

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A
(John F. Kennedy Space Center)
East end of Saturn Causeway
Cape Canaveral
Brevard County
Florida

HAER FL-8-11-F

Penny Rogo Bailes, Photographer; Teresa Norman and Nigel Rudolph, Assistant Photographers
September-December 2009 (FL-8-11-F-1 through FL-8-11-F-246)

Penny Rogo Bailes, Photographer December 2009 (FL-8-11-F-247 through FL-8-11-F-297)

- FL-8-11-F-1 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM PERIMETER ROAD TOWARDS LAUNCH PAD, FACING NORTH.
- FL-8-11-F-2 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM PERIMETER ROAD TOWARDS LAUNCH PAD, FACING NORTHWEST.
- FL-8-11-F-3 OVERALL VIEW OF EAST HALF OF LAUNCH COMPLEX 39A, FACING NORTH.
- FL-8-11-F-4 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM PERIMETER ROAD TOWARDS LAUNCH PAD, FACING WEST.
- FL-8-11-F-5 OVERALL VIEW OF EAST HALF OF LAUNCH COMPLEX 39A, FACING SOUTH.
- FL-8-11-F-6 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM PERIMETER ROAD TOWARDS LAUNCH PAD, FACING SOUTH.
- FL-8-11-F-7 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM PERIMETER ROAD TOWARDS LAUNCH PAD, FACING SOUTHEAST.
- FL-8-11-F-8 OVERALL VIEW OF WEST HALF OF LAUNCH COMPLEX 39A, FACING SOUTH.
- FL-8-11-F-9 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM PERIMETER ROAD TOWARDS LAUNCH PAD, FACING EAST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 2)

- FL-8-11-F-10 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM PERIMETER ROAD TOWARDS LAUNCH PAD, FACING NORTHEAST.
- FL-8-11-F-11 OVERALL VIEW OF WEST HALF OF LAUNCH COMPLEX 39A, FACING NORTH.
- FL-8-11-F-12 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM LAUNCH PAD TOWARDS PERIMETER ROAD, FACING SOUTH.
- FL-8-11-F-13 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM LAUNCH PAD TOWARDS PERIMETER ROAD, FACING SOUTHEAST.
- FL-8-11-F-14 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM LAUNCH PAD TOWARDS PERIMETER ROAD, FACING EAST.
- FL-8-11-F-15 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM LAUNCH PAD TOWARDS PERIMETER ROAD, FACING NORTHEAST.
- FL-8-11-F-16 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM LAUNCH PAD TOWARDS PERIMETER ROAD, FACING NORTH.
- FL-8-11-F-17 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM LAUNCH PAD TOWARDS PERIMETER ROAD, FACING NORTHWEST.
- FL-8-11-F-18 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM LAUNCH PAD TOWARDS PERIMETER ROAD, FACING WEST.
- FL-8-11-F-19 OVERALL VIEW OF LAUNCH COMPLEX 39A FROM LAUNCH PAD TOWARDS PERIMETER ROAD, FACING SOUTHWEST.
- FL-8-11-F-20 OVERALL VIEW OF THE LAUNCH PAD FROM PERIMETER ROAD, FACING NORTH.
- FL-8-11-F-21 OVERALL VIEW OF THE LAUNCH PAD FROM PERIMETER ROAD, FACING NORTHWEST.
- FL-8-11-F-22 OVERALL VIEW OF THE LAUNCH PAD FROM PERIMETER ROAD, FACING WEST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 3)

- FL-8-11-F-23 OVERALL VIEW OF THE LAUNCH PAD FROM PERIMETER ROAD, FACING SOUTH.
- FL-8-11-F-24 OVERALL VIEW OF THE LAUNCH PAD FROM PERIMETER ROAD, FACING EAST.
- FL-8-11-F-25 OVERALL VIEW OF THE LAUNCH PAD FROM PERIMETER ROAD, FACING NORTHEAST.
- FL-8-11-F-26 OVERALL VIEW OF THE LAUNCH PAD FROM THE BASE OF THE HARDSTAND, FACING NORTHWEST.
- FL-8-11-F-27 OVERALL VIEW OF THE LAUNCH PAD FROM NEAR THE BASE OF THE HARDSTAND, FACING SOUTHWEST.
- FL-8-11-F-28 OVERALL VIEW OF THE LAUNCH PAD FROM THE BASE OF THE HARDSTAND, FACING SOUTHEAST.
- FL-8-11-F-29 OVERALL VIEW OF THE LAUNCH PAD FROM THE BASE OF THE HARDSTAND, FACING NORTHEAST.
- FL-8-11-F-30 OVERALL VIEW OF THE "PAD SURFACE," FACING NORTHWEST.
- FL-8-11-F-31 OVERALL VIEW OF THE "PAD SURFACE," FACING SOUTH.
- FL-8-11-F-32 DETAIL VIEW OF FOUR MLP SUPPORTS ON THE "PAD SURFACE," FACING NORTHWEST.
- FL-8-11-F-33 DETAIL VIEW OF A TYPICAL INDIVIDUAL CAMERA FOUND AROUND THE PAD SURFACE, FACING SOUTHEAST.
- FL-8-11-F-34 OVERALL VIEW OF FSS, FACING NORTHWEST.
- FL-8-11-F-35 OVERALL VIEW OF FSS, FACING SOUTHEAST.
- FL-8-11-F-36 OVERALL VIEW OF FSS LOOKING UPWARDS FROM THE FLAME TRENCH, FACING SOUTHWEST.
- FL-8-11-F-37 OVERALL VIEW OF THE UPPER PART OF THE FSS (215' LEVEL AND ABOVE) FROM THE RSS, FACING NORTH.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 4)

