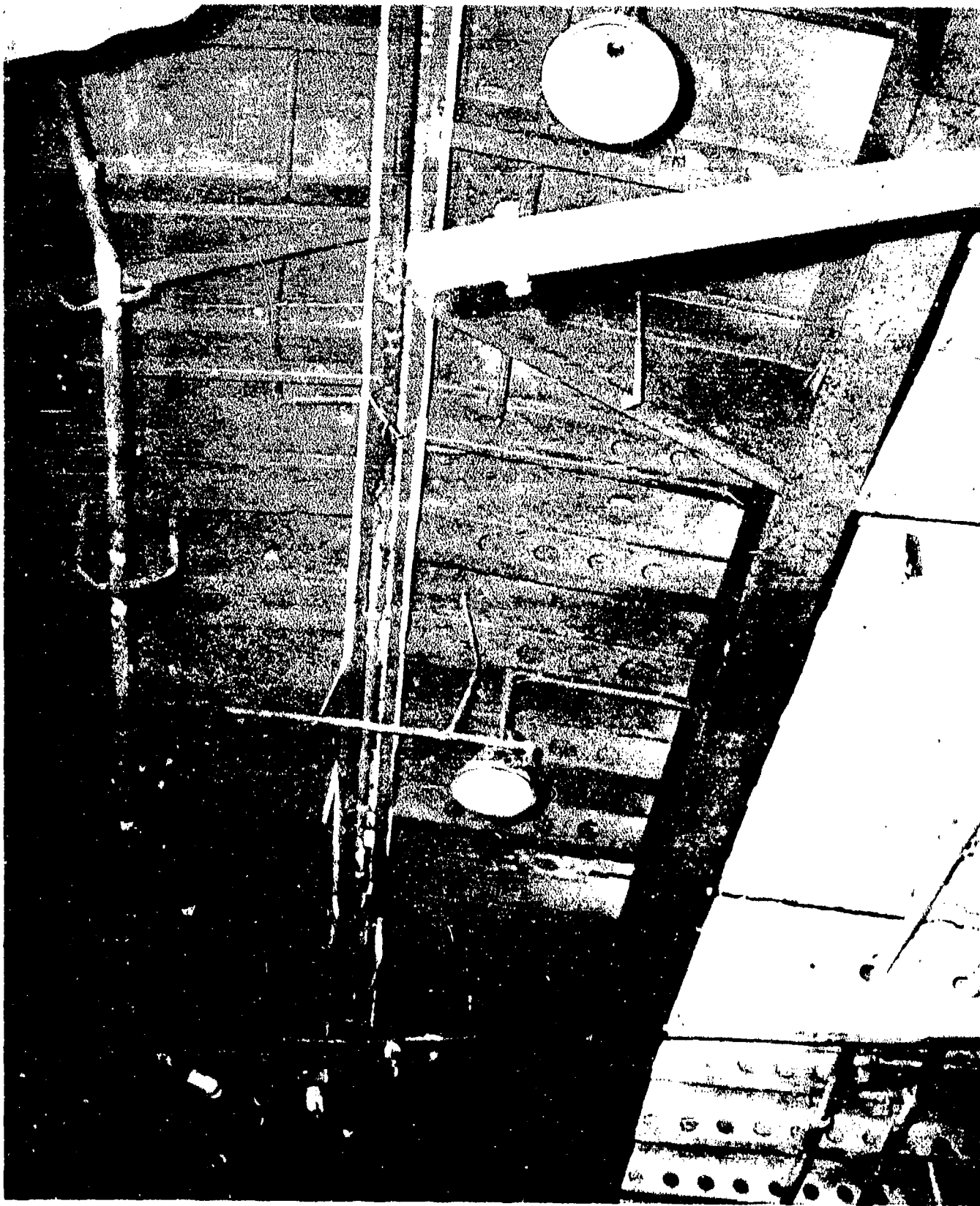


AB-CR-80-1675-10. After Baker. Flight deck expansion joint at frame 63 1/2. Looking to starboard.

SECRET

USS INDEPENDENCE (CVL22)
Page 324 of 766 Pages

9625

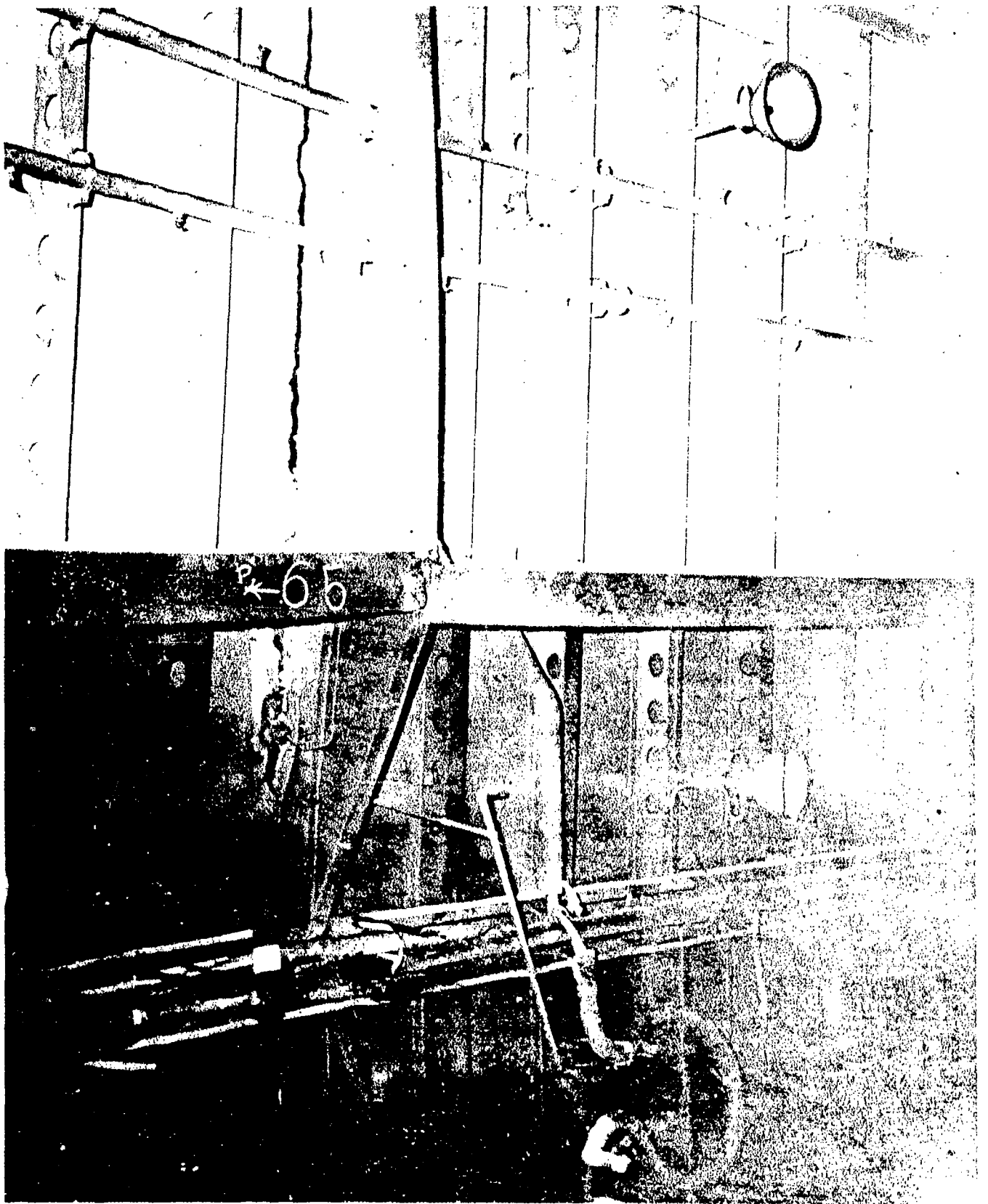


AB-CR-80-1675-11. After Baker. Flight deck expansion joint at frame 63 1/2, looking from port side to starboard, showing centerline bracket.

SECRET

USS INDEPENDENCE (CVL22)
Page 325 of 766 Pages

9625



AA-CR-59-2217-12. Flight deck Wobble Bent 65, centerline. Failure of welded girder flange. Looking upward and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 326 of 766 Pages

9625



AA-CR-100-4160-11. Failure of deck pad, Wobble Bent 65, port side looking forward.

SECRET

Page 327 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



AA-CR-175-2119-10. Flight deck Wobble Bent 65, port side. Failure of riveted and welded joints in deck connection plate. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 328 of 766 Pages

9625



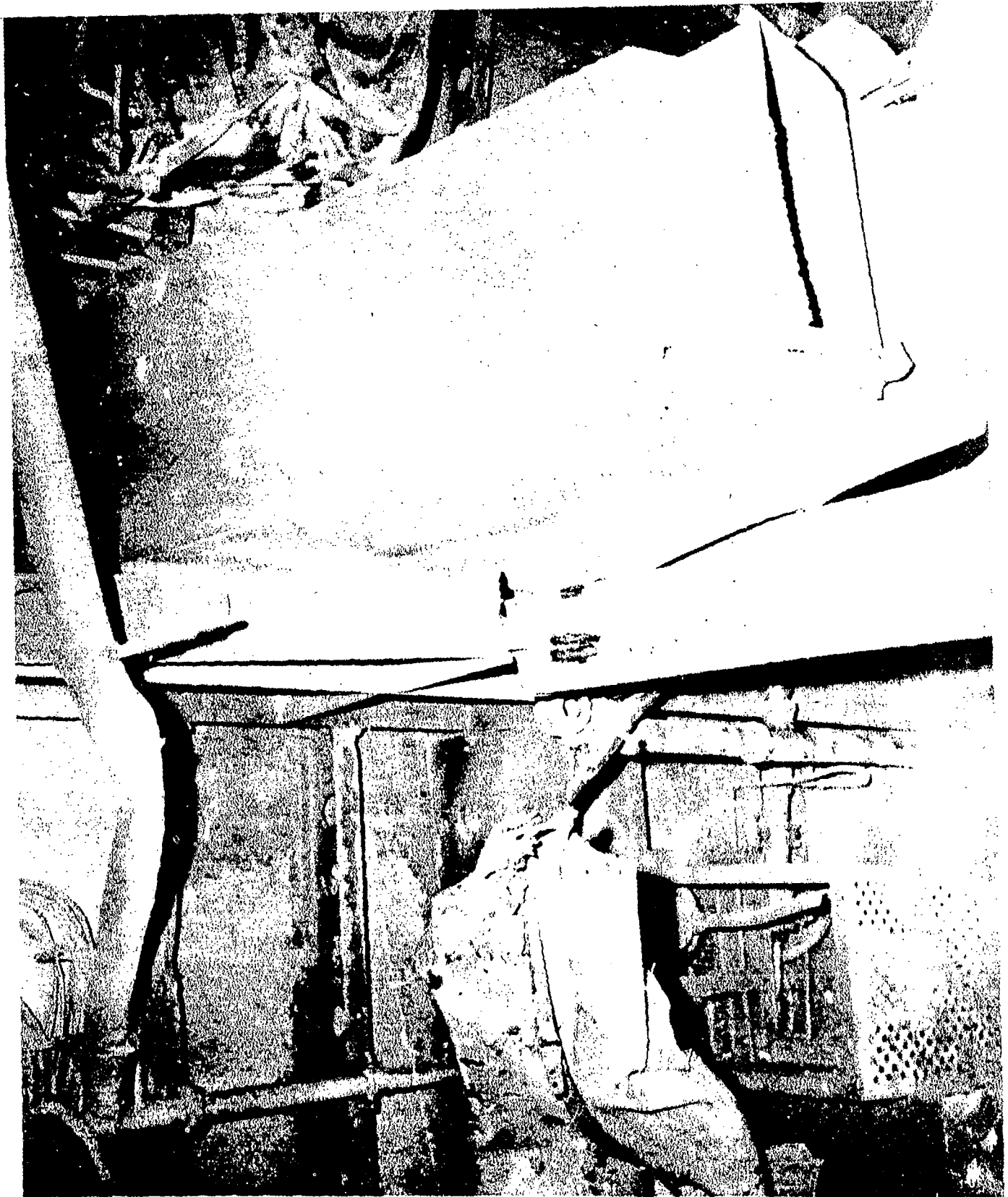
AA-CR-59-2222-11. Flight deck Wobble Bent 65, port side. Failure of overhead connection resulting from fractured weld at lower edge of bracket. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 329 of 766 Pages

9625



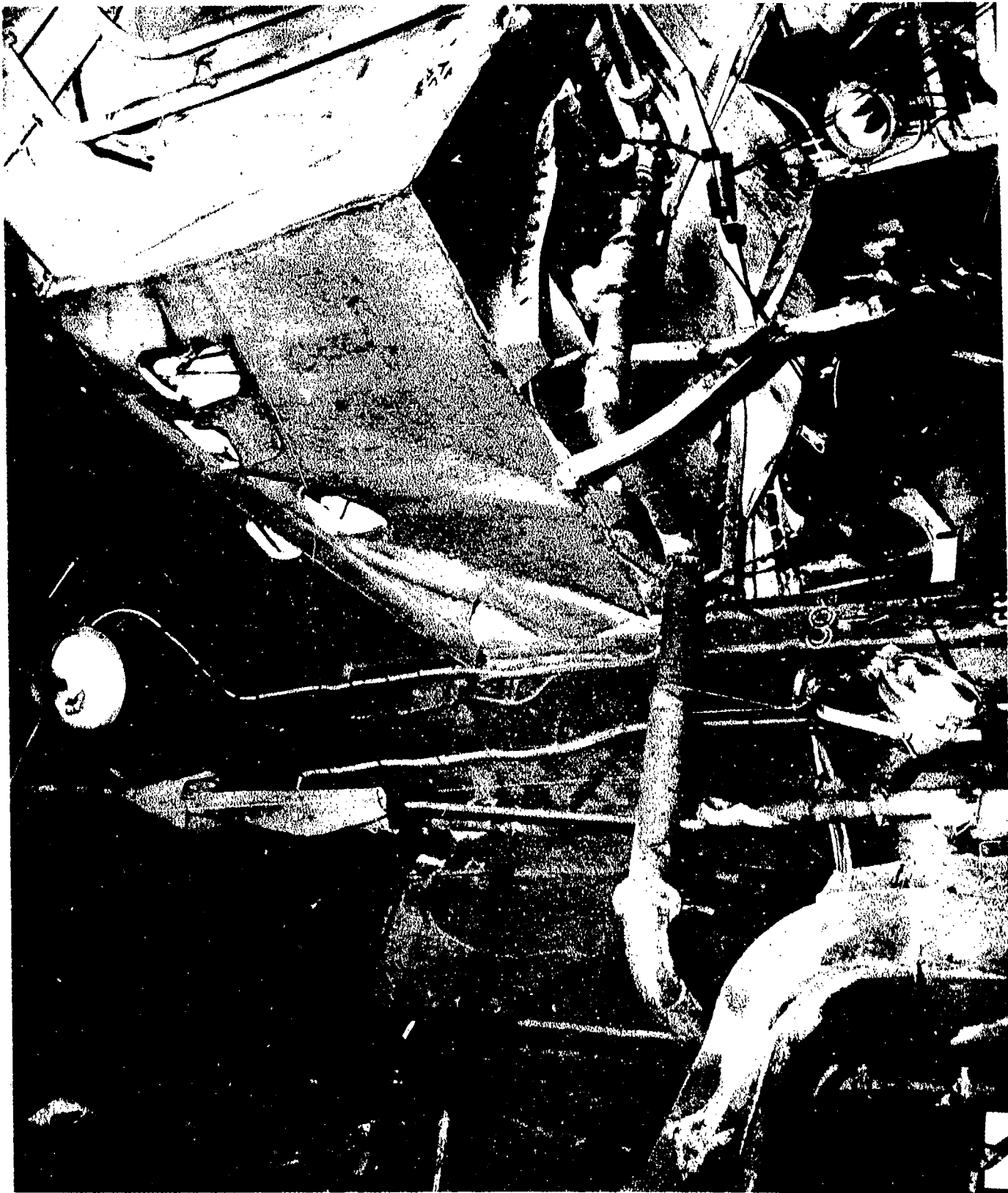
AA-CR-175-2119-11. Flight deck Wobble Bent 65, port side. Failure of overhead connection resulting from fractured weld at lower edge of bracket. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 330 of 766 Pages

9625



AA-CR-175-2119-9. Flight deck Wobble Bent 65, starboard side, looking aft from Bent 59.

SECRET

USS INDEPENDENCE (CVL22)
Page 331 of 766 Pages

9625



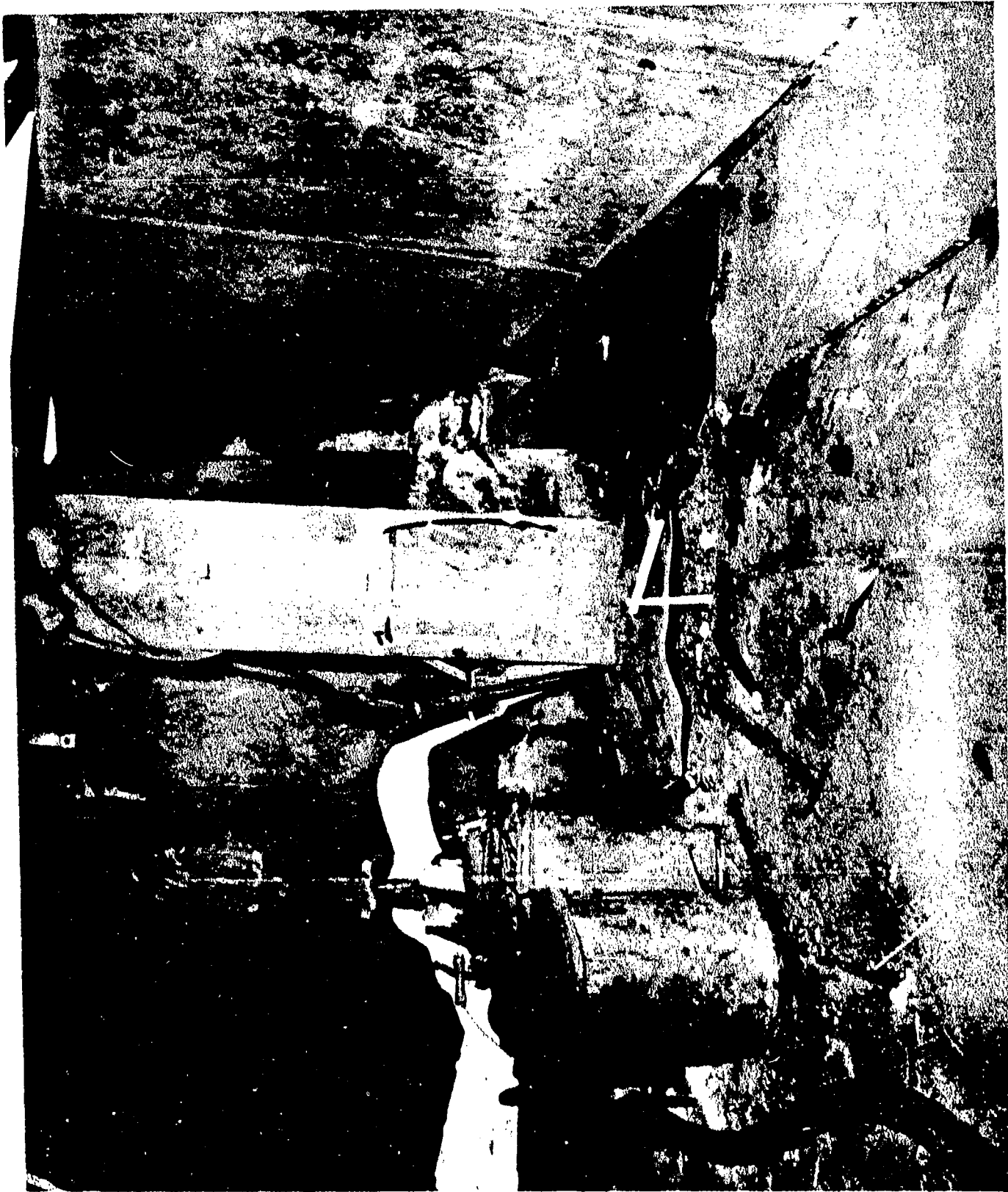
AA-CR-59-2222-5. Flight deck Wobble Bent 65, starboard side. Failure of overhead connection stemming from weld fracture at intersection of bracket and vertical member. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 332 of 766 Pages

9625

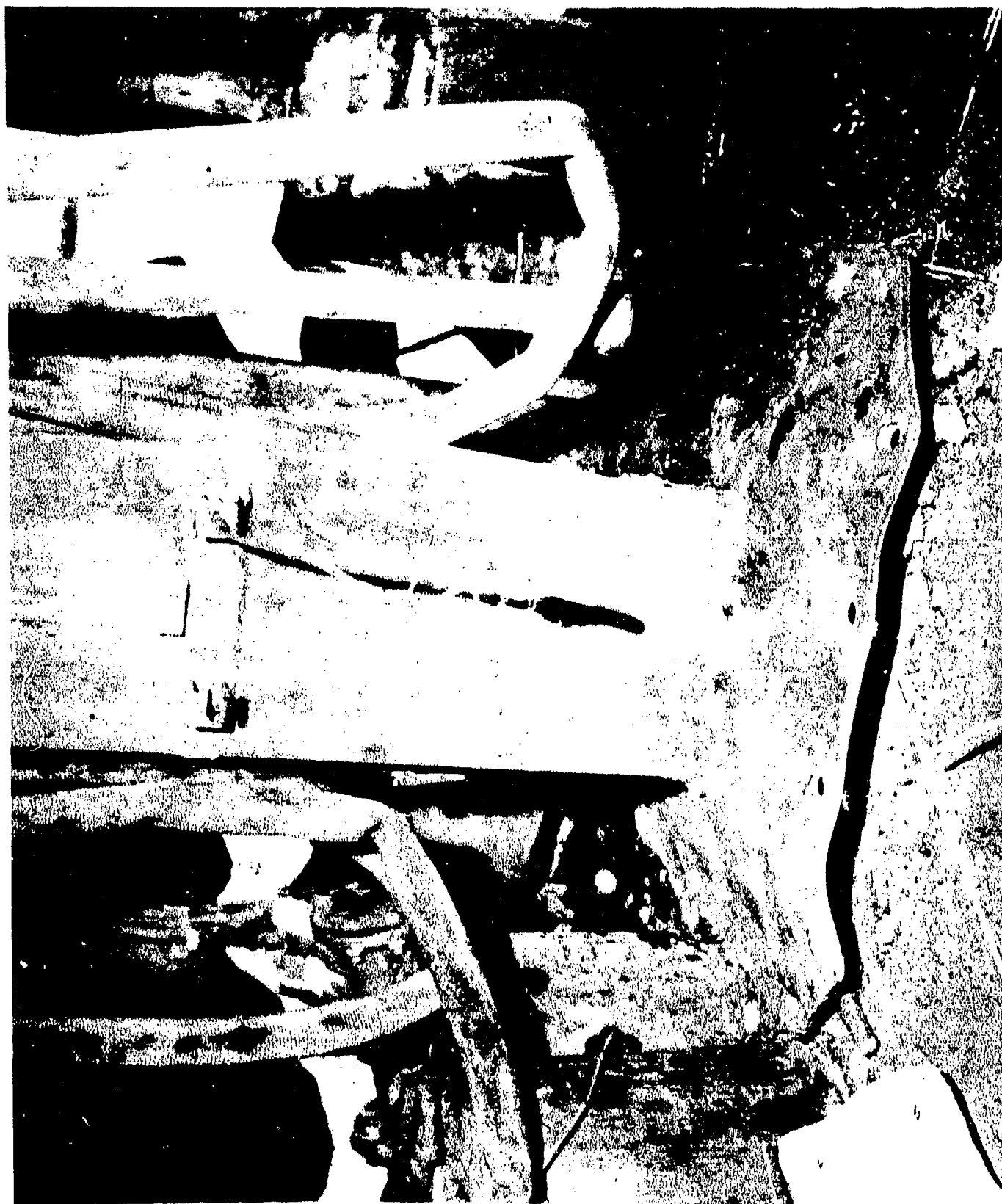


AA-CR-59-2222-6. Wobble Bent 65, looking outboard to starboard, showing failure of deck pad.

SECRET

USS INDEPENDENCE (CVL22)
Page 333 of 766 Pages

9625



AA-CR-65-958-6. Detail view of deck pad, Wobble Bent 65, starboard side looking outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 334 of 766 Pages

9625



AA-CR-65-1736-4. Uptake No. 2, hangar deck, starboard side, between Wobble Bent 65 and Bent 68. Failure of riveted and welded construction. Looking outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 335 of 766 Pages

9625



AA-CR-80-4186-3. After Baker - Flight deck Bent 68, port bottom, looking aft.

SECRET

Page 336 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



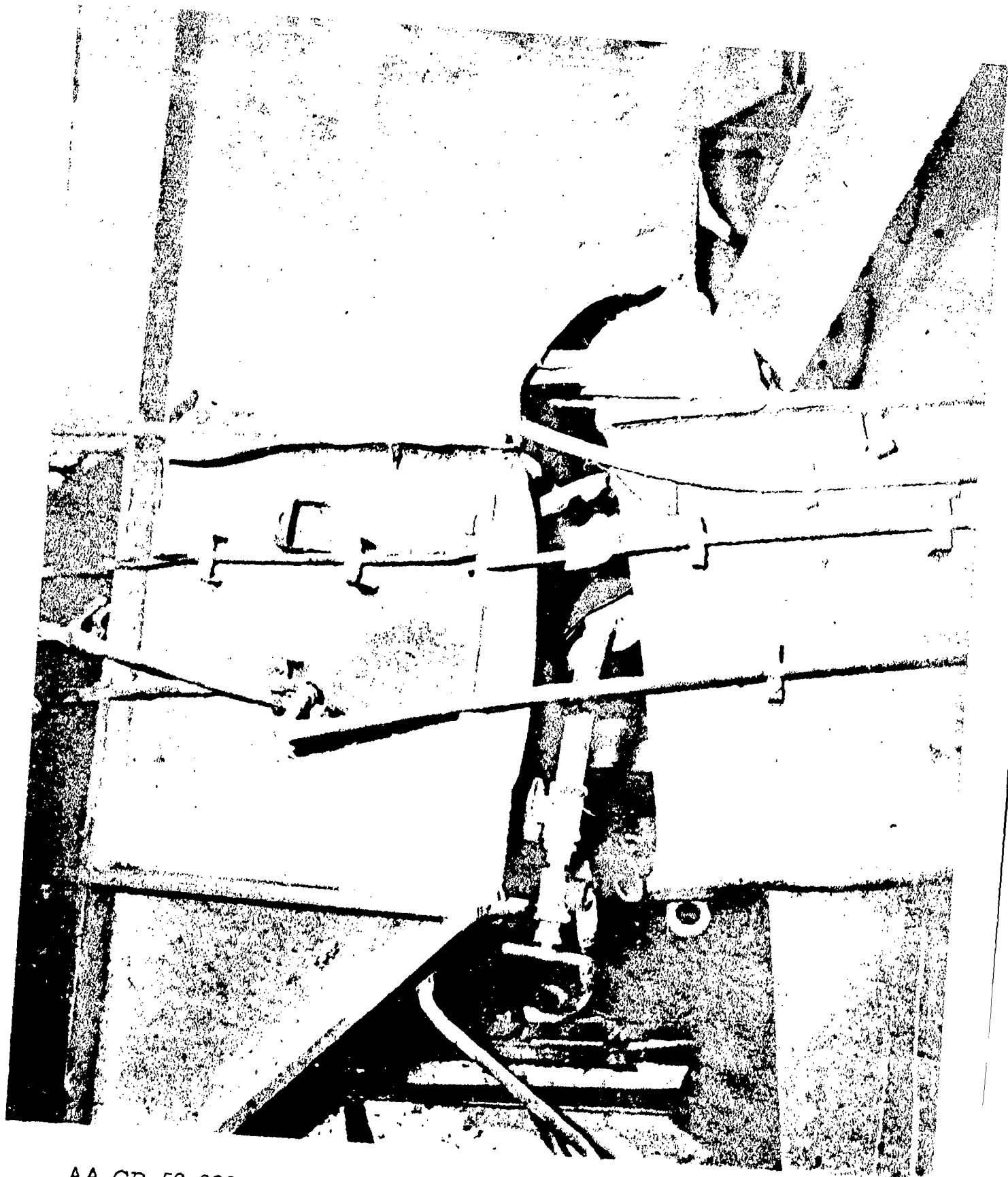
AA-CR-175-2119-12. Flight deck Bent 68, port side. Fracture in vertical member below bracket connection. Looking aft from frame 65 1/2.

SECRET

Page 337 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-59-2222-12. Flight deck Bent 68, port side, Fracture in vertical member below bracket connection. Looking aft.

SECRET

Page 338 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



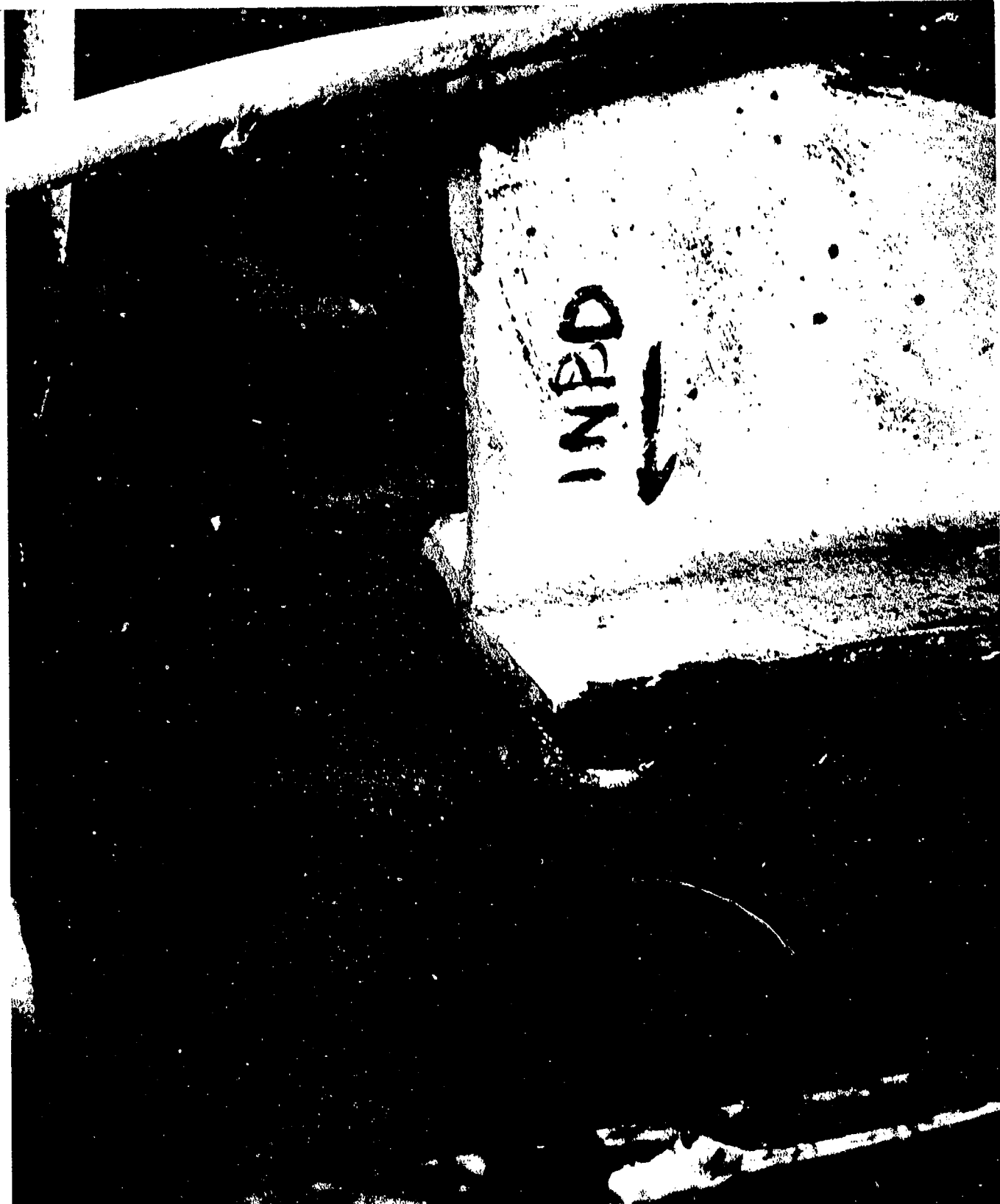
AA-CR-59-4149-5. Flight deck Bent 68, port side, inboard view. Fracture in vertical member below bracket connection. Looking upward and aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 339 of 766 Pages

9625



AA-CR-59-4149-3. Flight deck Bent 68, port side. Fracture is vertical member below bracket connection. Looking downward, aft and inboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 340 of 766 Pages

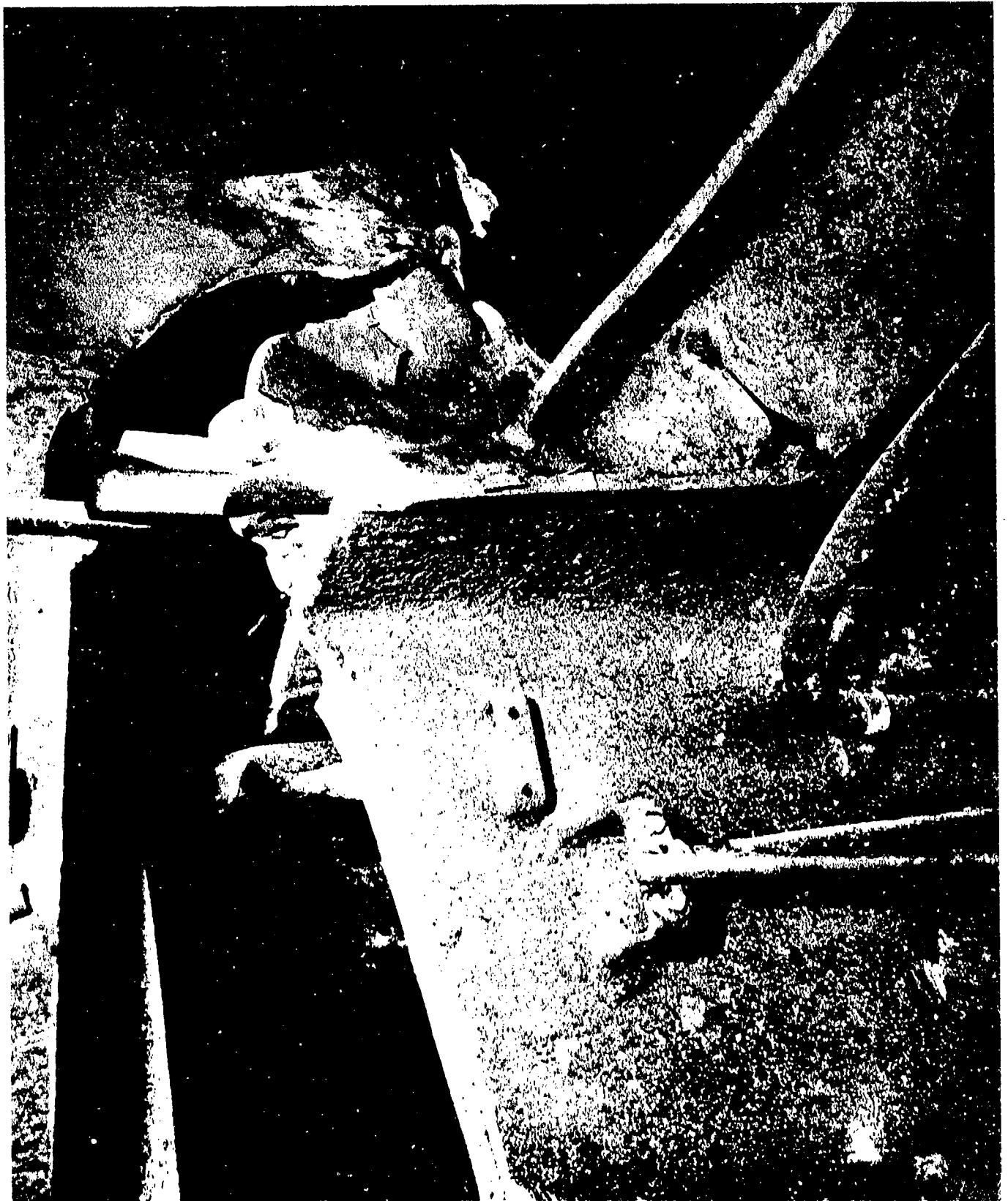
9625



AA-CR-59-4149-4. Flight deck Bent 68, port side, outboard view. Frac-
ture in vertical member below bracket connection. Looking upward and
aft.

SECRET

USS INDEPENDENCE (CVL22)
Page 341 of 766 Pages 9625



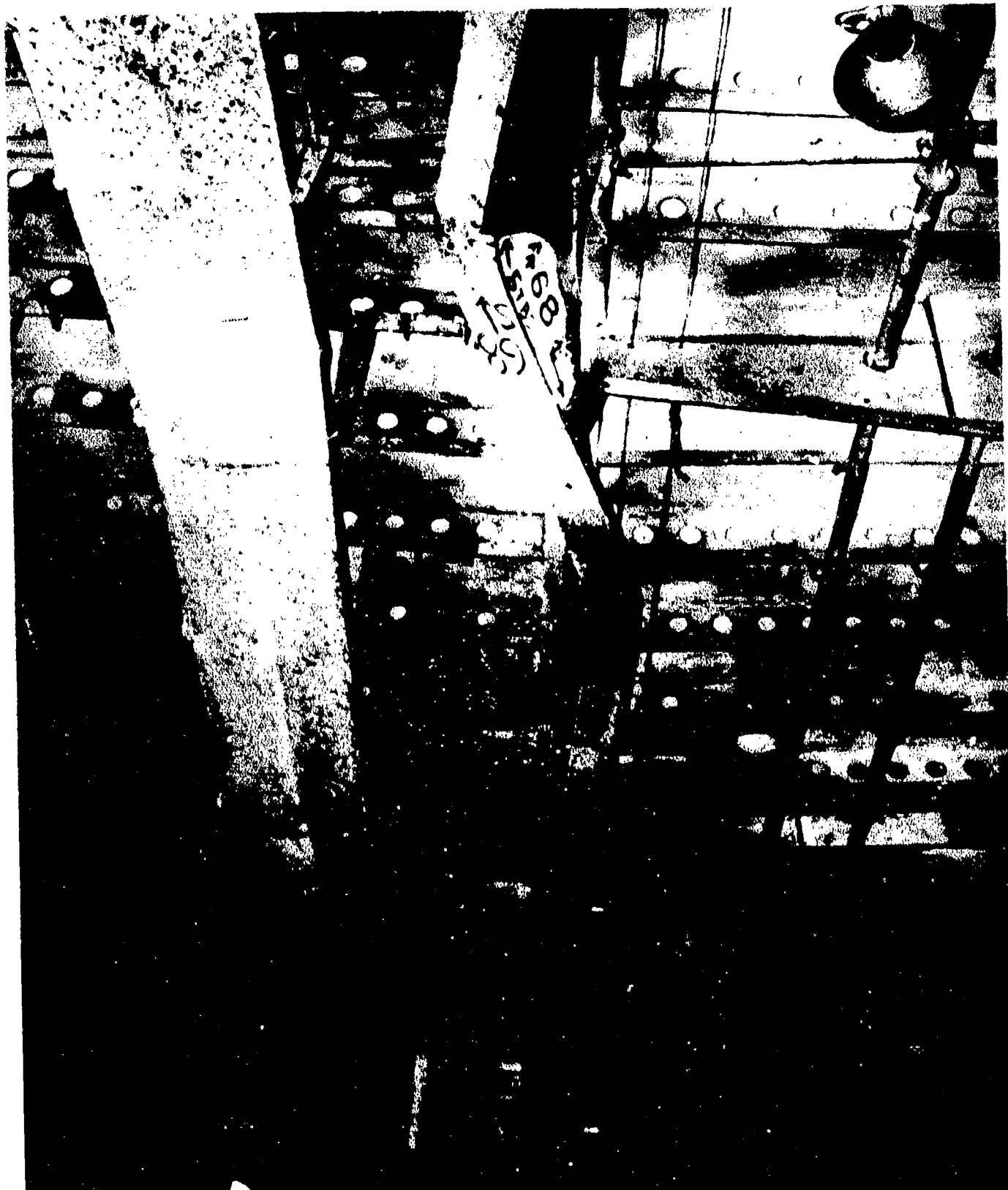
AA-CR-59-4149-2. Flight deck Bent 68, port side. Fracture in vertical member below bracket connection. Looking downward and aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 342 of 766 Pages

9625



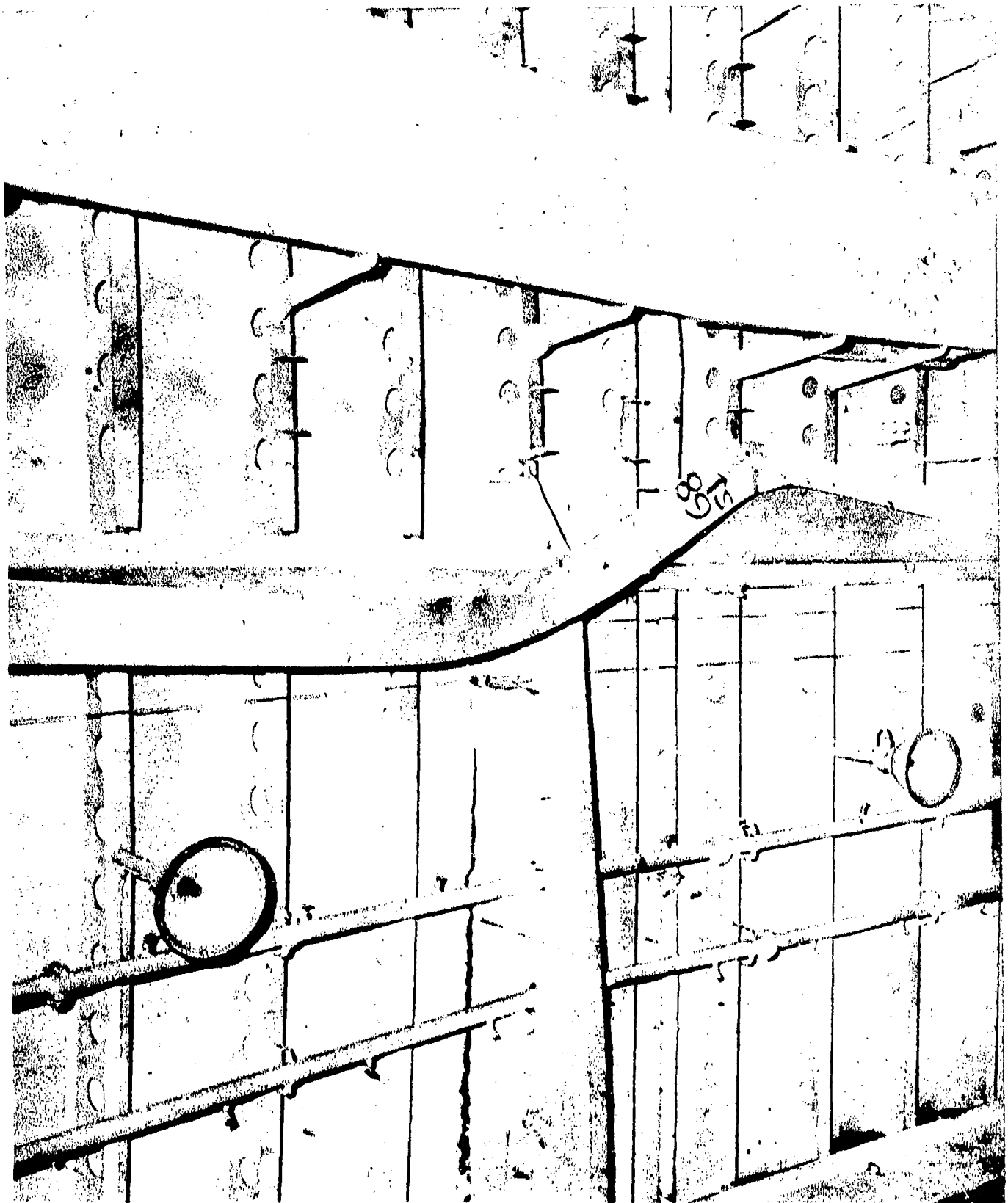
AA-CR-100-4162-7. Underside of flight deck at Bent 68, looking to port, showing warp in girder.

SECRET

USS INDEPENDENCE (CVL22)

Page 343 of 766 Pages

9625



AA-CR-2224-1. Flight deck Bent 68, looking to starboard, showing warping at centerline.