- FL-8-11-F-38 OVERALL VIEW OF THE MIDDLE PART OF THE FSS (135' LEVEL THROUGH 195' LEVEL) FROM THE RSS, FACING NORTHEAST.
- FL-8-11-F-39 DETAIL VIEW OF THE "GH2 T-0 SERVICING AND CONTROL PANEL," 75' LEVEL, FSS, FACING SOUTHWEST.
- FL-8-11-F-40 DETAIL VIEW OF THE HYPERGOL FUEL AND HYPERGOL OXIDIZER SCRUBBERS, 75' LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-41 DETAIL VIEW OF THE "GOX T-0 SERVICING AND CONTROL PANEL," 75' LEVEL, FSS, FACING NORTHEAST.
- FL-8-11-F-42 DETAIL VIEW OF PIPING CONDUIT ON NORTH SIDE OF ELEVATORS, 95' LEVEL, FSS, FACING SOUTH.
- FL-8-11-F-43 VIEW OF ACCESS PLATFORMS, 115' LEVEL, FSS, FACING EAST.
- FL-8-11-F-44 VIEW OF RETRACTED ORBITER WORK PLATFORM, WITH 115' AND 135' LEVELS TO LEFT, FSS, FACING NORTHWEST.
- FL-8-11-F-45 VIEW OF EXTENDED ORBITER WORK PLATFORM, FSS, FACING NORTHEAST.
- FL-8-11-F-46 GENERAL VIEW OF THE 155' LEVEL, FSS, FACING EAST.
- FL-8-11-F-47 DETAIL VIEW OF THE "GH2 FCSS SERVICE CONSOLE," 155' LEVEL, FSS, FACING SOUTH.
- FL-8-11-F-48 DETAIL VIEW OF THE "GO2 FCSS SERVICE CONSOLE," 155' LEVEL, FSS, FACING NORTHEAST.
- FL-8-11-F-49 DETAIL VIEW OF THE "GN2 SERVICE PANEL," 155' LEVEL, FSS, FACING SOUTH.
- FL-8-11-F-50 DETAIL VIEW OF ORBITER WORK PLATFORM STRUT AND WINCH, 155' LEVEL, FSS, FACING SOUTHEAST.
- FL-8-11-F-51 DETAIL VIEW OF THE "GN2 HAZARDOUS AND CAMERA PURGE PANEL," 175' LEVEL, FSS, FACING SOUTH.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 5)

- FL-8-11-F-52 DETAIL VIEW OF THE “SSAT/PCR PRIMARY GN2 REGULATOR PANEL,” 175’ LEVEL, FSS, FACING SOUTHWEST.
- FL-8-11-F-53 DETAIL VIEW OF THE “SSAT/PCR PRIMARY GHe REGULATOR PANEL,” 175’ LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-54 GENERAL VIEW OF THE 195’ LEVEL, FSS, FACING WEST.
- FL-8-11-F-55 DETAIL VIEW OF THE “OXYGEN ANALYZER” PANEL FOR THE ORBITER ACCESS ARM, 195’ LEVEL, FSS, FACING EAST.
- FL-8-11-F-56 GENERAL VIEW OF THE SLIDEWIRE EMERGENCY EGRESS BASKETS, 195’ LEVEL, FSS, FACING SOUTHWEST.
- FL-8-11-F-57 DETAIL VIEW OF A SLIDEWIRE EMERGENCY EGRESS BASKET, 195’ LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-58 GENERAL VIEW OF THE 215’ LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-59 DETAIL VIEW OF THE “CABIN AIR PANEL ASSEMBLY,” 215’ LEVEL, FSS, FACING SOUTH.
- FL-8-11-F-60 DETAIL VIEW OF THE “ET VENT VALVE ACTUATION AND PURGE PANEL,” 215’ LEVEL, FSS, FACING NORTHEAST.
- FL-8-11-F-61 DETAIL VIEW OF THE “GN2 INTERTANK PURGE PANEL,” 215’ LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-62 DETAIL VIEW OF THE “LH2 VENT LINE PRESSURE AND PURGE PANEL,” 215’ LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-63 DETAIL VIEW OF THE “ET NOSE CONE PURGE PANEL,” 215’ LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-64 GENERAL VIEW OF THE 235’ LEVEL, FSS, FACING NORTHEAST.
- FL-8-11-F-65 GENERAL VIEW OF THE 235’ LEVEL, FSS, FACING SOUTHWEST.
- FL-8-11-F-66 GENERAL VIEW OF THE 255’ LEVEL, FSS, FACING SOUTHEAST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 6)

- FL-8-11-F-67 DETAIL VIEW OF TWO HYPERGOLIC FLUID TANKS, 255' LEVEL, FSS, FACING EAST.
- FL-8-11-F-68 DETAIL VIEW OF THE GOX VENT ARM GN2 REGULATOR STATION, 275' LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-69 DETAIL VIEW OF THE GOX VENT ARM GN2 REGULATOR STATION CONTROL PANEL, 275' LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-70 DETAIL VIEW OF A MISCELLANEOUS PANEL, 275' LEVEL, FSS, FACING NORTHWEST.
- FL-8-11-F-71 VIEW OF THE FSS LIGHTNING MAST, 295' LEVEL, FACING NORTHWEST.
- FL-8-11-F-72 GENERAL VIEW OF THE ORBITER ACCESS ARM AND THE ET/IT ACCESS ARM, FSS, FACING NORTHWEST.
- FL-8-11-F-73 GENERAL VIEW OF THE ORBITER ACCESS ARM LOOKING TOWARDS THE WHITE ROOM, FACING NORTHEAST.
- FL-8-11-F-74 GENERAL VIEW OF THE WHITE ROOM AT THE END OF THE ORBITER ACCESS ARM, FACING NORTH.
- FL-8-11-F-75 INTERIOR VIEW OF THE WHITE ROOM LOOKING TOWARDS OPENING INTO THE ORBITER, FACING EAST.
- FL-8-11-F-76 INTERIOR VIEW OF THE WHITE ROOM, FACING SOUTHEAST.
- FL-8-11-F-77 INTERIOR VIEW OF THE WHITE ROOM LOOKING TOWARDS THE DOORS TO THE ORBITER ACCESS ARM, FACING WEST.
- FL-8-11-F-78 DETAIL VIEW OF THE WHITE ROOM PRESSURE AND VENT PANELS, FACING NORTH.
- FL-8-11-F-79 GENERAL VIEW OF THE ORBITER ACCESS ARM LOOKING TOWARDS THE FSS, FACING WEST.
- FL-8-11-F-80 GENERAL VIEW OF THE ET/IT ACCESS ARM, FACING NORTHWEST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 7)