SECRET

USS INDEPENDENCE (CVL22)
Page 344 of 766 Pages

9625



AA-CR-59-2227-1. Flight deck Bents 65, 68 and 71. Failure of welds in port side overhead connection and to deck longitudinals above. Looking forward and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 345 of 766 Pages

9625



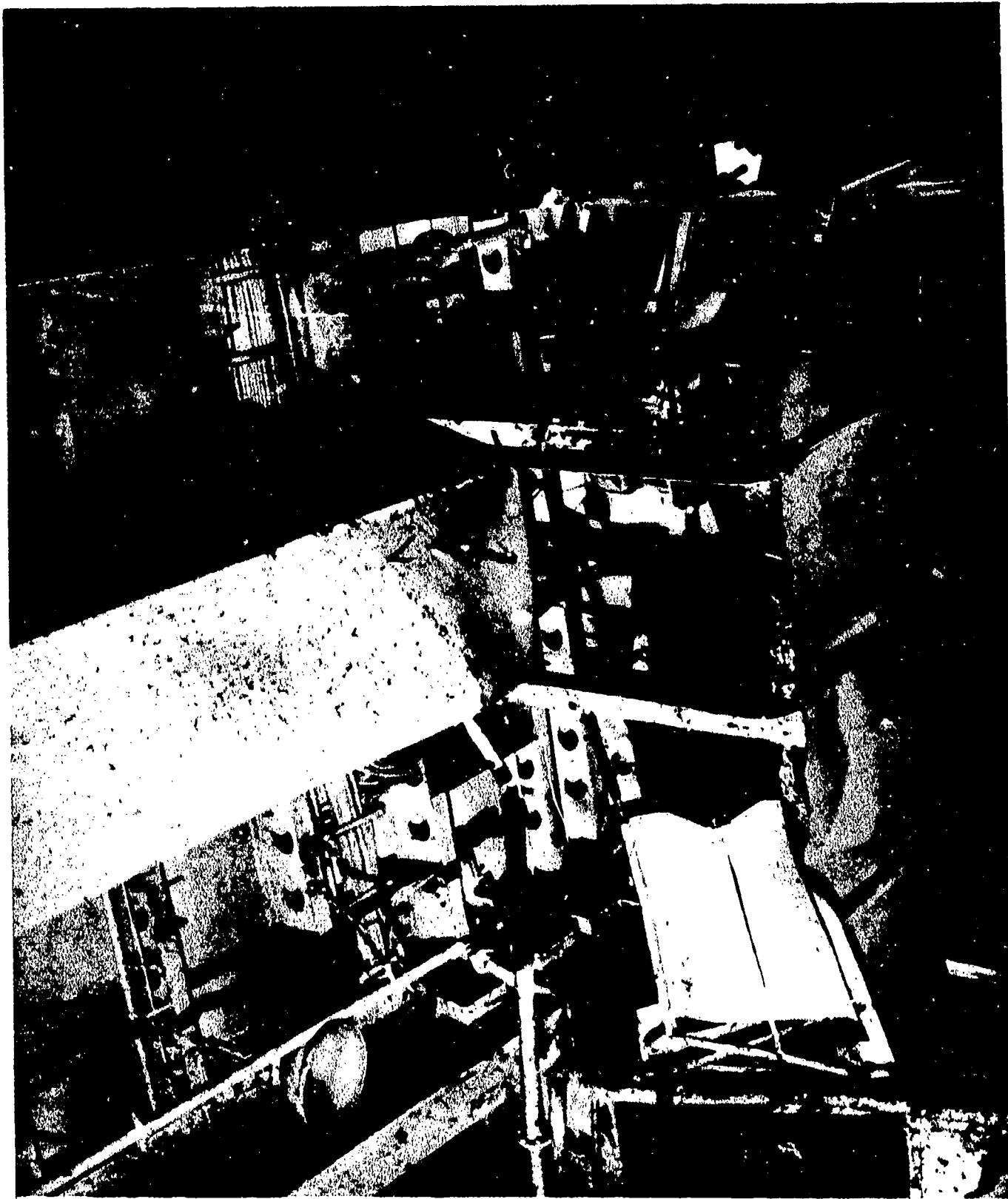
AA-CR-59-2227-4. Flight deck Bent 68, centerline. Buckled transverse girder and fractured weld joining web stiffener to deck longitudinal. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 346 of 766 Pages

9625



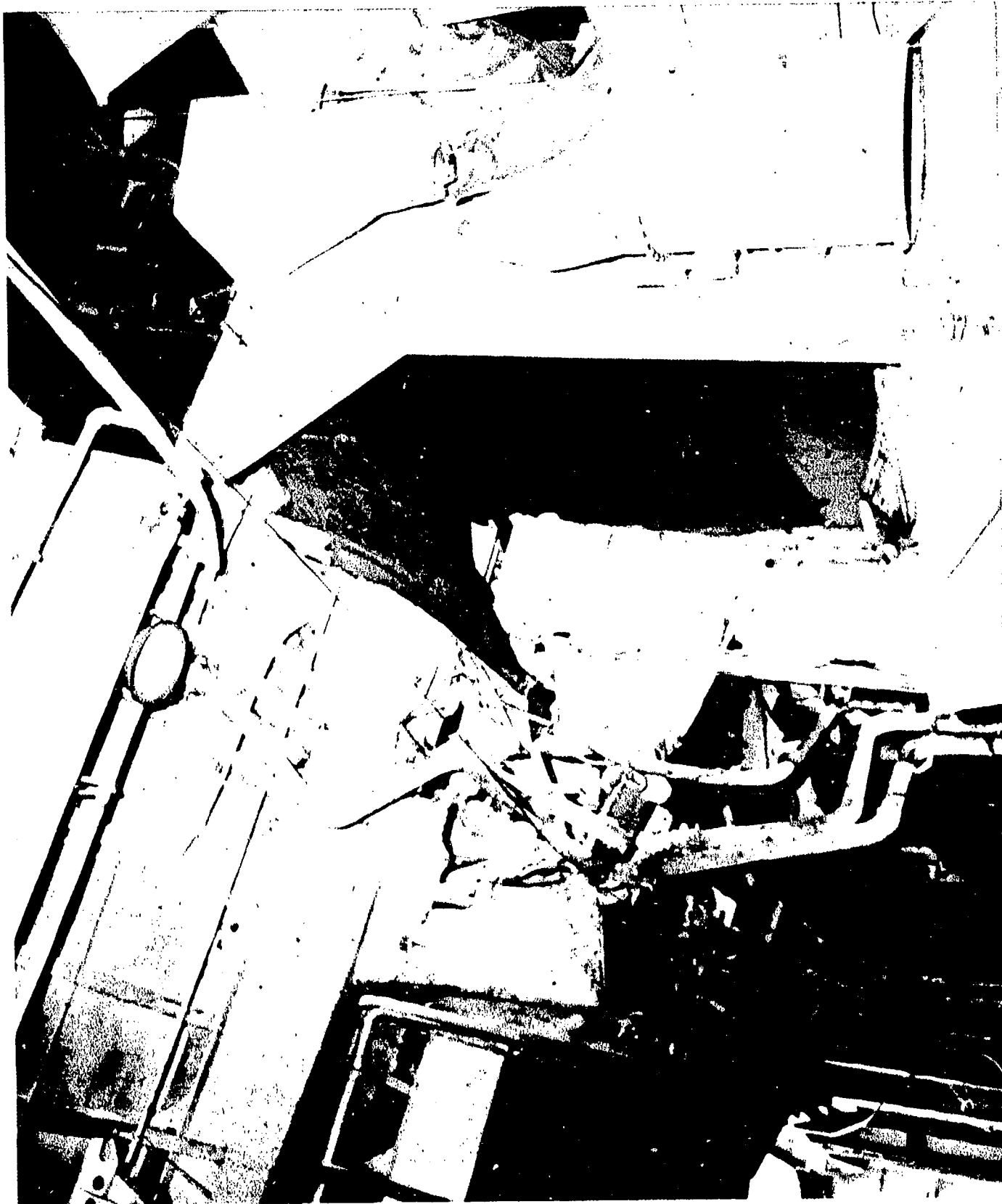
AA-CR-65-958-11. Underside offlight deck. Control station between Bents 68 and 71. Port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 347 of 766 Pages

9625



AA-CR-59-2113-7. Flight deck Bents 68 and 71. Failure of starboard side overhead connection in fillet welds. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 348 of 766 Pages

9625



AA-CR-175-2131-1. Flight deck Bents 68 and 71. Failure of starboard overhead connections in welds. Looking forward from frame 73.

SECRET

USS INDEPENDENCE (CVL22)

Page 349 of 766 Pages

9625



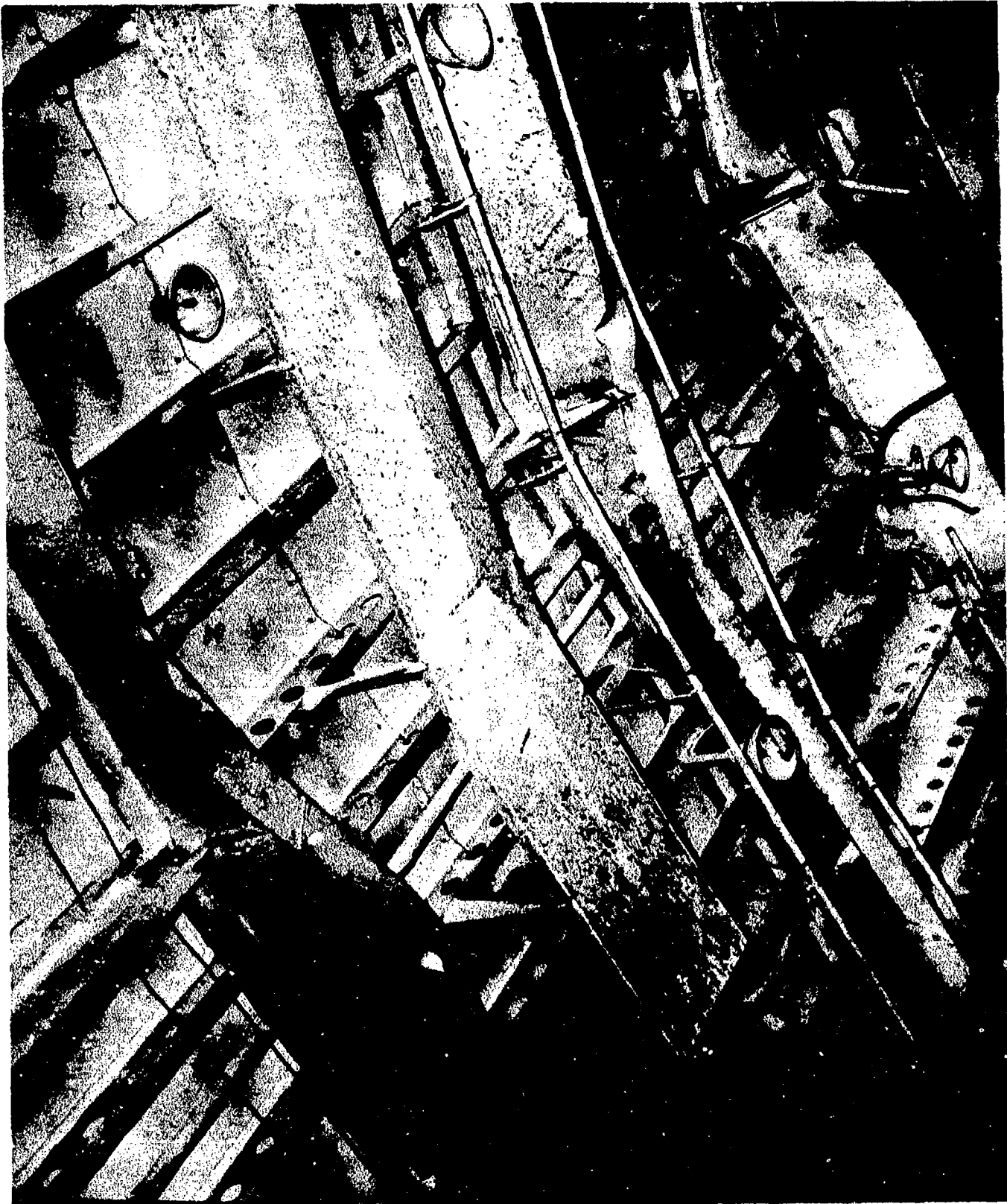
AA-CR-100-4160-4. Flight deck Bent 68, starboard side. Looking up outboard face of Bent from main deck. Note forward bend at top.

SECRET

USS INDEPENDENCE (CVL22)

Page 350 of 766 Pages

9625



AA-CR-175-2119-3. Underside of flight deck, centerline area, Bents 68 and 71, from Bent 65.

SECRET

USS INDEPENDENCE (CVL22)
Page 351 of 766 Pages 9625



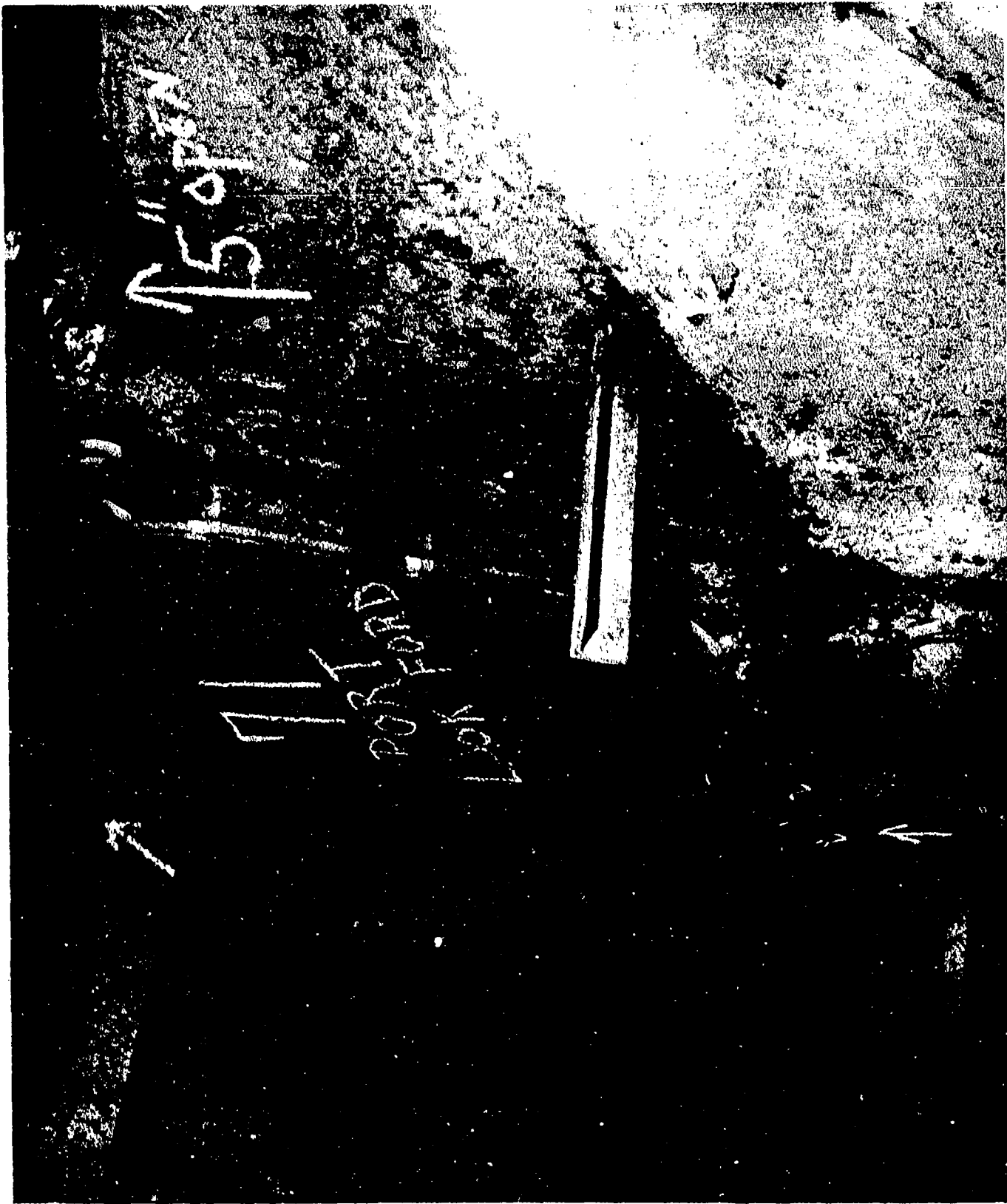
AB-CR-80-4186-4. After Baker - Flight deck Bent 71, port bottom, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 352 of 766 Pages

9625



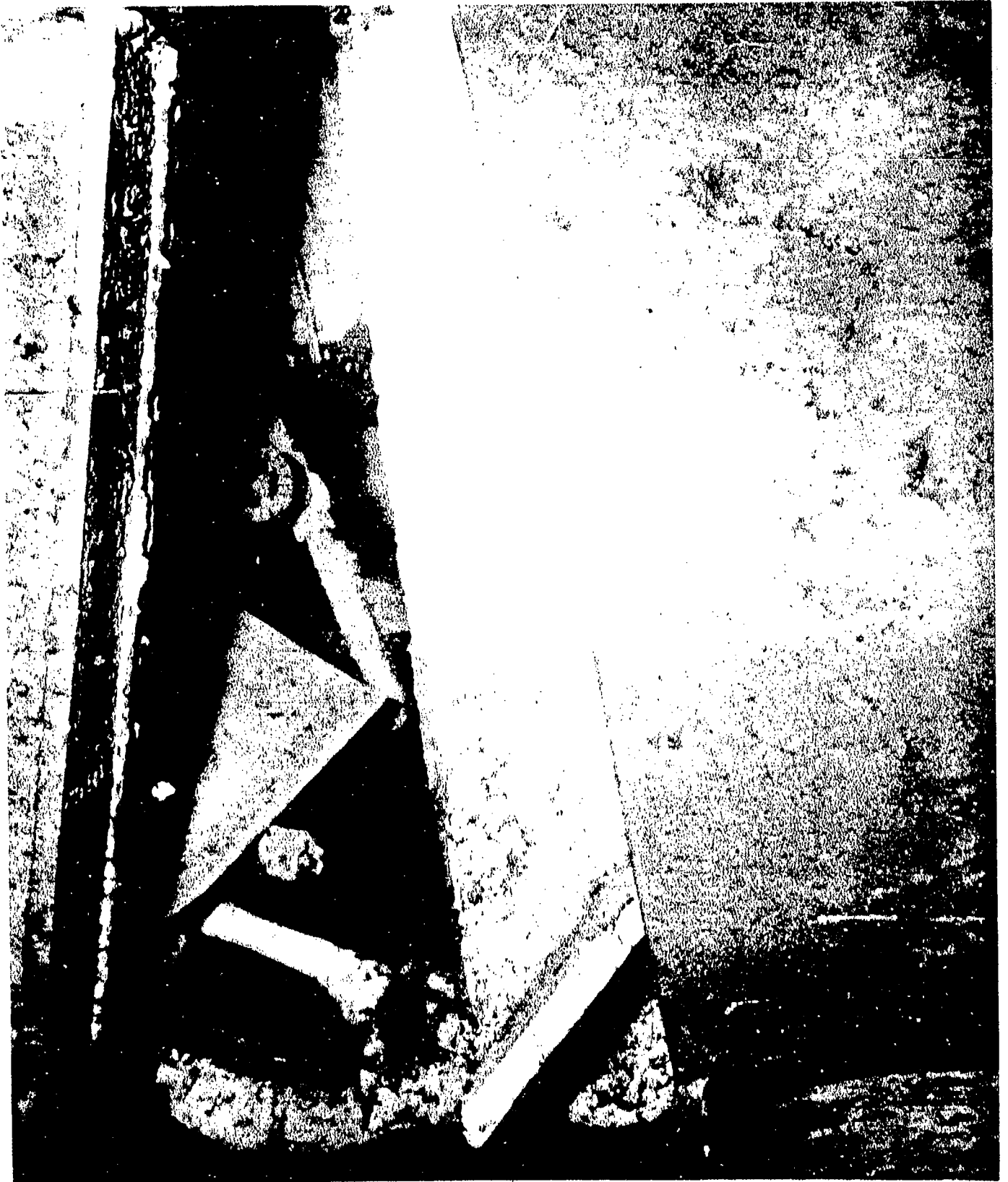
AA-CR-59-2223-1. Flight deck Bent 71, port side. Failure of welded overhead connection showing tear in weld and web of vertical member. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 353 of 766 Pages

9625

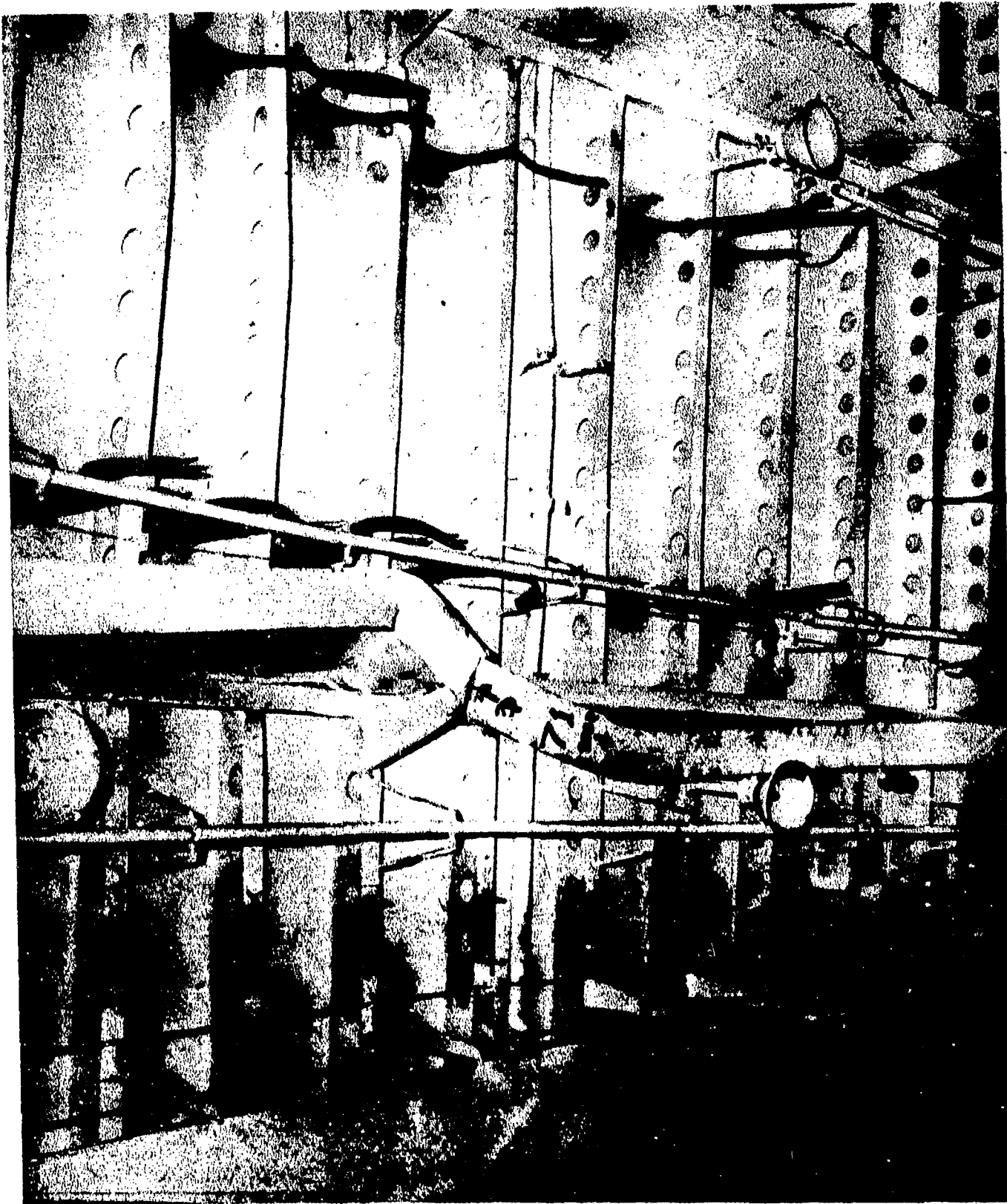


AA-CR-100-165-7. Flight deck Bent 71, port side. Failure of weld in overhead connection. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)
Page 354 of 766 Pages

9625



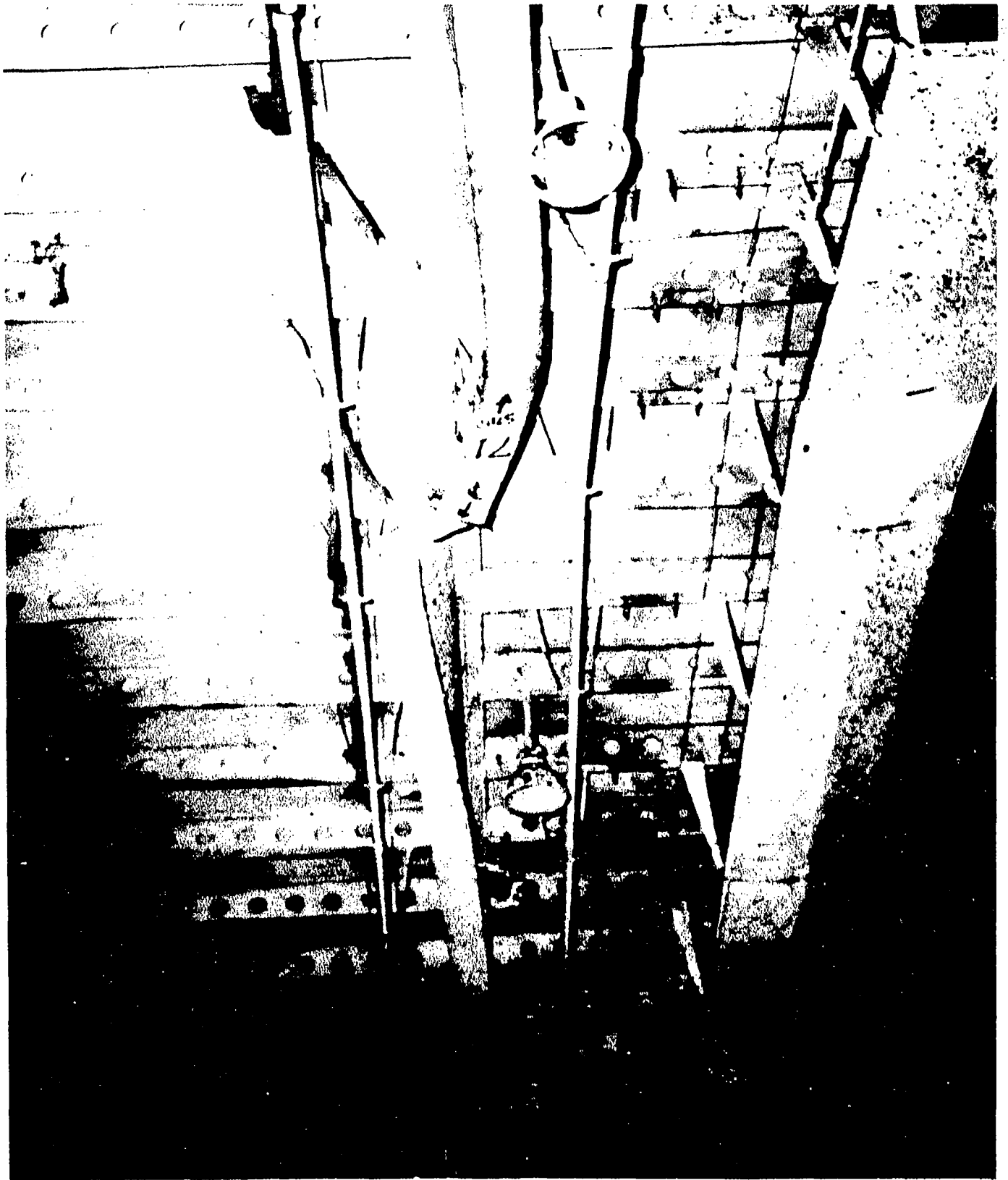
AA-CR-59-2224-2. Flight deck Bent 71, looking to starboard. Deformed transverse girder and fracture of weld in girder flange, at centerline.

SECRET

USS INDEPENDENCE (CVL22)

Page 355 of 766 Pages

9625



AA-CR-100-4162-8. Flight deck Bent 71, centerline, showing buckling and failure at welded butt. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)
Page 356 of 766 Pages

9625

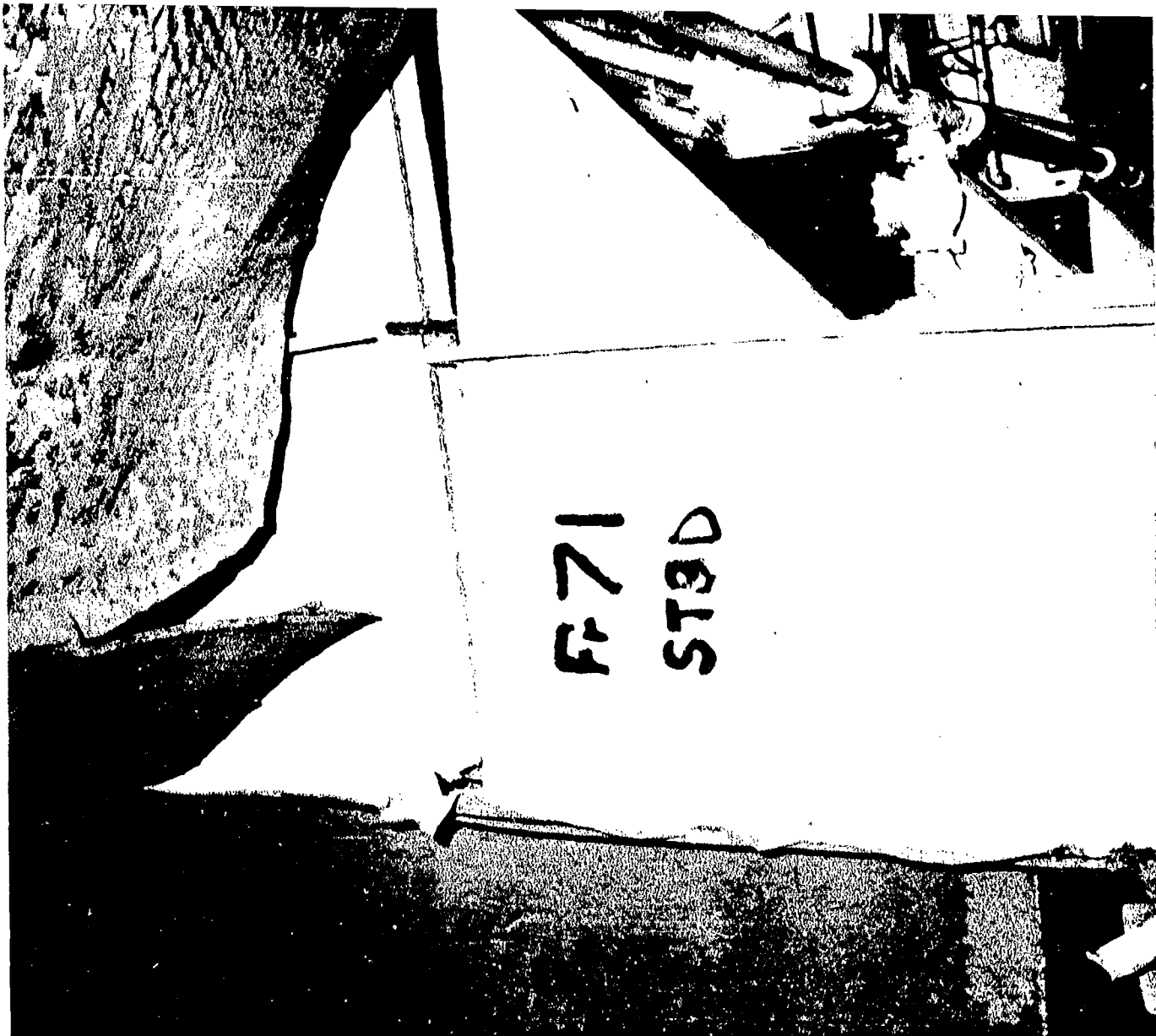


AA-CR-59-2226-11. Flight deck Bent 71, centerline. Buckling and failure at welded butt. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 357 of 766 Pages

9625



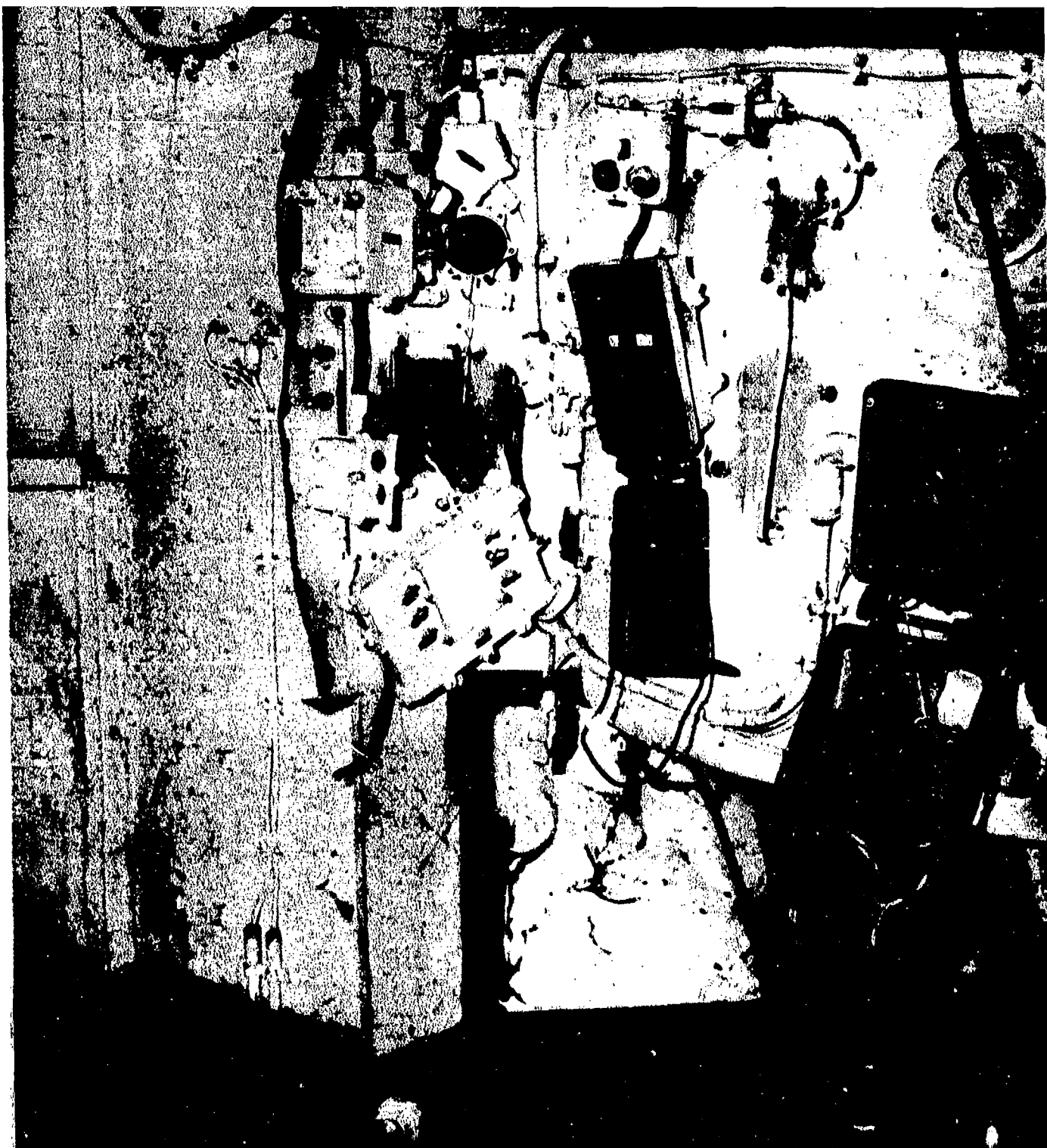
AA-CR-59-4148-10. Flight deck Bent 71, starboard side, showing weld failure at overhead connection. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 358 of 766 Pages

9625



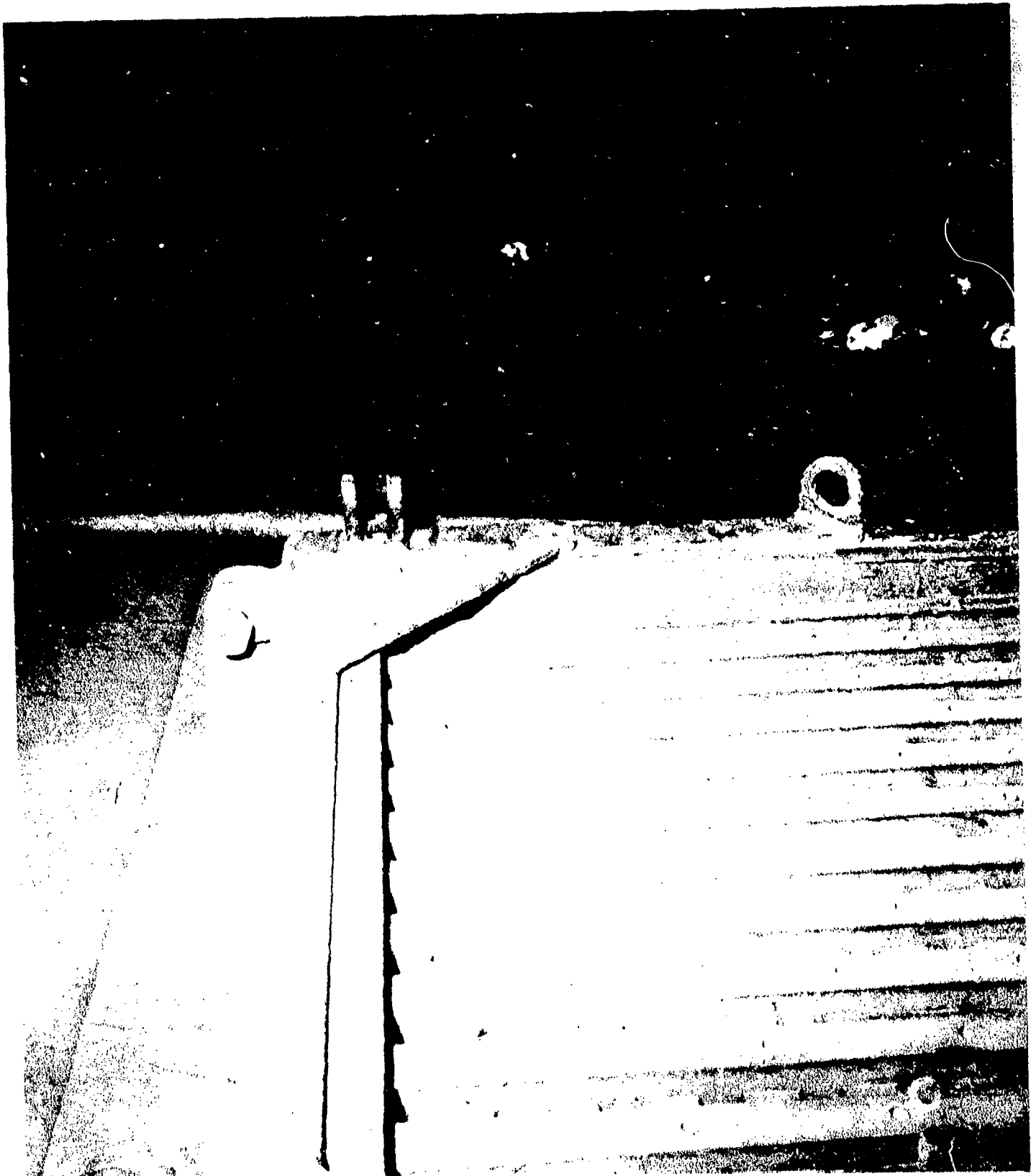
AB-CR-80-4186-5. After Baker - Flight deck Bent 71, starboard bottom, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 359 of 766 Pages

9625



AA-CR-100-4160-6. Flight deck Bent 71, looking up outboard face from main deck. Note backward bend at top.

SECRET

USS INDEPENDENCE (CVL22)

Page 360 of 766 Pages

9625



AA-CR-100-4160-5. Starboard outboard side of Bent 71, showing warping of aft flange of Bent, and paint blisters (in general vicinity of scar on platform).

SECRET

USS INDEPENDENCE (CVL22)

Page 361 of 766 Pages

9625



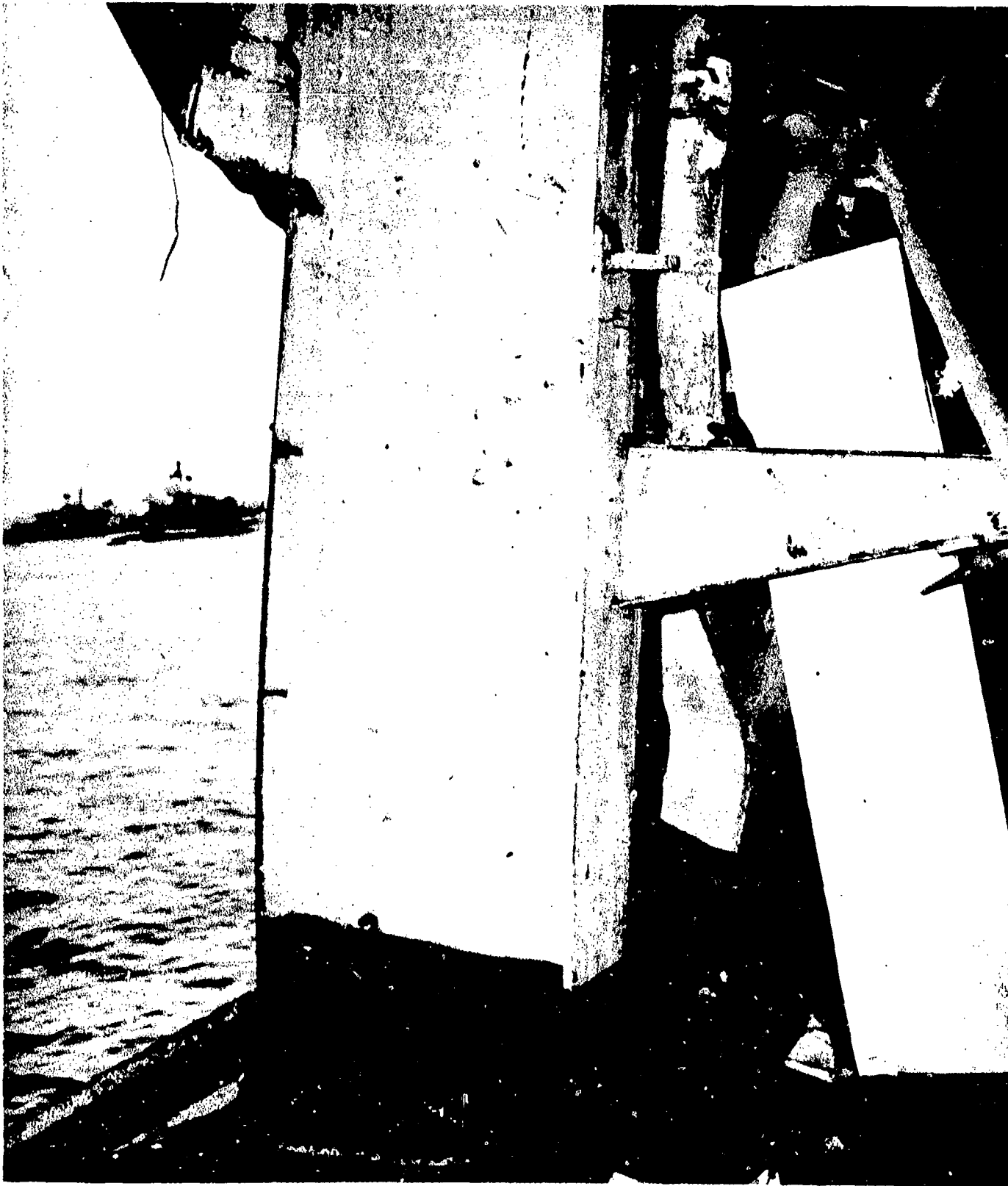
AA-CR-175-2131-3. Hangar deck, port side, foot of Bent 74, showing tear in stringer.

SECRET

USS INDEPENDENCE (CVL22)

Page 362 of 766 Pages

9625



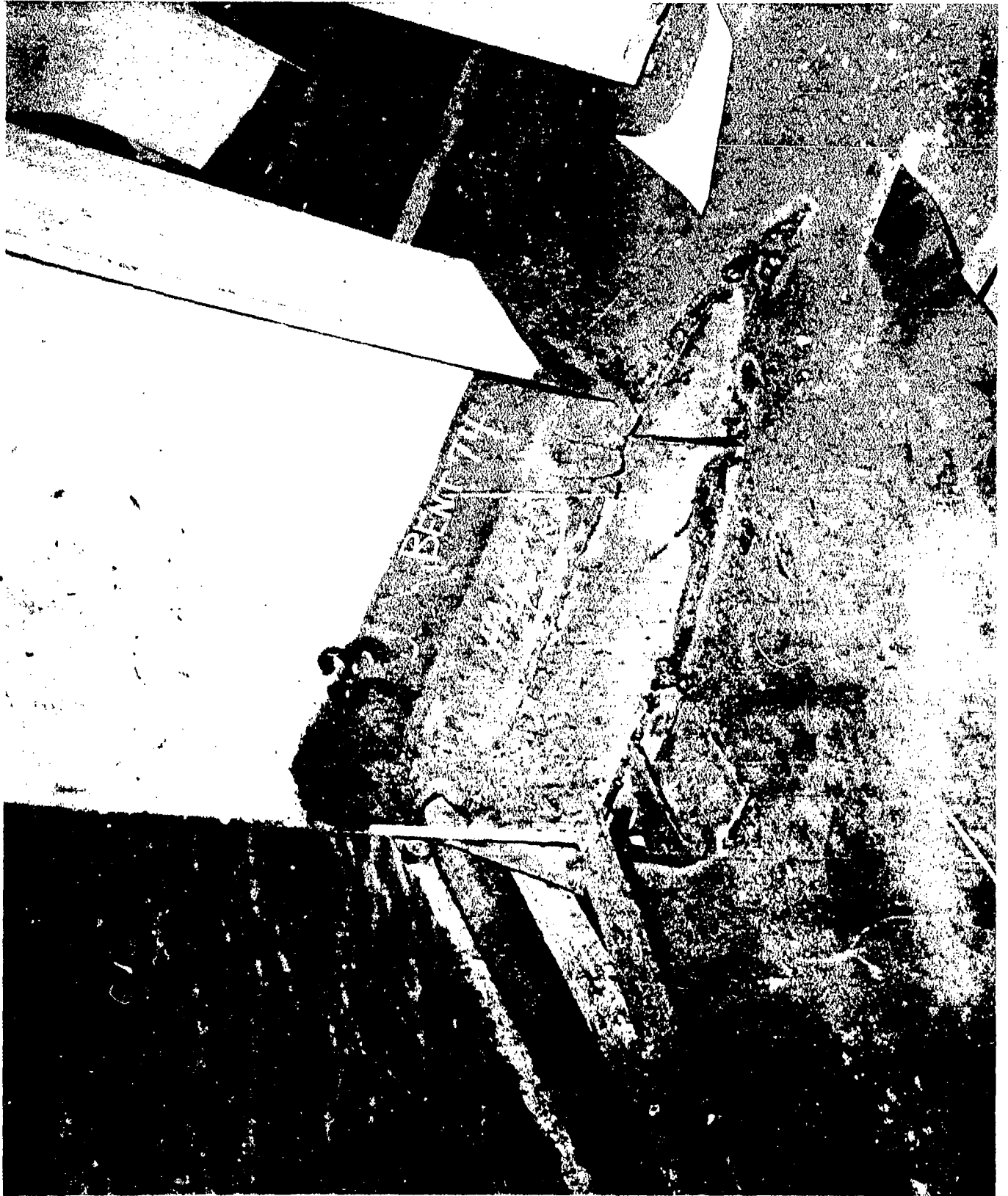
AA-CR-80-4186-6. After Baker - Flight deck Bent 74, port bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 363 of 766 Pages

9625



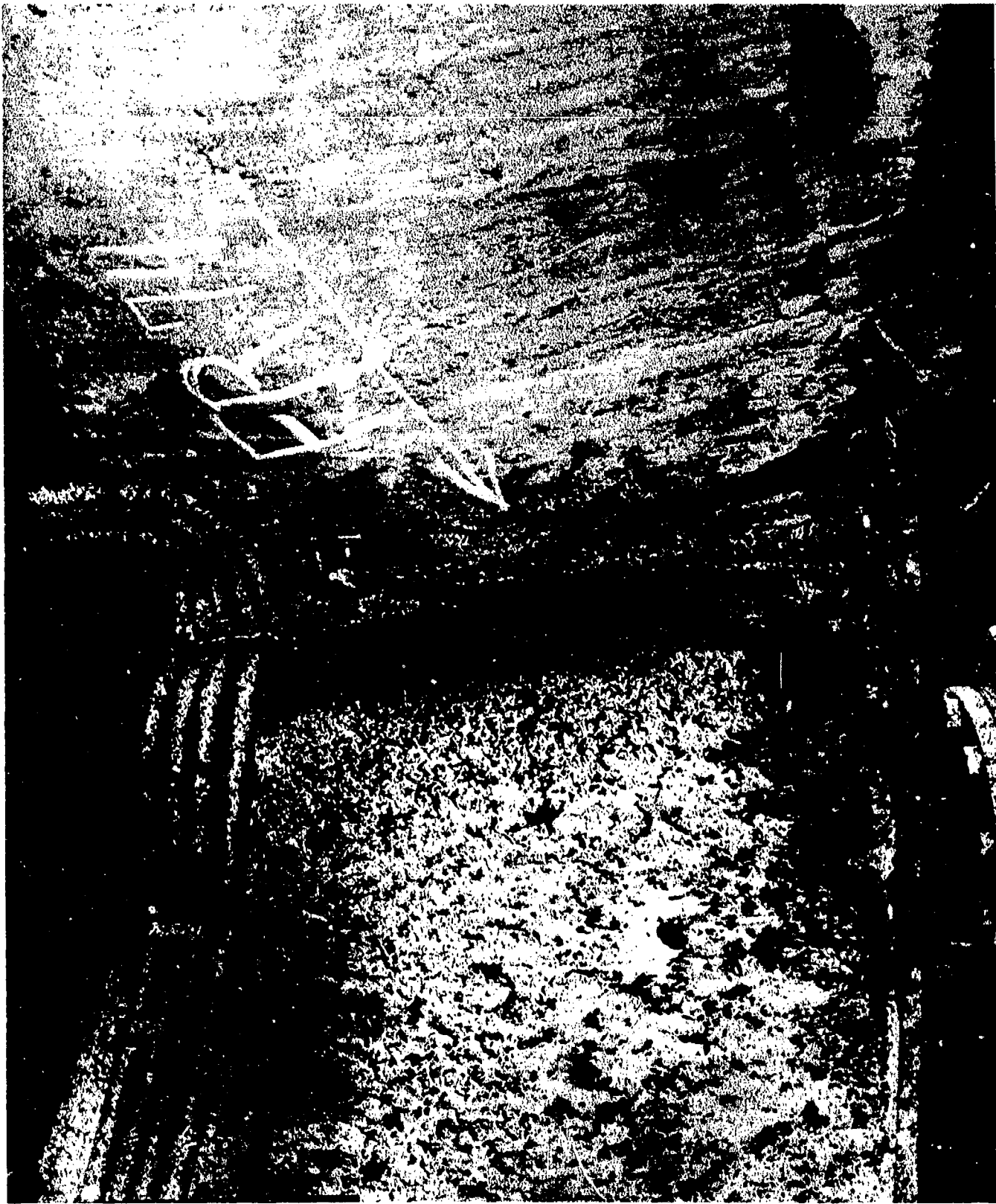
AA-CR-59-2223-4. Hangar deck, port side, detail at foot of Bent 74, looking forward. Note tear in bulwark and stringer plating which has been made partially tight by ship's force.