- FL-8-11-F-81 DETAIL VIEW OF THE ET/IT ACCESS ARM, FACING NORTHEAST.
- FL-8-11-F-82 GENERAL VIEW OF THE UPPER WALKWAY OF THE ET/IT ACCESS
ARM, UTILITY CABLES ARE JUST LEFT OF CENTER, FACING
NORTHWEST.
- FL-8-11-F-83 DETAIL VIEW OF THE ECS DUCTS THAT EXTEND TO THE ET/IT
ACCESS ARM FROM THE 195' LEVEL MEZZANINE OF THE FSS,
FACING EAST.
- FL-8-11-F-84 GENERAL VIEW OF THE ET GOX VENT ARM, FACING SOUTHEAST.
- FL-8-11-F-85 DETAIL VIEW OF THE "BEANIE CAP" OF THE ET GOX VENT ARM,
FACING SOUTHEAST.
- FL-8-11-F-86 GENERAL VIEW OF THE 90/99 TOWER TO THE NORTH OF THE FSS,
FACING NORTHEAST.
- FL-8-11-F-87 DETAIL VIEW OF PIPES RUNNING ALONG THE 90/99 TOWER FROM
THE 95' LEVEL OF THE FSS, FACING NORTH.
- FL-8-11-F-88 GENERAL VIEW OF THE LOX/LH2 PIPE BRIDGE ACROSS THE
FLAME TRENCH, FACING SOUTHEAST.
- FL-8-11-F-89 DETAIL VIEW OF A TYPICAL CAMERA (155' LEVEL) POSITIONED
ON VARIOUS LEVELS OF THE FSS, FACING EAST.
- FL-8-11-F-90 DETAIL VIEW OF AN ORIGINAL PHONE (PAD SURFACE) FOUND ON
VARIOUS LEVELS OF THE FSS, FACING NORTHEAST.
- FL-8-11-F-91 OVERALL VIEW OF THE RSS, FACING NORTHWEST.
- FL-8-11-F-92 OVERALL VIEW OF THE RSS, FACING SOUTHEAST.
- FL-8-11-F-93 GENERAL VIEW OF THE HINGE FOR THE RSS, FACING WEST.
- FL-8-11-F-94 DETAIL VIEW OF THE HINGE CAP, FACING SOUTHEAST.
- FL-8-11-F-95 DETAIL VIEW OF ONE OF THE RSS TRUCK ASSEMBLIES, FACING
NORTHWEST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 8)

- FL-8-11-F-96 GENERAL VIEW OF RSS ROTATION TRACK, FACING NORTHEAST.
- FL-8-11-F-97 GENERAL VIEW OF PAYLOAD BAY DOORS OF THE PCR IN THE RSS, FACING NORTHWEST.
- FL-8-11-F-98 GENERAL VIEW OF THE PERSONNEL LOCKER AREA FOR THE PCR, FACING SOUTHEAST.
- FL-8-11-F-99 DETAIL VIEW OF THE AIR SHOWER BETWEEN THE PERSONNEL LOCKER AREA AND THE PCR, FACING EAST.
- FL-8-11-F-100 GENERAL VIEW OF THE PORT SIDE PLATFORMS AT LEVELS "0", "1" AND "2" OF THE PCR, FACING NORTHEAST.
- FL-8-11-F-101 GENERAL VIEW OF THE PORT SIDE PLATFORMS AT LEVELS "3" AND "4" OF THE PCR, FACING NORTHEAST.
- FL-8-11-F-102 GENERAL VIEW OF THE STARBOARD HALF OF LEVEL "0" OF THE PCR, FACING SOUTHWEST.
- FL-8-11-F-103 GENERAL VIEW OF THE PORT HALF OF LEVEL "0" OF THE PCR, FACING NORTHWEST.
- FL-8-11-F-104 GENERAL VIEW OF THE STARBOARD HALF OF LEVEL "1" OF THE PCR, FACING SOUTHWEST.
- FL-8-11-F-105 GENERAL VIEW OF THE PORT HALF OF LEVEL "1" OF THE PCR, FACING EAST.
- FL-8-11-F-106 DETAIL VIEW OF MOVEABLE ACCESS PLATFORM, LEVEL "1", FACING SOUTHWEST.
- FL-8-11-F-107 GENERAL VIEW OF THE STARBOARD HALF OF LEVEL "2" OF THE PCR, FACING SOUTHEAST.
- FL-8-11-F-108 GENERAL VIEW OF THE PORT HALF OF LEVEL "2" OF THE PCR, FACING EAST.
- FL-8-11-F-109 GENERAL VIEW OF THE STARBOARD HALF OF LEVEL "3" OF THE PCR, FACING SOUTHEAST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 9)

- FL-8-11-F-110 GENERAL VIEW OF THE PORT HALF OF LEVEL "3" OF THE PCR, FACING EAST.
- FL-8-11-F-111 GENERAL VIEW OF THE STARBOARD HALF OF LEVEL "4" OF THE PCR, FACING SOUTH.
- FL-8-11-F-112 GENERAL VIEW OF THE PORT HALF OF LEVEL "4" OF THE PCR, FACING NORTHEAST.
- FL-8-11-F-113 GENERAL VIEW OF LEVEL "5" OF THE PCR, FACING NORTH.
- FL-8-11-F-114 DETAIL VIEW OF MOVEABLE ACCESS PLATFORM AND ITS TRACK, LEVEL "5" STARBOARD, FACING NORTH.
- FL-8-11-F-115 DETAIL VIEW OF A 2-TON EQUIPMENT CRANE SUSPENDED FROM THE PCR CEILING, FACING NORTHWEST.
- FL-8-11-F-116 DETAIL VIEW OF THE CONTROL STATION (LEVEL "4") FOR THE 2-TON EQUIPMENT CRANE, FACING SOUTHEAST.
- FL-8-11-F-117 GENERAL VIEW OF THE BOTTOM OF THE PGHM, FACING WEST.
- FL-8-11-F-118 DETAIL VIEW OF THE EXTENDABLE PLATFORMS AT THE BASE OF THE PGHM, FACING NORTH.
- FL-8-11-F-119 DETAIL VIEW OF THE BRAKE AND LOWER TRACK FOR THE PGHM, FACING NORTH.
- FL-8-11-F-120 DETAIL VIEW OF THE WHEELS AND UPPER TRACK FOR THE PGHM, FACING NORTH.
- FL-8-11-F-121 DETAIL VIEW OF A HYDRAULIC JACK FOR THE PGHM, FACING NORTH.
- FL-8-11-F-122 DETAIL VIEW OF THE "PGHM DRIVE AIR CONTROL CONSOLE" LOCATED AT THE TOP OF THE PGHM, FACING NORTHWEST.
- FL-8-11-F-123 GENERAL VIEW OF LEVEL "3" OF THE PGHM, FACING SOUTH.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 10)