SECRET

USS INDEPENDENCE (CVL22)

Page 364 of 766 Pages

9625



AA-CR-59-2223-2. Bent 74, Flight deck girder, port side, looking aft. Showing buckled web and upper flange. Failures shown are in light fore and aft plating marked "Frame 74".

SECRET

USS INDEPENDENCE (CVL22)

Page 365 of 766 Pages

9625



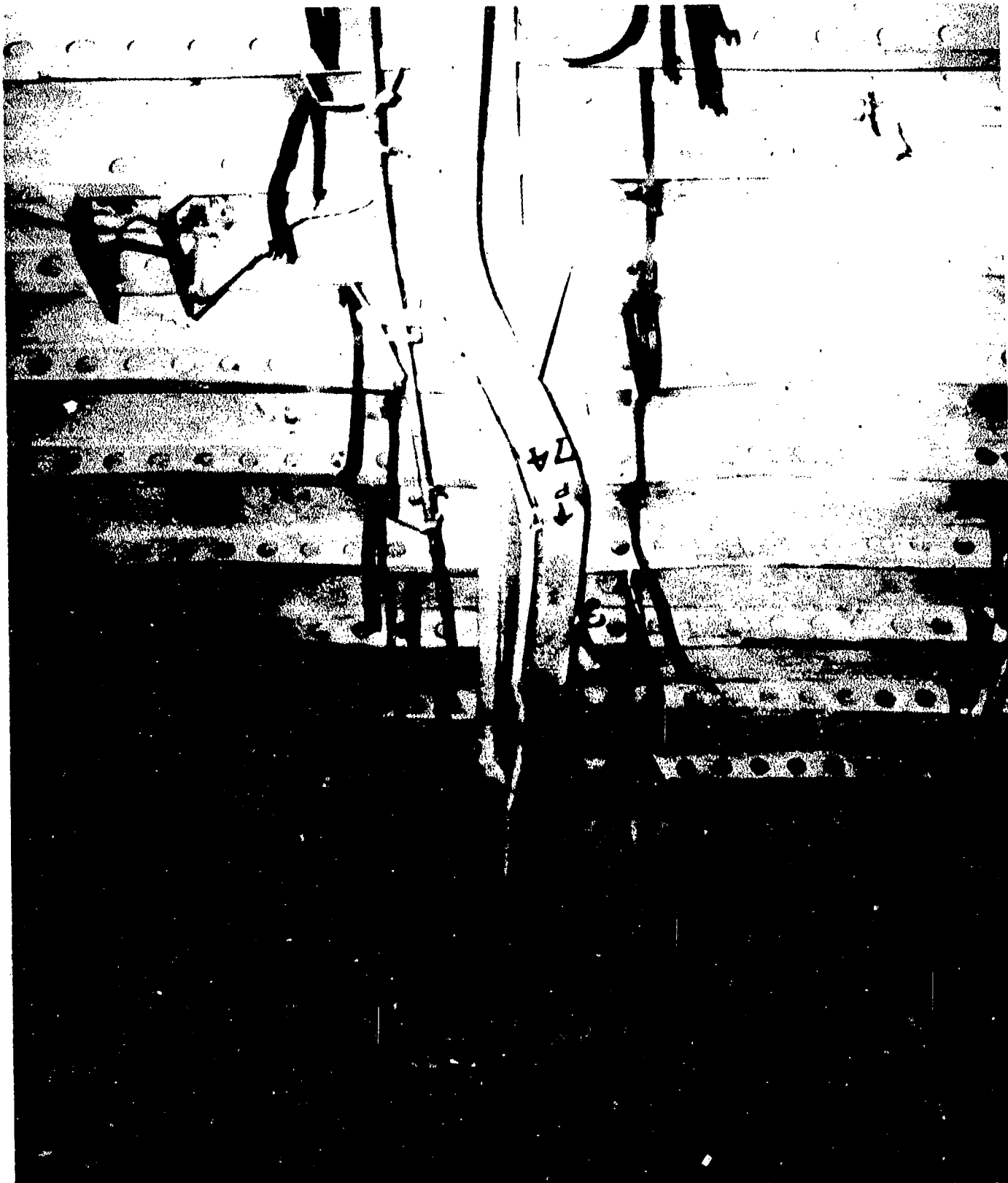
AA-CR-59-2226-9. Flight deck Bent 74, looking forward, showing tear in girder to port of centerline.

SECRET

Page 366 of 766 Pages

USS INDEPENDENCE (CVL22)

9625

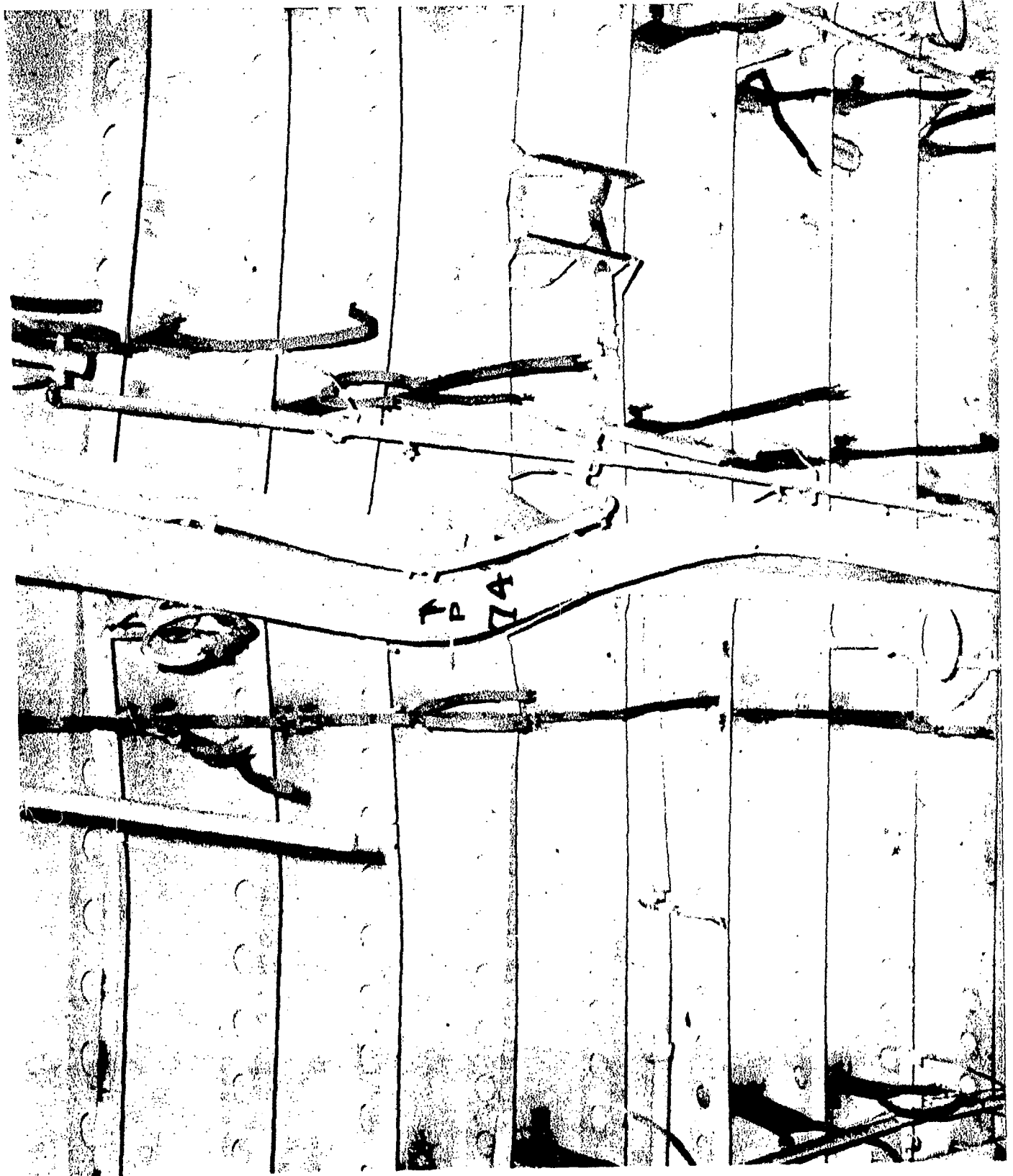


AA-CR-100-4162-9. Flight deck Bent 74, centerline, showing deformation. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)
Page 367 of 766 Pages

9625



AA-CR-59-2224-3. Flight deck Bent 74, showing deformation at centerline. Looking starboard.

SECRET

USS INDEPENDENCE (CVL22)
Page 368 of 766 Pages

9625



AA-CR-59-2223-3. Flight deck Bent 74, port of centerline, showing broken welds and separation between transverse girder and deck longitudinals. Looking starboard and aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 369 of 766 Pages

9625

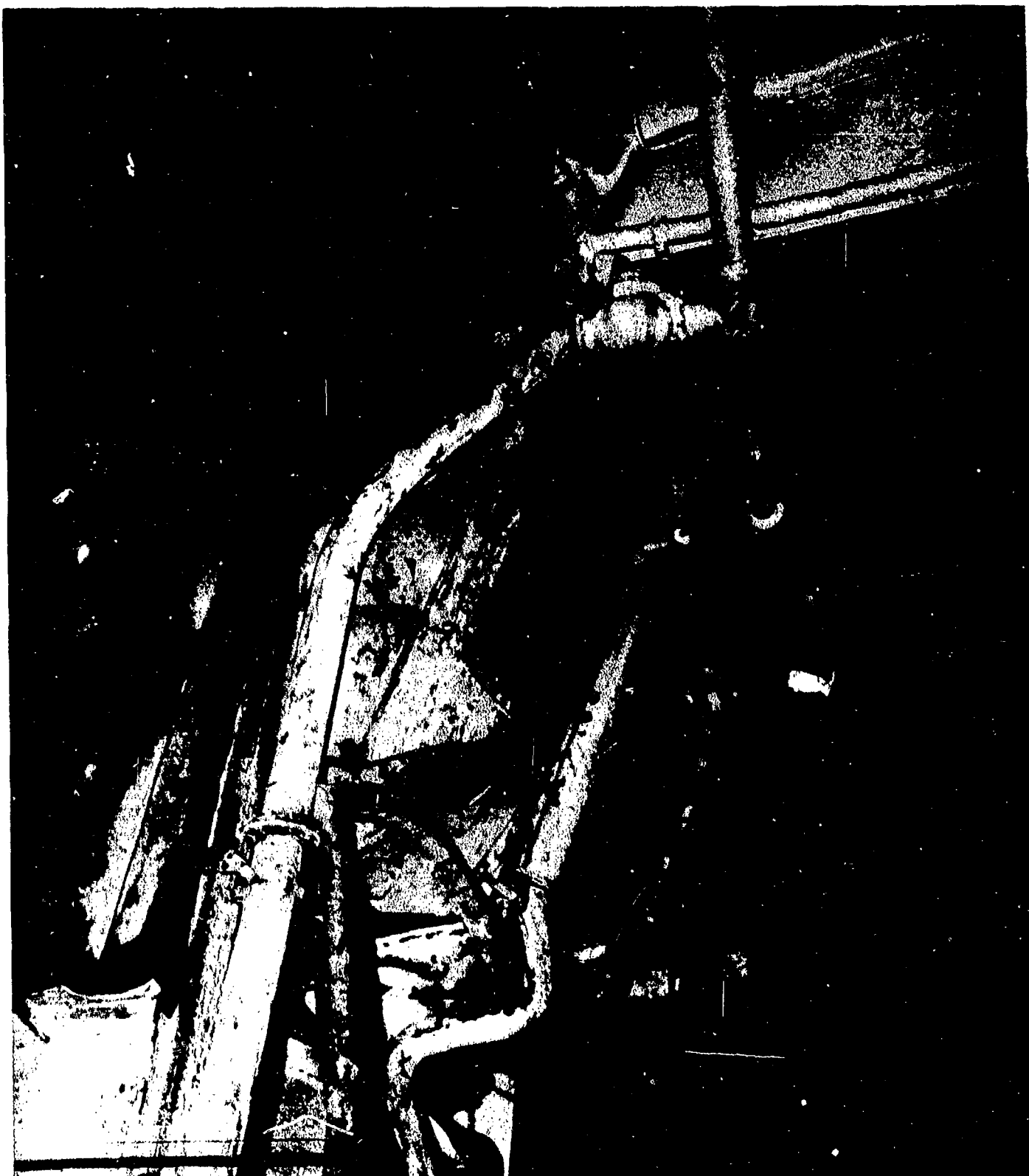


AA-CR-59-4148-11. Flight deck Bent 74, starboard side, showing failure adjacent to weld. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 370 of 766 Pages

9625



AA-CR-80-4186-12. After Baker - Flight deck Bent 74, port top, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 371 of 766 Pages

9625



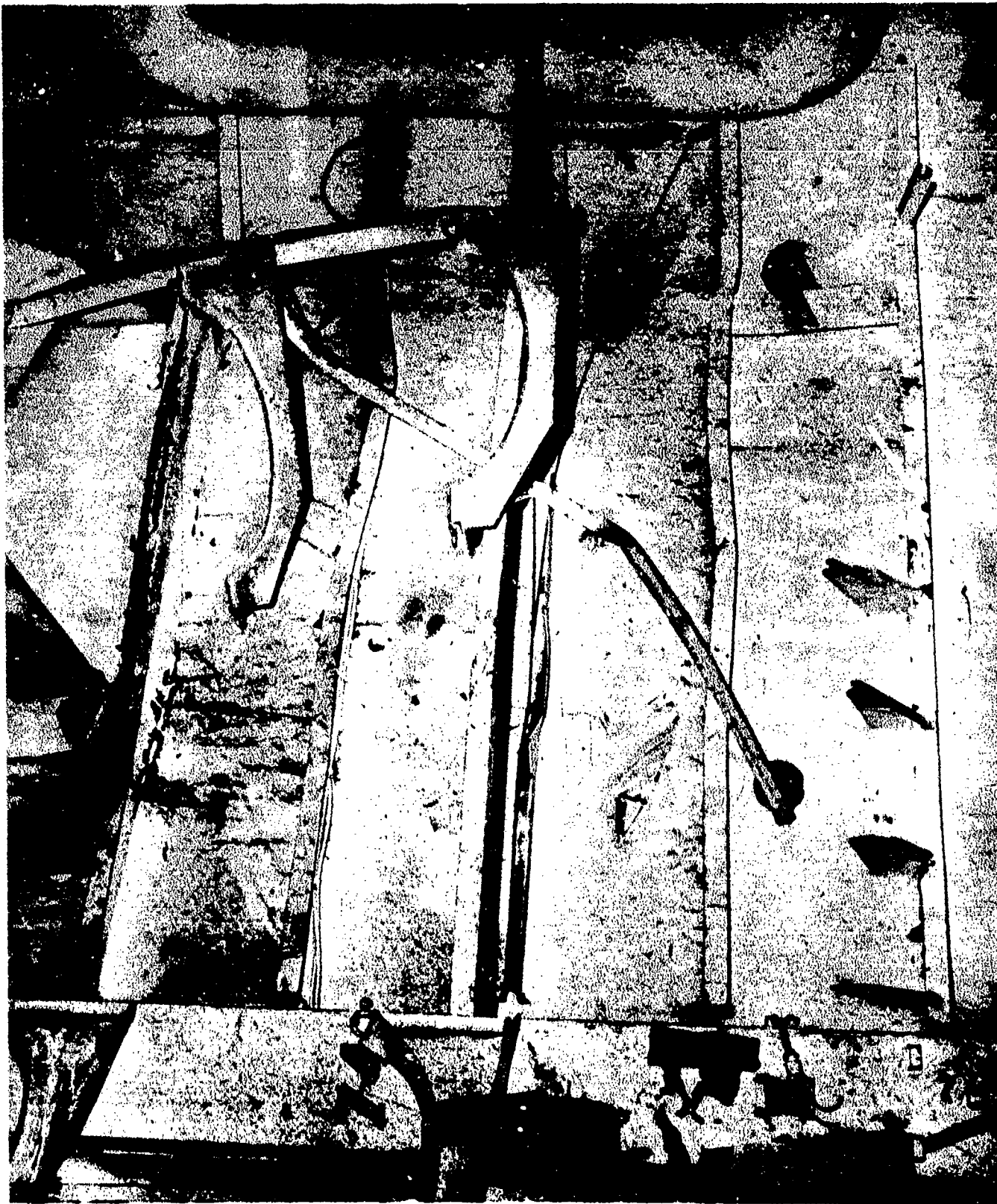
AA-CR-17b-2131-2. Flight deck Bent 74, starboard side, showing failure adjacent to weld. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 372 of 766 Pages

9625



AA-CR-59-2113-8. Hangar siding, starboard side, showing deformation of intermittently welded stiffeners. Looking toward starboard. Bents 74-77.

SECRET

USS INDEPENDENCE (CVL22)

Page 373 of 766 Pages

9625



AA-CR-80-4186-7. After Baker - Flight deck Bent 74, starboard bottom, looking forward.

SECRET

Page 374 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



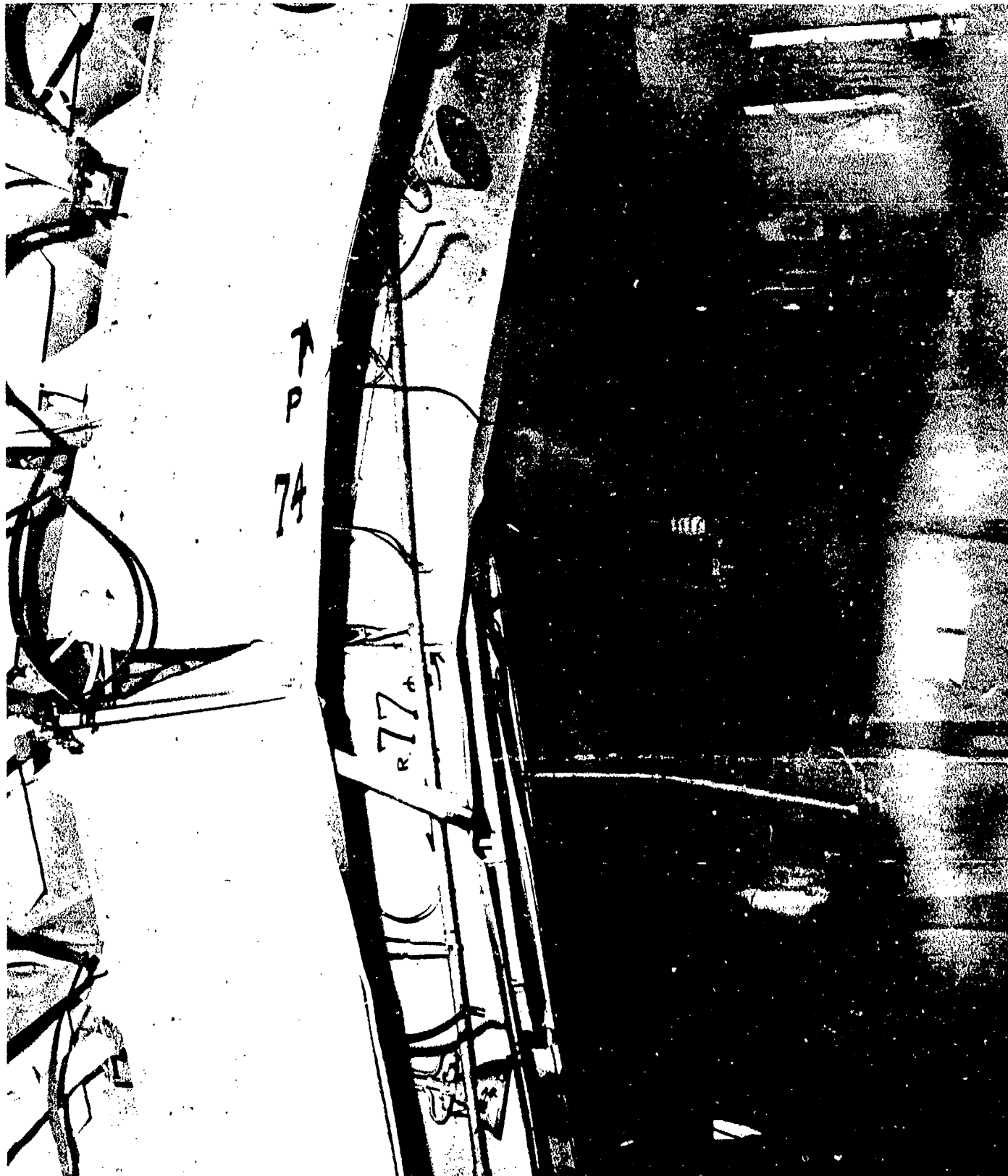
AA-CR-175-2119-2. Flight deck Bents 74 and 77, showing deformation and fractured welds and separation of transverse girders from deck longitudinals. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 375 of 766 Pages

9625



AA-CR-59-2227-3. Flight deck Bent 74, showing failure of upper flange at centerline and adjacent to weld. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)
Page 376 of 766 Pages

9625



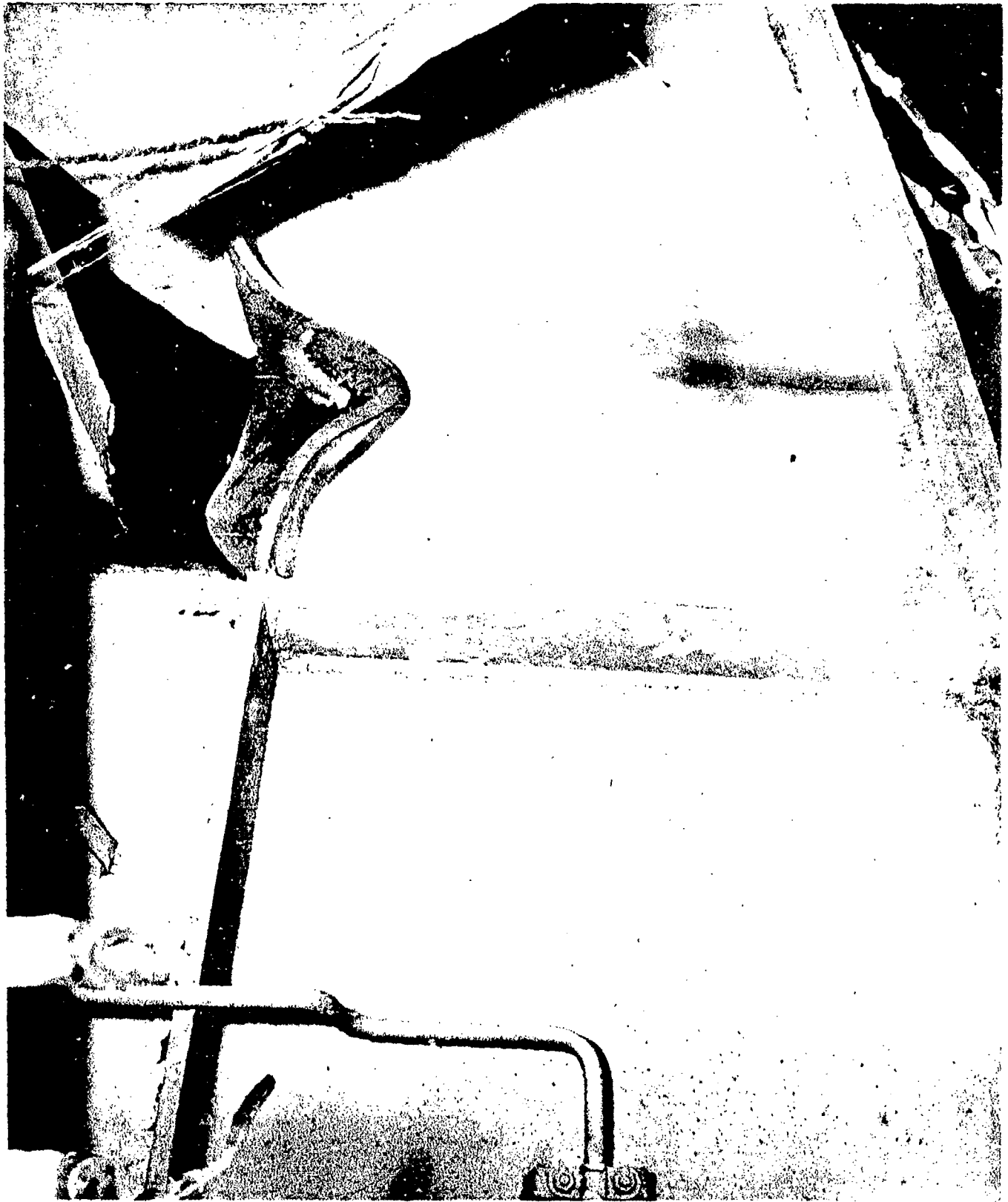
AA-CR-80-4186-8. After Baker - Flight deck Bent 77, port bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 377 of 766 Pages

9625



AA-CR-59-2223-5. Flight deck Bent 77. Upper port corner, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 378 of 766 Pages

9625



AA-CR-65-1735-12. Under side of flight deck, showing warping of Bent girder 77 at centerline. Looking to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 379 of 766 Pages

9625



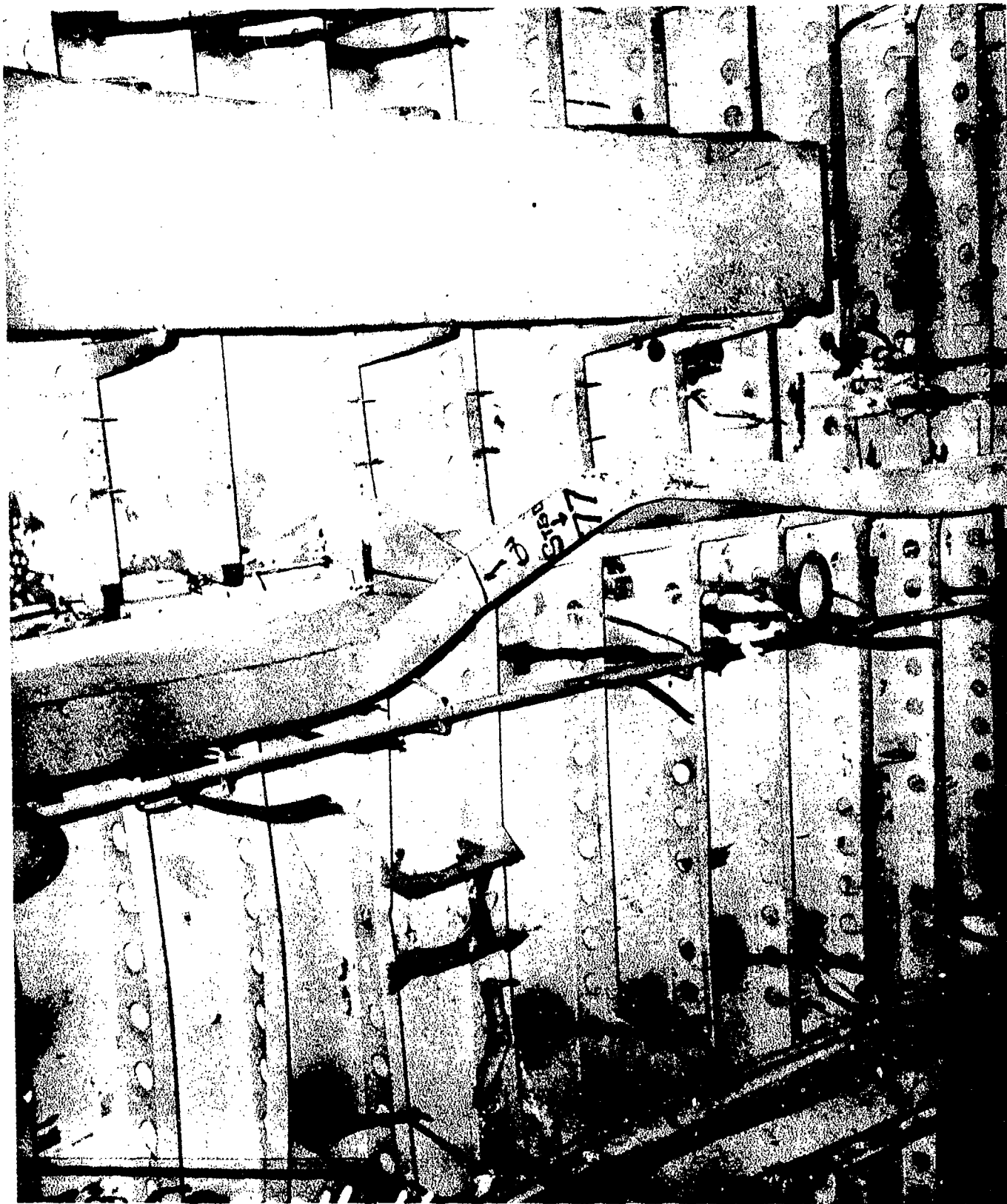
AA-CR-100-4162-10. Flight deck Bent 77, showing deformation of transverse girder at centerline. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 380 of 766 Pages

9625



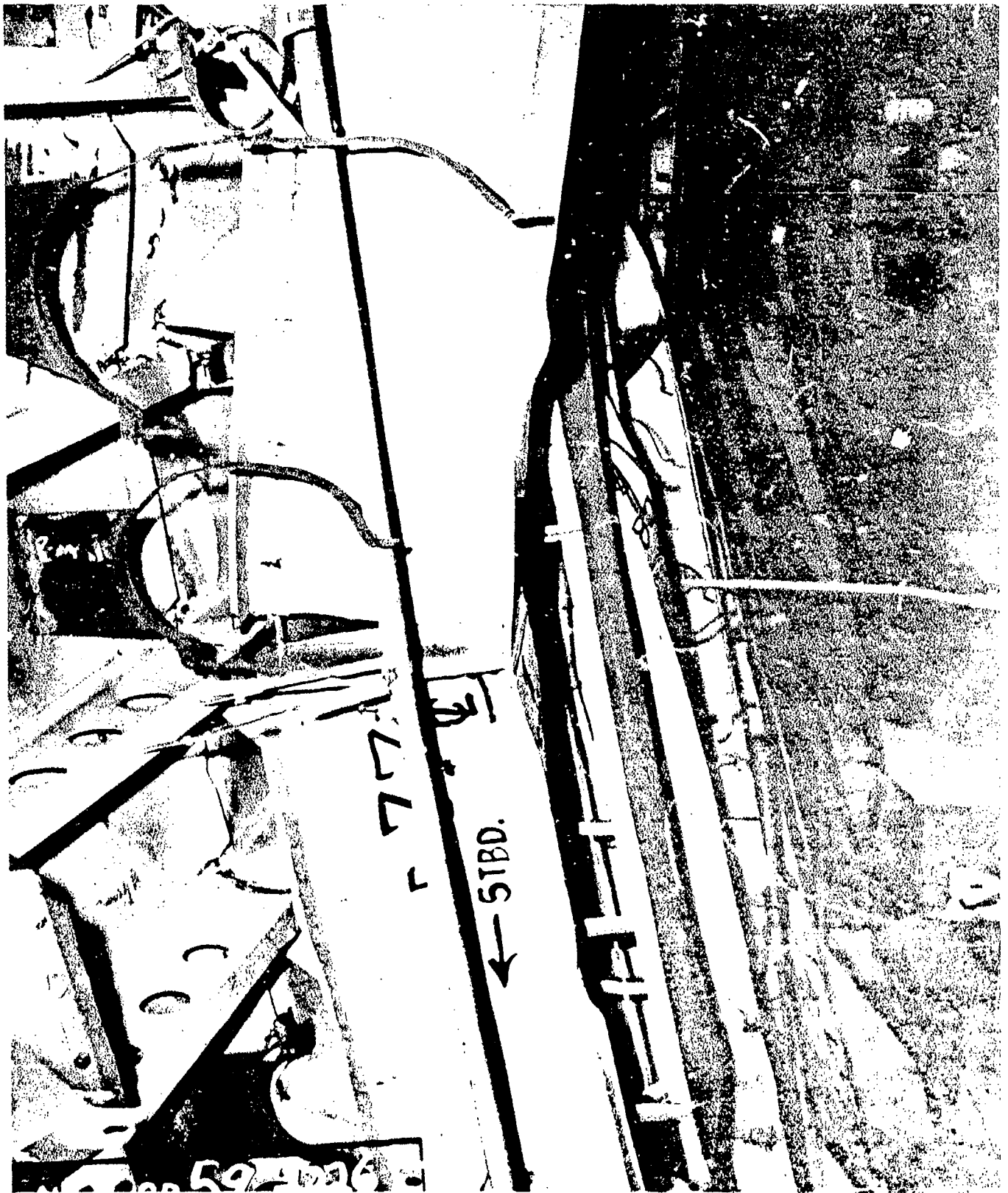
AA-CR-59-2224-4. Flight deck Bent 77, showing deformation and fracture adjacent to centerline butt weld. Looking to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 381 of 766 Pages

9625



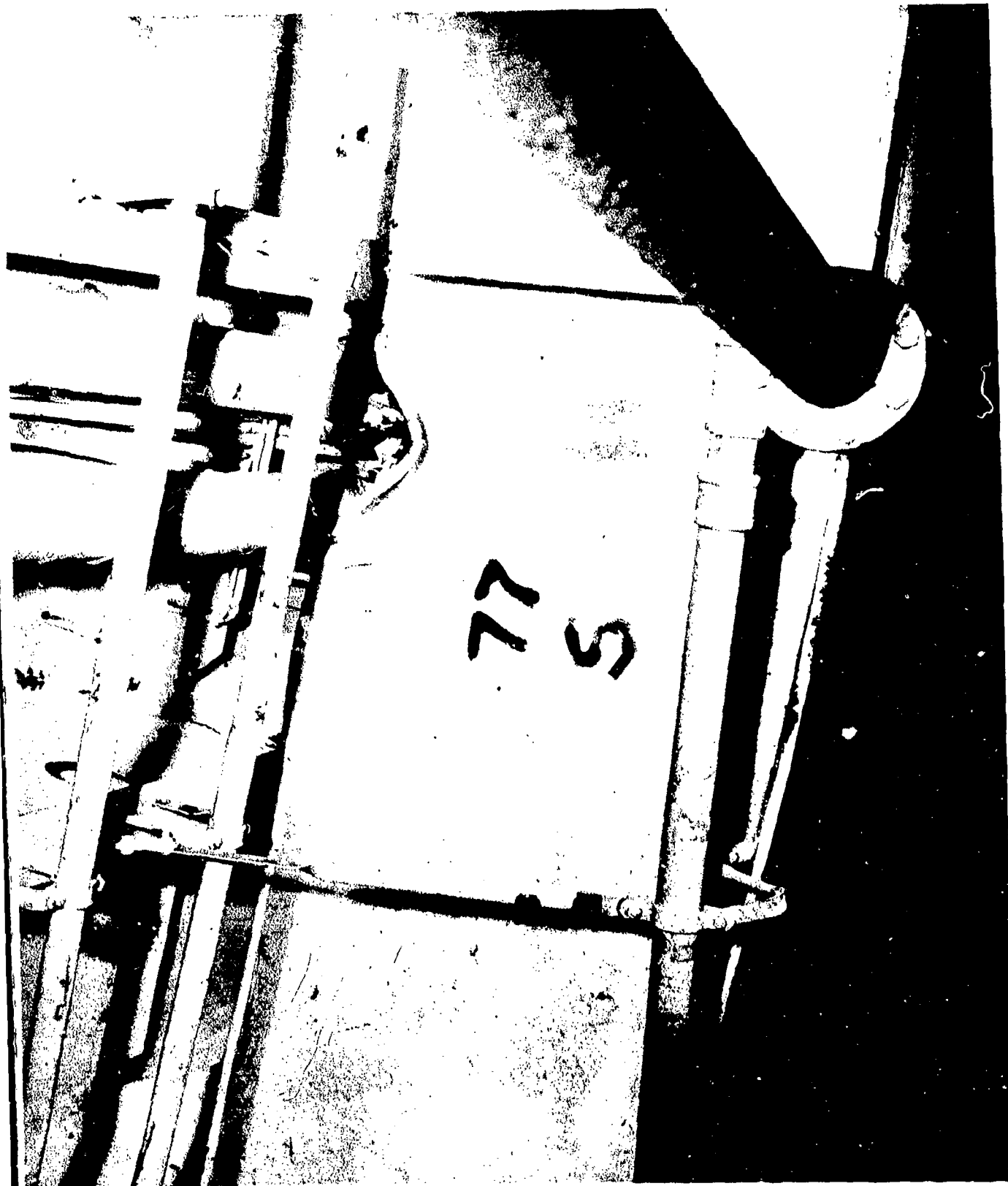
AA-CR-59-2226-10. Flight deck Bent 77, showing failure at centerline butt at upper flange and adjacent to weld. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 382 of 766 Pages

9625



AA-CR-59-4148-12. Flight deck Bent 77, starboard side, showing failure of transverse girder. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 383 of 766 Pages

9525



AA-CR-80-4186-9. After Baker - Flight deck Bent 77, Starboard bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 384 of 766 Pages

9625



AA-CR-175-2039-7. General view in vicinity of flight deck Bent 77-80, starboard side. Airplane engine blown into intake plating.

SECRET

USS INDEPENDENCE (CVL22)

Page 385 of 766 Pages

9625



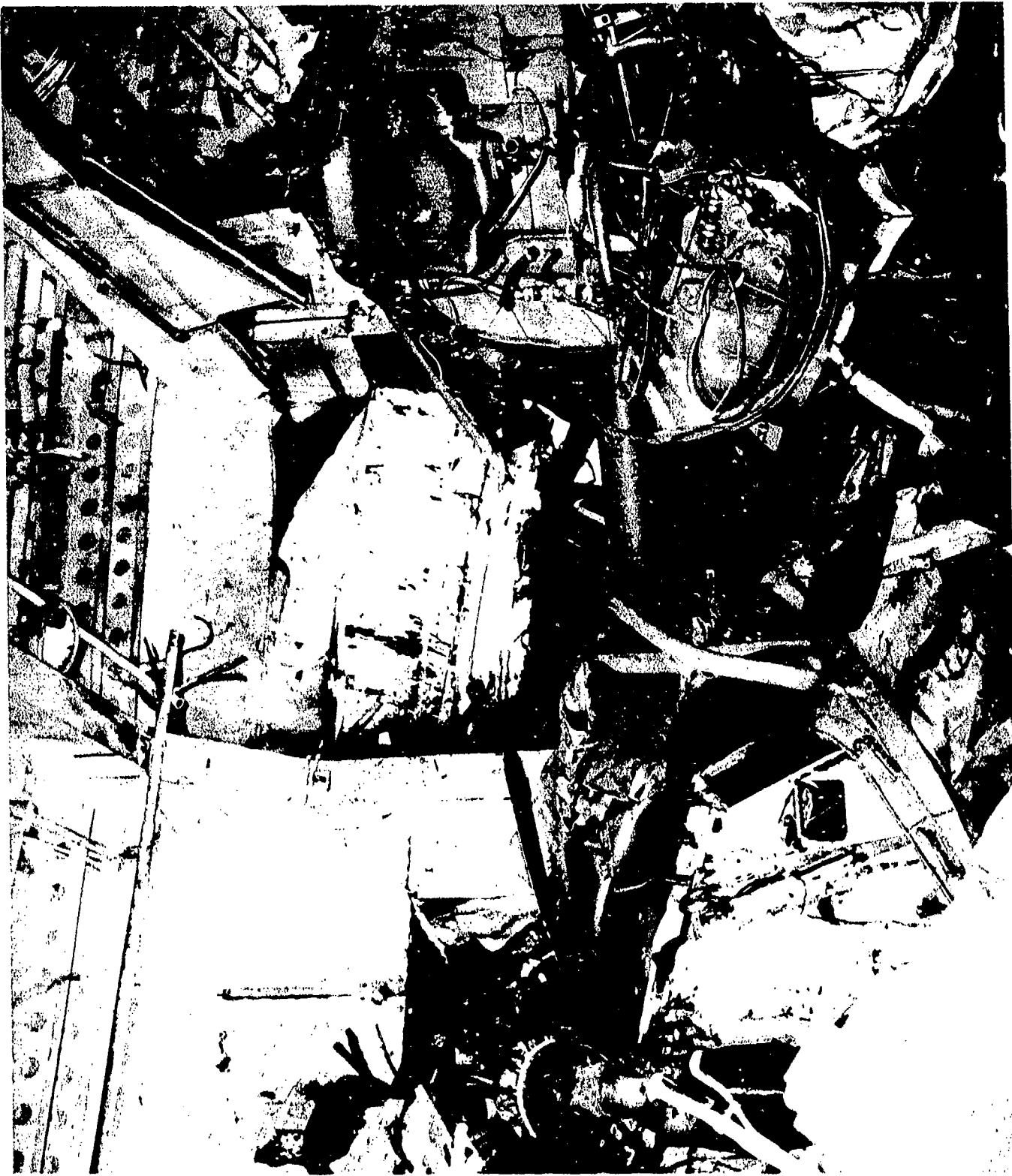
AA-CR-4160-7. Outboard view of panel plating between Bents 77-80.
Looking inboard and aft from starboard side.

SECRET

USS INDEPENDENCE (CVL22)

Page 386 of 766 Pages

9625



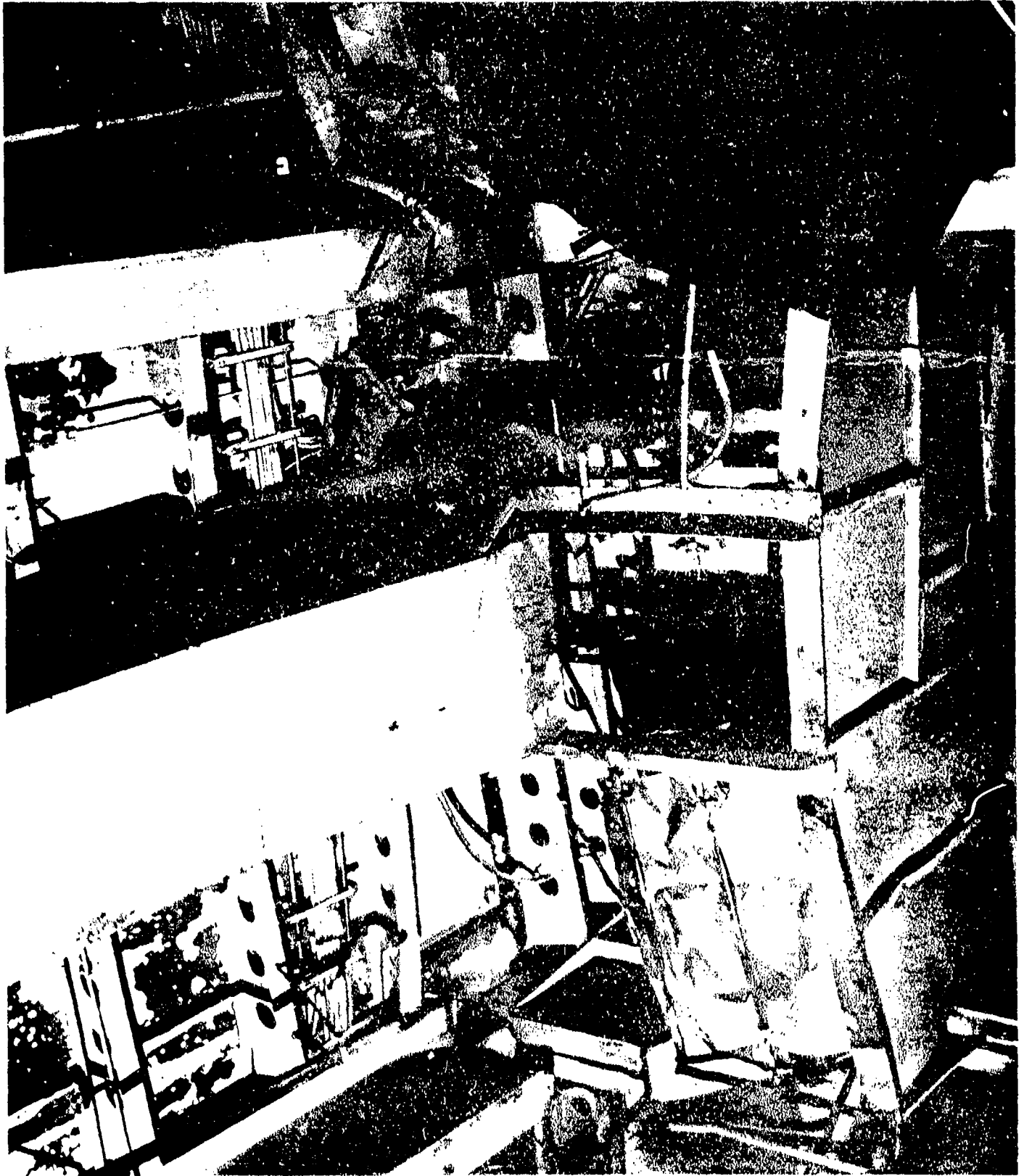
AA-CR-175-2039-8. Flight deck Bents 77 and 80, starboard side, showing failure of overhead connection of Bent 80 in fillet welds. Looking to starboard. Note separation of plane and engine.

SECRET

USS INDEPENDENCE (CVL22)

Page 387 of 766 Pages

9625



AA-CR-65-958-9. Underside of flight deck, Bents 77-80, showing control station port side. Note upward bow of control platform.

SECRET

USS INDEPENDENCE (CVL22)

Page 388 of 766 Pages

9625



AA-CR-59-2226-7. Piece of sheet metal molded over flight deck longitudinal, frame 79, starboard side.

SECRET

USS INDEPENDENCE (CVL22)

Page 389 of 766 Pages

9625



AA-CR-175-2131-4. Flight deck Bent 80, port side, looking forward from Bent 83.