- FL-8-11-F-124 DETAIL VIEW OF THE “PGHM HOOK INSTRUMENTATION UNIT”
CONSOLE, FACING EAST.
- FL-8-11-F-125 GENERAL VIEW OF SOME OF THE PGHM ADJUSTABLE
PLATFORMS AND THEIR SUPPORT POST, FACING SOUTHWEST.
- FL-8-11-F-126 DETAIL VIEW OF A PRIMARY J-HOOK AND AN ADJUSTABLE
PLATFORM, FACING NORTH.
- FL-8-11-F-127 DETAIL VIEW OF A SECONDARY J-HOOK, FACING NORTH.
- FL-8-11-F-128 DETAIL VIEW OF J-HOOK BALANCING SCALES, NO DIRECTION.
- FL-8-11-F-129 GENERAL VIEW OF THE LOWER PORTION OF THE PCR PAYLOAD
BAY DOORS, FACING SOUTHEAST.
- FL-8-11-F-130 DETAIL VIEW OF THE SUPPORT TRUSS FOR THE STARBOARD
PAYLOAD BAY DOOR, FACING EAST.
- FL-8-11-F-131 GENERAL VIEW OF THE UPPER PORTION OF THE PCR PAYLOAD
BAY DOORS, FACING SOUTHEAST.
- FL-8-11-F-132 DETAIL VIEW OF THE UPPER TRACK FOR THE STARBOARD
PAYLOAD BAY DOOR, FACING SOUTHEAST.
- FL-8-11-F-133 GENERAL VIEW OF THE STORAGE AREA FOR THE PCR, FACING
NORTHEAST.
- FL-8-11-F-134 GENERAL VIEW OF THE TOP OF THE RSS/PCR SHOWING THE
EXTERIOR OF THE HOIST EQUIPMENT ROOM, FACING SOUTH.
- FL-8-11-F-135 GENERAL VIEW OF THE INTERIOR OF THE HOIST EQUIPMENT
ROOM, FACING WEST.
- FL-8-11-F-136 GENERAL VIEW OF THE INTERIOR OF THE HOIST EQUIPMENT
ROOM, FACING SOUTH.
- FL-8-11-F-137 GENERAL VIEW OF THE UPPER LEVEL OF THE RCS ROOM (ABOVE
THE PCR), FACING NORTH.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 11)

- FL-8-11-F-138 GENERAL VIEW OF THE UPPER LEVEL OF THE RCS ROOM (ABOVE THE PCR), FACING WEST.
- FL-8-11-F-139 DETAIL VIEW OF THE ORBITER OPENING OF THE UPPER LEVEL OF THE RCS ROOM, FACING EAST.
- FL-8-11-F-140 DETAIL VIEW OF THE “GN2 FRCS PANEL FOR FUEL SERVICE” CONSOLE IN THE UPPER LEVEL OF THE RCS ROOM, FACING NORTH.
- FL-8-11-F-141 GENERAL VIEW OF THE LOWER LEVEL OF THE RCS ROOM, FACING NORTH.
- FL-8-11-F-142 GENERAL VIEW OF THE LOWER LEVEL OF THE RCS ROOM, WITH THE ORBITER ACCESS ARM AND ET/IT ACCESS ARM IN THE BACKGROUND, FACING NORTHEAST.
- FL-8-11-F-143 GENERAL VIEW OF THE OMBUU EQUIPMENT, 158’ LEVEL OF THE RSS, FACING SOUTHWEST.
- FL-8-11-F-144 DETAIL VIEW OF THE OMBUU UMBILICAL CABLES AND CONTROL PANEL, FACING SOUTHWEST.
- FL-8-11-F-145 DETAIL VIEW OF THE “OMBUU FCSS GN2/GHe SVC PANEL,” 158’ LEVEL OF THE RSS, FACING SOUTH.
- FL-8-11-F-146 GENERAL VIEW OF THE FRCS OXIDIZER SERVICE AREA, 207’ LEVEL OF RSS, FACING NORTHEAST.
- FL-8-11-F-147 GENERAL VIEW OF THE FRCS FUEL SERVICE AREA, 207’ LEVEL OF RSS, FACING NORTHEAST.
- FL-8-11-F-148 GENERAL VIEW OF THE OMS POD HYPERGOL OXIDIZER SERVICE AREA, 107’ LEVEL OF THE RSS, FACING SOUTHEAST.
- FL-8-11-F-149 GENERAL VIEW OF THE OMS POD HYPERGOL FUEL SERVICE AREA, 107’ LEVEL OF THE RSS, FACING EAST.
- FL-8-11-F-150 DETAIL VIEW OF A RSS CABLE TRAY, FACING NORTHWEST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 12)

- FL-8-11-F-151 DETAIL VIEW OF RSS PIPING, FACING NORTHWEST.
- FL-8-11-F-152 OVERALL VIEW OF THE FLAME TRENCH, FACING SOUTH.
- FL-8-11-F-153 GENERAL VIEW OF THE SRB SIDE OF THE FLAME TRENCH,
FACING SOUTHWEST.
- FL-8-11-F-154 DETAIL VIEW OF THE SRB FLAME DEFLECTOR WITHIN THE
FLAME TRENCH, FACING SOUTH.
- FL-8-11-F-155 GENERAL VIEW OF THE SSME SIDE OF THE FLAME TRENCH,
FACING NORTH (ALSO SHOWN: RSS RAIL AND SUPPORT POST).
- FL-8-11-F-156 GENERAL VIEW OF FLAME DEFLECTOR SUPPORT TRUSSES,
FACING SOUTHEAST.
- FL-8-11-F-157 GENERAL VIEW OF FLAME DEFLECTOR SUPPORT TRUSSES,
FACING EAST.
- FL-8-11-F-158 DETAIL OF THE FLAME DEFLECTOR'S RELATIONSHIP TO THE
FLAME TRENCH WALL, FACING NORTH.
- FL-8-11-F-159 OVERALL VIEW OF THE SIDE FLAME DEFLECTORS ON THE
LAUNCH PAD SURFACE, FACING NORTHEAST.
- FL-8-11-F-160 DETAIL VIEW OF THE PORT SIDE FLAME DEFLECTOR FROM THE
FLAME TRENCH, FACING SOUTHWEST.
- FL-8-11-F-161 OVERALL VIEW OF THE HIGH PRESSURE GAS BATTERY ON THE
EAST SIDE OF THE HARDSTAND, FACING WEST.
- FL-8-11-F-162 DETAIL VIEW OF THE FOURTH CELL FROM THE NORTH OF THE
HIGH PRESSURE GAS BATTERY, FACING WEST.
- FL-8-11-F-163 DETAIL VIEW OF THE SOUTH CELL OF THE HIGH PRESSURE GAS
BATTERY, FACING SOUTHWEST.
- FL-8-11-F-164 GENERAL VIEW OF THE PIPING TUNNEL THAT PROVIDES ACCESS
TO THE CATACOMBS WITHIN THE HARDSTAND, FACING EAST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 13)