SECRET

USS INDEPENDENCE (CVL22)
Page 390 of 766 Pages

9625



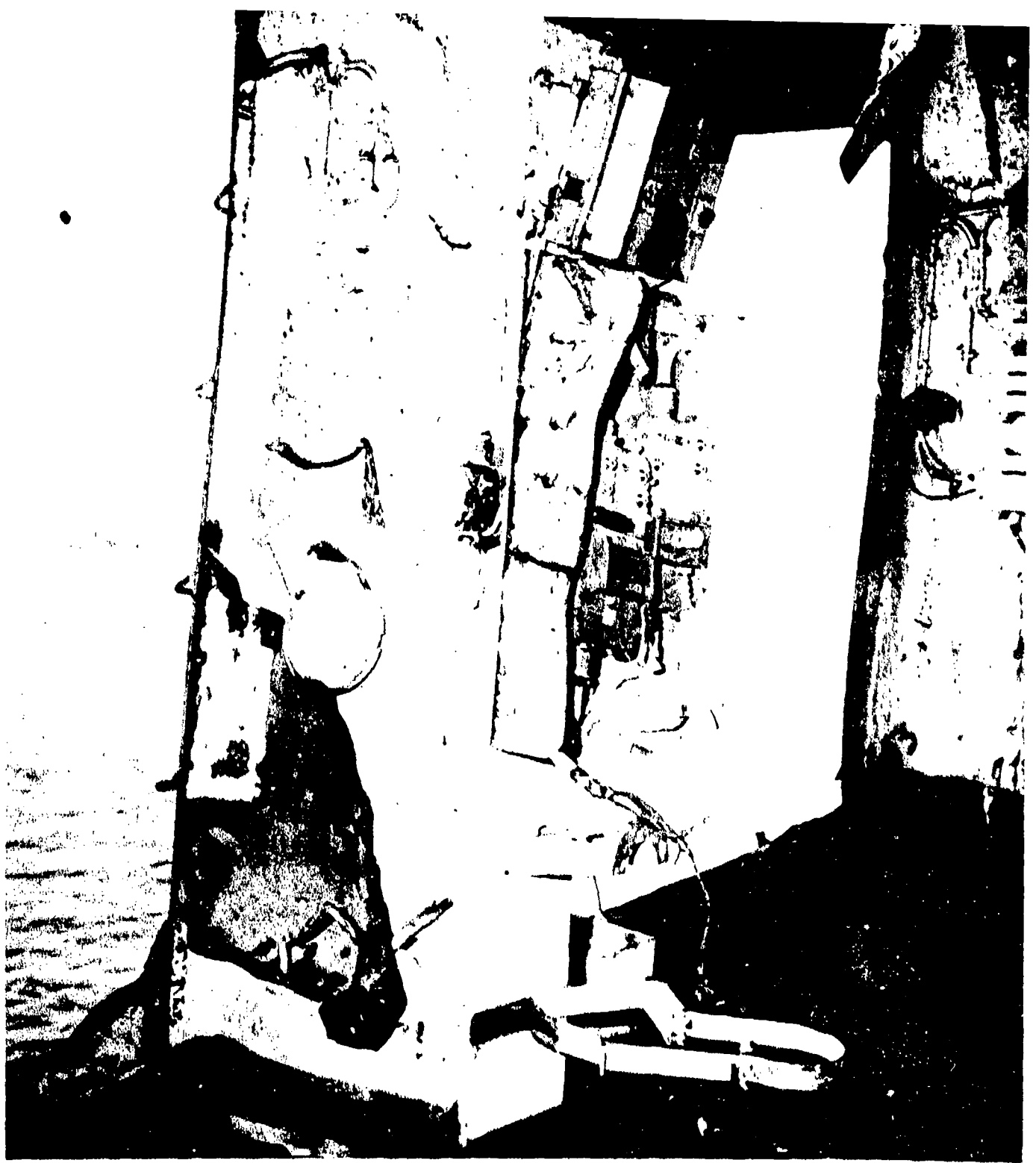
AB-CR-80-4186-11. After Baker - Flight deck Bent 80, starboard bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 391 of 766 Pages

9625



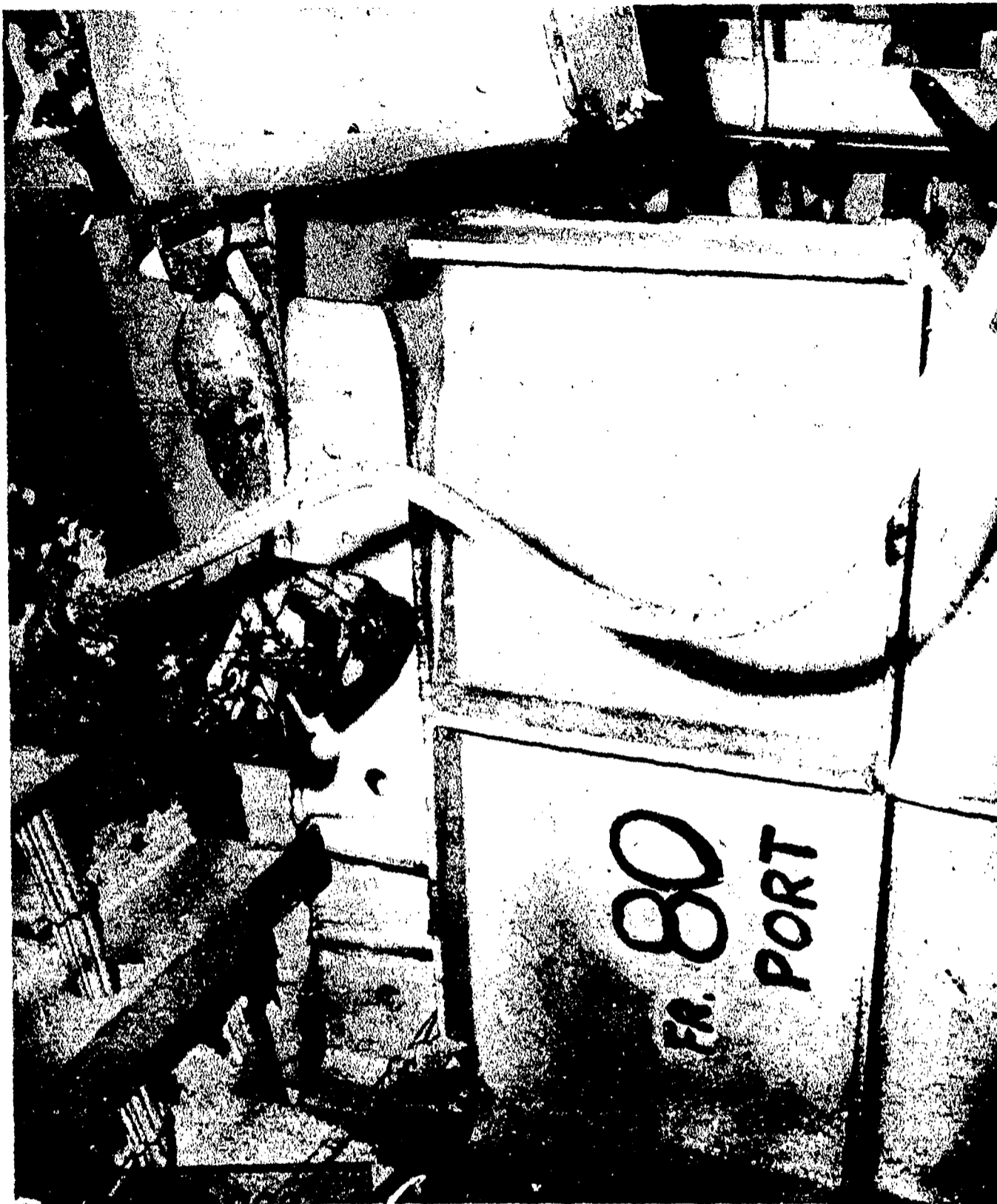
AB-CR-80-4186-10. After Baker - Flight deck Bent 80, port bottom, looking forward. -

SECRET

USS INDEPENDENCE (CVL22)

Page 392 of 766 Pages

9625



AA-CR-59-2223-6. Flight deck Bent 80, port side, showing failure of overhead connection adjacent to weld. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 393 of 766 Pages

9625



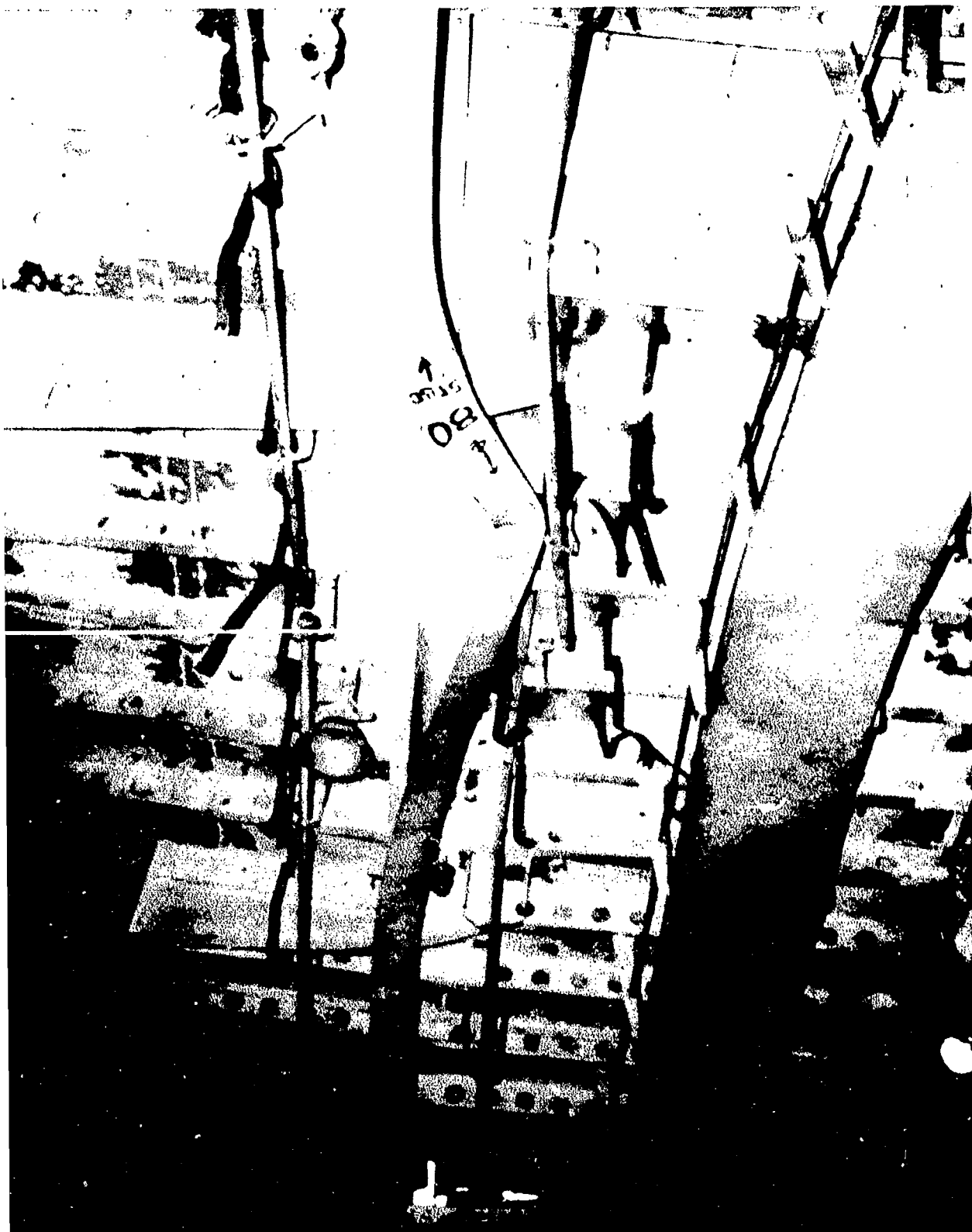
AA-CR-59-2226-8. Flight deck Bent 80, starboard side showing failure of overhead connection adjacent to weld and failure of welds connecting Bent to deck longitudinals. Looking aft.

SECRET

Page 394 of 766 Pages

USS INDEPENDENCE (CVL22)

9625

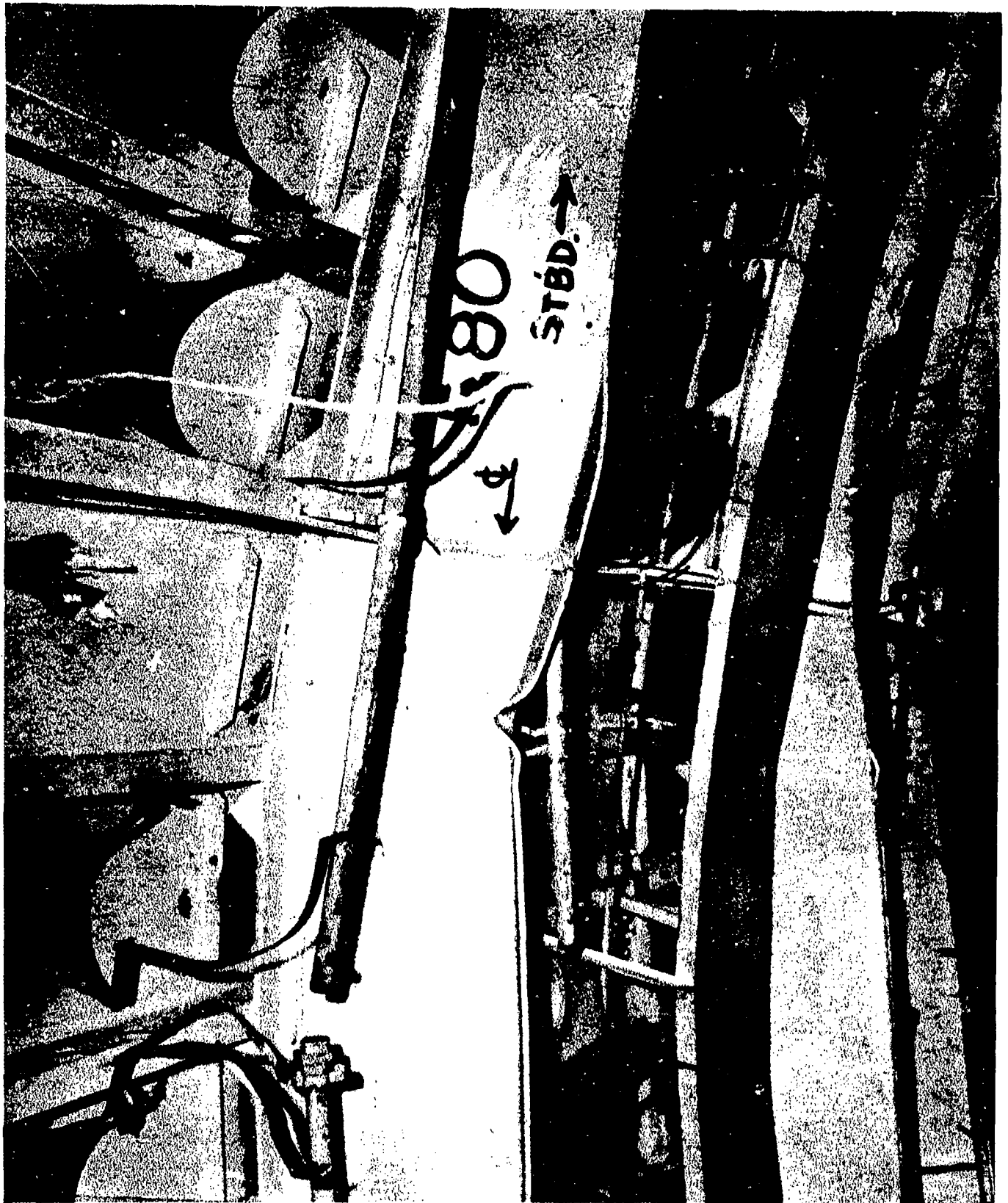


A-CR-100-4162-11. Flight deck Bent 80. Looking to port showing warping of girder.

SECRET

USS INDEPENDENCE (CVL22)
Page 395 of 766 Pages

9625

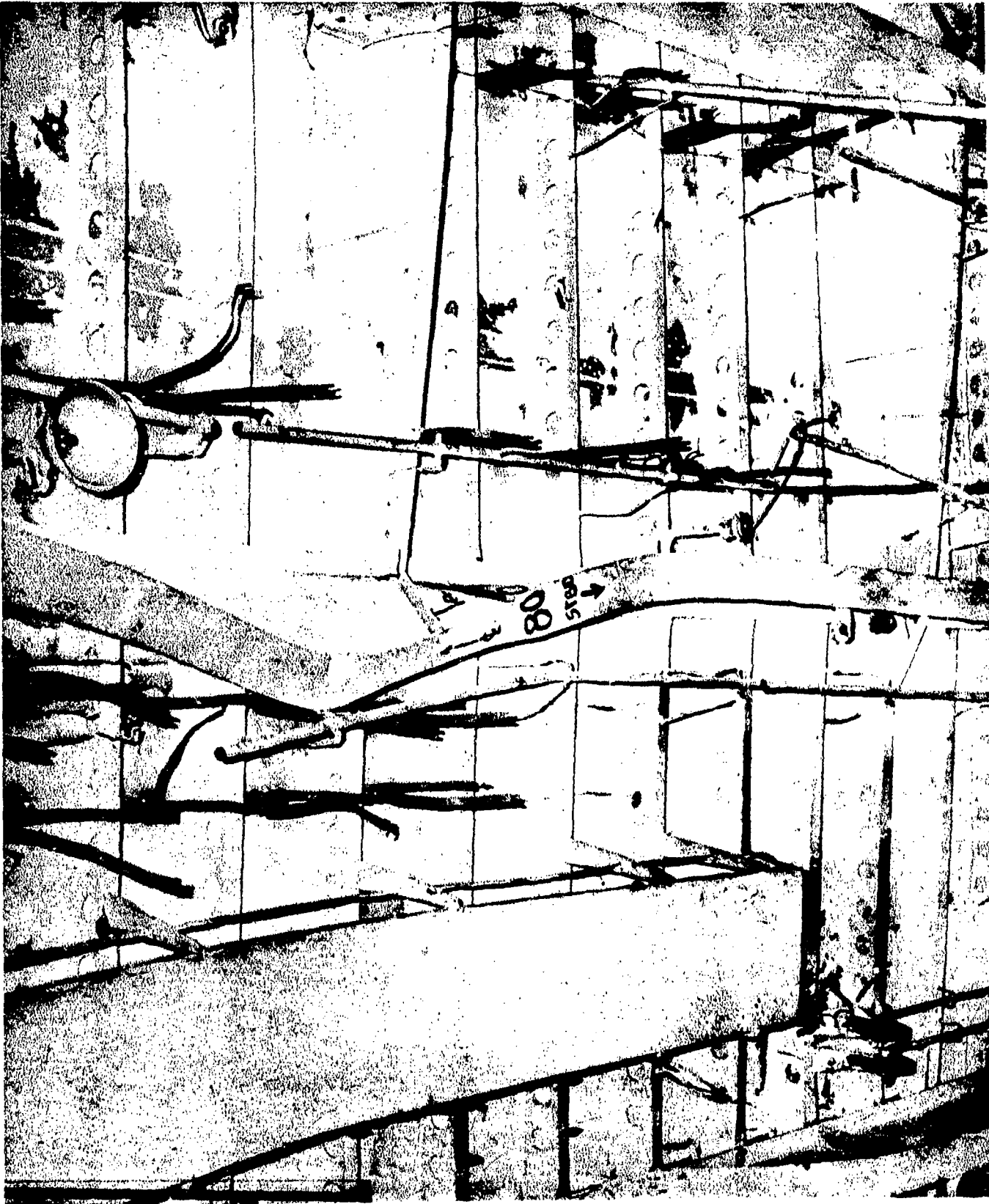


AA-CR-59-2225-8. Flight deck Bents 80-77-74, looking forward, showing distortion of centerline.

SECRET

USS INDEPENDENCE (CVL22)
Page 396 of 766 Pages

9625



AA-CR-59-2224-5. Flight deck Bent 80, looking to starboard, showing warping of girder at centerline.

SECRET

Page 397 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-59-4149-1. Flight deck Bent 80, starboard side, showing fracture of transverse girder adjacent to vertical fillet weld.

SECRET

Page 398 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-175-2119-1. Flight deck Bents 80 and 83, centerline, looking aft from frame 78.

SECRET

Page 399 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-59-2226-4. Remains of No. 3 uptake and Wobble Bent 83, starboard side.

SECRET

USS INDEPENDENCE (CVL22)
Page 400 of 766 Pages

9625

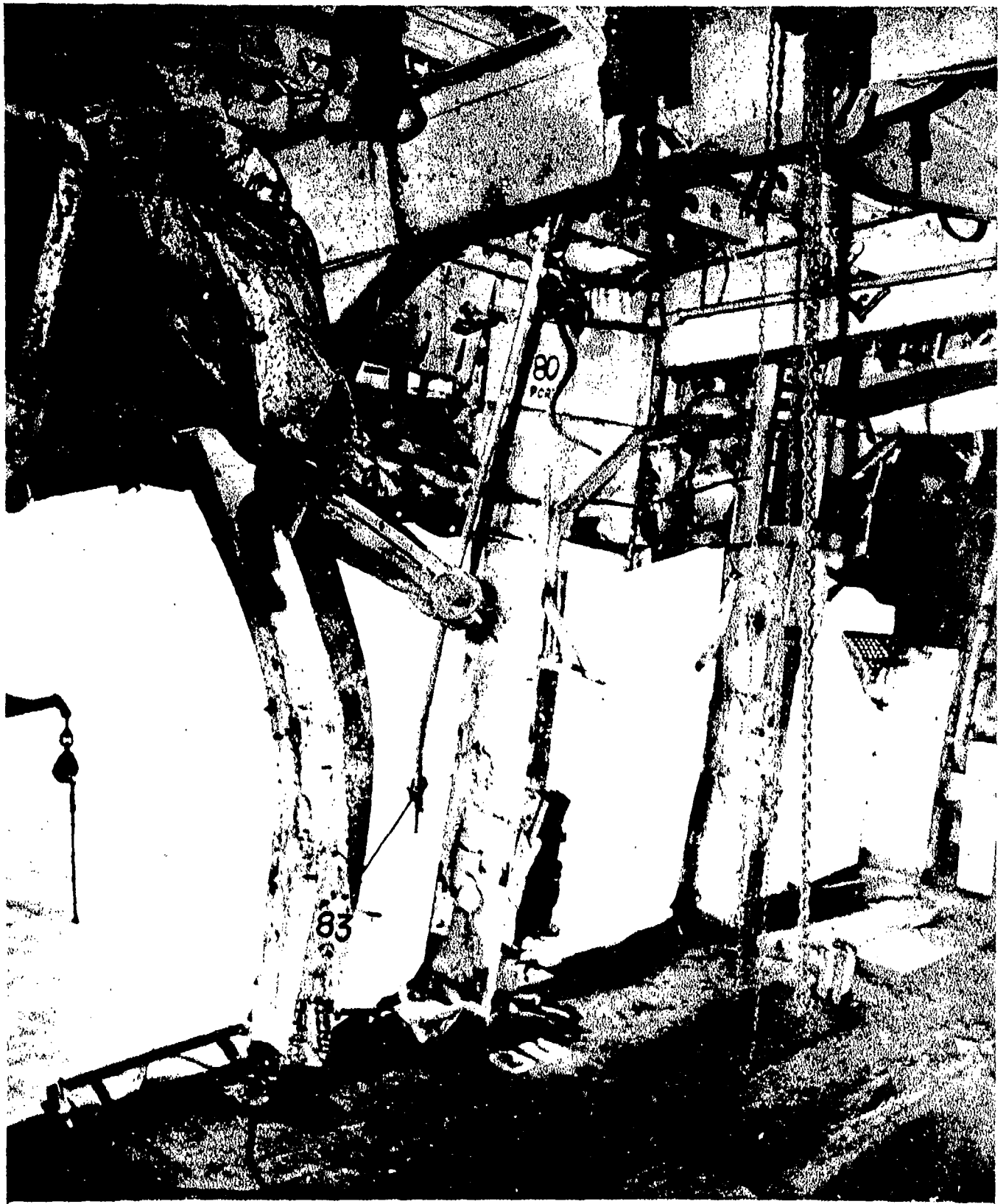


AB-CR-80-4187-2. After Baker. Flight deck Wobble Bents 86 and 83, port top, looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 401 of 766 Pages

9625



AA-CR-59-2225-6. Hangar-General view between Bents 74 and 86, showing failure of Wobble Bent 83 at deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 402 of 766 Pages

9625



AA-CR-59-2225-4. Hanger-showing failure of Bents 83 and 86. Port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 403 of 766 Pages

9625



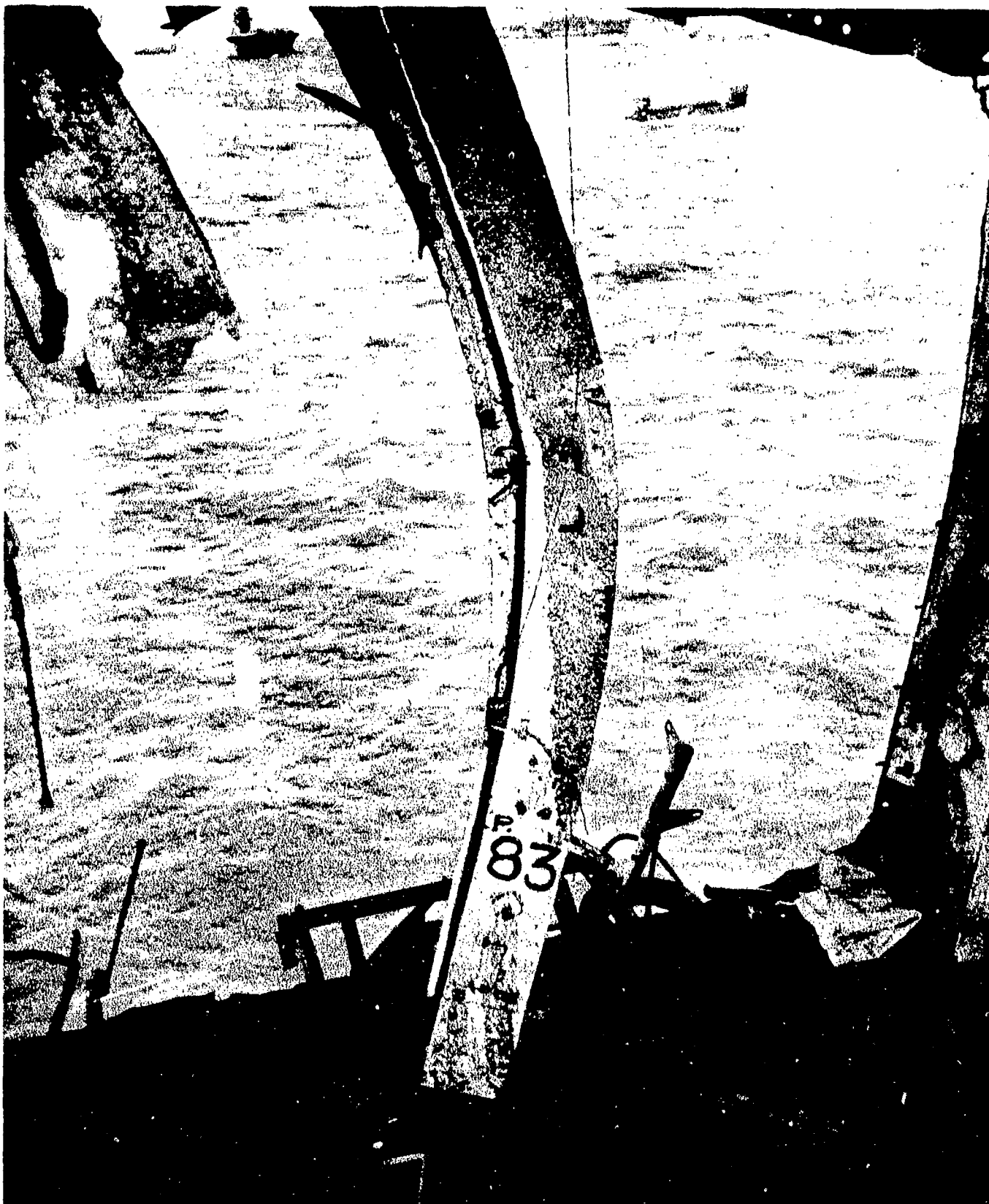
AA-CR-59-2226-5. Wobble Bents 83 and 86, port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 404 of 766 Pages

9625



AA-CR-59-2223-8. Looking to port showing curvature of port side
Wobble Bent 83.

SECRET

Page 405 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-100-4160-12. Hangar. Detail in way of Wobble Bent deck pad 83, port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 406 of 766 Pages

9625



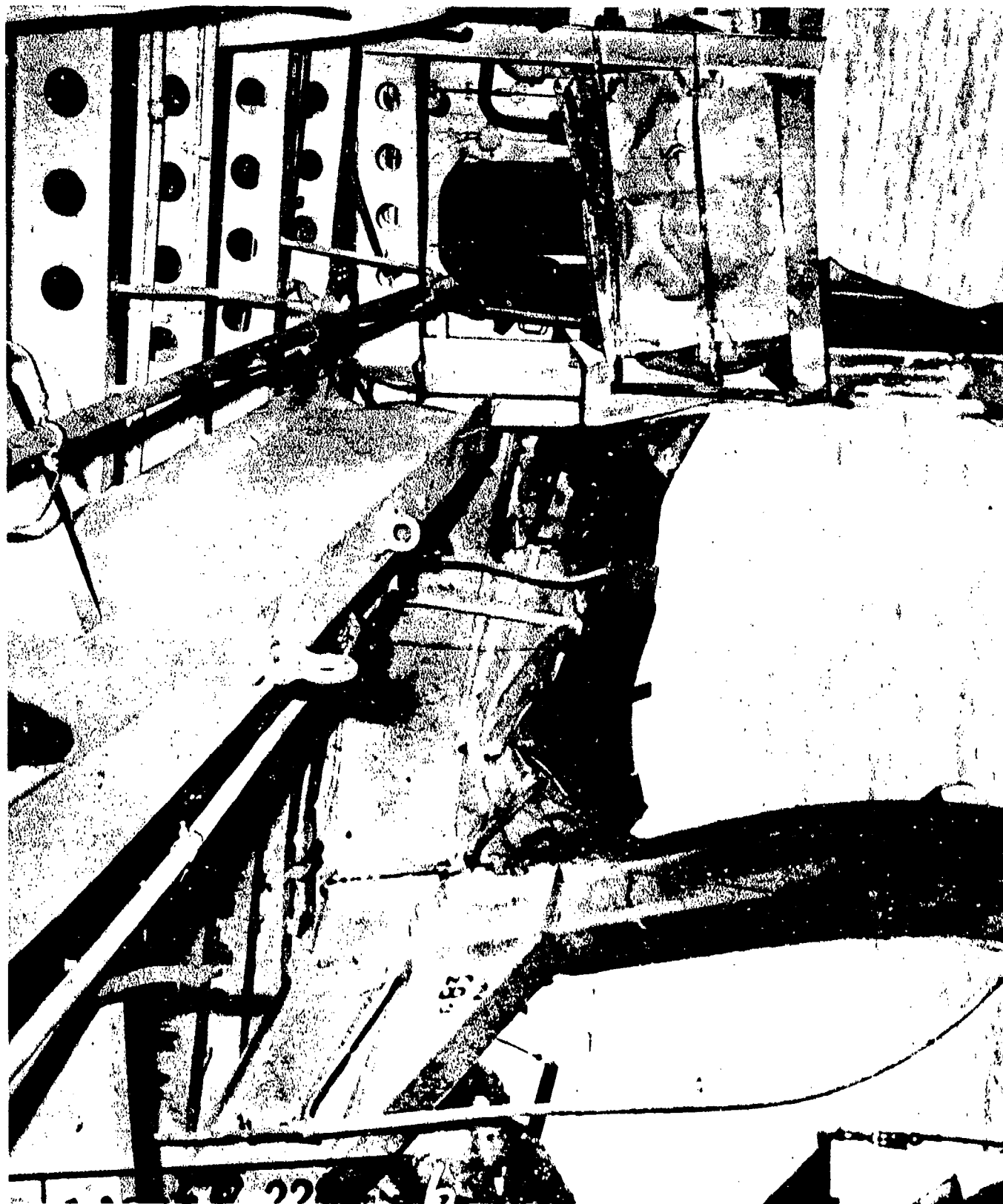
AA-CR-100-165-3. Frame 83, looking forward, port side. Showing buckling of shell and 5.1# bracket. Footing under Wobble Bent not affected.

SECRET

USS INDEPENDENCE (CVL22)

Page 407 of 766 Pages

9625



AA-CR-59-2226-6. Underside of flight deck, looking to port at Bent 80 and Wobble Bent 83. Note failure of transverse girder of bent 80 at bracket.

SECRET

USS INDEPENDENCE (CVL22)

Page 408 of 766 Pages

9625



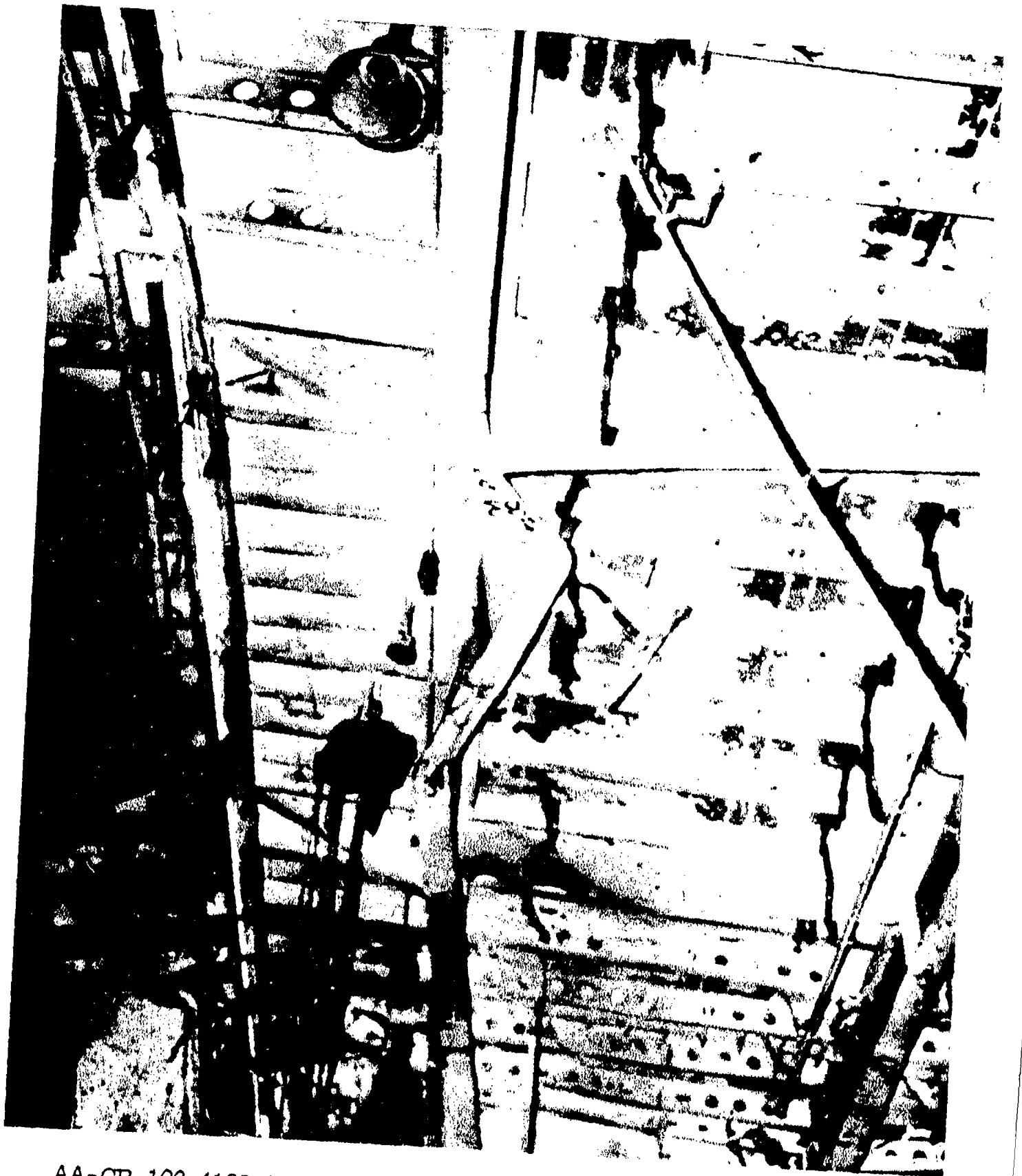
AA-CR-59-2223-7. Flight deck Bent 83, port side failure of welds in overhead connection. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 409 of 766 Pages

9625



AA-CR-100-4162-12. Flight deck Bent 83, showing deformation of transverse girder near centerline. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 410 of 766 Pages

9625



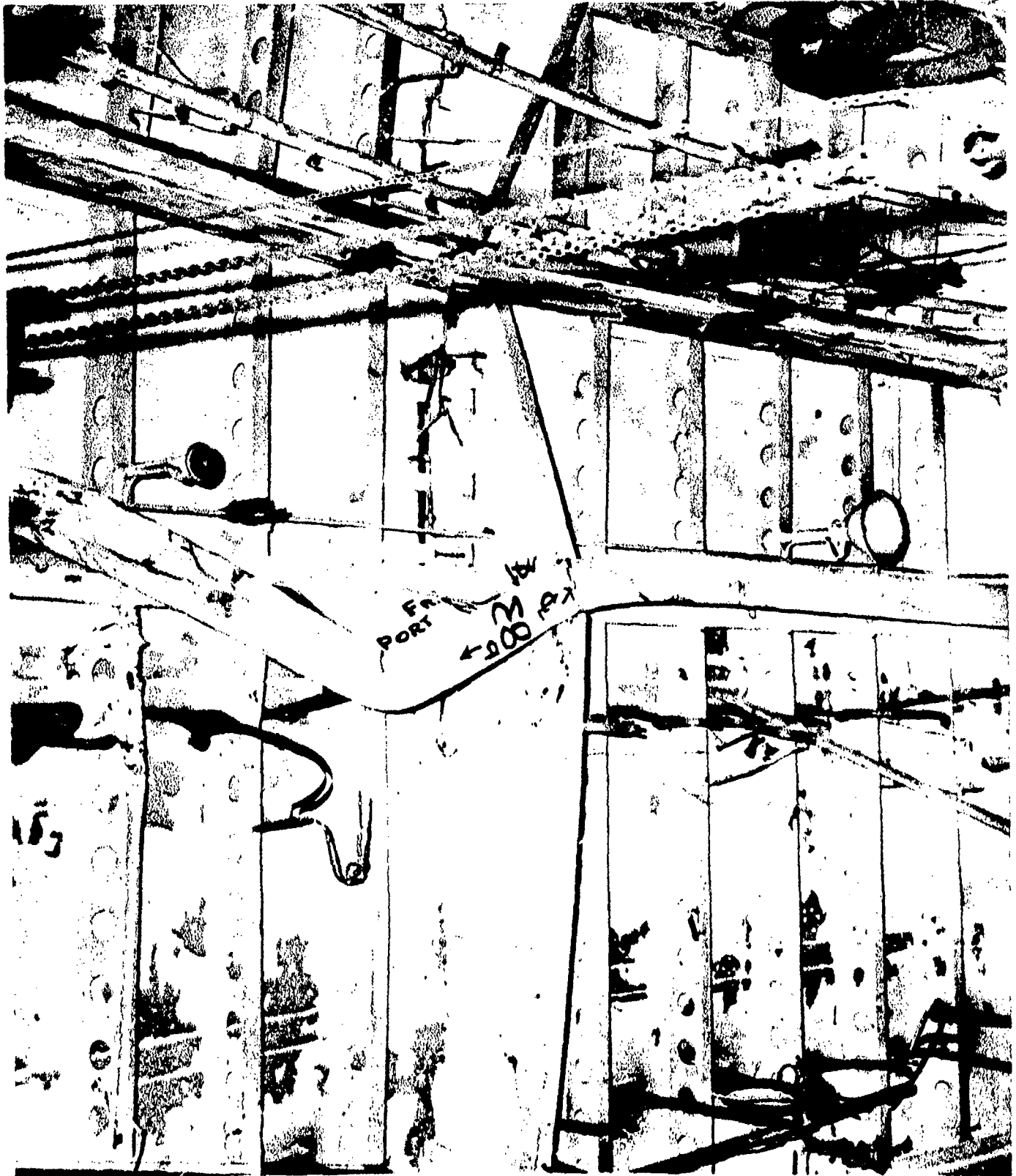
AA-CR-59-2225-3. Flight deck Bent 83, showing deformation of transverse girders near centerline. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 411 of 766 Pages

9625



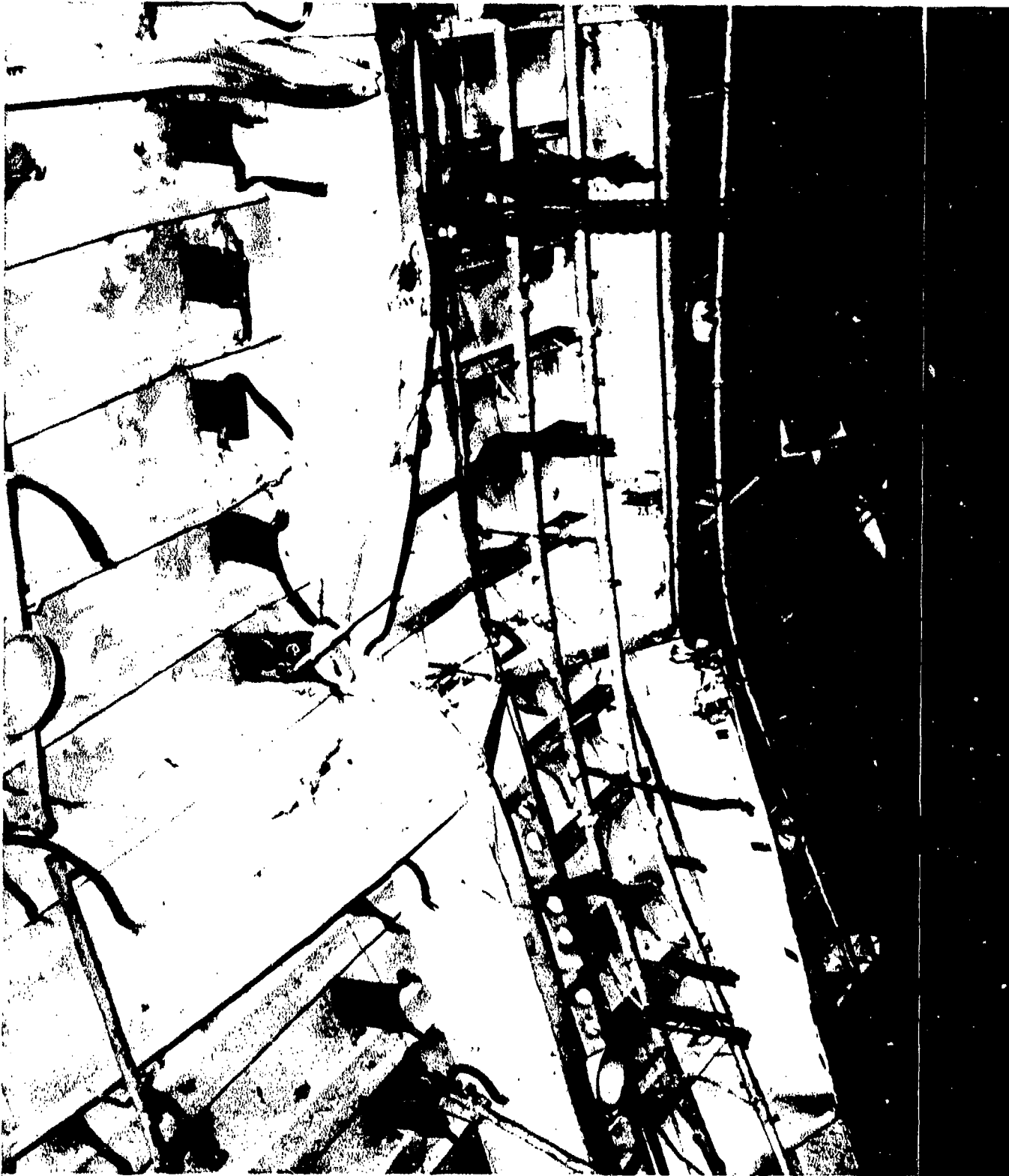
AA-CR-59-2224-6. Flight deck Bent 83, showing deformation and failure of lower flange at centerline welded butt. Looking to starboard.

SECRET

Page 412 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-65-1735-11. Underside of flight deck. Looking aft from Bent 77 at Bents 80 to 89 inclusive.

SECRET

USS INDEPENDENCE (CVL22)

Page 413 of 766 Pages

9625



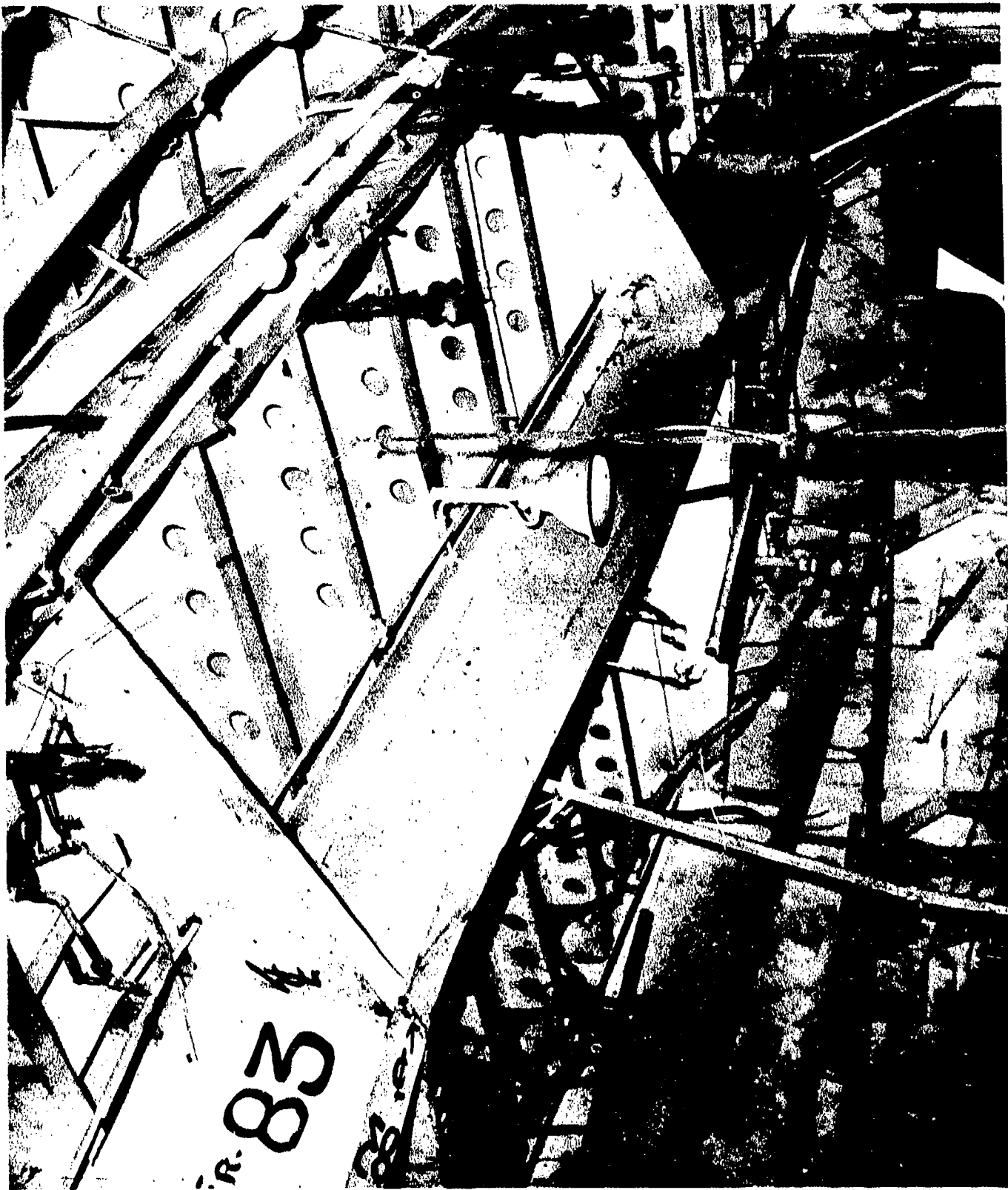
AA-CR-93-2071-7. Underside of flight deck, looking upward and slightly aft from bent 80. Note distorted pipes and pipe hangers.

SECRET

USS INDEPENDENCE (CVL22)

Page 414 of 766 Pages

9625



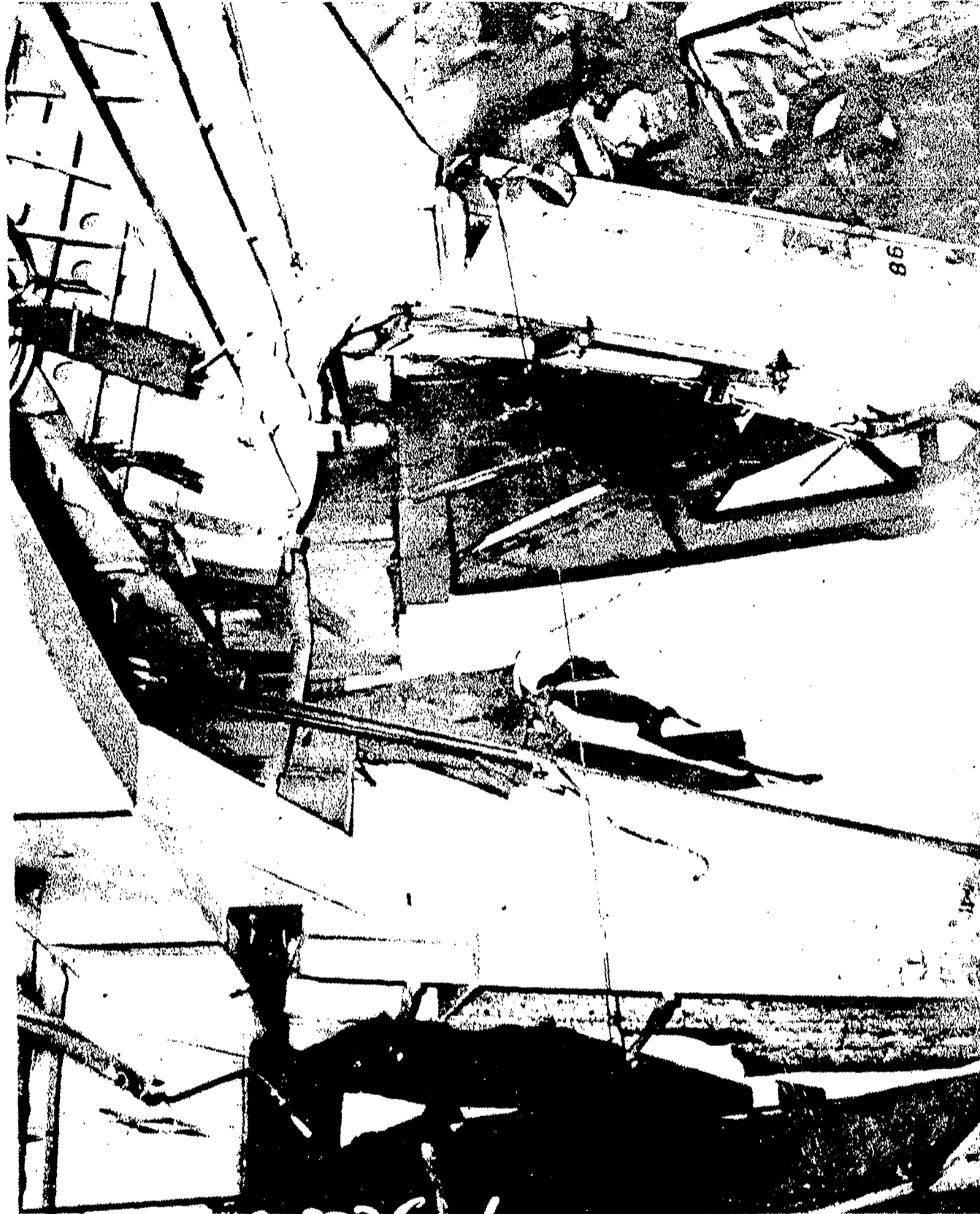
AA-CR-59-2225-7. Underside of flight deck at Bent 83. Looking forward and to starboard. Note opening of expansion joint.

SECRET

USS INDEPENDENCE (CVL22)

Page 415 of 766 Pages

9625



AA-CR-59-2226-1. Flight deck Wobble Bents 83 and 86, starboard side, showing deformation and fracture in vertical members. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 416 of 766 Pages

9625



AA-CR-59-2225-5. Hangar-General view between Bents 77 and 86.
Looking forward and to starboard.

SECRET

USS INDEPENDENCE (CVL-22)

Page 417 of 766 Pages

9625



AA-CR-175-2132-4. Flight deck Bent 83, starboard side, showing failure of overhead connection in fillet welds. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 418 of 766 Pages

9625



AA-CR-65-1736-6. Hangar-General view of matted scrap between Bents 80 and 83.

SECRET

USS INDEPENDENCE (CVL22)

Page 419 of 766 Pages

9625



AA-CR-100-4160-10. Flight deck Bent 83, starboard side, showing failure of overhead connection in small single bead fillet welds at inboard flange of column. Looking outboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 420 of 766 Pages

9625



AA-CR-80-4187-1. After Baker. Flight deck Wobble Bent 83, starboard bottom, looking aft.

SECRET

USS INDEPENDENCE (CVL22)
Page 421 of 766 Pages

9625



AB-CR-80-4187-3. After Baker. Flight deck Wobble Bent 86, port bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 422 of 766 Pages

9625



AA-CR-100-4162-1. Hangar deck, frame 86, port side Note trace of Wobble Bent pad.

SECRET

USS INDEPENDENCE (CVL22)

Page 423 of 766 Pages

9625



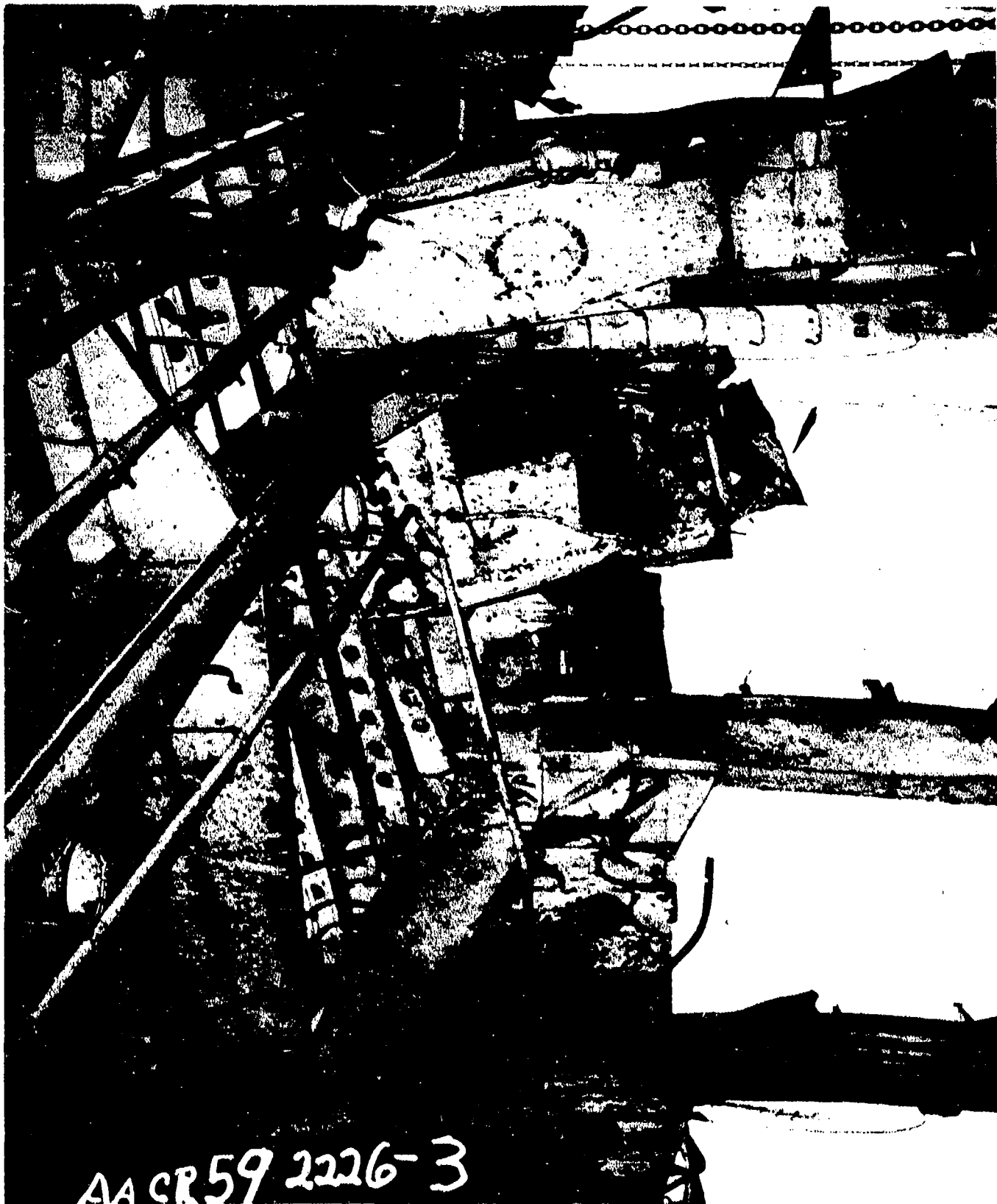
AA-CR-175-2131-5. Hangar. Wobble Bents 83 and 86, port side. Looking forward and outboard from bent 89.

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USS INDEPENDENCE (CVL22)

Page 424 of 766 Pages

9625



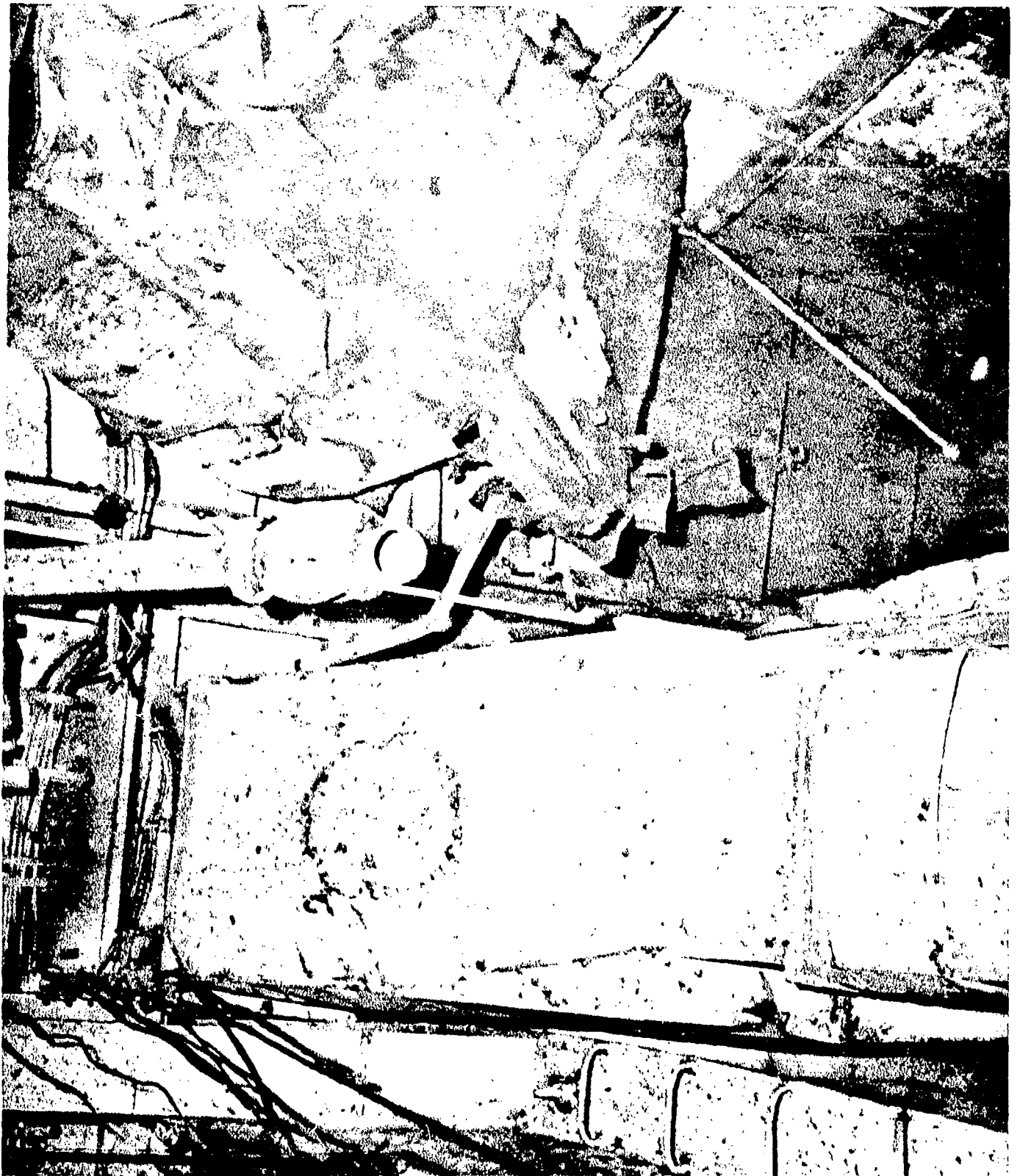
AA-CR-59-2226-3. Underside of flight deck Wobble Bents 83 and 86, port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 425 of 766 Pages

9625



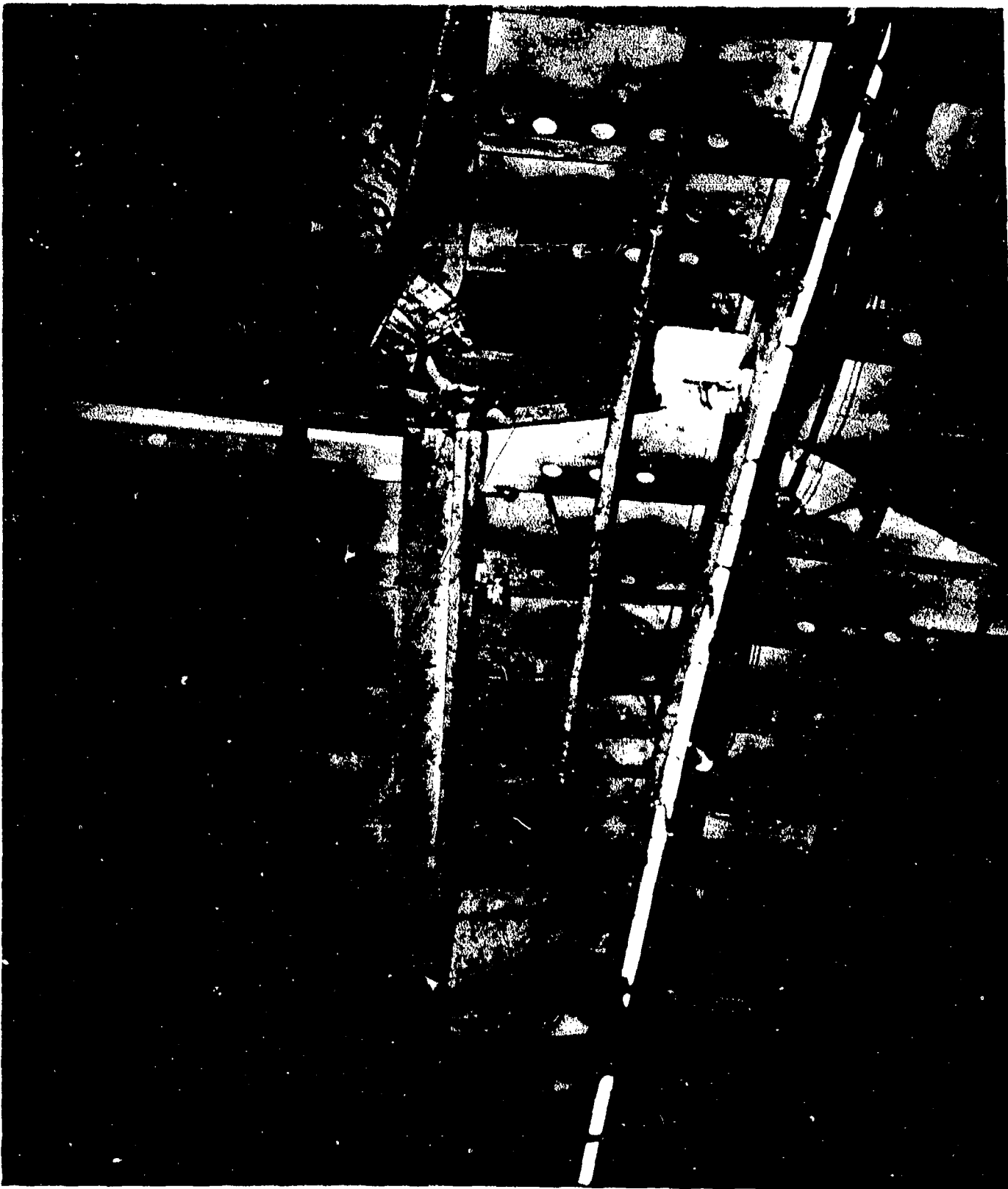
AA-CR-59-2164-5. Underside of flight deck, frame 86, port side. Failure of weld at joint at elbow at sprinkling line.

SECRET

USS INDEPENDENCE (CVL22)

Page 426 of 766 Pages

9625



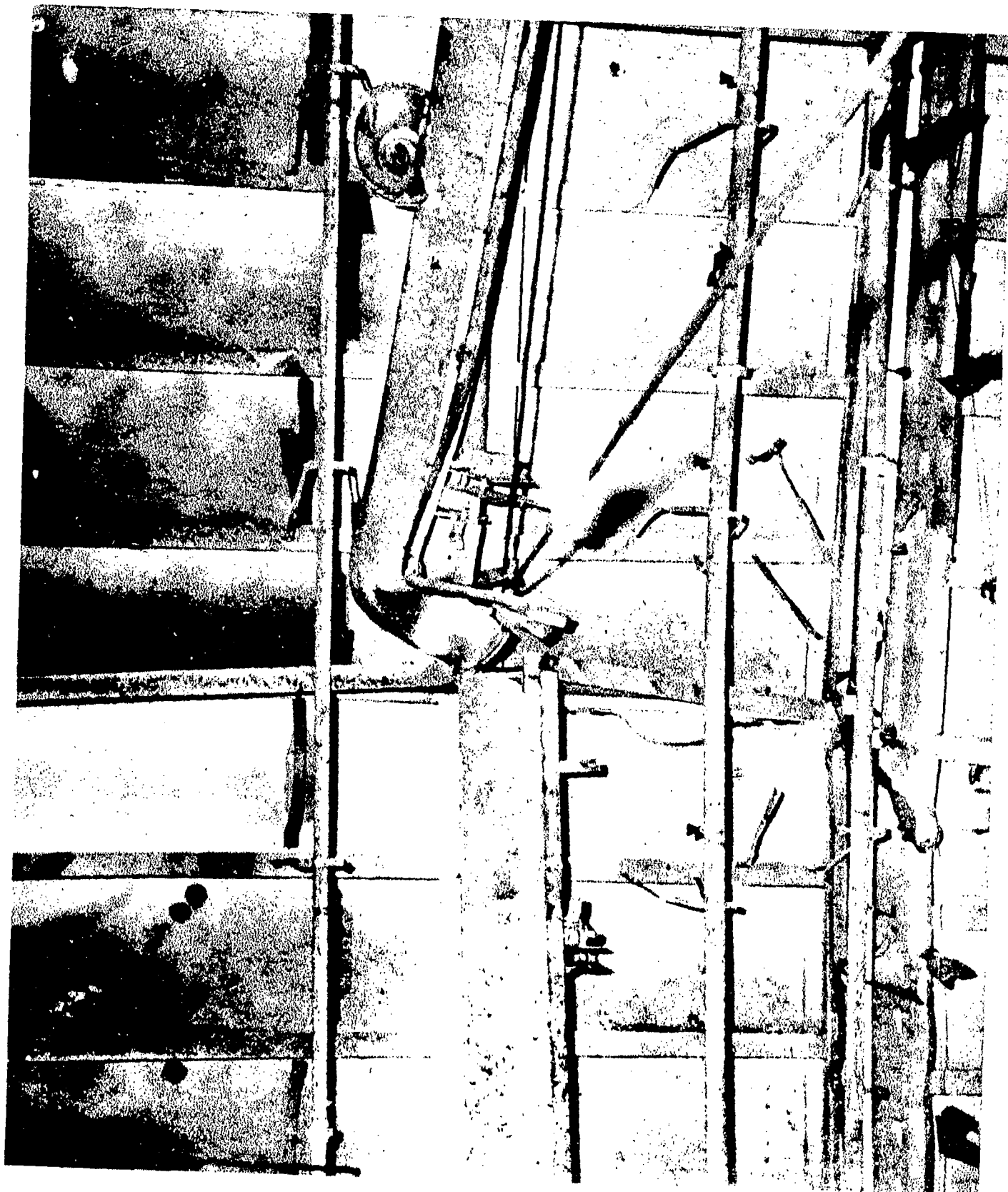
AA-CR-100-4161-4. Flight deck Bent 86, showing deformation and failure of centerline butt weld. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 427 of 766 Pages

9625



AA-CR-175-2118-12. Flight deck Bent 86, showing deformation and failure of centerline butt weld. Looking forward and up.

SECRET

USS INDEPENDENCE (CVL22)

Page 428 of 766 Pages

9625



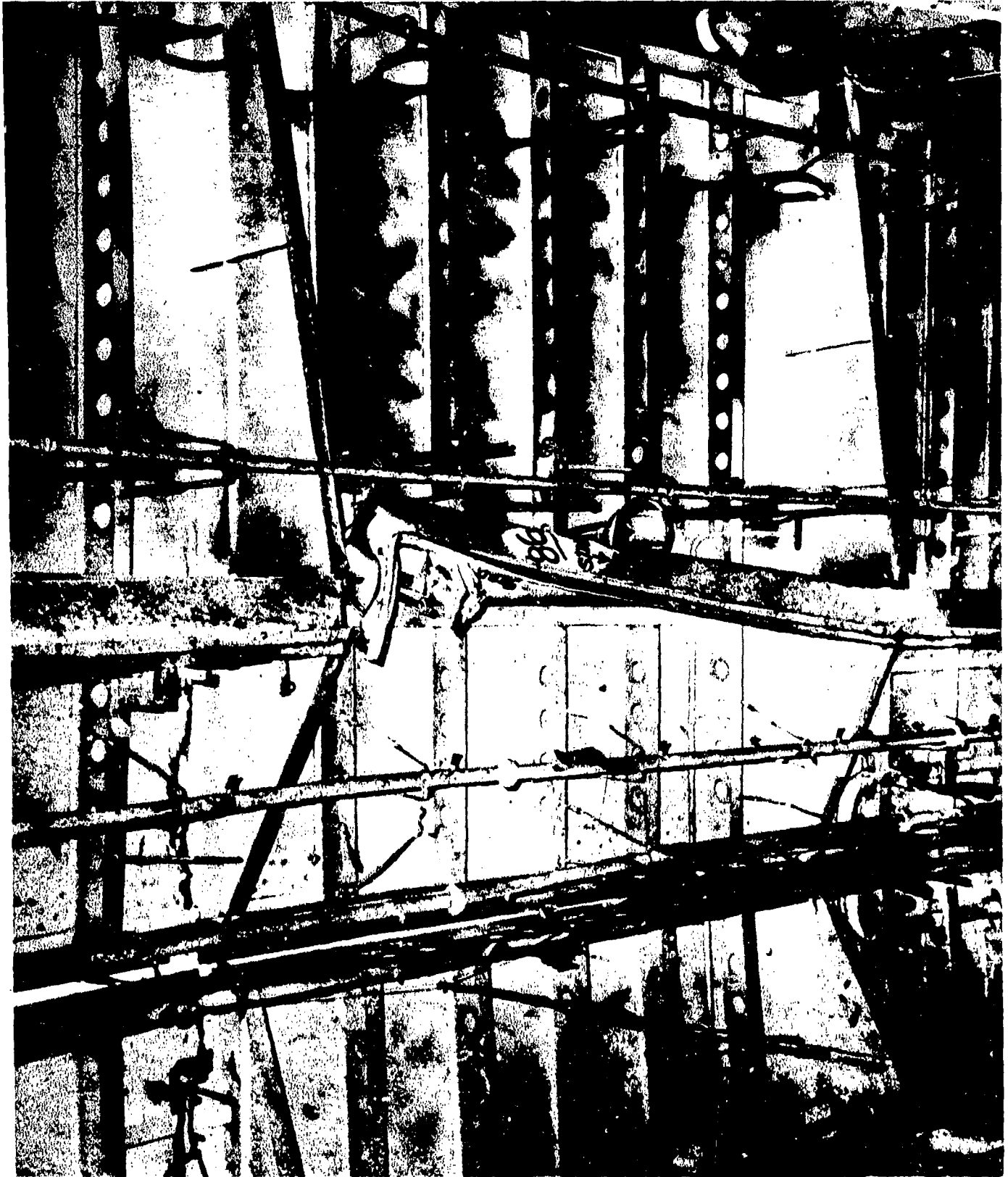
AA-CR-59-2226-2. Flight deck Bent 86. Looking aft and to port at centerline damage.

SECRET

USS INDEPENDENCE (CVL22)

Page 429 of 766 Pages

9625

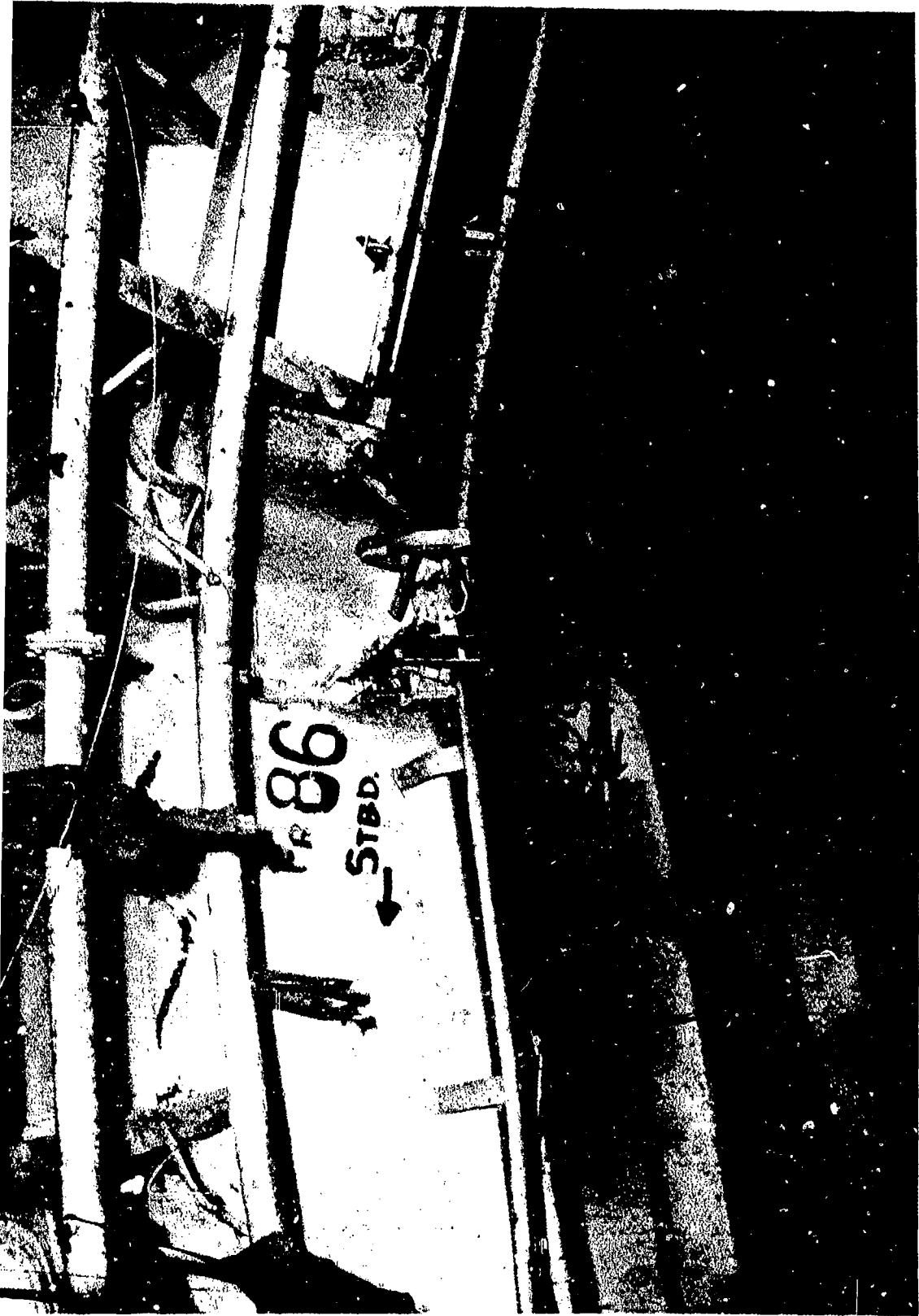


AA-CR-59-2224-7. Flight deck Bent 86, looking to starboard, showing deformation and break at centerline.

SECRET

USS INDEPENDENCE (CVL22)
Page 430 of 766 Pages

96 25



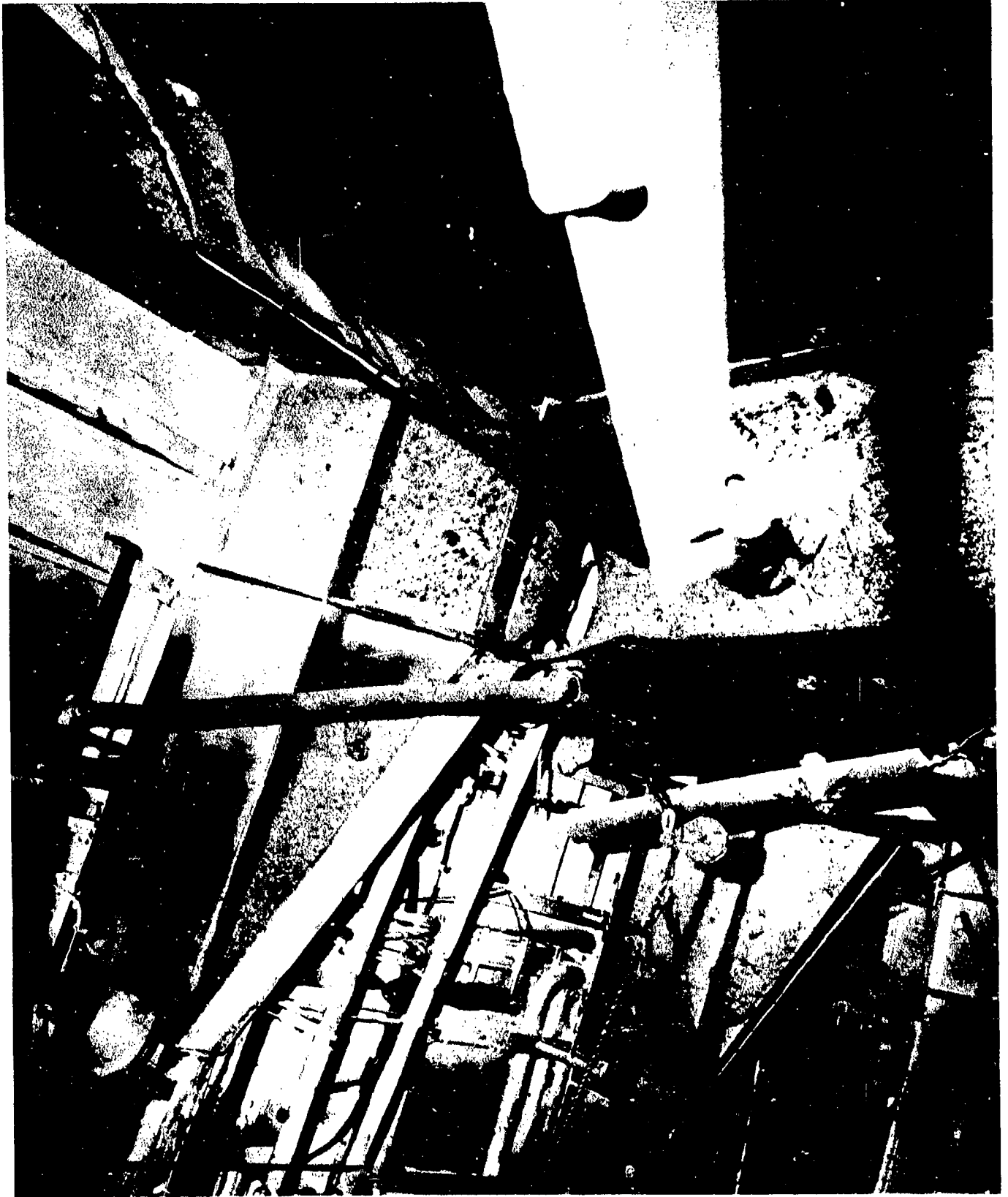
NR-59-2225-12. Underside of flight deck, looking aft along centerline
ents 86 and 89.

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USS INDEPENDENCE (CVL22)

Page 431 of 766 Pages

9625



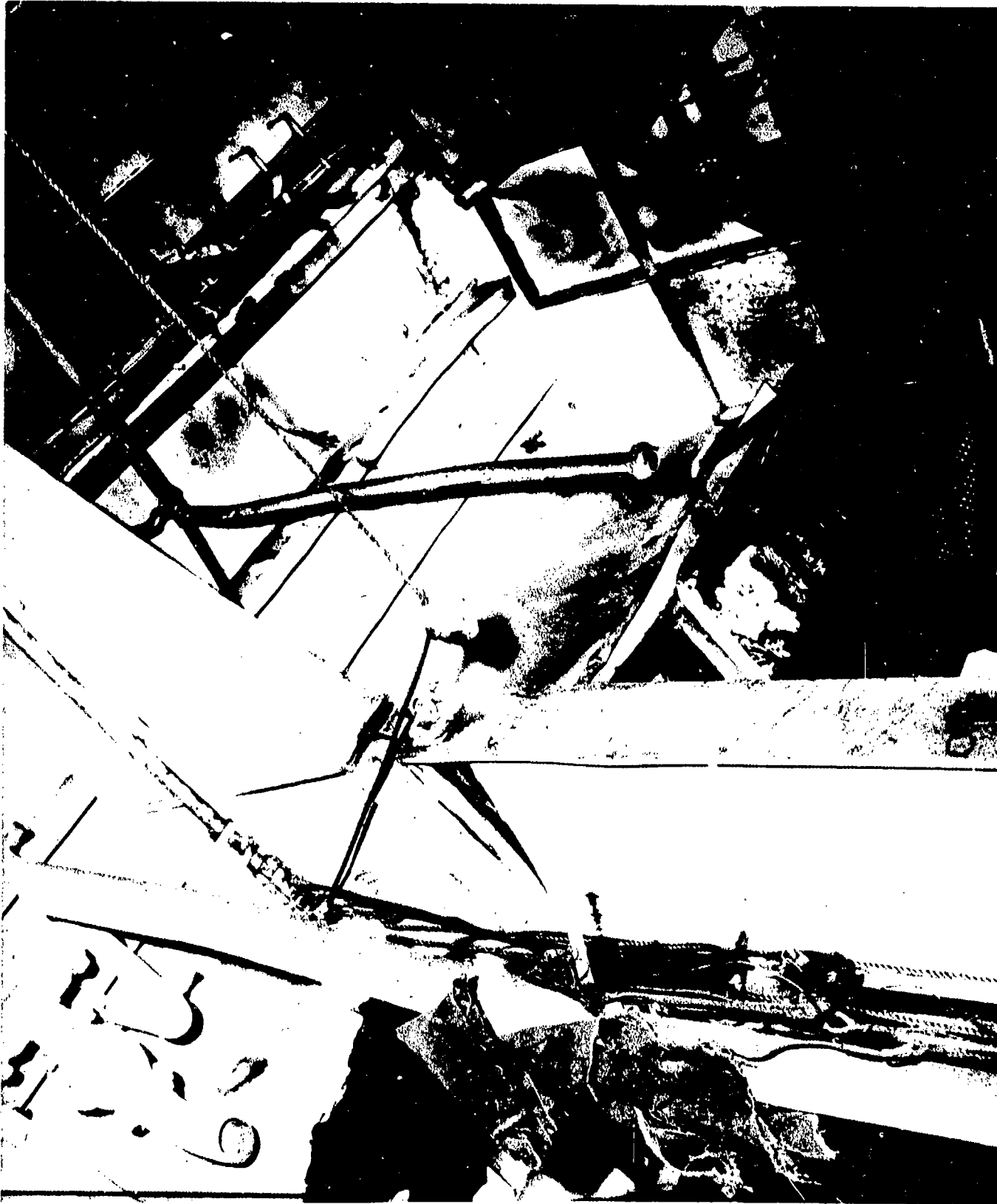
AA-CR-175-2132-2. Flight deck Wobble Bent 86, starboard side, showing deformation and fracture in vertical member extending from origin at fillet weld at lower end of bracket. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 432 of 766 Pages

9625



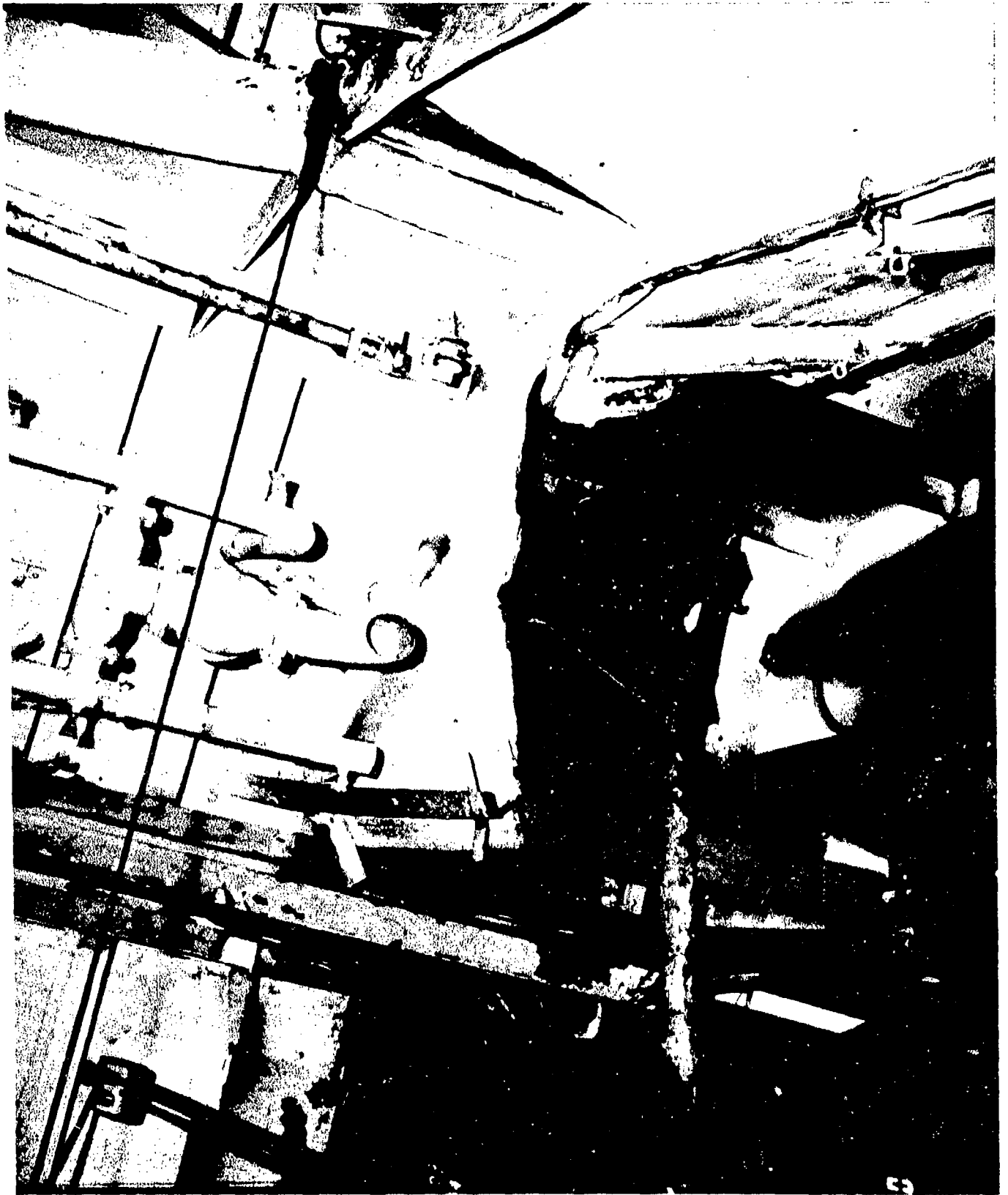
AA-CR-175-2132-3. Flight deck Wobble Bent 86, starboard side, showing fracture in vertical member with origin at weld at toe of bracket. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 433 of 766 Pages

9625



AA-CR-59-2164-6. Underside of flight deck, frame 86, starboard side.
Failure of weld at joint in elbow at sprinkling line.

SECRET

USS INDEPENDENCE (CVL22)
Page 434 of 766 Pages

9625



AA-CR-59-2225-10. Underside of flight deck between Bents 86 and 95, starboard side looking aft. Note twist in lower flange of girder of Bent 86.

SECRET

USS INDEPENDENCE (CVL22)
Page 435 of 766 Pages

9625



AA-CR-80-4187-4. After Baker. Flight deck Wobble Bents 86 and 83, starboard bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 436 of 766 Pages

9625



AB-CR-80-4187-5. After Baker. Flight deck Wobble Bent 86, starboard bottom, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 437 of 766 Pages

9625



AA-CR-65-958-7. Failure of deck pad, Flight deck Wobble Bent 86, Starboard side, looking to starboard and forward.

SECRET

Page 438 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



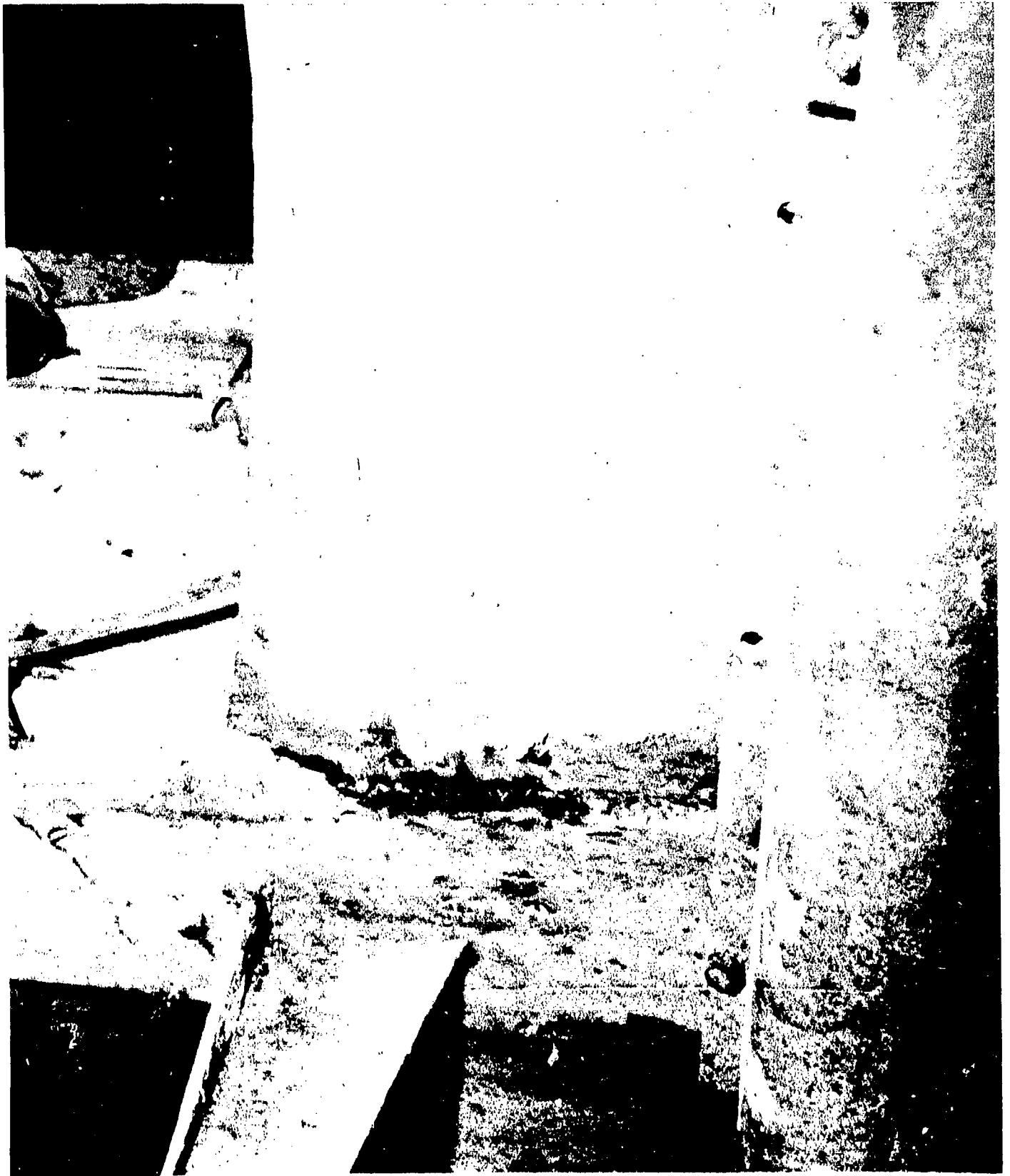
AA-CR-65-1736-7. Uptake No. 4, hangar deck, starboard side, between flight deck Bents 86 and 89, showing damage to welded and riveted connections. Looking to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 439 of 766 Pages

9625



AA-CR-59-4162-3. Flight deck Bent 89, hangar deck level. Fracture of side plating adjacent to weld, port side looking inboard. Partially rewelded by ships force after Test A.

SECRET

USS INDEPENDENCE (CVL22)

Page 440 of 766 Pages

9625



AA-CR-59-4162-2. Flight deck Bent 89, Weld failure at connection of bent to S.T.S. shear stroke. Looking inboard from port blister. For interior view see 959-1.

SECRET

USS INDEPENDENCE(CVL22)

Page 441 of 766 Pages

9625



AA-CR-65-959-1. Flight deck Bent 89. Failure of welded connection to main deck, port side looking outboard and aft. Note that failure extends along top of shear strake also. For exterior view see 4162-2.

SECRET

USS INDEPENDENCE (CVL22)

Page 442 of 766 Pages

9625



AA-CR-65-959-2. Underside of hangar deck, frame 89. Port side at shell, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 443 of 766 Pages

9625



AB-CR-80-4187-6. After Baker. Flight deck Bent 89, port bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 444 of 766 Pages

9625



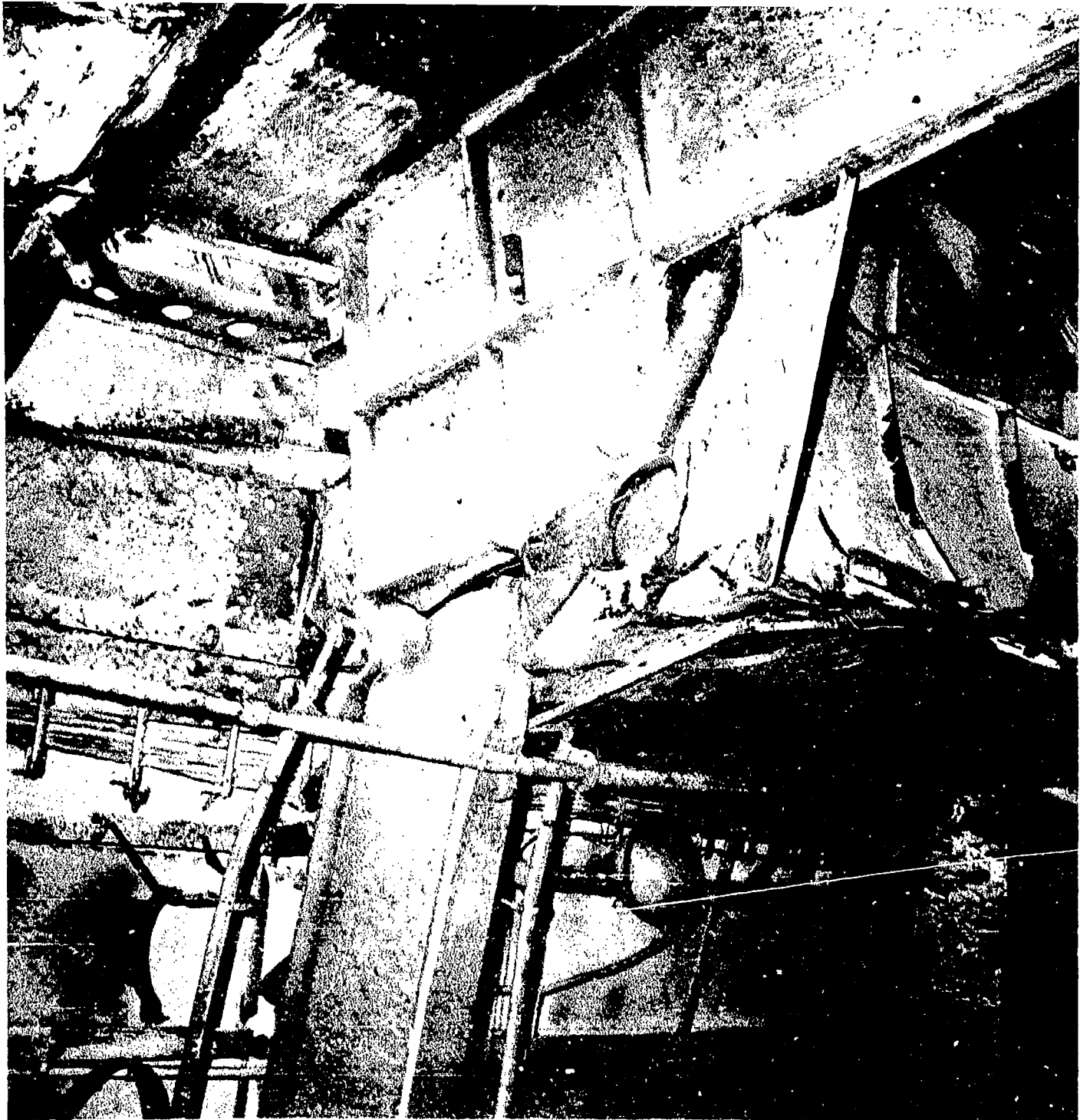
AA-CR-59-2223-9. Flight deck Bent 89, port side, showing failure of transverse girder and origin of fracture adjacent to weld at upper end of bracket. Looking aft.