- FL-8-11-F-165 GENERAL VIEW OF THE WEST CATACOMBS WITHIN THE HARDSTAND, FACING NORTH.
- FL-8-11-F-166 GENERAL VIEW OF THE ECS AREA SHOWING ONE OF THE MAIN BLOWERS, FACING SOUTH.
- FL-8-11-F-167 GENERAL VIEW OF THE ECS AREA SHOWING THE AUXILIARY BLOWERS, FACING WEST.
- FL-8-11-F-168 GENERAL VIEW OF THE ECS AREA SHOWING THE CHILLED WATER SYSTEM EQUIPMENT, FACING WEST.
- FL-8-11-F-169 GENERAL VIEW OF THE ECS AREA SHOWING PRIMARY (LOWER) AND SECONDARY (UPPER) GN2 SYSTEMS, FACING SOUTHWEST.
- FL-8-11-F-170 DETAIL VIEW OF ONE OF THE ECS PIPE TUNNELS, FACING SOUTHEAST.
- FL-8-11-F-171 GENERAL VIEW OF THE NORTHERN AREA OF THE PTCR BATTERY ROOM, FACING SOUTHEAST.
- FL-8-11-F-172 GENERAL VIEW OF THE NORTHERN AREA OF THE PTCR BATTERY ROOM, FACING NORTHEAST.
- FL-8-11-F-173 GENERAL VIEW OF THE SOUTHERN AREA OF THE PTCR BATTERY ROOM, FACING NORTHEAST.
- FL-8-11-F-174 GENERAL VIEW OF THE PTCR SECOND FLOOR HALLWAY, FACING NORTH.
- FL-8-11-F-175 GENERAL VIEW OF THE PTCR CABLE INTERFACE ROOM, ALSO SHOWING A HARDSTAND SUPPORT COLUMN, FACING SOUTHEAST.
- FL-8-11-F-176 DETAIL VIEW OF SOME OF THE CONNECTION PANELS WITHIN THE PTCR CABLE INTERFACE ROOM, FACING SOUTHEAST.
- FL-8-11-F-177 GENERAL VIEW OF THE EMERGENCY EGRESS SHAFT, FACING SOUTHEAST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 14)

- FL-8-11-F-178 GENERAL VIEW OF THE EGRESS SHAFT TERMINATION ROOM, FACING SOUTHEAST.
- FL-8-11-F-179 DETAIL VIEW OF THE NORTH BLAST ROOM DOOR, FACING SOUTHWEST.
- FL-8-11-F-180 OVERALL VIEW OF THE BLAST ROOM, FACING NORTHEAST.
- FL-8-11-F-181 DETAIL VIEW OF SOME OF THE BLAST RESISTANT CHAIRS IN THE BLAST ROOM, FACING NORTH.
- FL-8-11-F-182 GENERAL VIEW OF THE SOUTHERN EXIT FROM THE BLAST ROOM, FACING SOUTHWEST.
- FL-8-11-F-183 GENERAL VIEW OF THE REMOTE AIR INTAKE TUNNEL, FACING NORTHWEST.
- FL-8-11-F-184 DETAIL VIEW OF THE TERMINATION OF THE REMOTE AIR INTAKE TUNNELS NEAR THE WESTERN EXTENT OF THE LAUNCH COMPLEX, FACING WEST.
- FL-8-11-F-185 GENERAL VIEW OF THE LAUNCH PAD ELECTRICAL GENERATOR AREA, FACING NORTHEAST.
- FL-8-11-F-186 GENERAL VIEW OF FIREX AND OTHER MISCELLANEOUS SUPPORT PIPES TO THE SOUTHWEST OF THE HARDSTAND, FACING NORTHEAST.
- FL-8-11-F-187 GENERAL VIEW OF THE LAUNCH PAD SOUND SUPPRESSION SYSTEM FROM THE 235' LEVEL OF THE FSS, FACING NORTHEAST.
- FL-8-11-F-188 DETAIL VIEW OF THE SOUND SUPPRESSION PIPES AT THE BASE OF THE WATER TOWER, FACING SOUTHEAST.
- FL-8-11-F-189 DETAIL VIEW OF THE SOUND SUPPRESSION PIPES WITHIN THE WEST CATACOMBS, FACING NORTHEAST.
- FL-8-11-F-190 DETAIL VIEW OF THE SOUND SUPPRESSION COMPONENTS ON THE PORT SIDE OF THE FLAME TRENCH, FACING SOUTHWEST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 15)

- FL-8-11-F-191 GENERAL VIEW OF THE WATER TANK FOR THE SOUND SUPPRESSION SYSTEM, FACING SOUTHEAST.
- FL-8-11-F-192 GENERAL VIEW OF THE SLIDEWIRE TERMINATION FACILITY LOOKING TOWARDS THE LAUNCH PAD, FACING EAST.
- FL-8-11-F-193 GENERAL VIEW OF THE SLIDEWIRE TERMINATION FACILITY, FACING NORTHWEST.
- FL-8-11-F-194 DETAIL VIEW OF SOME OF THE SUPPORT POSTS FOR THE SLIDEWIRES, FACING NORTHEAST.
- FL-8-11-F-195 DETAIL VIEW OF ONE OF THE SLIDEWIRE BASKETS, FACING NORTHWEST.
- FL-8-11-F-196 GENERAL VIEW OF THE EXTERIOR OF THE SLIDEWIRE TERMINATION FACILITY BUNKER, FACING NORTHEAST.
- FL-8-11-F-197 GENERAL VIEW OF THE INTERIOR OF THE SLIDEWIRE TERMINATION FACILITY BUNKER, FACING SOUTHEAST.
- FL-8-11-F-198 OVERALL VIEW OF THE LOX FACILITY SHOWING THE FILL STATIONS, FACING SOUTHWEST.
- FL-8-11-F-199 OVERALL VIEW OF THE LOX FACILITY SHOWING ITS PIPELINES AND CONTROL PANELS, FACING NORTHWEST.
- FL-8-11-F-200 DETAIL VIEW OF THE PIPES FROM THE LOX FACILITY TO THE LAUNCH PAD, FACING SOUTHEAST.
- FL-8-11-F-201 EXTERIOR VIEW OF THE ELECTRICAL EQUIPMENT BUILDING NO. 2, FACING SOUTH.
- FL-8-11-F-202 EXTERIOR VIEW OF THE OPERATIONS SUPPORT BUILDING NO. 1, FACING NORTHWEST.
- FL-8-11-F-203 INTERIOR VIEW OF THE OPERATIONS SUPPORT BUILDING NO. 1, FACING SOUTHEAST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 16)