SECRET

Page 445 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



AA-CR-175-2131-6. Underside of flight deck, port side. Looking aft at Bent 89. Note fracture in girder.

SECRET

USS INDEPENDENCE (CVL22)

Page 446 of 766 Pages

9625



AA-CR-59-2225-11. Underside of flight deck. Looking aft from Bent 86, port side.

SECRET

USS INDEPENDENCE (CVL22)

Page 447 of 766 Pages

9625



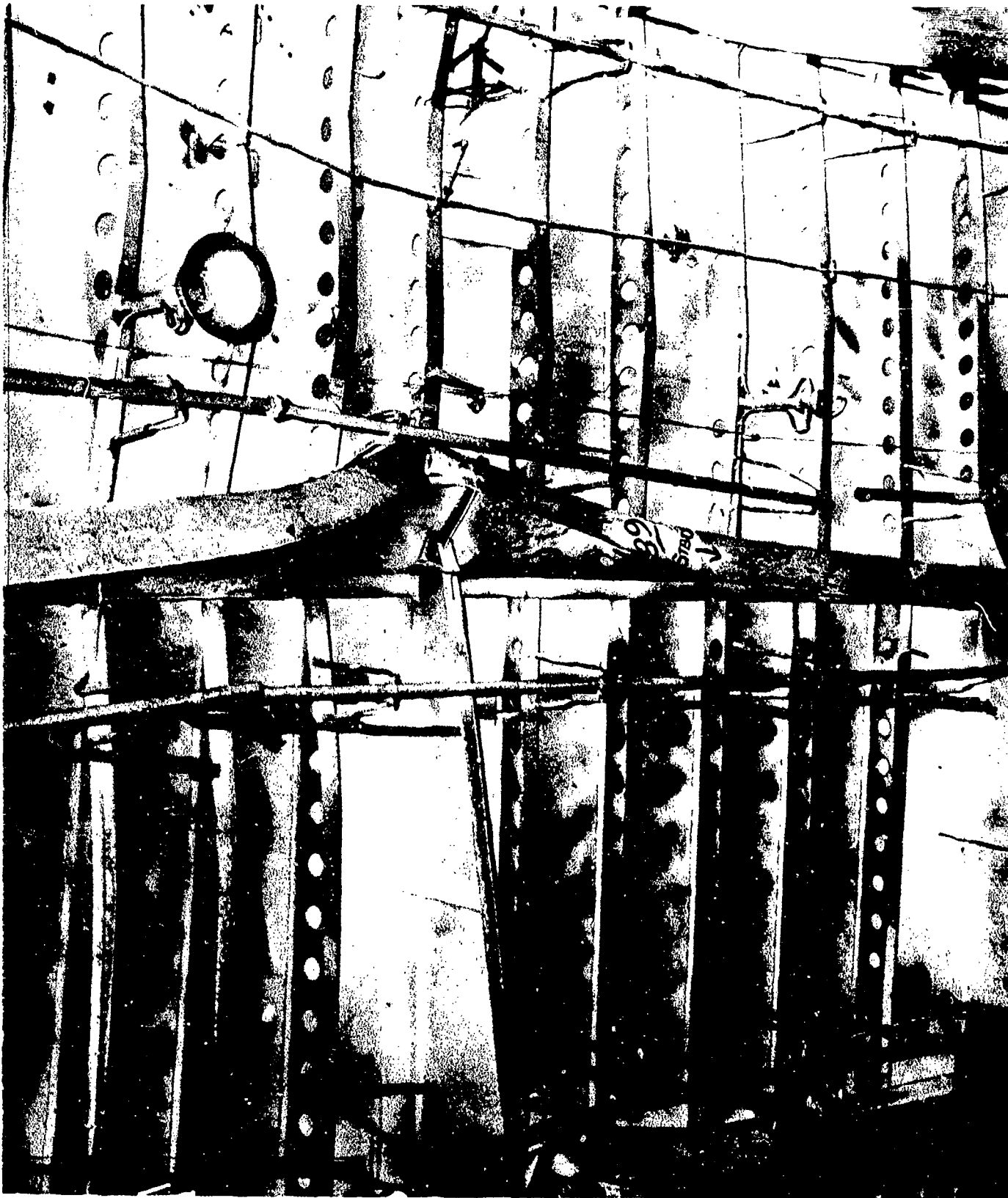
AA-CR-59-2225-9. Underside of flight deck at bent 86, looking aft along centerline. Note failures at bent girders 86 and 89.

SECRET

USS INDEPENDENCE (CVL22)

Page 448 of 766 Pages

9625

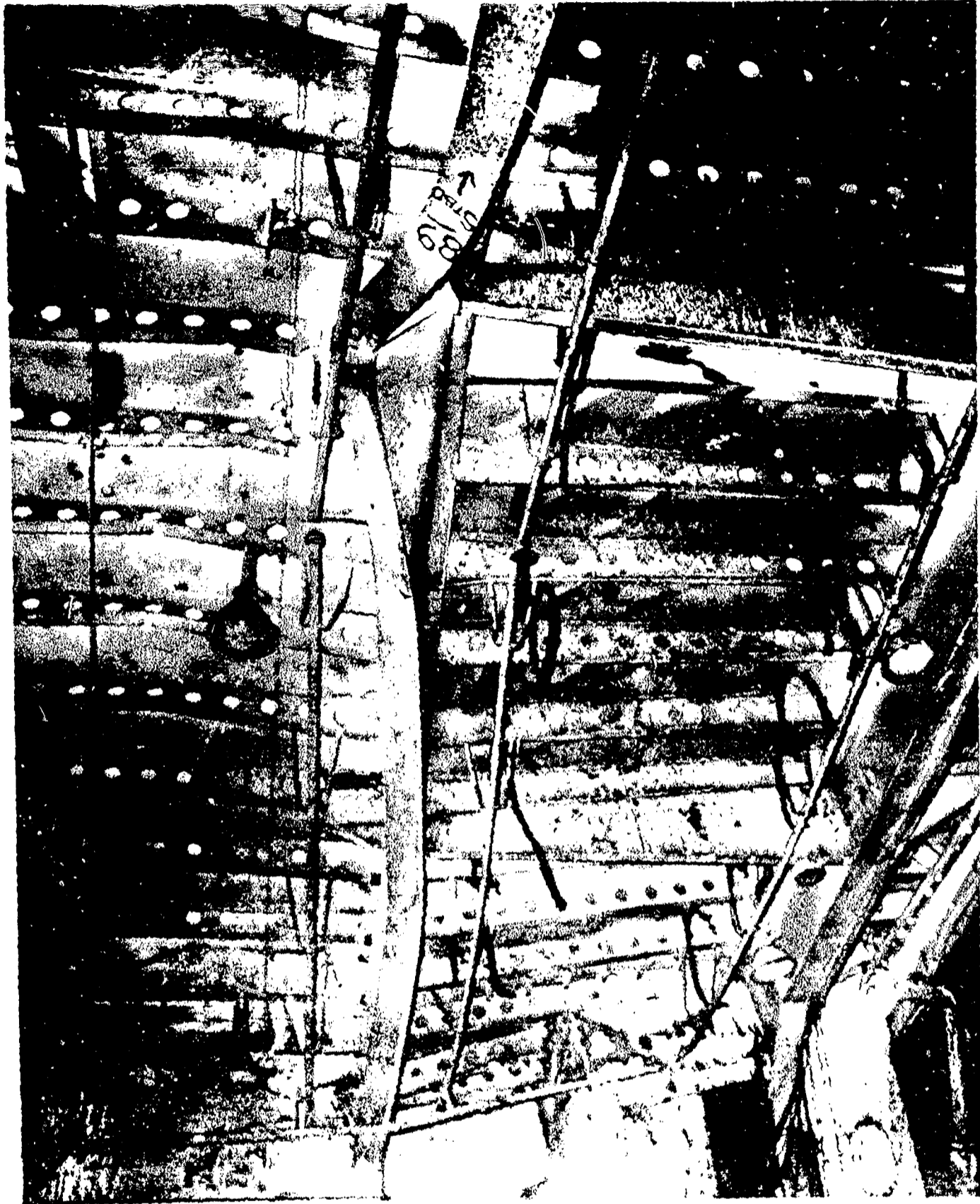


AA-CR-59-2224-8. Flight deck Bent 89, looking to starboard, showing deformation at centerline.

SECRET

USS INDEPENDENCE (CVL22)
Page 449 of 766 Pages

9625



AA-CR-59-4161-5. Flight deck Bent 89, deformation and failure of weld at upper end of centerline web stiffener. Looking to port,

SECRET

Page 450 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-59-2113-6. Hangar-General view from Bent 89 forward on starboard side under flight deck to Bent 71. Origin of failure at weld at lower end of bracket.

SECRET

USS INDEPENDENCE (CVL22)

Page 451 of 766 Pages

9625



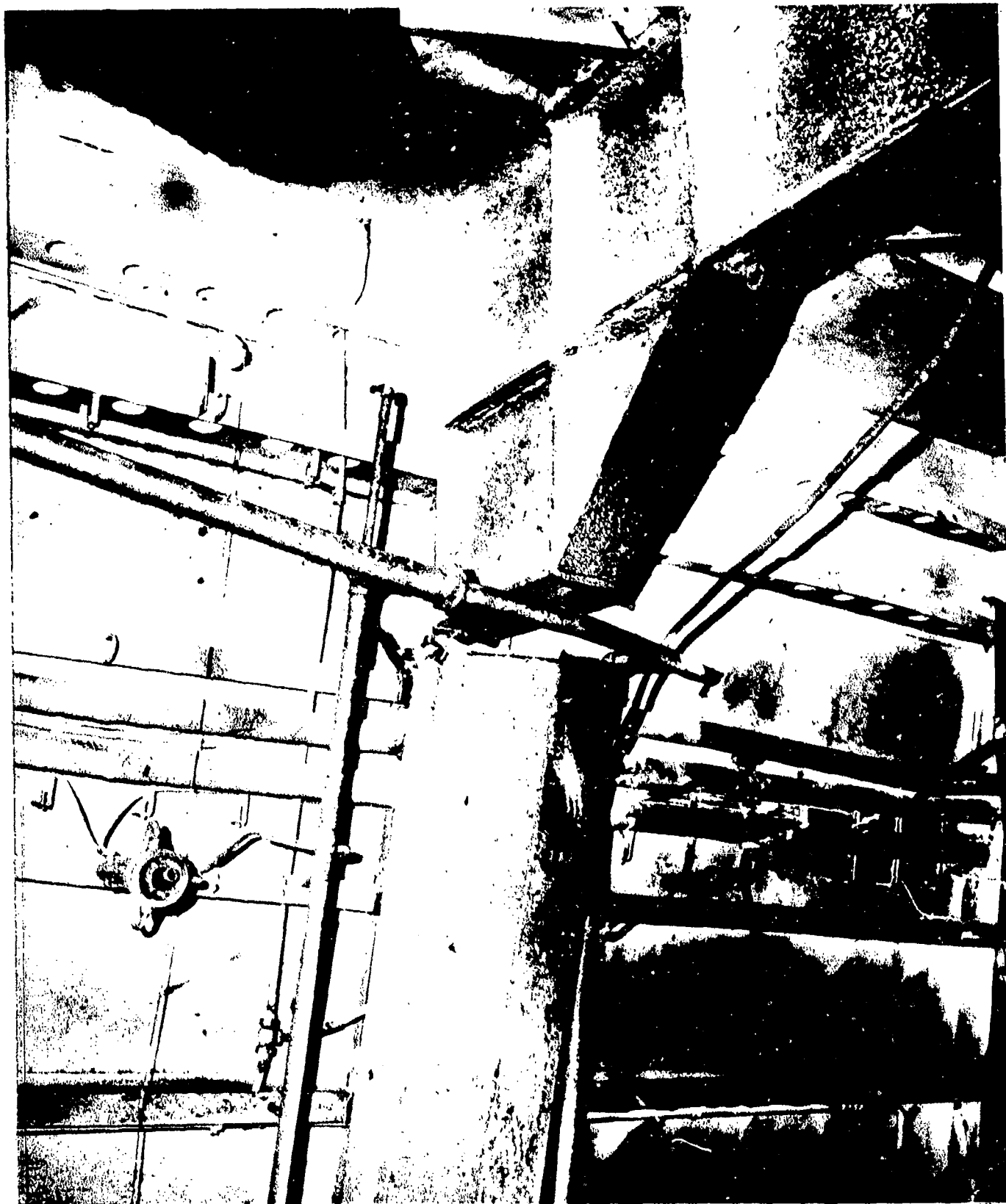
AA-CR-59-4149-6. Flight deck Bent 89, starboard side, showing complete failure of transverse girder and origin of fracture at upper edge of fillet weld at end of bracket. Looking forward.

SECRET

Page 452 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-175-2132-1. Flight deck Bent 89, starboard side, showing failure of transverse girder and origin of fracture adjacent to weld at upper end of bracket. Looking forward.

SECRET

Page 453 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-80-4187-7. After Baker - Flight deck Bent 89, starboard bottom, looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 454 of 766 Pages

9625



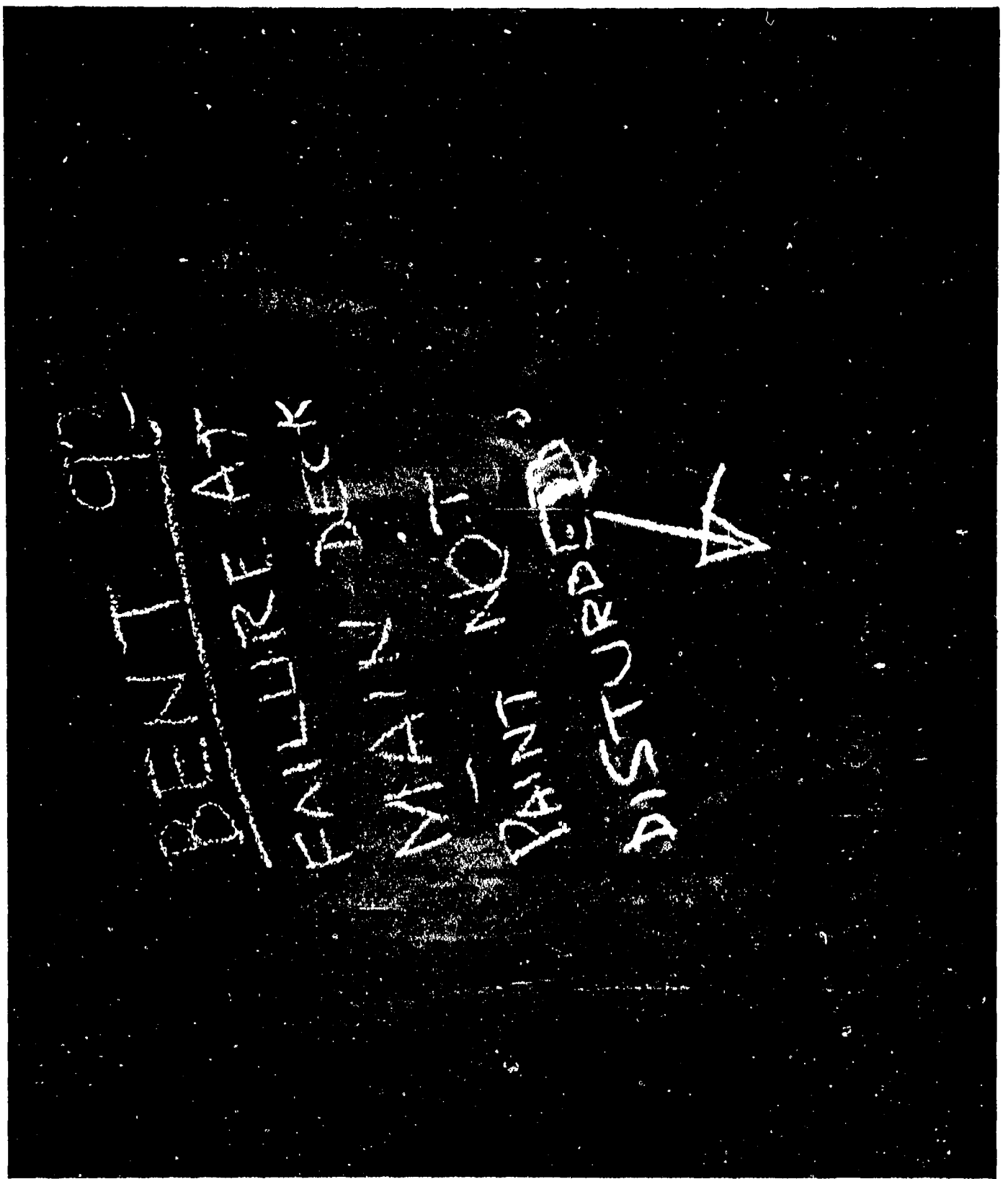
AB-CR-80-1675-7. After Baker. Hangar deck, Bents 86 - 89, starboard side. Note weld failure along inboard edge of patch plate over opening for No. 4 uptake.

SECRET

USS INDEPENDENCE (CVL22)

Page 455 of 766 Pages

9625



AA-CR-59-4161-1. Flight deck Bent 92. Weld failure at port side connection to S.T.S. shear strake, looking inboard to starboard.

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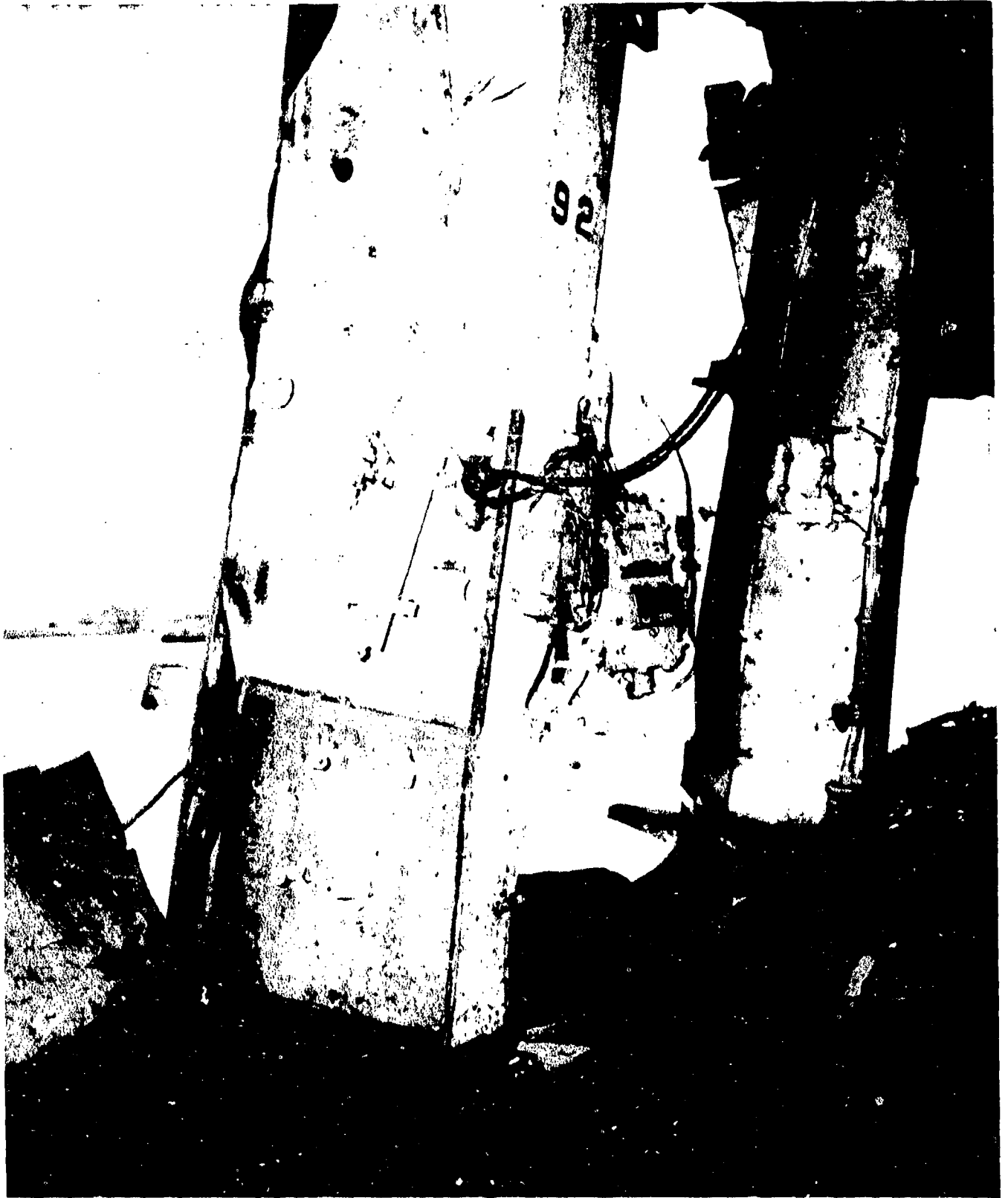


AA-CR-65-959-4. Underside of hangar deck, port side at shell, frame 92, looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 457 of 766 Pages

9625

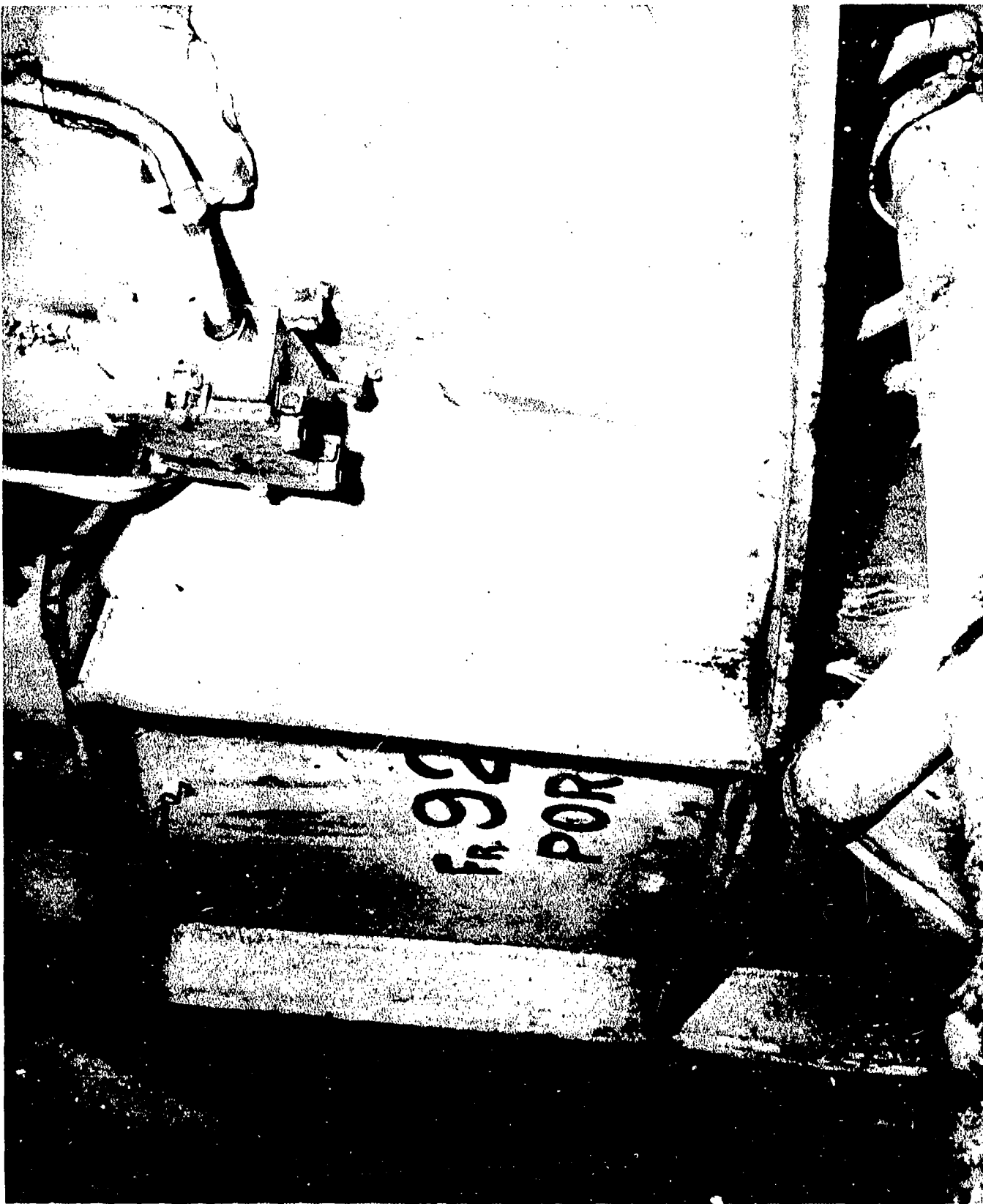


AA-CR-80-4187-9. After Baker - Flight deck Bent 92, port bottom, looking forward.

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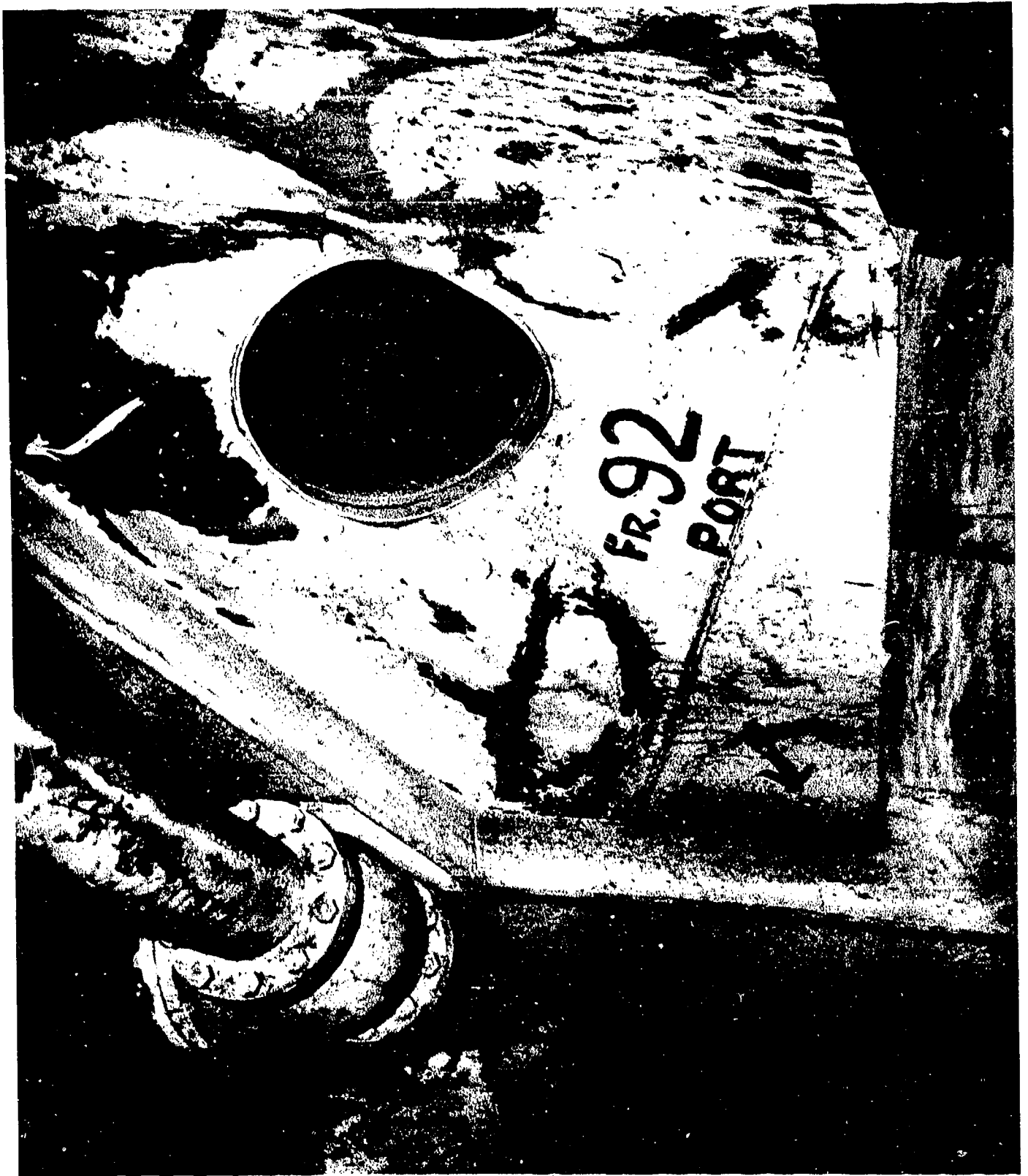
USS INDEPENDENCE (CVL22)
Page 458 of 766 Pages

9625



AA-CR-59-2223-10. Flight deck Bent 92, upper port corner, looking forward.

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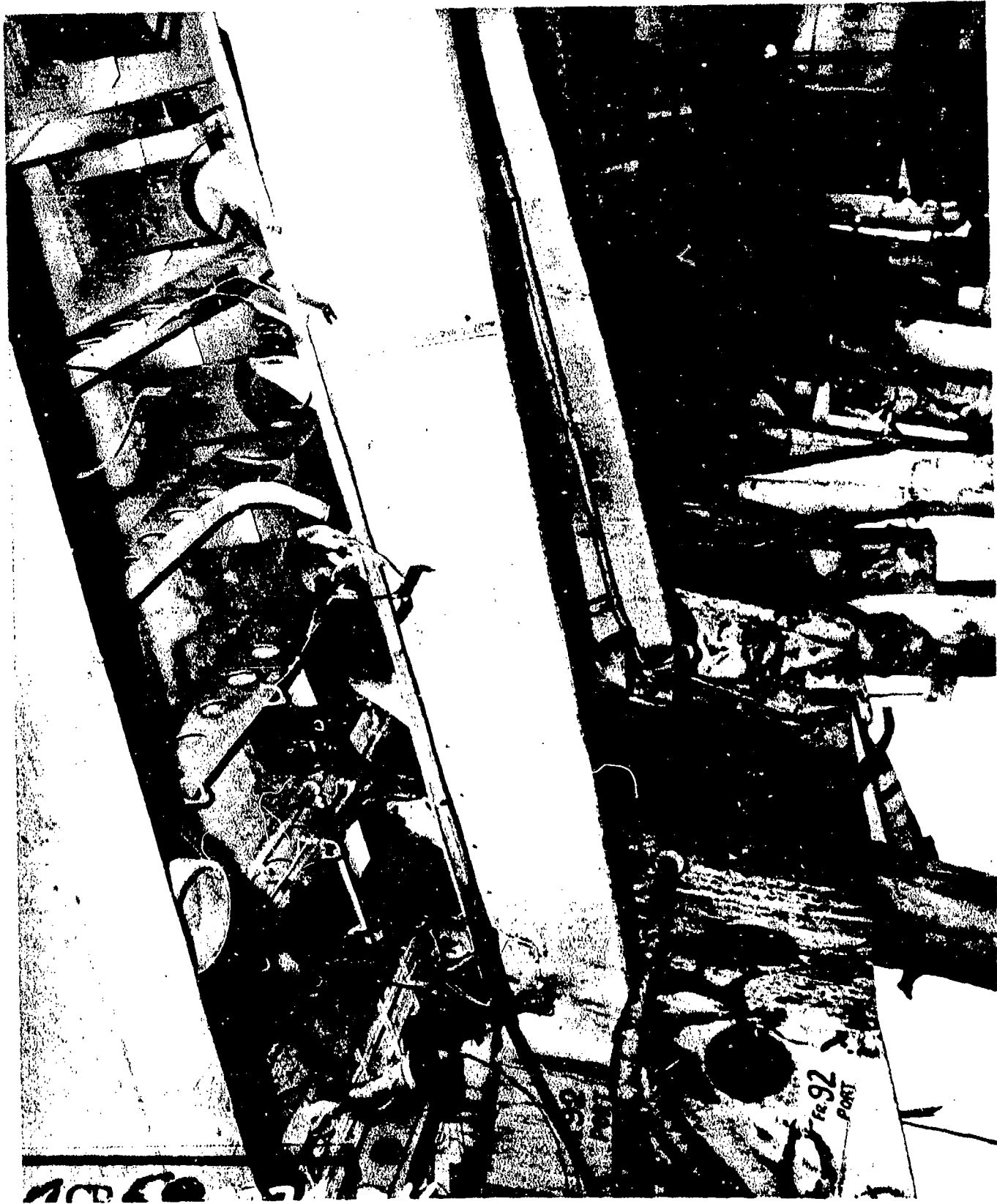
AA-CR-59-2223-11: Flight deck bent 92, port side, looking forward and to port. Note tear in light weight bracket and damage to conflagration station.

SECRET

USS INDEPENDENCE (CVL22)

Page 460 of 766 Pages

9625



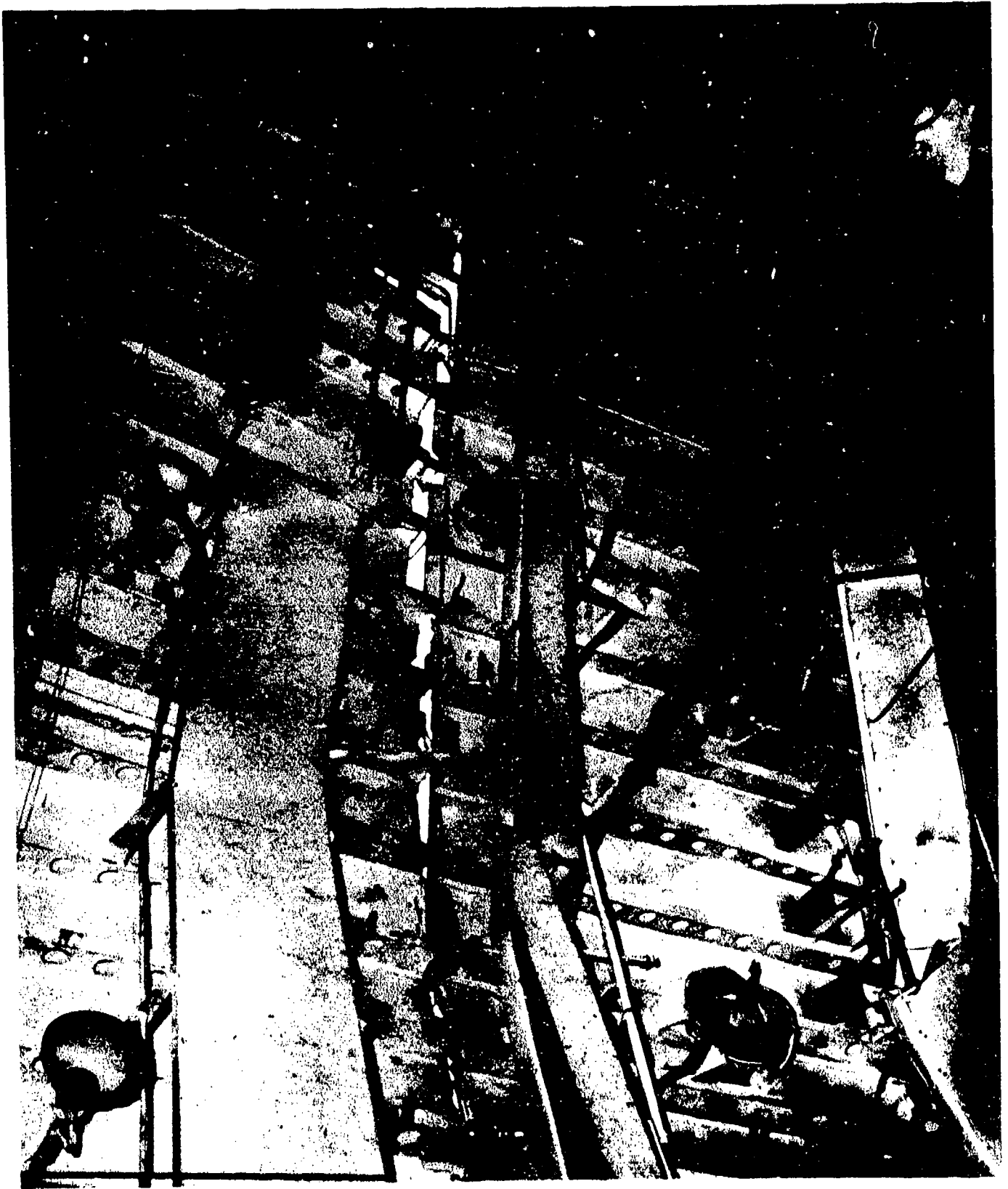
AA-CR-59-2224-11. Underside of flight deck, looking forward along port side from bent 95. Note separation of longitudinals and Bent girder 95.

SECRET

USS INDEPENDENCE (CVL22)

Page 461 of 766 Pages

9625



AA-CR-175-2132-6. Flight deck, showing transverse tear, distortion of Bents 92 and 95, and failure of centerline welded butts in transverse girders. Looking upward, forward and to starboard.

SECRET

Page 462 of 766 Pages

USS INDEPENDENCE (CVL22)

9625

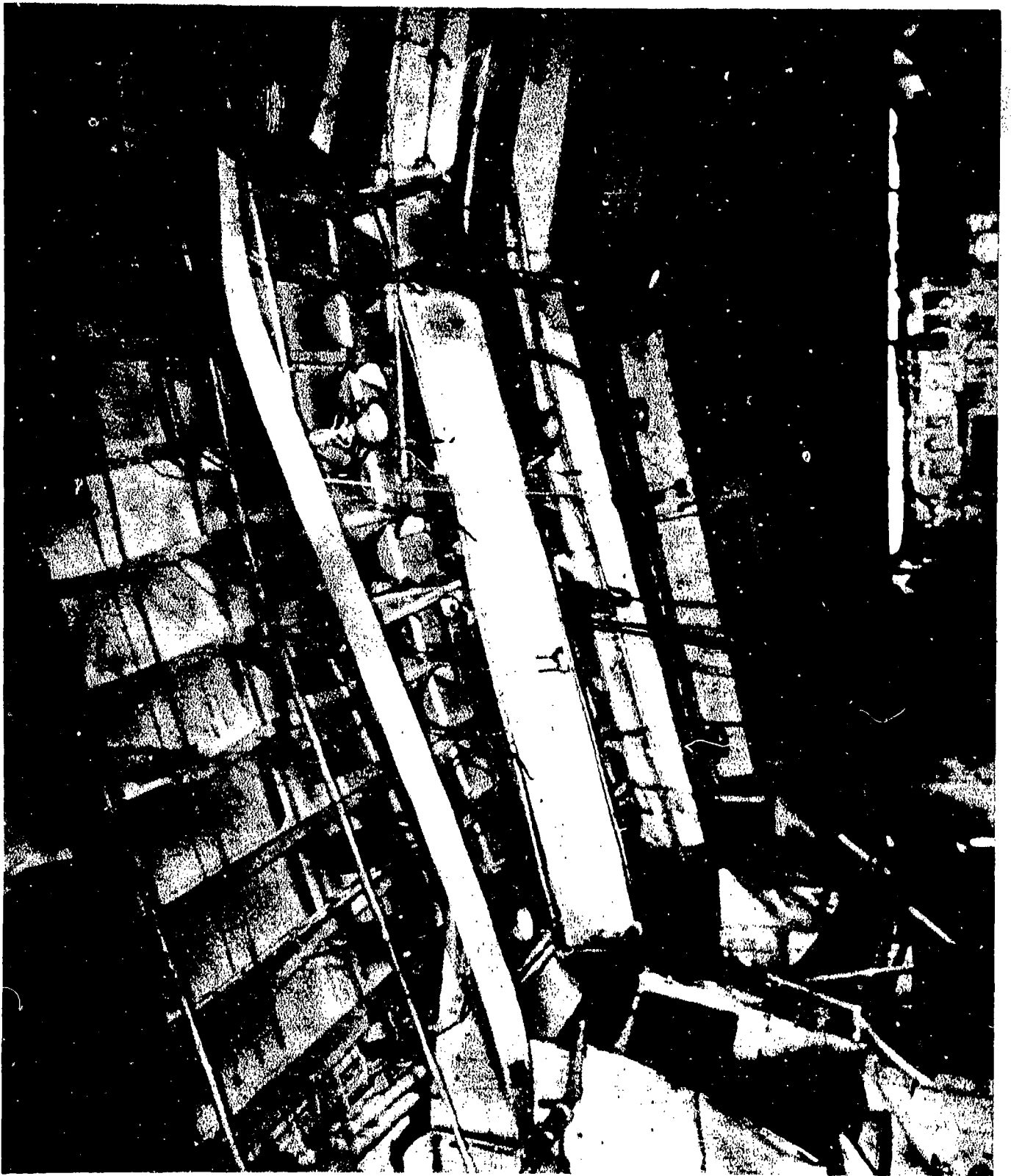


AA-CR-175-2118-11. Centerline joints, flight deck bents 89, 92 and 95 from bent 86.

SECRET

USS INDEPENDENCE (CVL22)
Page 463 of 766 Pages

9625



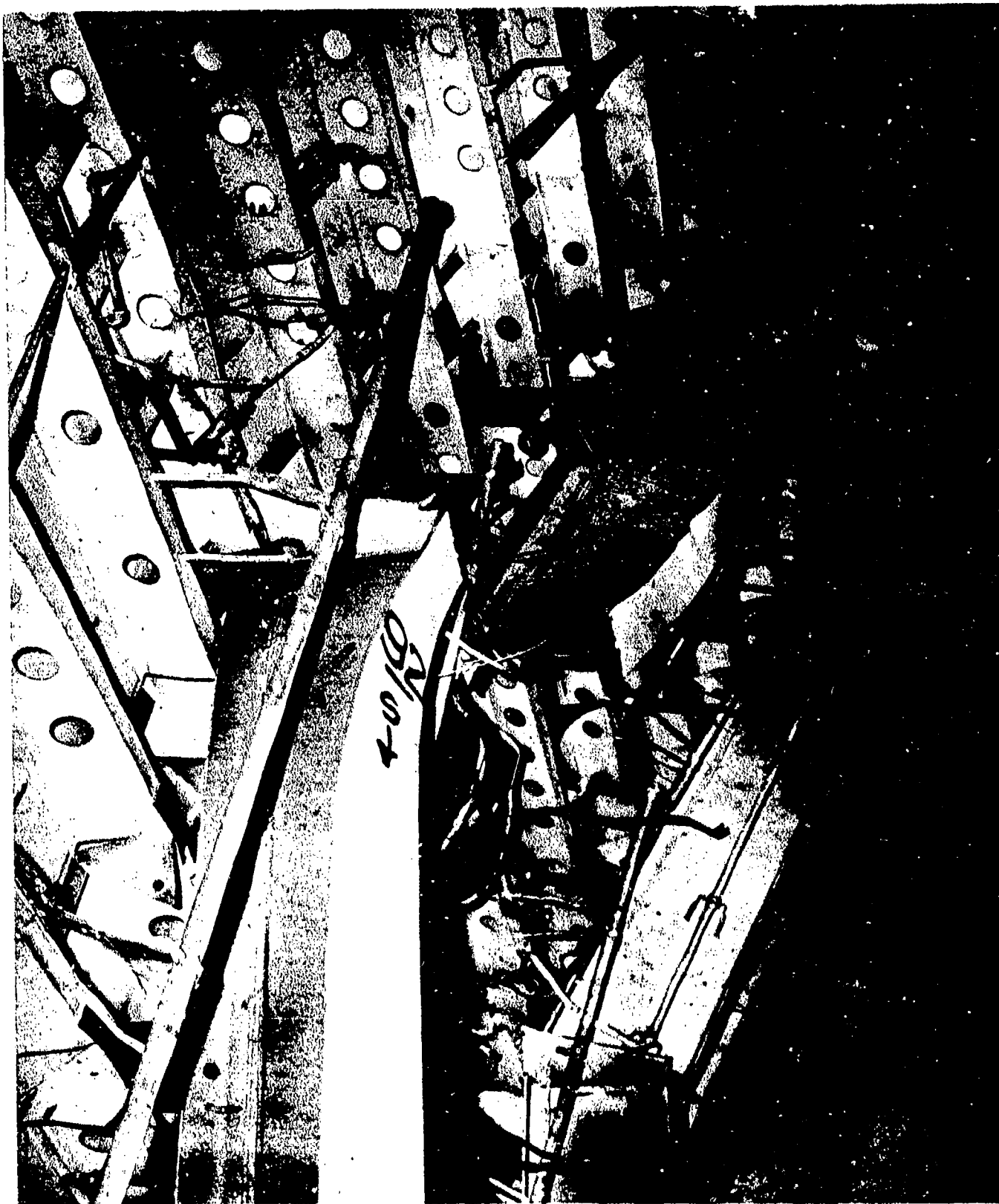
AA-CR-175-2131-12. Failures in flight deck bent girders 92, 95 and 98, looking aft along centerline.

SECRET

USS INDEPENDENCE (CVL22)

Page 464 of 766 Pages

9625



AA-CR-59-4149-8. Flight deck Bent girder 92, looking up, aft and to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 465 of 766 Pages

9625



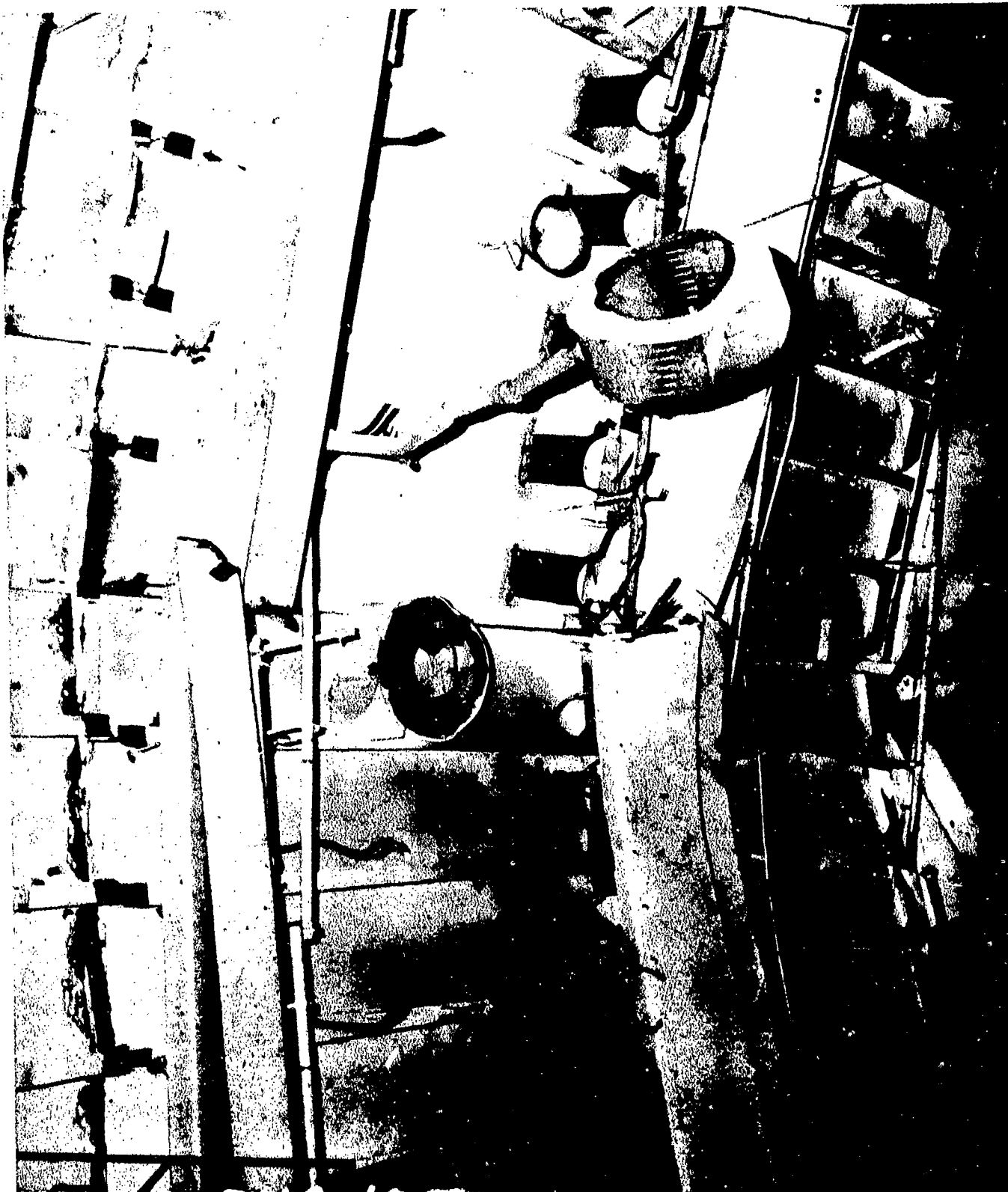
AA-CR-59-2224-9. Flight deck bent girder 92, looking to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 466 of 766 Pages

9625



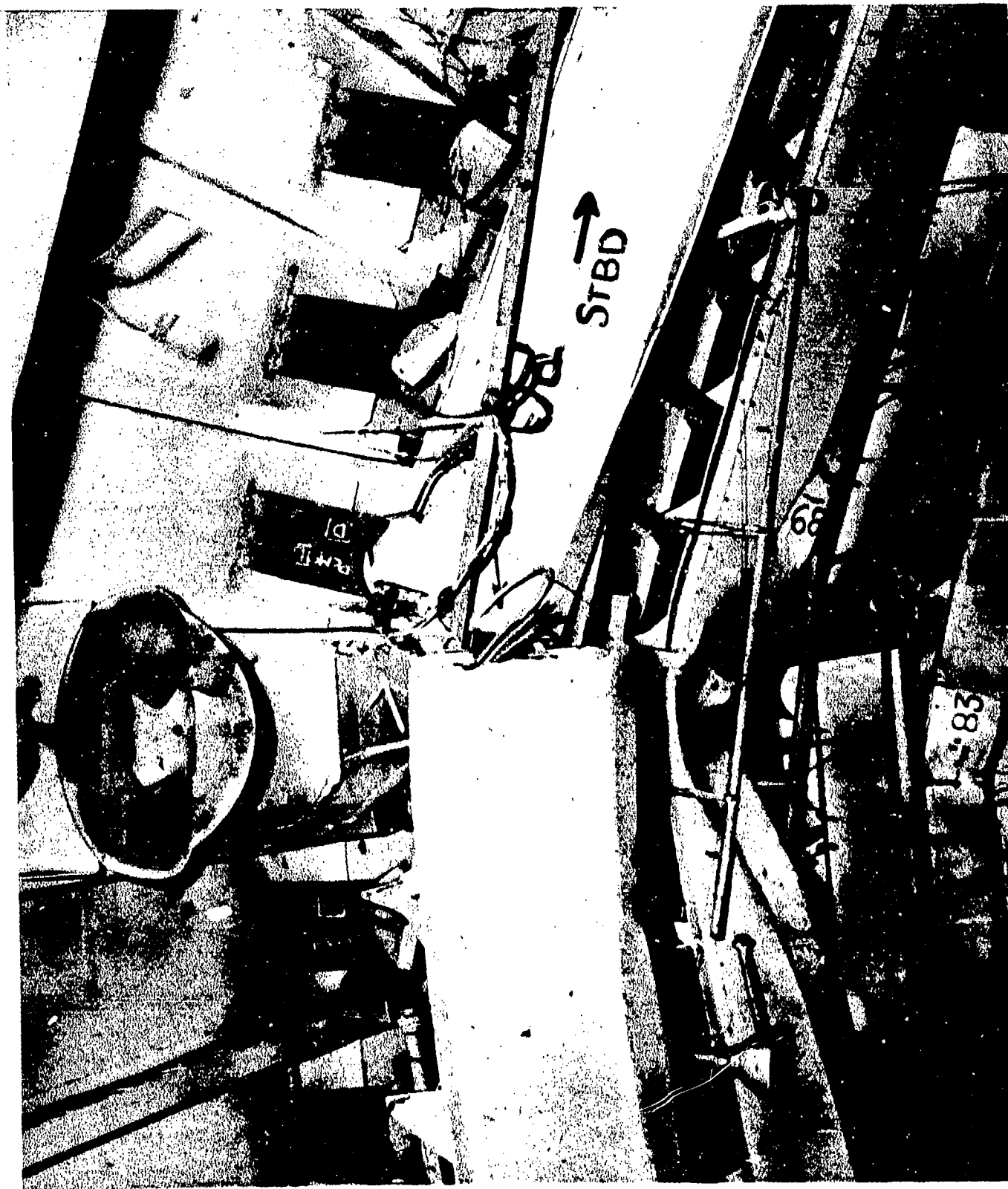
AA-CR-175-2118-10. Flight deck Bents 92 and 95, showing deformation and failure of welded butts and centerline, and welds joining girders to deck longitudinals. Looking forward.

SECRET

Page 467 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



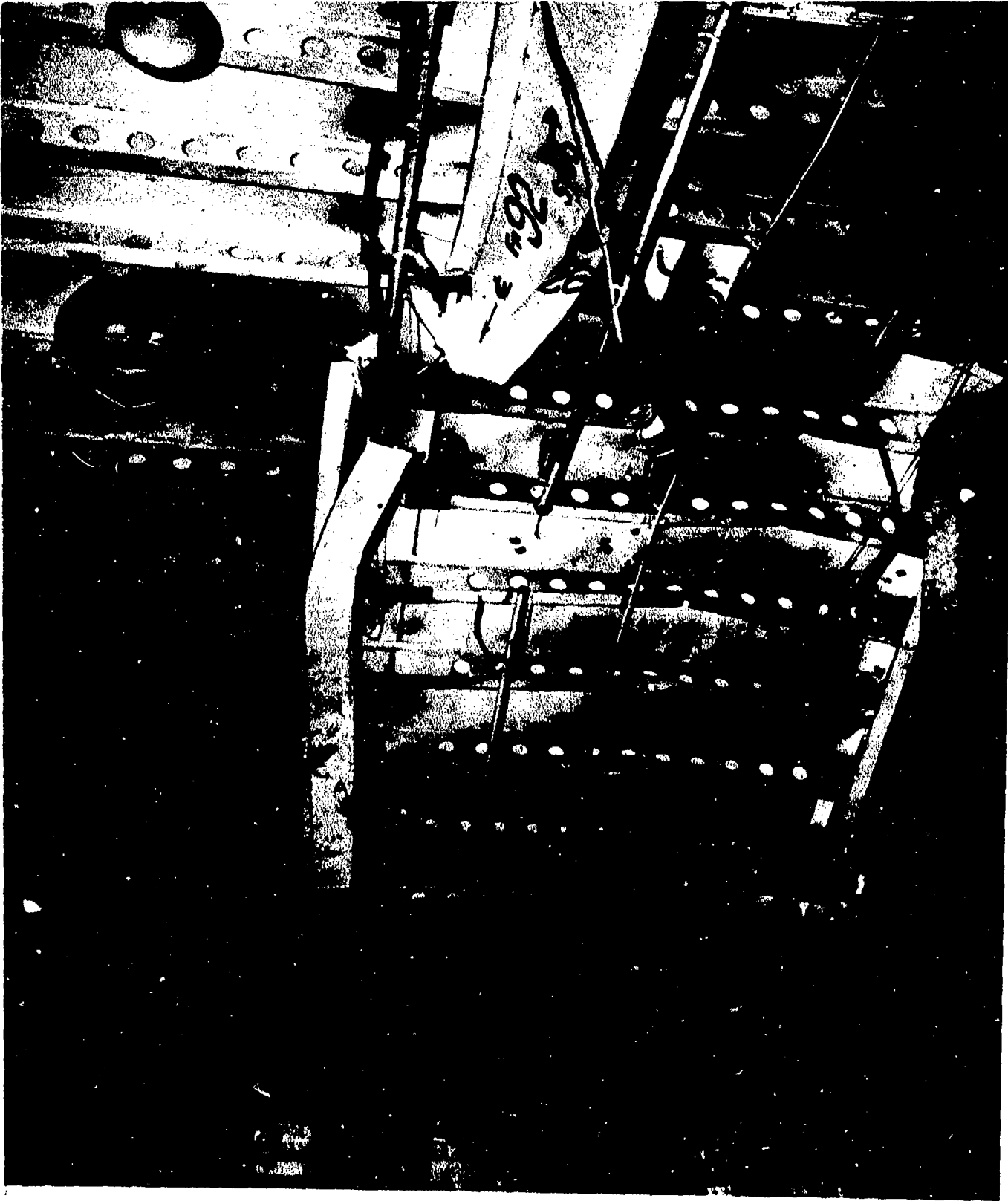
AA-CR-59-2224-10. Underside of flight deck, looking forward at center-line joints of bent girders 92, 89, 86 and 83.

SECRET

USS INDEPENDENCE (CVL22)

Page 468 of 766 Pages

9625



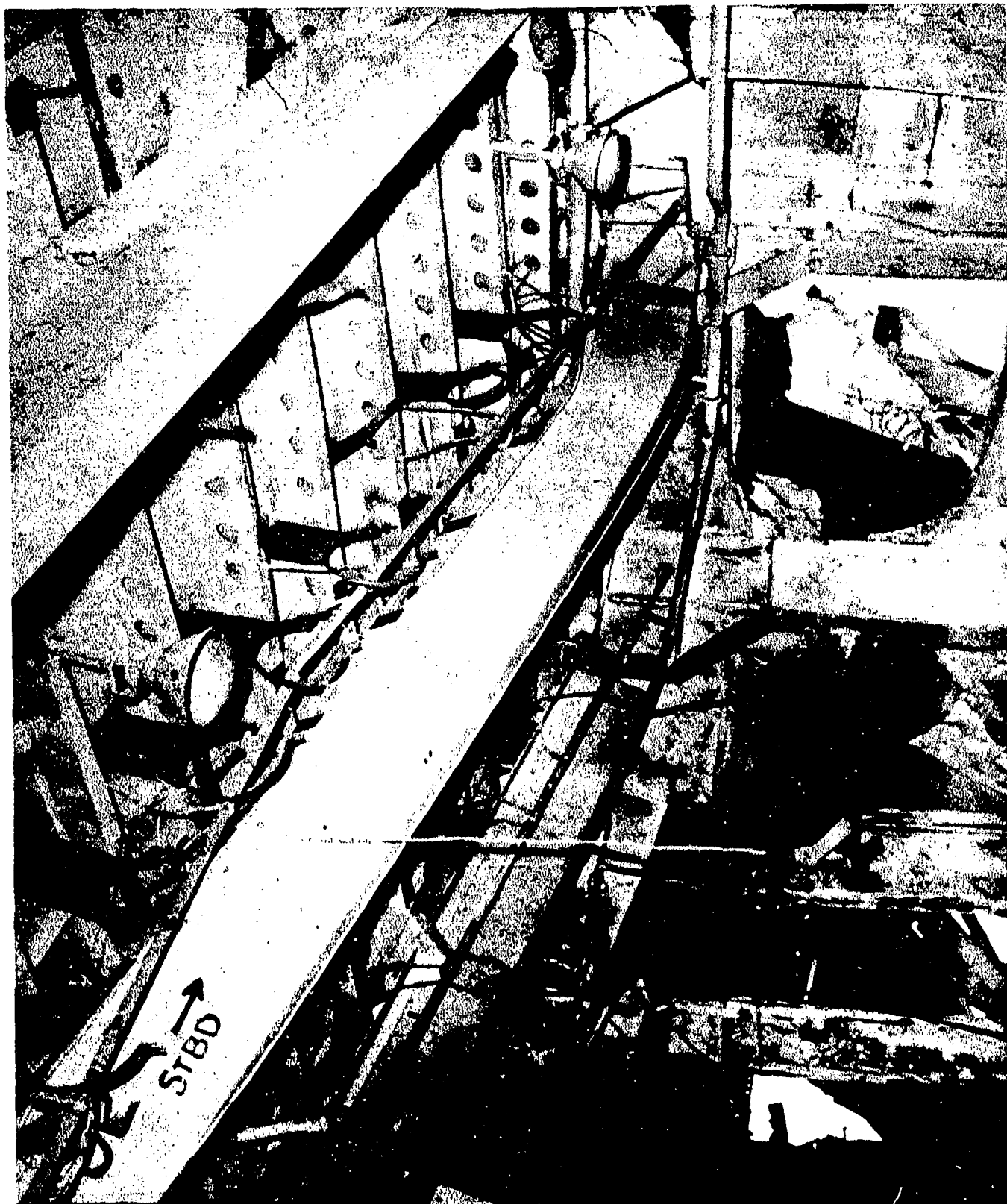
AA-CR-100-4161-6. Underside of flight deck showing separation of girder 92, looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 469 of 766 Pages

9625



AA-CR-59-2224-12. Flight deck Bents 92 and 95, starboard side, showing deformation of transverse girders, weld failures and separations of girders and deck longitudinals. Looking forward and starboard.

SECRET

Page 470 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AA-CR-59-4149-7. Flight deck Bent 92. Starboard upper corner, looking aft.

SECRET

USS INDEPENDENCE (CVL22)
Page 471 of 766 Pages

9625

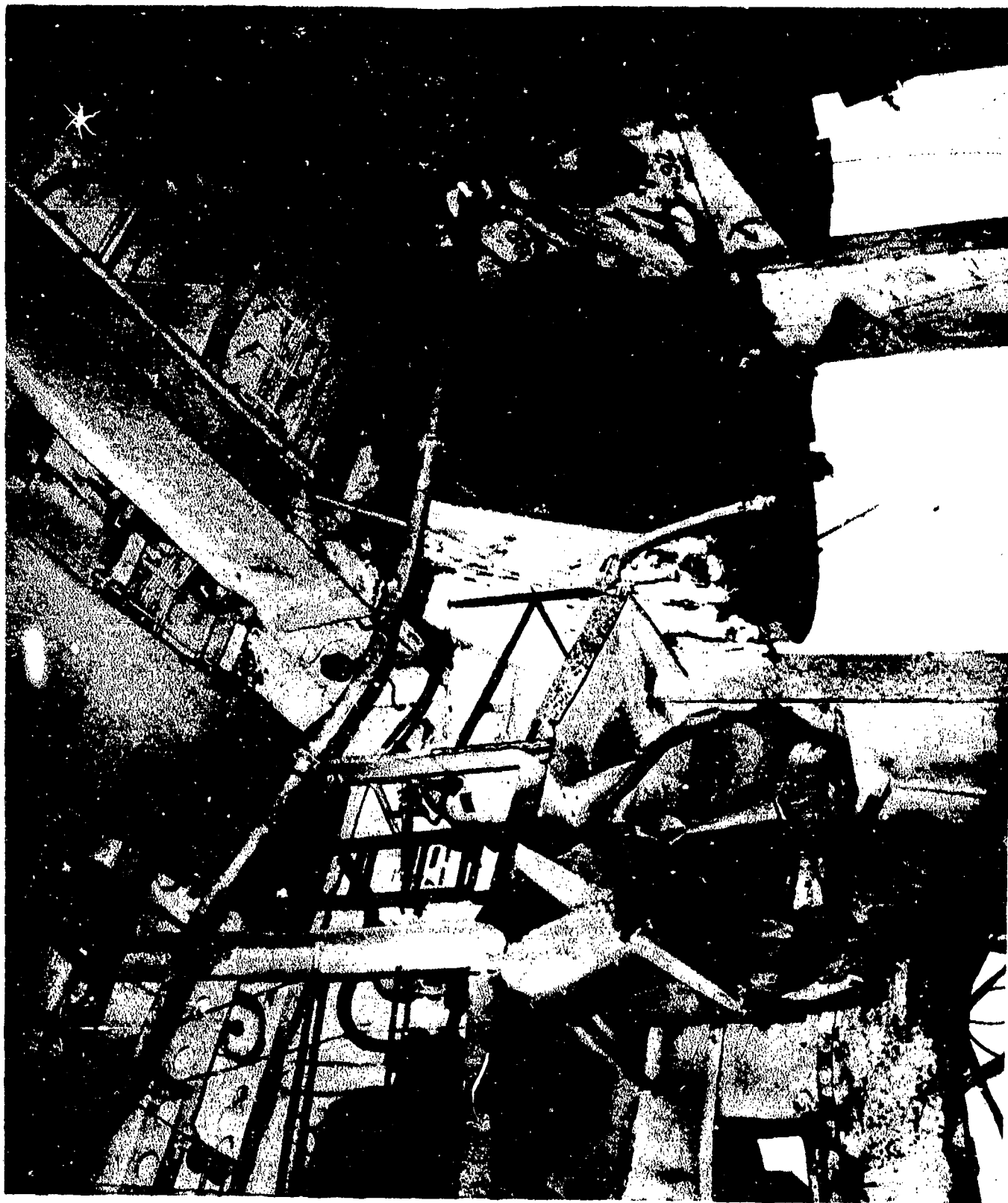


AA-CR-80-4187-8. After Baker - Flight deck Bent 92, starboard bottom, looking starboard and slightly forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 472 of 766 Pages

9625



AB-CR-80-4187-10. After Baker. Flight deck Bent 95, port top, looking port and forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 473 of 766 Pages

9625



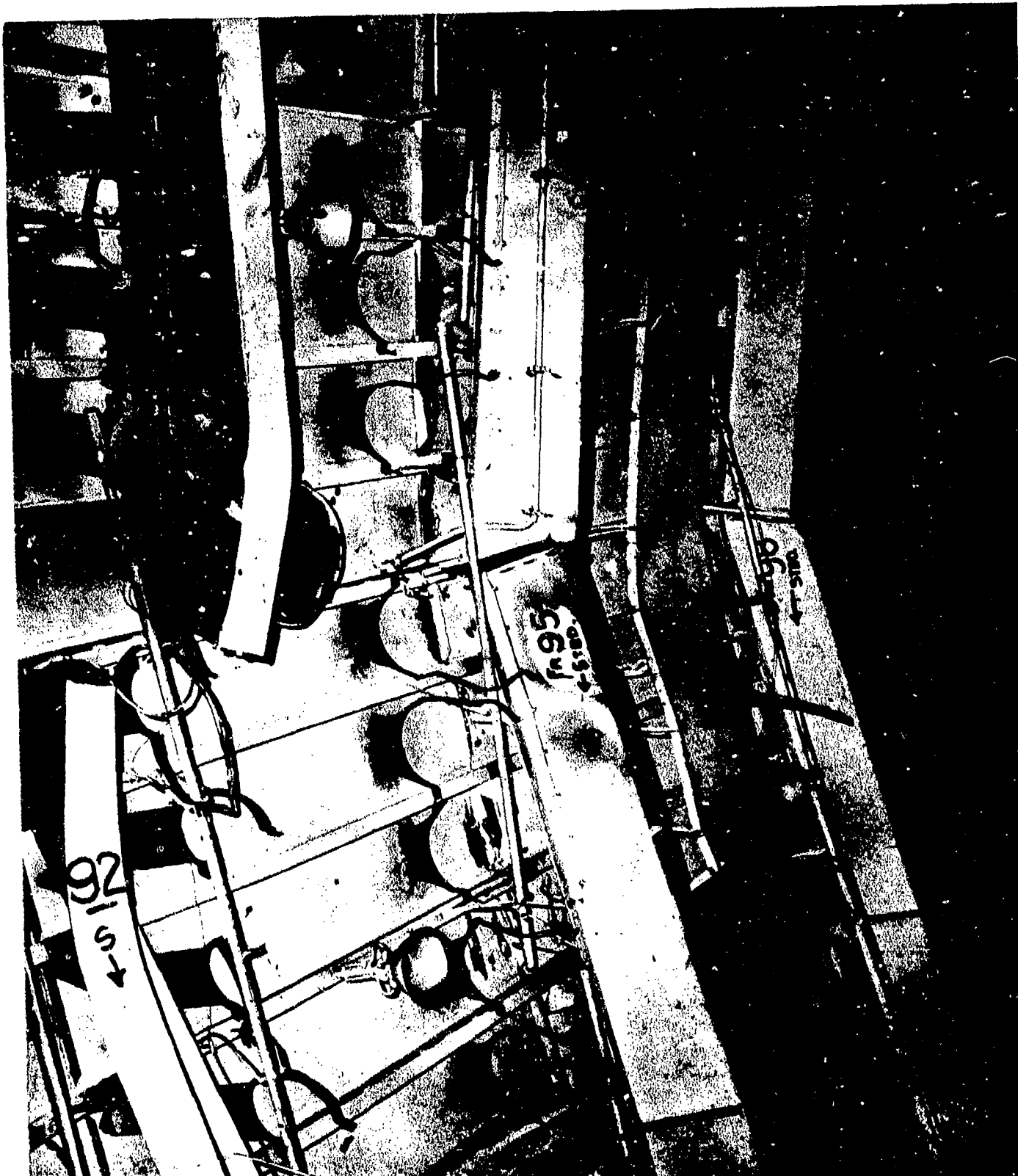
AA-CR-59-4152-9. Flight deck Bent 95, port side showing failure of overhead connection in fillet welds along upper edge of bracket. Looking forward and to port.

SECRET

Page 474 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



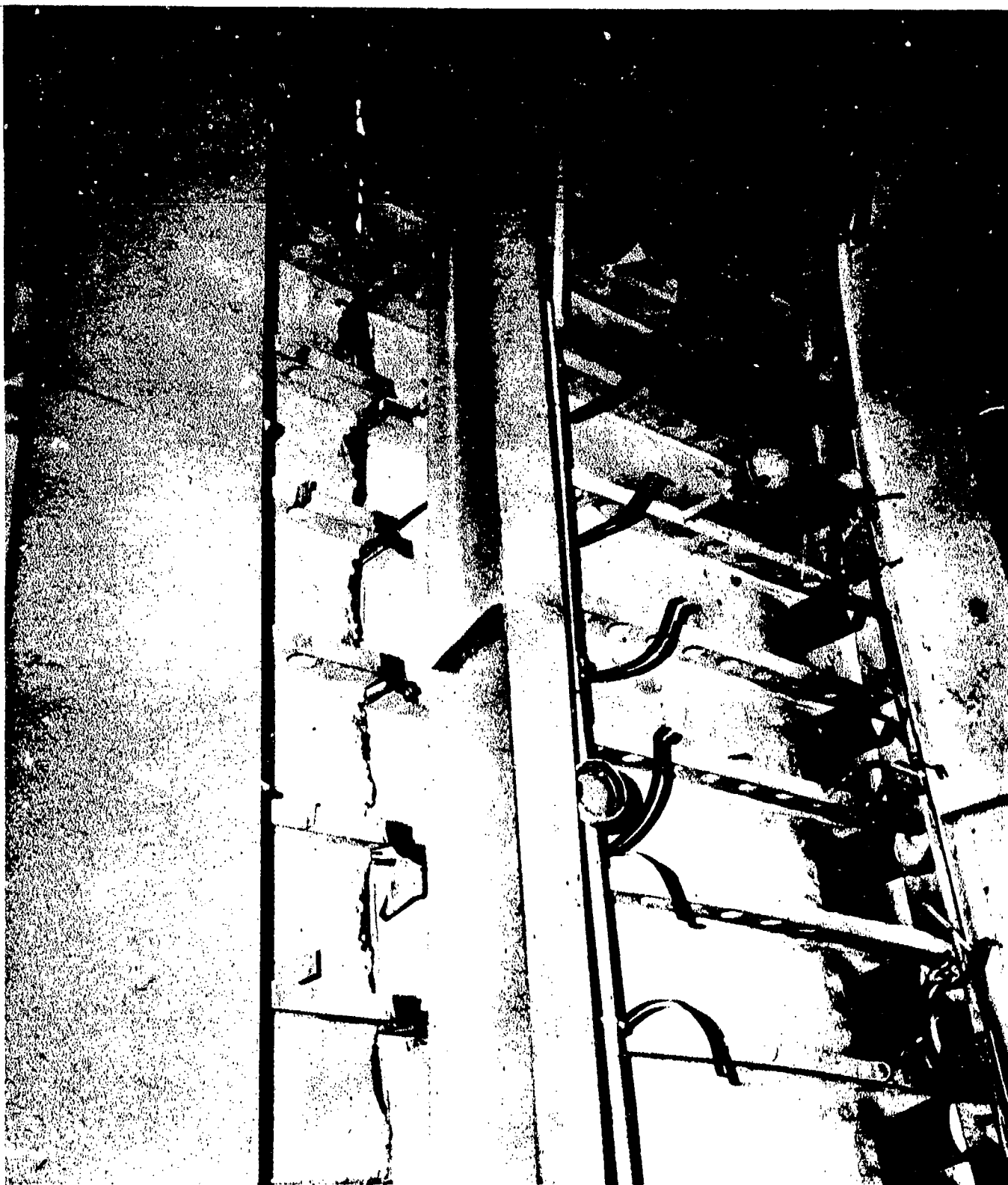
AA-CR-59-4152-11. Flight deck and flight deck bents 92, 95, 98, and 101, showing transverse tear in deck, deformation of transverse girders 95, 98, 101, and complete failure of welded centerline butt in girder 92, Looking aft and upward.

SECRET

USS INDEPENDENCE(CVL22)

Page 475 of 766 Pages

9625



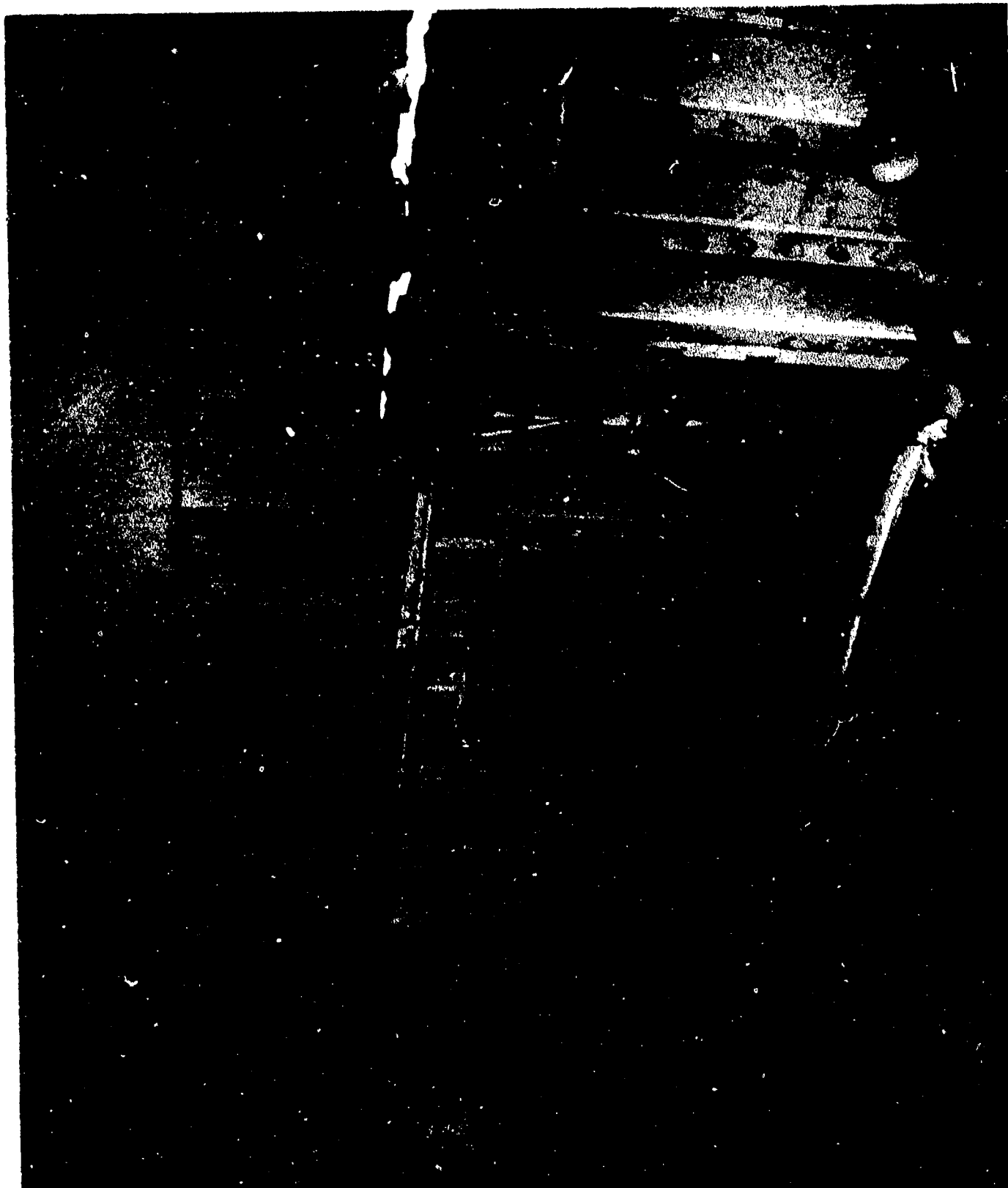
AA-CR-175-2132-8. Flight deck and flight deck Bents 92 and 95, showing tear in deck, distortion of Bents and failure of welded joints in transverse girders and, between girders and deck longitudinals. Looking forward and upward.

SECRET

Page 476 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



AA-CR-100-4161-7. Underside of flight deck. Bents 92 and 95, looking to port.

SECRET

USS INDEPENDENCE (CVL22)
Page 477 of 766 Pages

9625



AA-CR-59-2225-1. Flight deck and Bent 95, showing tear in deck and failure of transverse girder at welded centerline butt. Looking to starboard.

SECRET

Page 478 of 766 Pages

USS INDEPENDENCE(CVL22)

9625



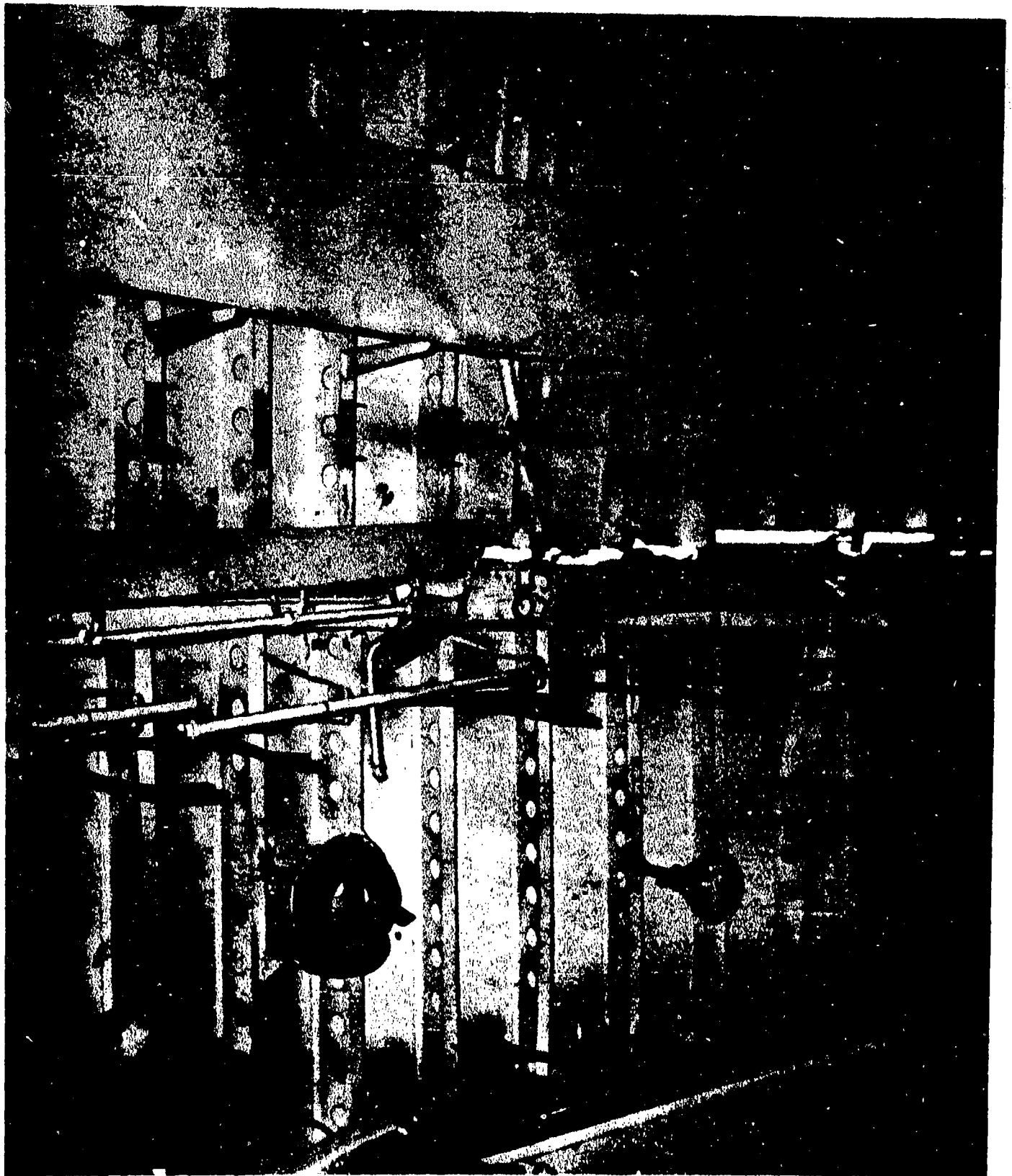
AA-CR-59-2225-2. Flight deck at Bent 95, looking to starboard, showing transverse tear in deck plating on port side of centerline.

SECRET

USS INDEPENDENCE (CVL22)

Page 479 of 766 Pages

9625



AA-CR-59-4150-7. Flight deck and flight deck Bents 92 and 95, showing tear in deck and failure of transverse girders in welded butts at center-line. Looking to starboard.

SECRET

Page 480 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



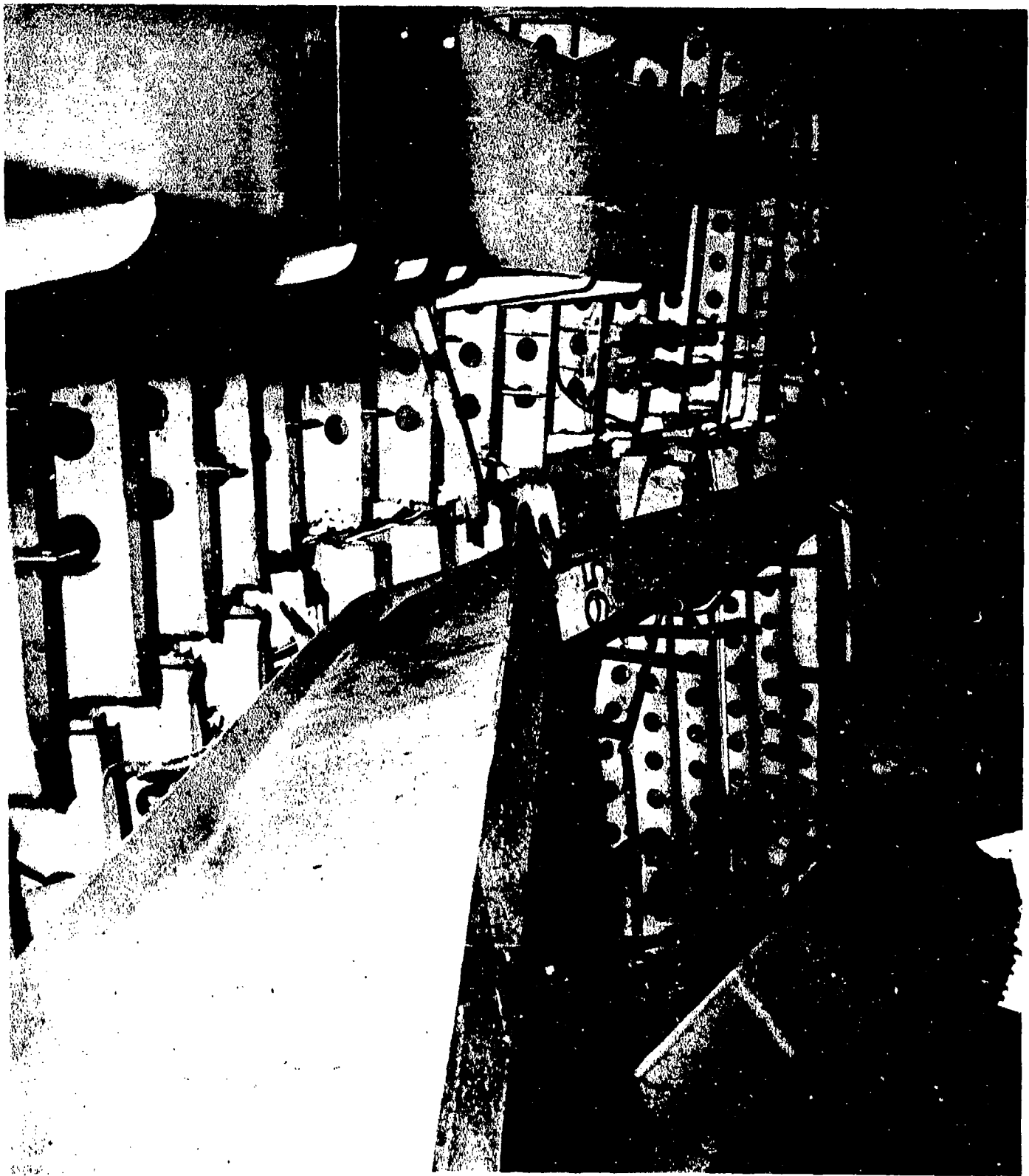
AA-CR-59-4151-3. Flight deck Bent 95, looking to port at centerline break. Note transverse tear in flight deck.

SECRET

USS INDEPENDENCE (CVL22)

Page 481 of 766 Pages

9625



AA-CR-59-4152-10. Flight deck Bent 95, looking to starboard. Note that flight deck is torn and longitudinals are free at girder.

SECRET

USS INDEPENDENCE (CVL22)

Page 482 of 766 Pages

9625



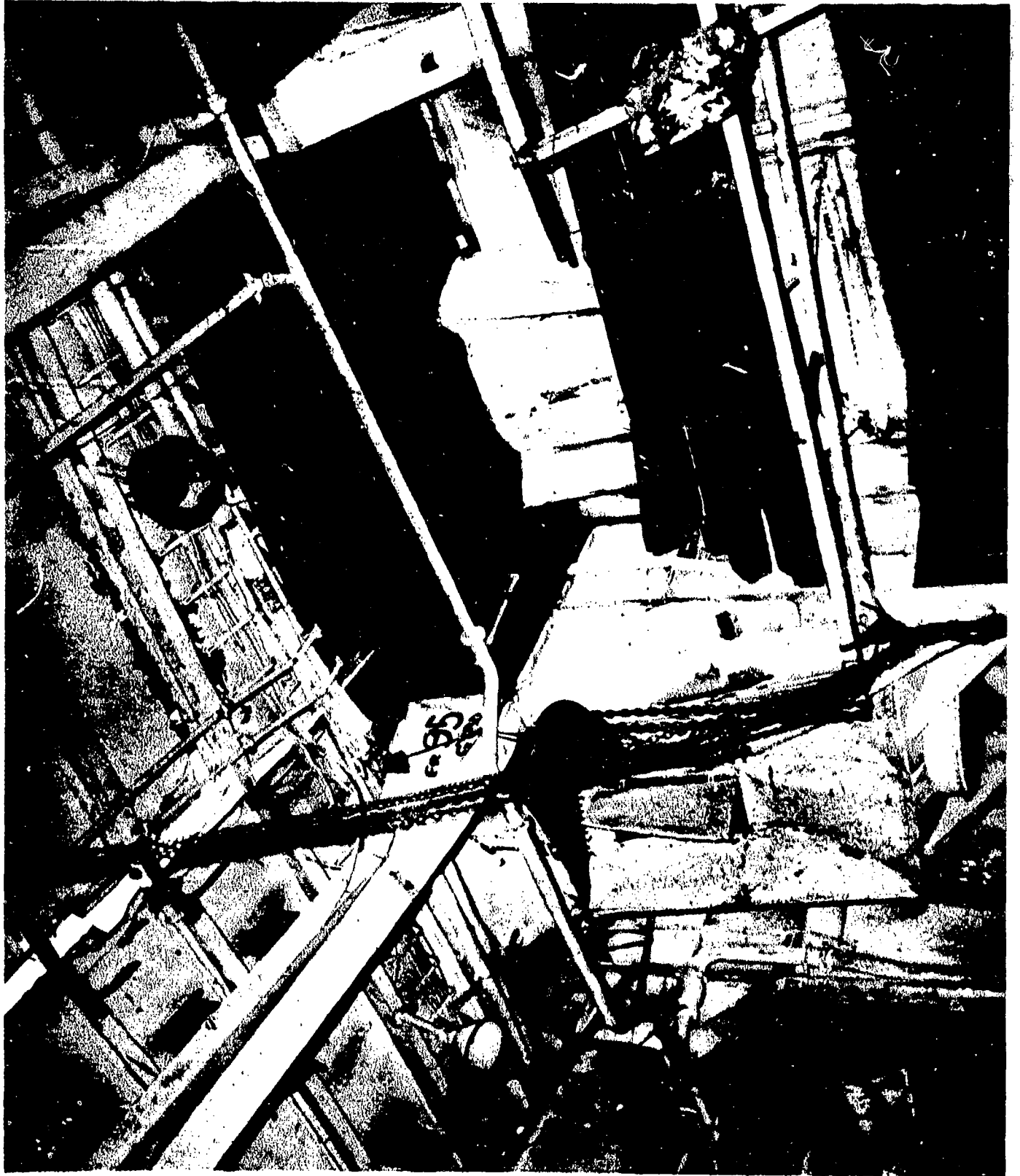
AA-CR-59-4151-1. Flight deck Bent 95, showing failure of transverse girder at welded centerline butt. Looking aft and to starboard.

SECRET

Page 483 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



AB-CR-80-170-1. After Baker. Flight deck Bent 95, starboard top, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 484 of 766 Pages

9625



AB-CR-80-4187-11. After Baker - Flight deck Bent 95, port bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 485 of 766 Pages

9625



AB-CR-80-4187-12. After Baker. Flight deck Bent 95, starboard bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 486 of 766 Pages

9625



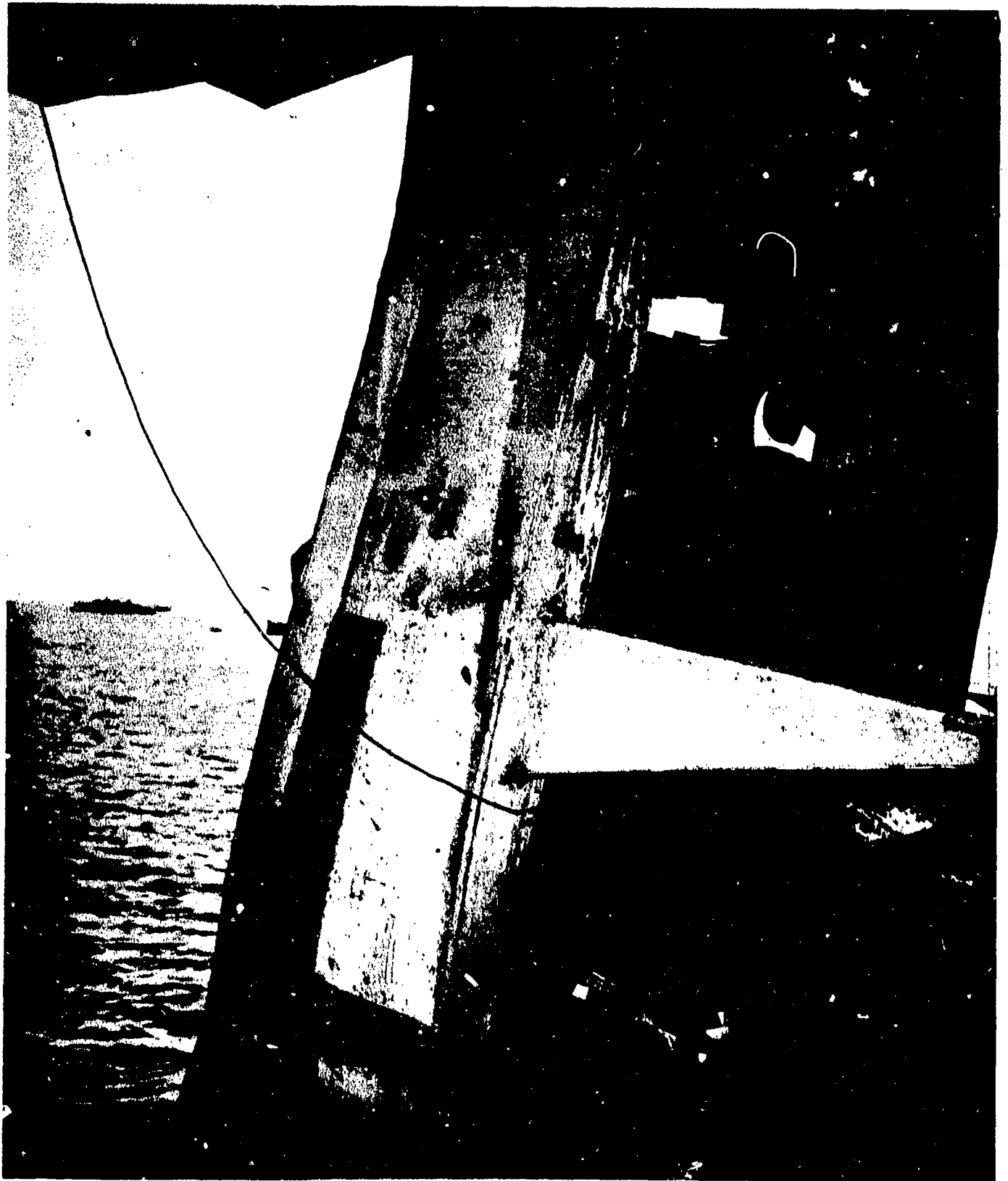
AA-CR-100-4161-2. Weld failure of port side connection of flight deck Bent 98 to S.T.S. shear strake. Looking inboard and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 487 of 766 Pages

9625



AA-CR-80-170-2. After Baker. Flight deck Bent 98, port bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 488 of 766 Pages

9625



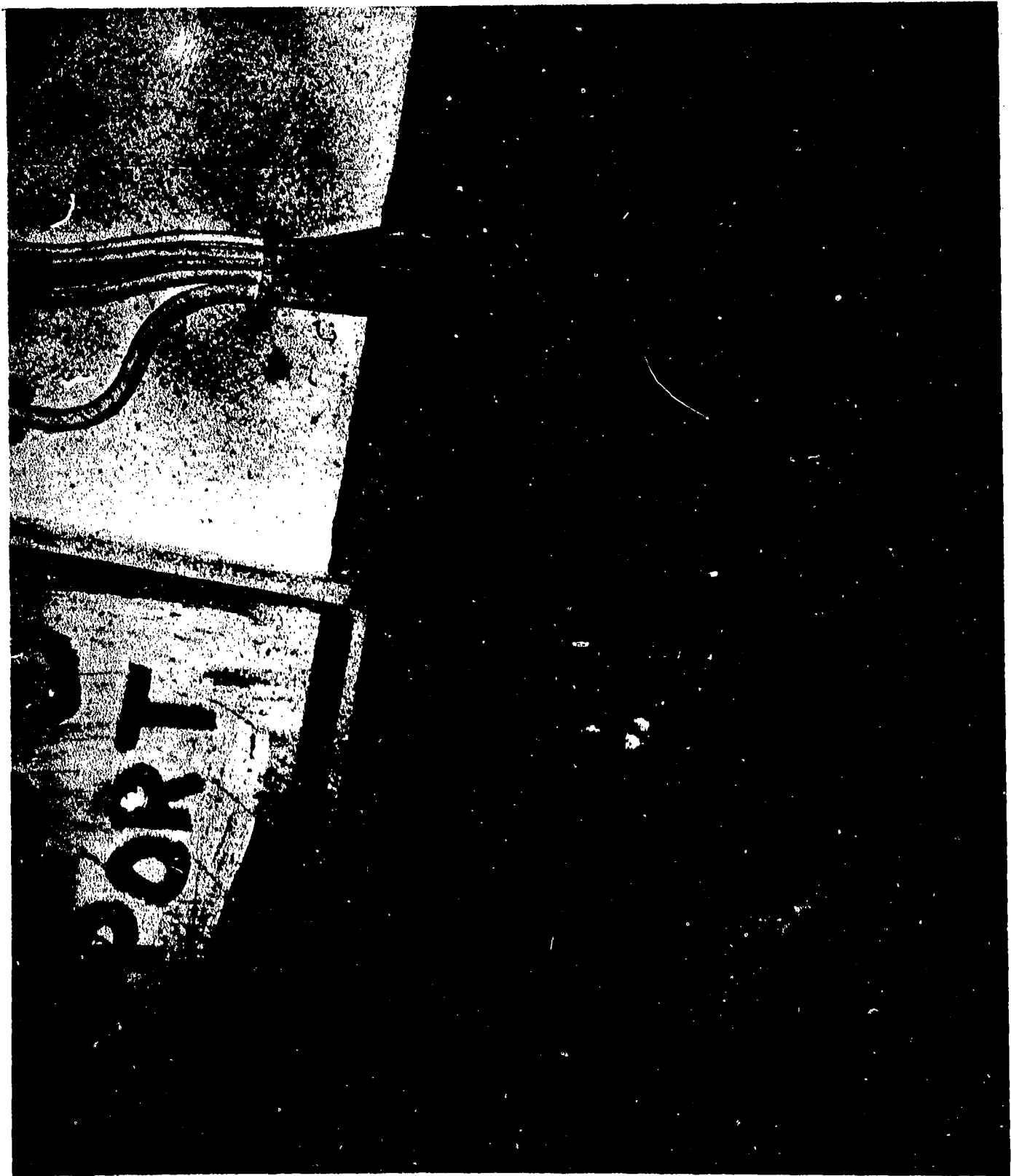
AA-CR-100-165-8. Flight deck Bent 98, port side, showing failure of overhead connection in fillet weld along upper edge of bracket. Looking forward.