- FL-8-11-F-204 INTERIOR VIEW OF THE OPERATIONS SUPPORT BUILDING NO. 1, FACING NORTHWEST.
- FL-8-11-F-205 OVERALL VIEW OF THE LH2 FACILITY, FACING SOUTHEAST.
- FL-8-11-F-206 DETAIL VIEW OF THE LH2 FACILITY VAPORIZER, FACING SOUTHEAST.
- FL-8-11-F-207 GENERAL VIEW OF THE LH2 FACILITY FLARE STACK, FACING SOUTHEAST.
- FL-8-11-F-208 EXTERIOR VIEW OF THE ELECTRICAL EQUIPMENT BUILDING NO. 1, FACING NORTHWEST.
- FL-8-11-F-209 INTERIOR VIEW OF THE ELECTRICAL EQUIPMENT BUILDING NO. 1, FACING SOUTHWEST.
- FL-8-11-F-210 EXTERIOR VIEW OF THE OPERATIONS SUPPORT BUILDING NO. 2, FACING SOUTHEAST.
- FL-8-11-F-211 OVERALL VIEW OF THE HIGH PRESSURE GH2 FACILITY, FACING SOUTHEAST.
- FL-8-11-F-212 OVERALL VIEW OF THE HIGH PRESSURE GH2 FACILITY, FACING NORTHWEST.
- FL-8-11-F-213 OVERALL VIEW OF THE HYPERGOL FUEL FACILITY, FACING NORTHEAST.
- FL-8-11-F-214 DETAIL VIEW OF THE MOBILE FUEL CART USED ON THE MLP, STORED AT THE HYPERGOL FUEL FACILITY, FACING NORTHEAST.
- FL-8-11-F-215 DETAIL VIEW OF THE MOBILE FUEL CART USED ON THE RSS, STORED AT THE HYPERGOL FUEL FACILITY, FACING NORTHEAST.
- FL-8-11-F-216 DETAIL VIEW OF THE PIPES FROM THE HYPERGOL FUEL FACILITY TO THE LAUNCH PAD, FACING NORTHEAST.
- FL-8-11-F-217 EXTERIOR VIEW OF THE ELECTRICAL EQUIPMENT BUILDING NO. 4, FACING NORTHEAST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 17)

- FL-8-11-F-218 INTERIOR VIEW OF THE ELECTRICAL EQUIPMENT BUILDING NO. 4, FACING EAST.
- FL-8-11-F-219 OVERALL VIEW OF THE HYPERGOL OXIDIZER FACILITY, FACING NORTH.
- FL-8-11-F-220 DETAIL VIEW OF THE PIPES FROM THE HYPERGOL OXIDIZER FACILITY TO THE LAUNCH PAD, FACING NORTHWEST.
- FL-8-11-F-221 EXTERIOR VIEW OF THE ELECTRICAL EQUIPMENT BUILDING NO. 3, FACING NORTHWEST.
- FL-8-11-F-222 EXTERIOR VIEW OF THE WATER CHILLER BUILDING, FACING SOUTHEAST.
- FL-8-11-F-223 INTERIOR VIEW OF THE WATER CHILLER BUILDING, FACING SOUTHWEST.
- FL-8-11-F-224 OVERALL VIEW OF CAMERA PAD A NO. 6, SHOWING TYPICAL CAMERA PAD BERM, FACING NORTHWEST.
- FL-8-11-F-225 OVERALL VIEW OF CAMERA PAD A NO. 1, FACING SOUTH.
- FL-8-11-F-226 OVERALL VIEW OF CAMERA PAD A NO. 2, FACING NORTHWEST.
- FL-8-11-F-227 OVERALL VIEW OF CAMERA PAD A NO. 3, FACING NORTH.
- FL-8-11-F-228 OVERALL VIEW OF CAMERA PAD A NO. 4, FACING NORTHWEST.
- FL-8-11-F-229 OVERALL VIEW OF CAMERA PAD A NO. 6, FACING SOUTHWEST.
- FL-8-11-F-230 DETAIL VIEW OF A TYPICAL CAMERA (CAMERA PAD A NO. 4) WITH A PYRAMIDAL BASE, FACING SOUTHEAST.
- FL-8-11-F-231 DETAIL VIEW OF A TYPICAL CAMERA (CAMERA PAD A NO. 6) WITH A CIRCULAR BASE, FACING SOUTHWEST.
- FL-8-11-F-232 DETAIL VIEW OF A TYPICAL CAMERA (CAMERA PAD A NO. 4) WITH A CONCRETE BASE, FACING SOUTHEAST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 18)