SECRET

Page 489 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



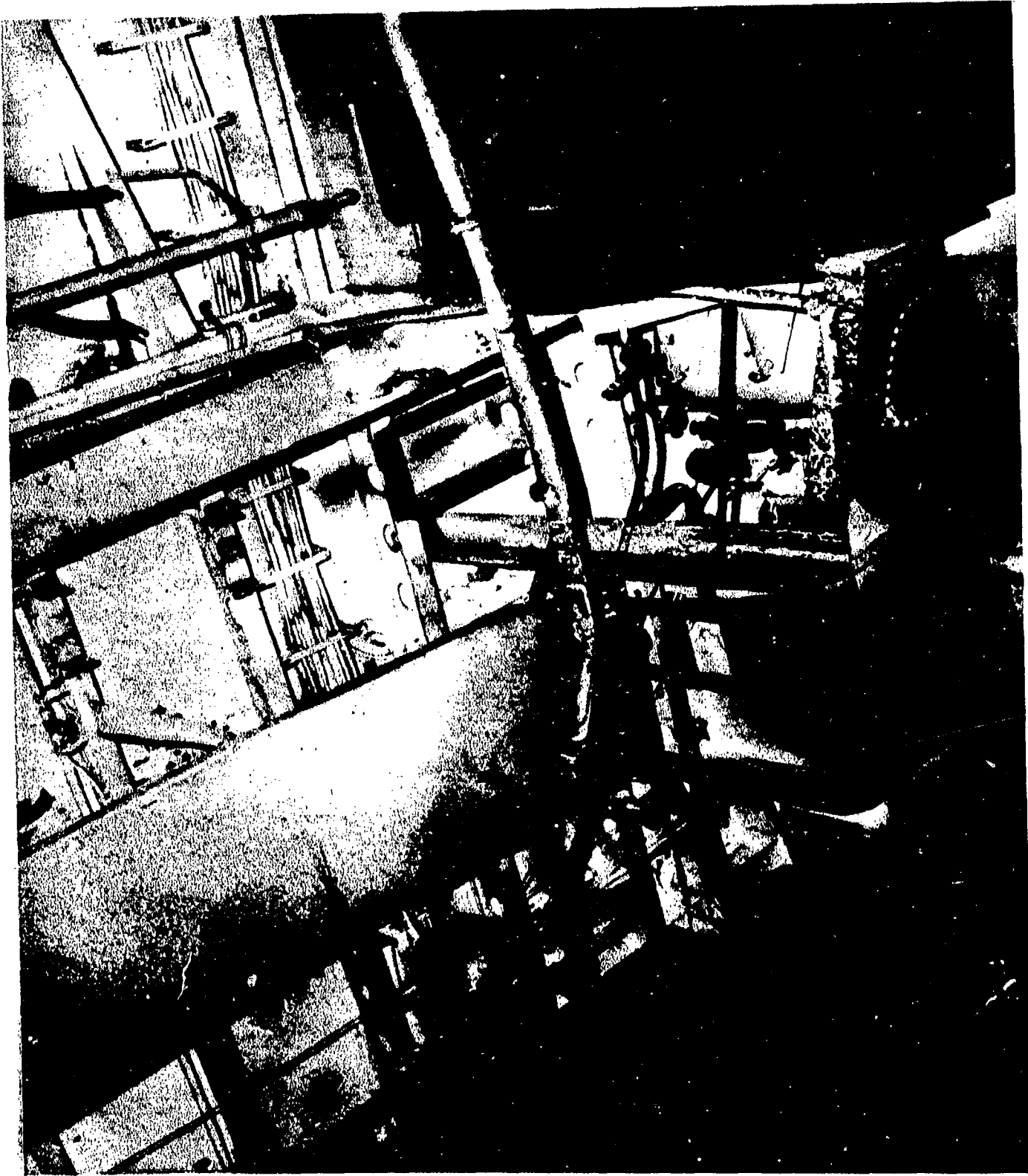
AA-CR-59-4152-8. Flight deck Bent 98, port side, showing failure of overhead connection in fillet welds along upper edge of bracket. Looking aft.

SECRET

Page 490 of 766 Pages

USS INDEPENDENCE (CVL22)

9625



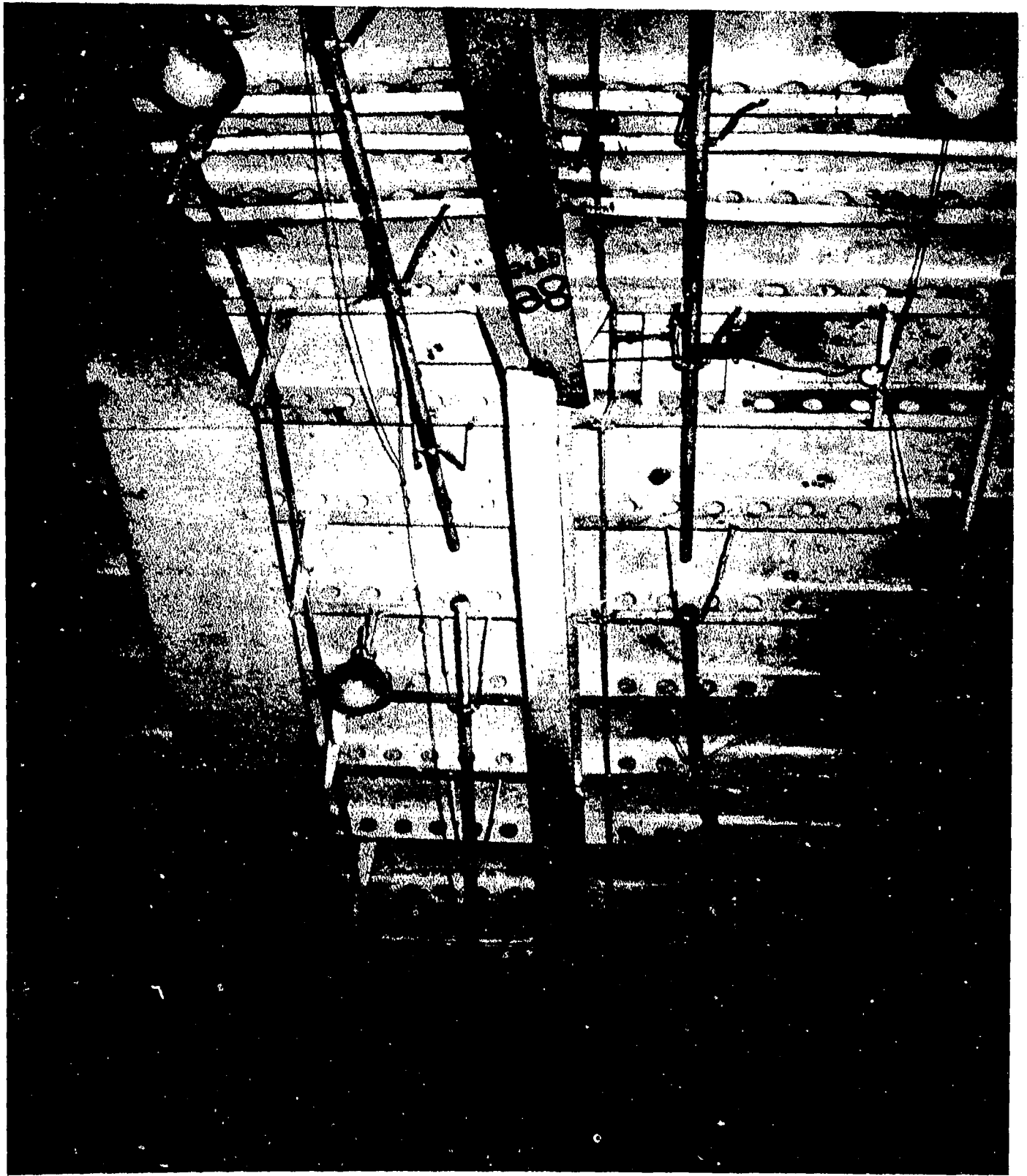
AA-CR-65-958-8. Underside of flight deck, control station, port side, bents 95-98.

SECRET

USS INDEPENDENCE (CVL22)

Page 491 of 766 Pages

9625



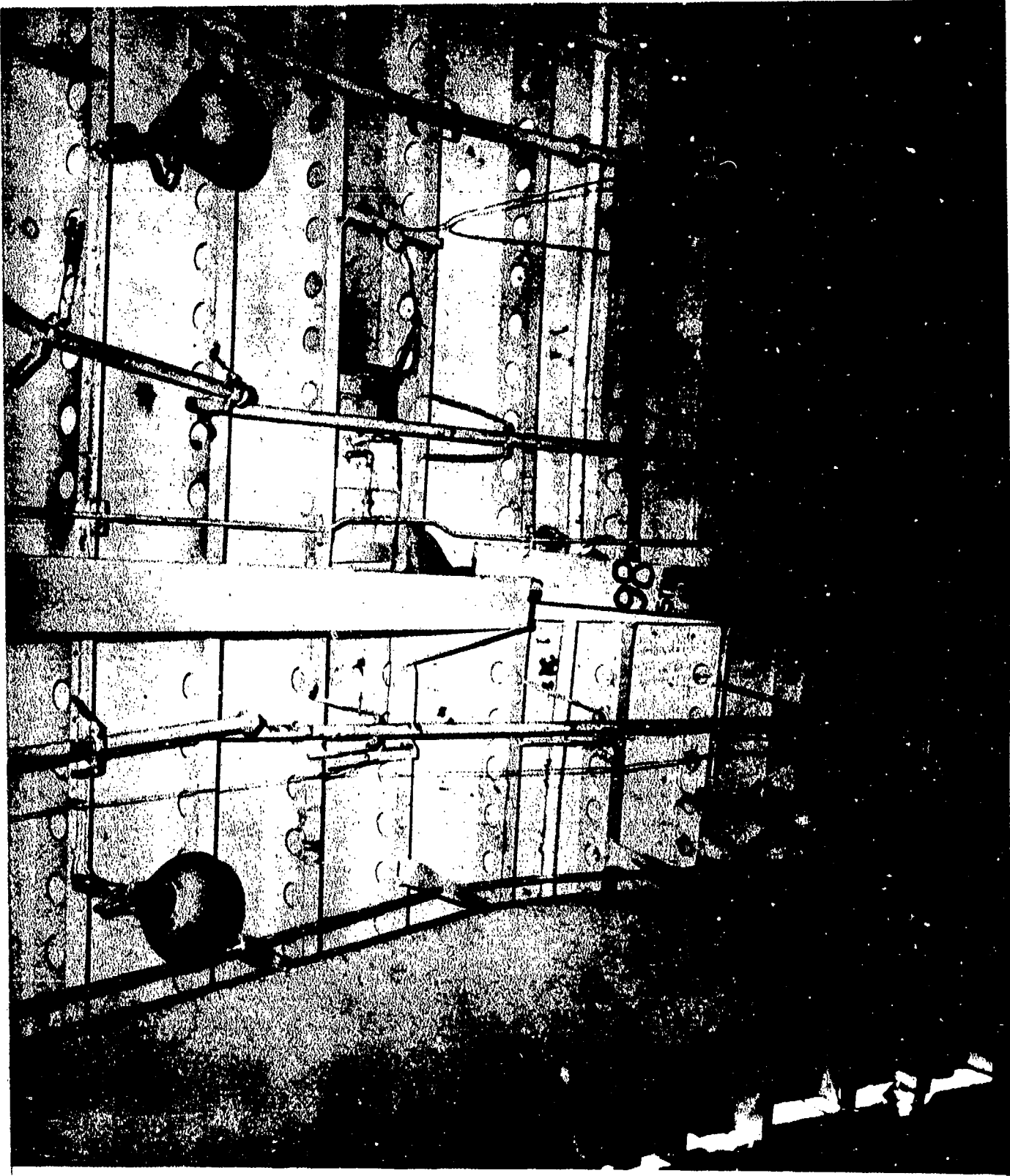
AA-CR-100-4161-8. Flight deck and Bent 98, showing tear in deck plating aft of frame 95, and failure of transverse girder at centerline butt weld. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 492 of 766 Pages

9625



AA-CR-59-4150-8. Flight deck bent 98, looking to starboard.

SECRET

Page 493 of 766 Pages

USS INDEPENDENCE (CVL22)

9625

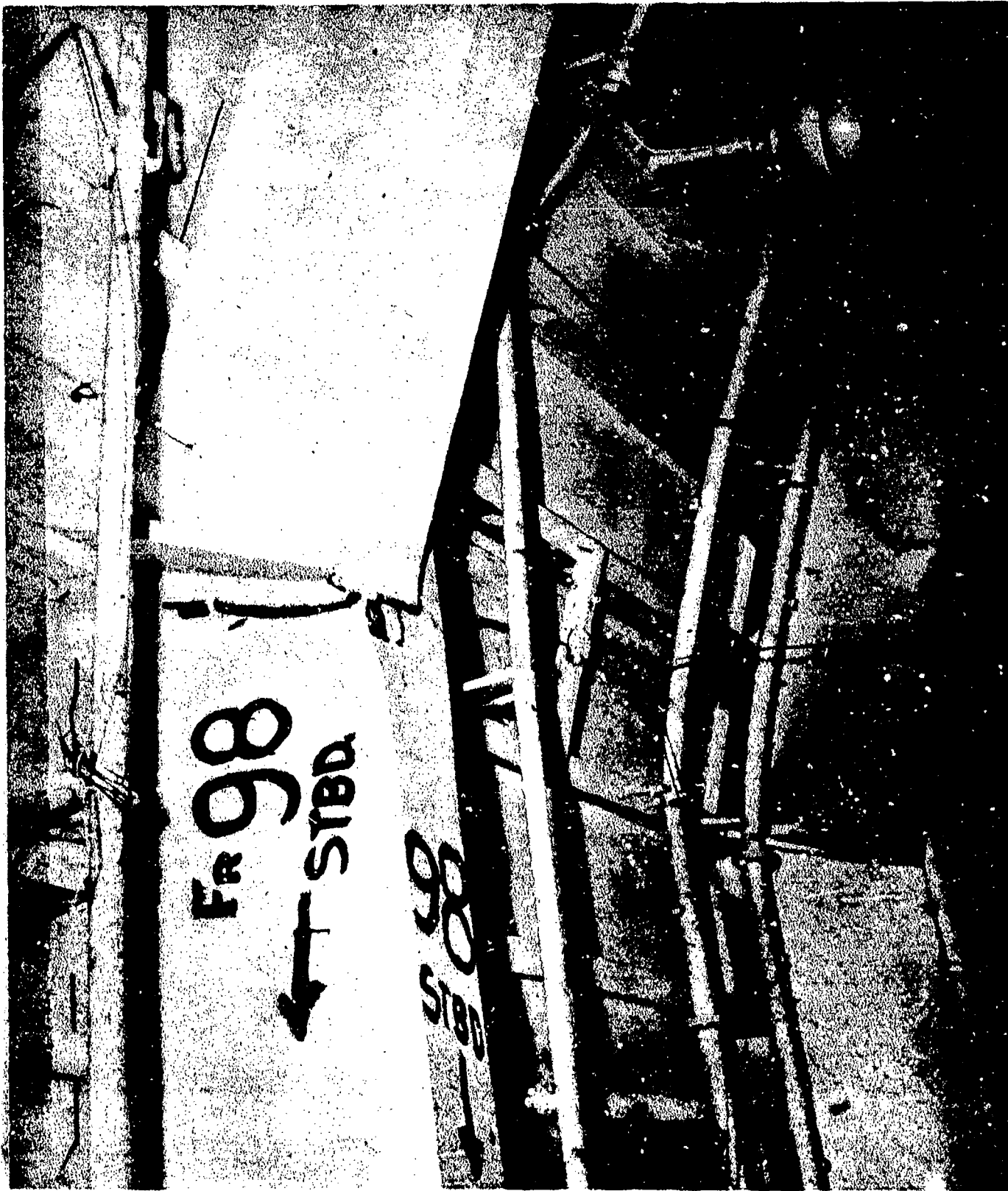


AA-CR-100-4151-4. Flight deck Bent 98, showing failure of centerline butt at weld. Looking aft and to port.

SECRET

USS INDEPENDENCE (CVL22)
Page 494 of 766 Pages

9625



AA-CR-59-4151-2. Flight deck Bent 98, showing failure of Bent at centerline butt weld. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 495 of 766 Pages

9625



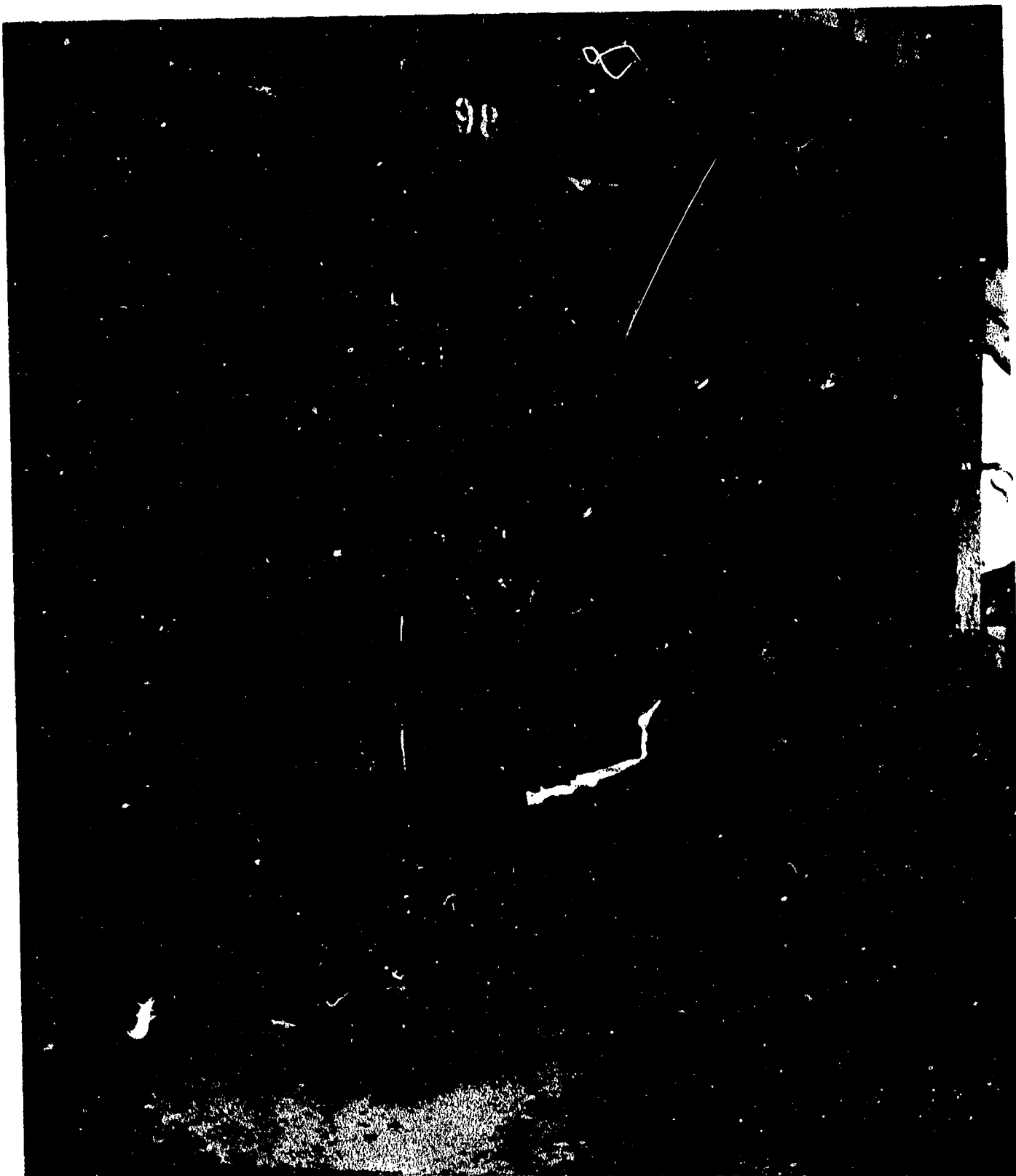
AA-CR-59-4149-9. Flight deck Bent 98, showing failure of overhead connection and origin of failure at edge of weld at top of bracket. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 496 of 766 Pages

9625

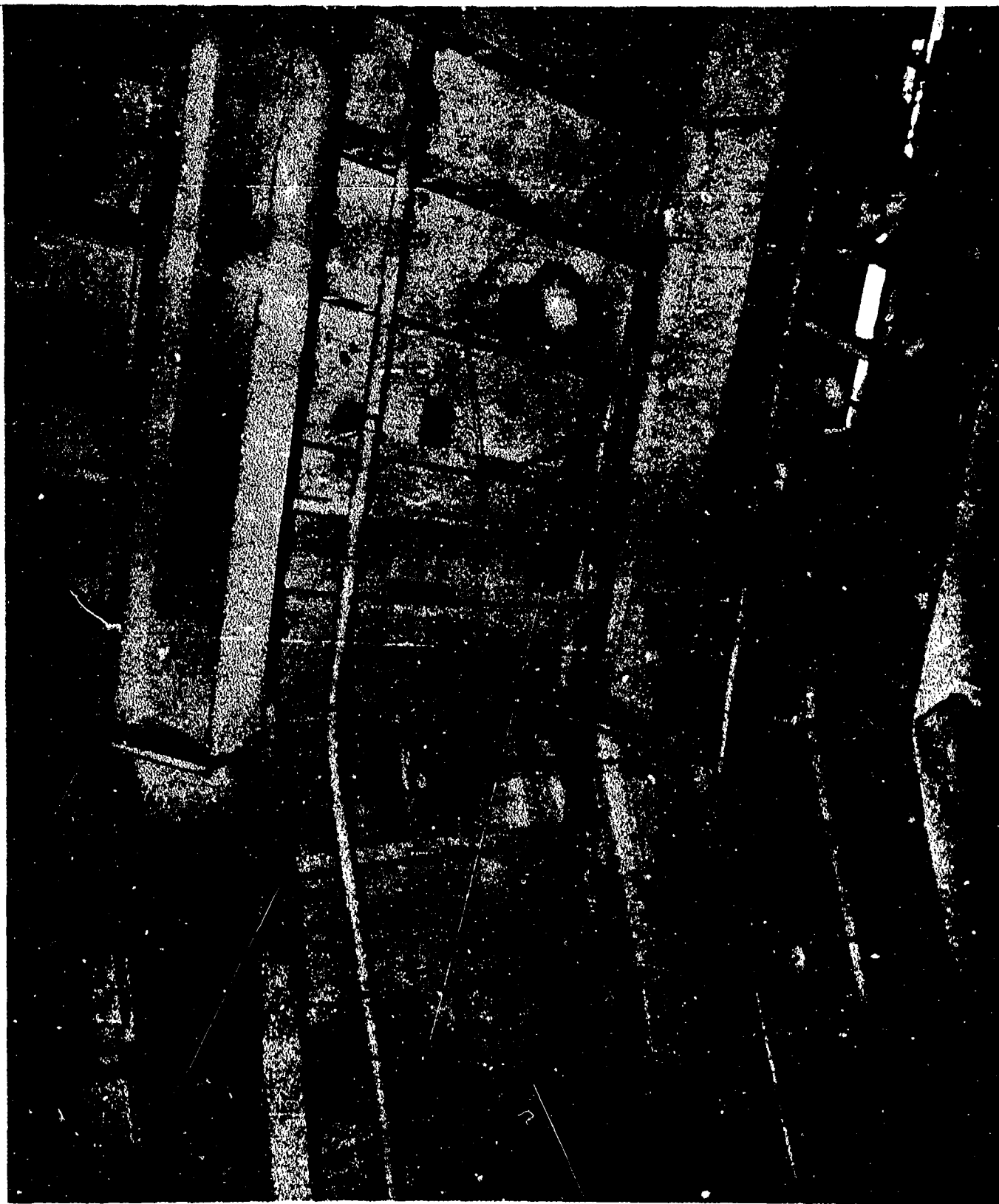


AA-CR-80-170-3. After Baker. Flight deck Bent 98, starboard bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 497 of 766 Pages

9625



AA-CR-175-2118-9. Underside of flight deck, looking forward along centerline at bents 101, 98 and 95.

SECRET

Page 498 of 766 Pages

USS INDEPENDENCE (CVL22)

3625

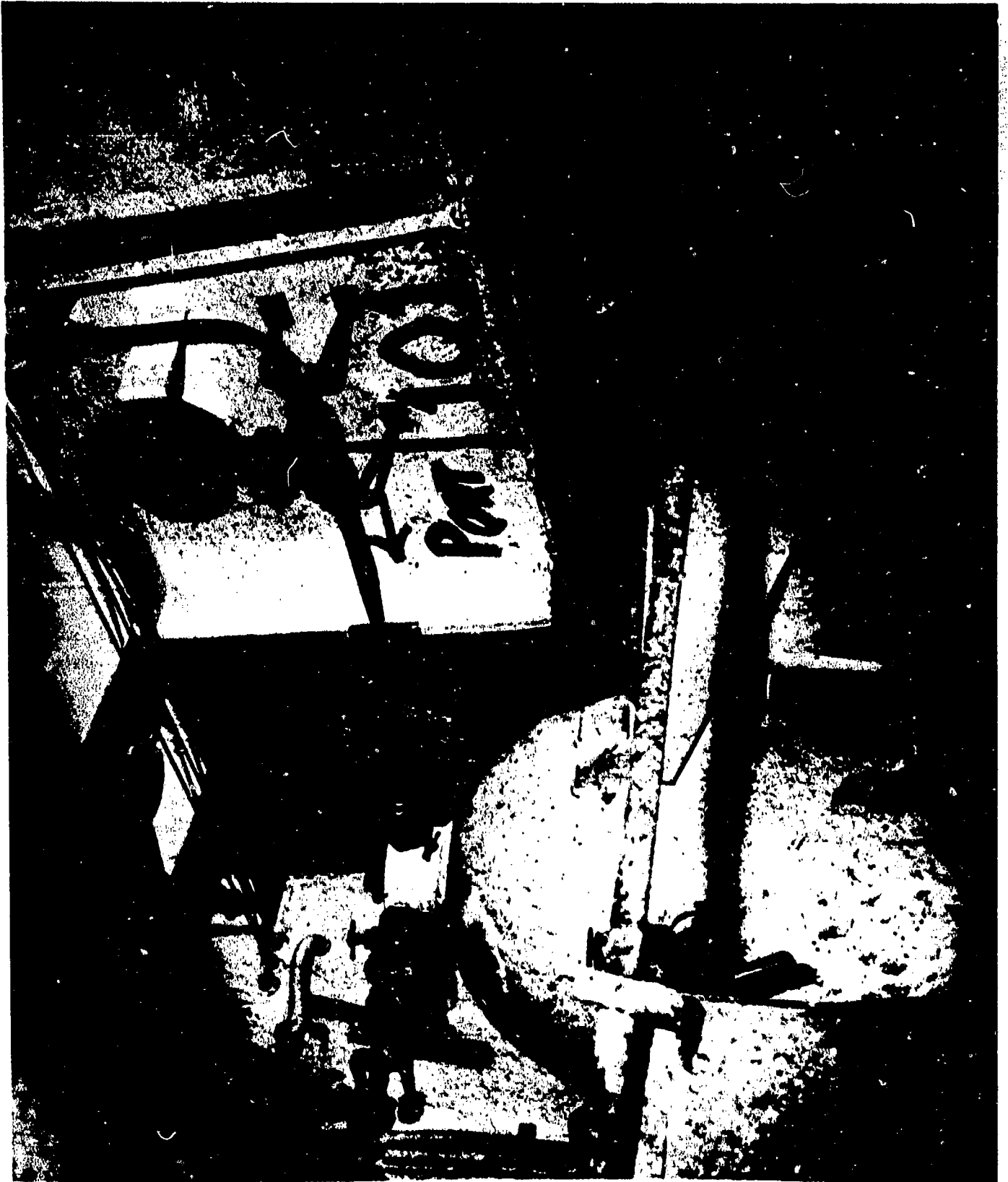


AB-CR-80-170-4. After Baker. Flight deck Bent 101, port bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)
Page 499 of 766 Pages

9625



AA-CR-59-4152-6. Flight deck Bent 101, port side, failure of overhead connection in weld along upper edge of bracket. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 500 of 766 Pages

9625



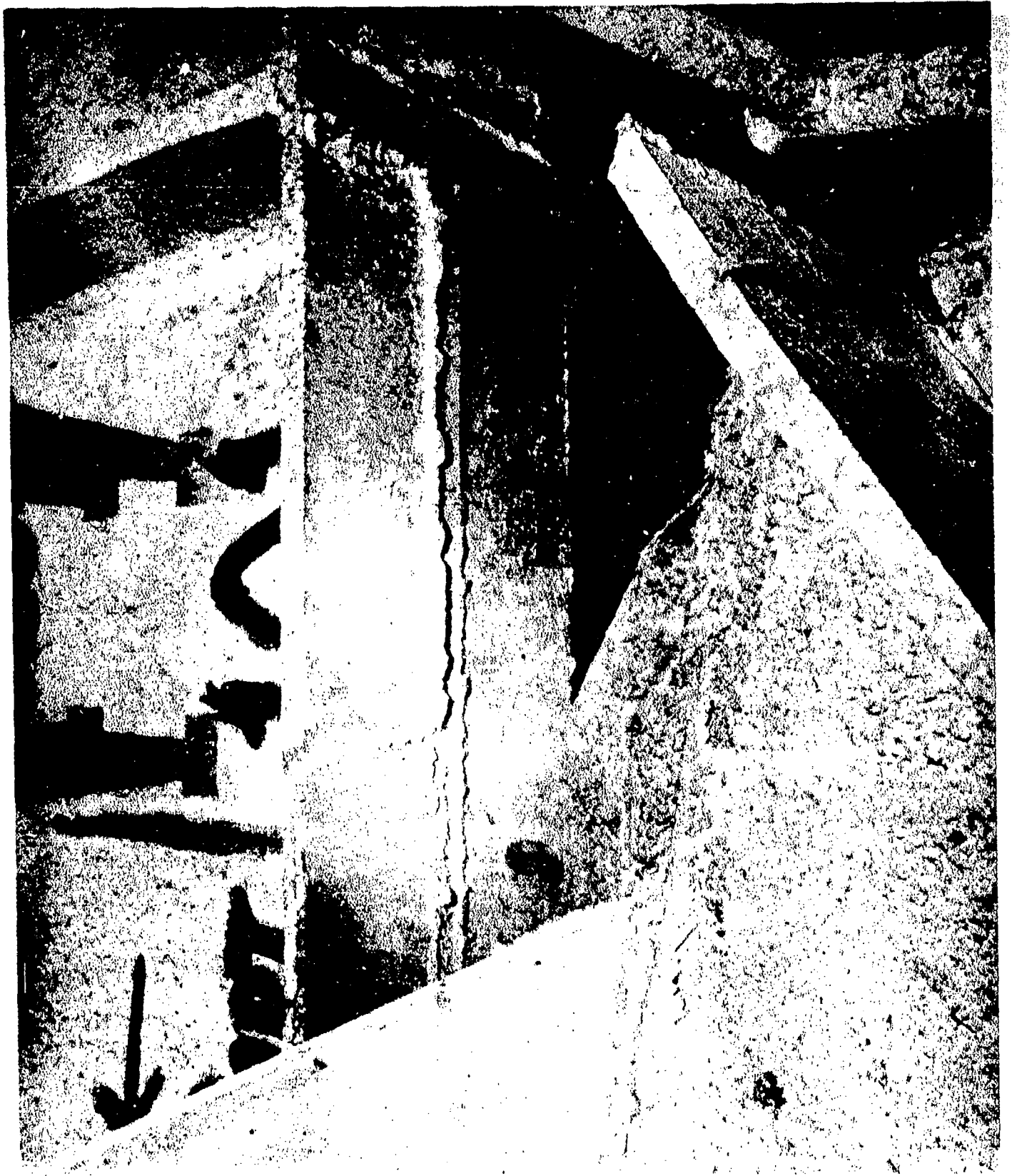
AA-CR-59-4152-7. Flight deck Bent 101, port side, showing failure of overhead connection along weld at upper edge of bracket. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 501 of 766 Pages

9625



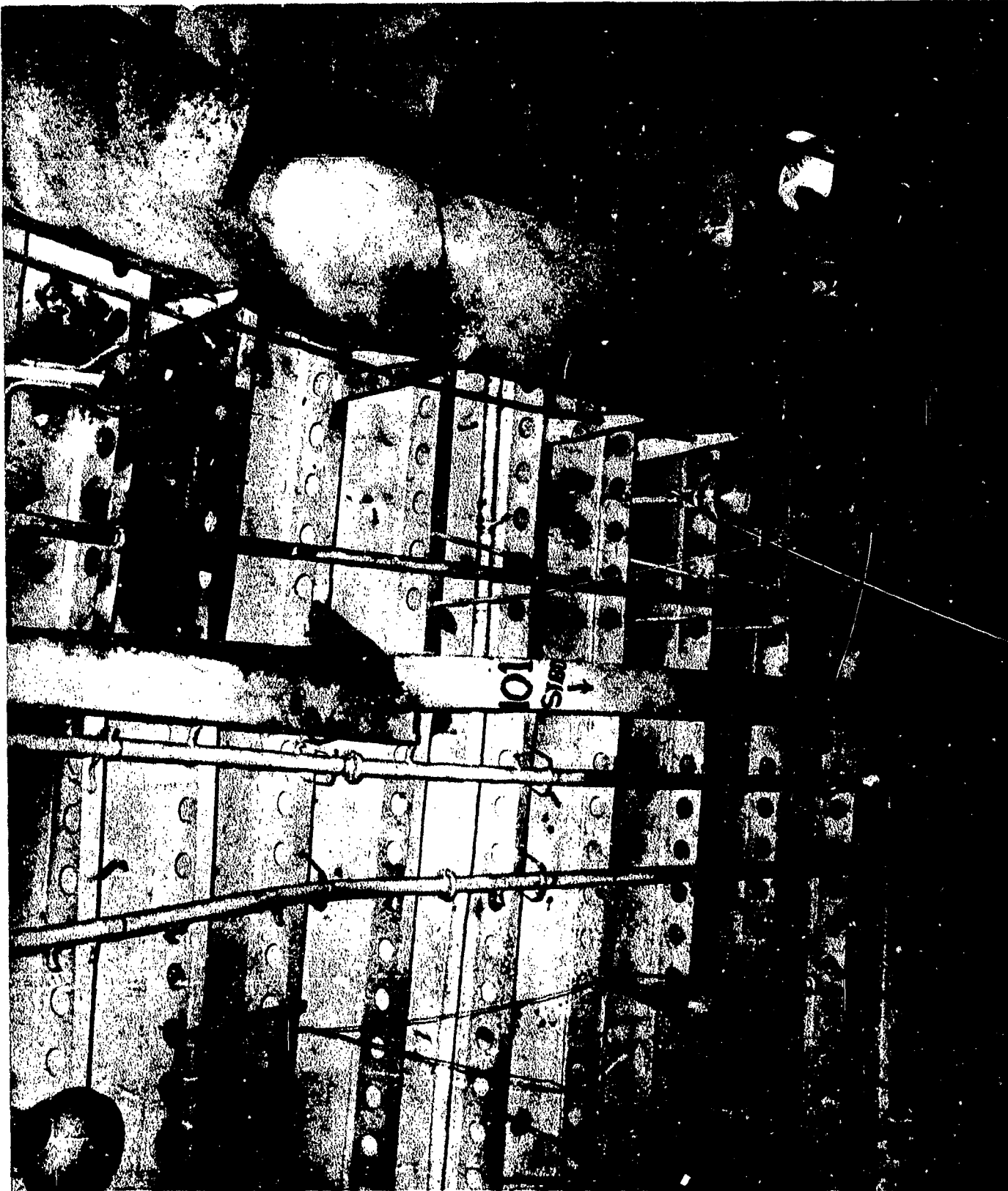
AA-CR-100-165-5. Flight deck Bent 101, port side, showing failure of overhead connection along weld at upper edge of bracket. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 502 of 766 Pages

9625



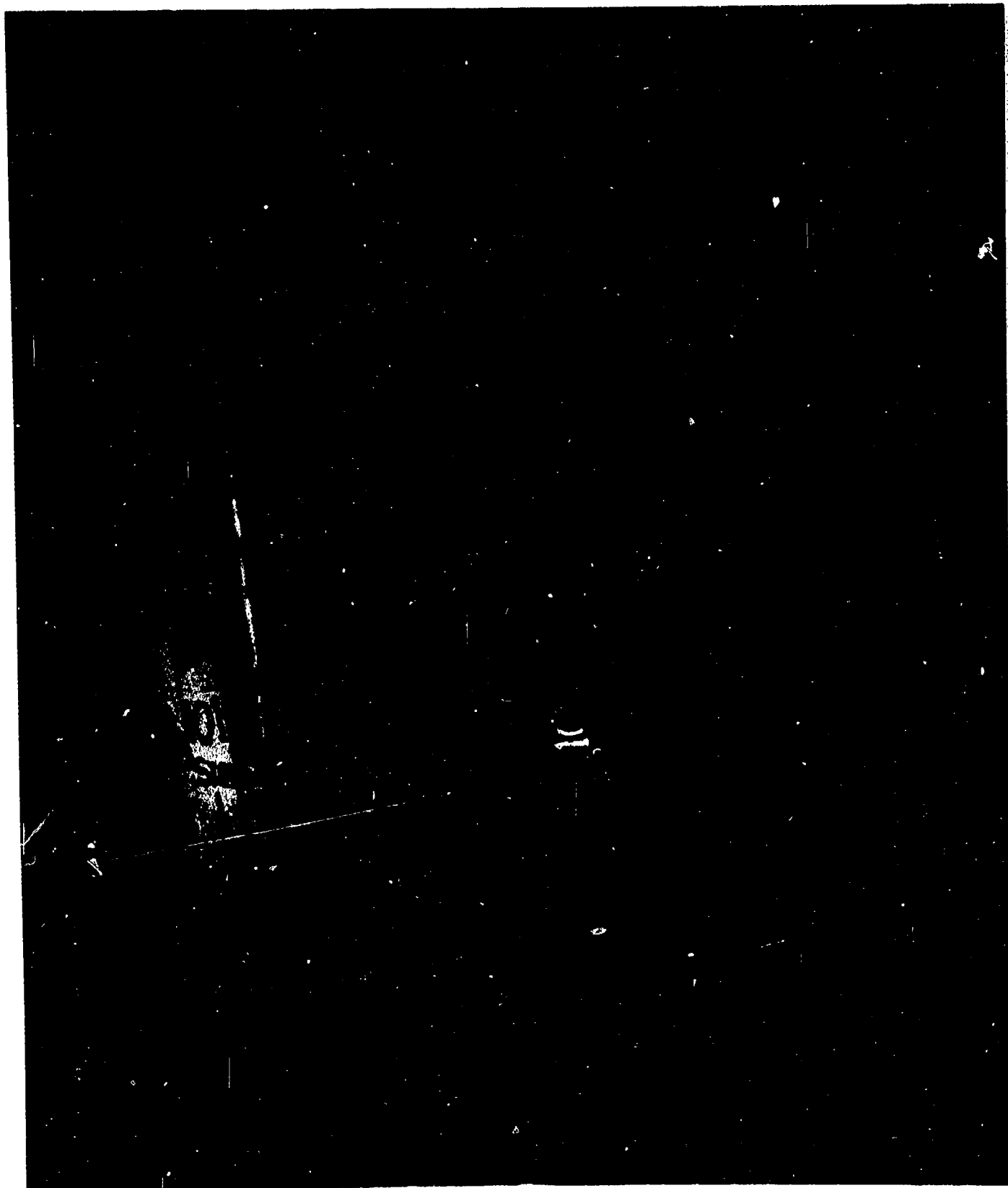
AA-CR-59-4151-5. Flight deck girder 101, looking up and to starboard.

SECRET

USS INDEPENDENCE (CVL22)

Page 503 of 766 Pages

9625



AA-CR-59-4152-12. Flight deck Bents. Deformation of bents 101, 104 and -
107, and failure of 101 and 104 at centerline butt welds. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 504 of 766 Pages

9625



AA-CR-100-4161-9. Flight deck Bent 101, showing failure at centerline butt weld. Looking to port.

SECRET

USS INDEPENDENCE (CVL22)

Page 505 of 766 Pages

9625



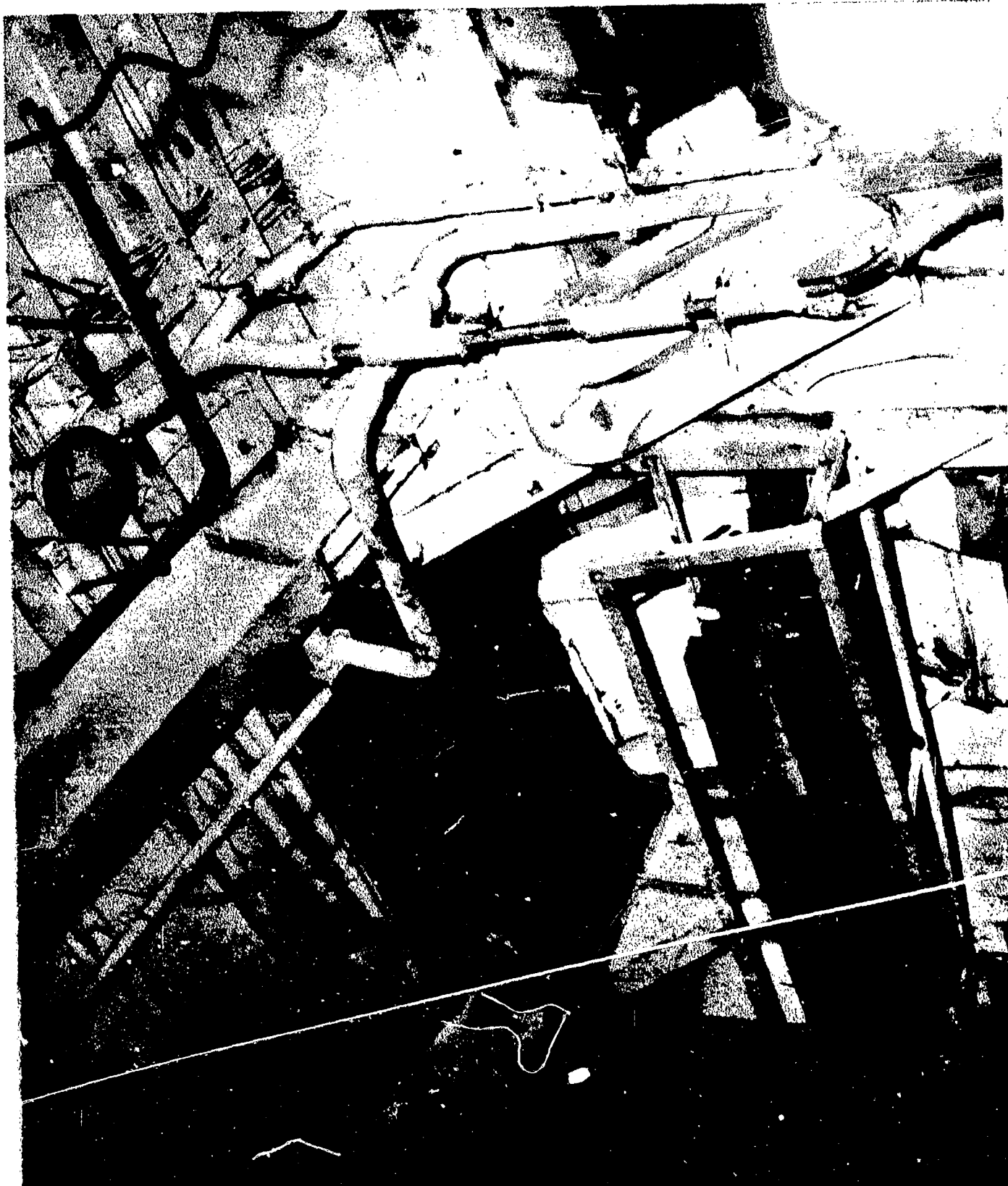
AA-CR-59-4149-10. Flight deck Bent 101, starboard side, showing failure of overhead connection in weld along upper edge of bracket. Looking aft.

SECRET

USS INDEPENDENCE (CVL22)

Page 506 of 766 Pages

9625



AA-CR-59-2113-4. Flight deck Bent 101, starboard side, showing failure of overhead connection along weld at upper edge of bracket. Looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 507 of 766 Pages

9625



AA-CR-80-170-5. After Baker. Flight deck Bent 101, starboard bottom, looking forward.

SECRET

USS INDEPENDENCE (CVL22)

Page 508 of 766 Pages

9625

CONFIDENTIAL

Classification (~~Confidential~~) (Changed to _____)

By Authority of Joint Chiefs of Staff (Action 15 Apr 49)

By J. B. [Signature] Date 24 April 51

AFSNP



CONFIDENTIAL



TRC

Defense Special Weapons Agency
6801 Telegraph Road
Alexandria, Virginia 22310-3398

10 April 1997

MEMORANDUM FOR DEFENSE TECHNICAL INFORMATION CENTER
ATTENTION: OMI/Mr. William Bush

SUBJECT: Declassification of Reports

The Defense Special Weapons Agency (formerly Defense Nuclear Agency) Security Office has reviewed and declassified the following reports:

AD-366718✓	XRD-32-Volume 3	
AD-366726✓	XRD-12-Volume 2	
AD-366703✓	XRD-16-Volume 1	
AD-366702✓	XRD-14-Volume 2	
AD-376819L✓	XRD-17-Volume 2	
AD-366704-	XRD-18	
AD-367451✓	XRD-19-Volume 1	
AD-366700 ⁰⁵ -	XRD-20-Volume 2	AD-366705
AD-376028L-	XRD-4	
AD-366694✓	XRD-1	
AD-473912✓	XRD-193	
AD-473891-	XRD-171	
AD-473899✓	XRD-163	
AD-473887-	XRD-166	
AD-473888-	XRD-167	ST-A 28 JAN 80 made target
AD-473889✓	XRD-168	

TRC

10 April 1997

SUBJECT: Declassification of Reports

AD-B197749	XRD-174
AD-473905-	XRD-182
AD-366719-	XRD-33 Volume 4
AD-366700-	XRD-10
AD-366712-	XRD-25 Volume 1
AD-376827L-	XRD-75
AD-366756-	XRD-73
AD-366757-	XRD-74
AD-366755-	XRD-72
AD-366754-	XRD-71
AD-366710-	XRD-23 Volume 1
AD-366711-	XRD-24 Volume 2
AD-366753-	XRD-70
AD-366749-	XRD-66
AD-366701-	XRD-11
AD-366745-	XRD-62.

All of the cited reports are now **approved for public release; distribution statement "A" applies.**

Ardueth Jarrett
ARDITH JARRETT
Chief, Technical Resource Center

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L.W