- FL-8-11-F-233 DETAIL VIEW OF A TYPICAL FREE-STANDING CAMERA (CAMERA PAD A NO. 2), FACING EAST.
- FL-8-11-F-234 DETAIL VIEW OF A TYPICAL INDIVIDUAL CAMERA FOUND THROUGHOUT THE LAUNCH COMPLEX, FACING NORTHEAST.
- FL-8-11-F-235 GENERAL VIEW OF THE HAMMERHEAD CRANE LOCATED WITHIN THE APOLLO/SATURN V DISPLAY FACILITY, FACING WEST.
- FL-8-11-F-236 GENERAL VIEW OF THE HAMMERHEAD CRANE LOCATED WITHIN THE APOLLO/SATURN V DISPLAY FACILITY, FACING EAST.
- FL-8-11-F-237 EXTERIOR VIEW OF THE APOLLO-ERA FOAM BUILDING, FACING NORTHWEST.
- FL-8-11-F-238 INTERIOR VIEW OF THE APOLLO-ERA FOAM BUILDING, FACING NORTHEAST.
- FL-8-11-F-239 EXTERIOR VIEW OF THE APOLLO-ERA RP-1 PUMP HOUSE, FACING SOUTHEAST.
- FL-8-11-F-240 GENERAL VIEW OF THE APOLLO-ERA RP-1 FACILITY, FACING SOUTHEAST.
- FL-8-11-F-241 EXTERIOR VIEW OF THE APOLLO-ERA COMPRESSED AIR BUILDING, FACING NORTHWEST.
- FL-8-11-F-242 INTERIOR VIEW OF THE APOLLO-ERA COMPRESSED AIR BUILDING, FACING NORTH.
- FL-8-11-F-243 EXTERIOR VIEW OF THE APOLLO-ERA SEWAGE EQUIPMENT BUILDING TO LEFT AND SEWAGE LIFT STATION TO RIGHT, FACING NORTHEAST.
- FL-8-11-F-244 EXTERIOR VIEW OF THE APOLLO-ERA REMOTE AIR INTAKE BUILDING, FACING NORTHEAST.
- FL-8-11-F-245 INTERIOR VIEW OF THE APOLLO-ERA REMOTE AIR INTAKE BUILDING, FACING SOUTHWEST.

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 19)

FL-8-11-F-246 GENERAL VIEW OF THE APOLLO-ERA AZIMUTH ALIGNMENT
STATION, FACING NORTH.

Photograph Nos. FL-8-11-F-247 through FL-8-11-F-297 are photocopies of engineering drawings, and are 8" x 10" enlargements from 4" x 5" negatives. Original drawings are located at the Engineering Documentation Office, NASA KSC, Florida.

FL-8-11-F-247 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
COVER SHEET
Sheet V1

FL-8-11-F-248 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
PERIMETER PLAN OF LAUNCH PAD 39A
Sheet V6

FL-8-11-F-249 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
PICTORIAL VIEW-PAD 39 & PAYLOAD CHANGEOUT ROOM
Sheet V12

FL-8-11-F-250 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
LAUNCH PAD 39A, PLAN AT EL 48'-0" (EXISTING)
Sheet V8

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 20)

- FL-8-11-F-251 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PLAN, MODIFIED LAUNCH PAD
Sheet V11
- FL-8-11-F-252 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SSAT, ELEVATIONS SIDE 1 & 2
Sheet A8
- FL-8-11-F-253 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SSAT, ELEVATIONS SIDE 3 & 4
Sheet A9
- FL-8-11-F-254 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 75'-0" AND
95'-0"
Sheet A11
- FL-8-11-F-255 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 115'-0" AND
135'-0"
Sheet A12

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 21)

- FL-8-11-F-256 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 155'-0" AND
175'-0"
Sheet A13
- FL-8-11-F-257 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 195'-0" AND
215'-0"
Sheet A14
- FL-8-11-F-258 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 235'-0" AND
255'-0"
Sheet A15
- FL-8-11-F-259 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 275'-0" AND
280'-6"
Sheet A16
- FL-8-11-F-260 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SSAT-FLOOR PLANS AT EL 295'-0" AND
DETAILS
Sheet A17

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 22)

- FL-8-11-F-261 Photocopy of drawing
LIGHTNING MAST ON SSAT FOR LAUNCH PAD 39A
NASA, John F. Kennedy Space Center, Florida
Drawing 79K07863, Reynolds Smith & Hills, August, 1976
LIGHTNING MAST-DETAILS
Sheet S3
- FL-8-11-F-262 Photocopy of drawing
ORBITER ACCESS ARM SYSTEM INSTALLATION, LAUNCH
COMPLEX 39A
NASA, John F. Kennedy Space Center, Florida
Drawing 79K05004, NASA KSC, April, 1978
ISOMETRIC AND INDEX
Sheet 1 of 25
- FL-8-11-F-263 Photocopy of drawing
ET GOX VENT SYSTEM, LAUNCH COMPLEX 39A
NASA, John F. Kennedy Space Center, Florida
Drawing 79K06343, NASA KSC, December, 1979
PICTORIAL, SYSTEM INSTALLATION
Sheet 1 of 15
- FL-8-11-F-264 Photocopy of drawing
VEHICLE LINE REPLACEABLE UNIT (LRU) ACCESS SYSTEM
NASA, John F. Kennedy Space Center, Florida
Drawing 79K14101, Reynolds Smith & Hills, February, 1978
GENERAL ARRANGEMENT ISOMETRIC
Sheet M1
- FL-8-11-F-265 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PCR-PLAN, EL 107'-0" AND 120'-0"
Sheet A26

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 23)

- FL-8-11-F-266 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PCR PLAN, EL 130'-7"
Sheet A25
- FL-8-11-F-267 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PCR AT OMBUU CATWALK
Sheet A27
- FL-8-11-F-268 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PCR ROOF PLAN
Sheet A29
- FL-8-11-F-269 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PCR, ELEVATION SIDE 1
Sheet A30
- FL-8-11-F-270 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PCR, ELEVATION SIDE 2
Sheet A31

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 24)

- FL-8-11-F-271 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PCR, ELEVATION SIDE 3
Sheet A32
- FL-8-11-F-272 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PCR, ELEVATION SIDE 4
Sheet A33
- FL-8-11-F-273 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
FLOOR PLANS-PCR
Sheet A36
- FL-8-11-F -274 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT PCR-SECTION 1 INTERIOR
Sheet A34
- FL-8-11-F-275 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
PCR MAIN DOORS, INTERIOR/EXTERIOR ELEVATIONS
Sheet A46

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 25)

- FL-8-11-F-276 Photocopy of drawing
ACCESS & EQUIPMENT PLATFORMS-INTERIOR OF PAYLOAD
CHANGEOUT ROOM (PCR) FOR SPACE SHUTTLE AT LAUNCH PAD
39A
NASA, John F. Kennedy Space Center, Florida
Drawing 79K06519, Reynolds Smith & Hills, August, 1976
COVER SHEET
Sheet V1
- FL-8-11-F-277 Photocopy of drawing
LAUNCH COMPLEX 39A, PAYLOAD CHANGEOUT ROOM
NASA, John F. Kennedy Space Center, Florida
Drawing 79K05832, NASA KSC, December, 1976
MID-BODY UMBILICAL UNIT, TITLE SHEET
Sheet V-1
- FL-8-11-F-278 Photocopy of drawing
REFURBISHMENT OF PAD SURFACES AT LAUNCH PAD 39A FOR
SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K15223, Reynolds Smith & Hills, December, 1978
PROJECT COVER SHEET
Sheet 1 of 5
- FL-8-11-F-279 Photocopy of drawing
FLAME DEFLECTORS & FLAME TRENCH REFURBISHMENT-PAD
39A
NASA, John F. Kennedy Space Center, Florida
Drawing 79K35164, Reynolds Smith & Hills, March, 1998
GENERAL ARRANGEMENT PLAN & SECTION
Sheet V2
- FL-8-11-F-280 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
SHUTTLE FLAME DEFLECTORS INFORMATION & CRITERIA
Sheet S101

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 26)

- FL-8-11-F-281 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
GENERAL ARRANGEMENT SHUTTLE FLAME DEFLECTORS
Sheet S102
- FL-8-11-F-282 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
LAUNCH PAD 39A, PLAN AT EL 22'-0" (EXISTING)
Sheet V9
- FL-8-11-F-283 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
SECTIONS, LAUNCH PAD 39A (EXISTING)
Sheet V10
- FL-8-11-F-284 Photocopy of drawing
SOUND SUPPRESSION WATER SYSTEM, PAD 39A
NASA, John F. Kennedy Space Center, Florida
Drawing 79K07861, Reynolds Smith & Hills, December, 1976
SITE PLAN
Sheet M1
- FL-8-11-F-285 Photocopy of drawing
SOUND SUPPRESSION WATER SYSTEM, ELEVATED WATER TANK
AT LAUNCH PAD 39A
NASA, John F. Kennedy Space Center, Florida
Drawing 79K07859, Reynolds Smith & Hills, December, 1976
300,000 GALLON ELEVATED STORAGE TANK ASSEMBLY AND
DETAILS
Sheet M1

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 27)

- FL-8-11-F-286 Photocopy of drawing
PAD LC39A, EMERGENCY EGRESS SLIDEWIRE SYSTEM
MODIFICATIONS
NASA, John F. Kennedy Space Center, Florida
Drawing 80K51372, Reynolds Smith & Hills, October, 1987
GENERAL ARRANGEMENT AND KEY PLAN
Sheet 2
- FL-8-11-F-287 Photocopy of drawing
PAD LC39A, EMERGENCY EGRESS SLIDEWIRE SYSTEM
MODIFICATIONS
NASA, John F. Kennedy Space Center, Florida
Drawing 80K51372, Reynolds Smith & Hills, October, 1987
BASKET SAFETY TIE-OFF & RELEASE MECHANISM
Sheet 13
- FL-8-11-F-288 Photocopy of drawing
COMPLEX 39, VOLUME III, LAUNCH PAD "A"
NASA, John F. Kennedy Space Center, Florida
Drawing 203-102, Giffels & Rossetti, Inc., September, 1963
LOX ELECTRICAL EQUIPMENT BUILDING
Sheet 2103
- FL-8-11-F-289 Photocopy of drawing
OPERATIONS SUPPORT BUILDINGS, COMPLEX 39, PAD "A"
NASA, John F. Kennedy Space Center, Florida
Drawing 203-336, U.S. Army Corps of Engineers, May, 1965
LOX AREA, BUILDING A-1, FLOOR PLAN & DETAILS
Sheet 4
- FL-8-11-F-290 Photocopy of drawing
COMPLEX 39, VOLUME III, LAUNCH PAD "A"
NASA, John F. Kennedy Space Center, Florida
Drawing 203-102, Giffels & Rossetti, Inc., September, 1963
RP-1 & LH2 ELECTRICAL EQUIPMENT BLDG.
Sheet 2102

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 28)

- FL-8-11-F-291 Photocopy of drawing
OPERATIONS SUPPORT BUILDINGS, COMPLEX 39, PAD "A"
NASA, John F. Kennedy Space Center, Florida
Drawing 203-336, U.S. Army Corps of Engineers, May, 1965
LOX AREA, BUILDING A-2, PLAN, ELEVATIONS & DETAILS
Sheet 5
- FL-8-11-F-292 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
HYPERGOLIC STORAGE & TRANSFER BUILDING, FLOOR PLAN
Sheet S141
- FL-8-11-F-293 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
HYPERGOLIC STORAGE & TRANSFER BUILDING, ELEVATION
Sheet S142
- FL-8-11-F-294 Photocopy of drawing
MODIFICATIONS TO LAUNCH PAD 39A FOR SPACE SHUTTLE
NASA, John F. Kennedy Space Center, Florida
Drawing 79K04400, Reynolds Smith & Hills, March, 1975
HYPERGOLIC FACILITY ELECTRICAL EQUIPMENT BUILDING
Sheet S144
- FL-8-11-F-295 Photocopy of drawing
LAUNCH COMPLEX 39, PADS "A" AND "B", STANDBY WATER
CHILLING UNITS, REDUNDANT REMOTE AIR SUPPLY, AND EMC
VAN PARKING AREA
NASA, John F. Kennedy Space Center, Florida
Drawing 203-633, U.S. Army Corps of Engineers, October, 1966
CHILLED WATER BUILDING, ARCHITECTURAL
Sheet 8

CAPE CANAVERAL AIR FORCE STATION,
LAUNCH COMPLEX 39, PAD A,
(John F. Kennedy Space Center)
HAER FL-8-11-F
INDEX TO PHOTOGRAPHS (page 29)

- FL-8-11-F-296 Photocopy of drawing
COMPLEX 39, VOLUME III, LAUNCH PAD "A"
NASA, John F. Kennedy Space Center, Florida
Drawing 203-102, Giffels & Rossetti, Inc., September, 1963
PAD SUPPORT AREA, GRADING AND SITE PLAN
Sheet 2006
- FL-8-11-F-297 Photocopy of drawing
COMPLEX 39, VOLUME III, LAUNCH PAD "A"
NASA, John F. Kennedy Space Center, Florida
Drawing 203-102, Giffels & Rossetti, Inc., September, 1963
PAD SUPPORT AREA, CAMERA SITE DETAILS
Sheet 2023