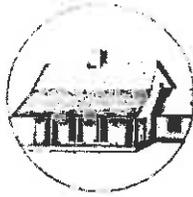


Original
 Update



HISTORICAL STRUCTURE FORM

FLORIDA MASTER SITE FILE

Version 4.0 1/07

Site #8 BR01693
Field Date 5-22-2012
Form Date 6-22-2012
Recorder # _____

Shaded Fields represent the minimum acceptable level of documentation.
Consult the *Guide to Historical Structure Forms* for detailed instructions.

Site Name(s) (address if none) Operations & Checkout (O&C) Building Multiple Listing (DHR only) _____
Survey Project Name HAER Level II, O&C Bldg, KSC, Brevard Survey # (DHR only) _____
National Register Category (please check one) building structure district site object
Ownership: private-profit private-nonprofit private-individual private-nonspecific city county state federal Native American foreign unknown

LOCATION & MAPPING

Street Number Fac#M7-0355 Direction _____ Street Name KSC Industrial Area Street Type _____ Suffix Direction _____
Address: _____
Cross Streets (nearest/ between) south side of First Street, between D and E Aves
USGS 7.5 Map Name ORSINO USGS Date 1976 Plat or Other Map _____
City / Town (within 3 miles) Cape Canaveral In City Limits? yes no unknown County Brevard
Township 23S Range 37E Section 4 1/4 section: NW SW SE NE Irregular-name: _____
Tax Parcel # N/A Landgrant _____
Subdivision Name _____ Block _____ Lot _____
UTM Coordinates: Zone 16 17 Easting 534600 Northing 3155100
Other Coordinates: X: _____ Y: _____ Coordinate System & Datum _____
Name of Public Tract (e.g., park) _____

HISTORY

Construction Year 1964 approximately year listed or earlier year listed or later
Original Use Offices, government From (year): 1964 To (year): _____
Current Use Offices, government From (year): _____ To (year): pres.
Other Use Assembly/Checkout; residence From (year): 1964 To (year): pres.
Moves: yes no unknown Date: _____ Original address _____
Alterations: yes no unknown Date: 1-1-2007 Nature new roof
Additions: yes no unknown Date: 1-1-1965 Nature east/west additions
Architect (last name first): Burns & Roe Inc Builder (last name first): various
Ownership History (especially original owner, dates, profession, etc.) National Aeronautics and Space Administration (1964-present))

Is the Resource Affected by a Local Preservation Ordinance? yes no unknown Describe _____

DESCRIPTION

Style International Exterior Plan Irregular Number of Stories 5
Exterior Fabric(s) 1. Concrete 2. _____ 3. _____
Roof Type(s) 1. Built-up 2. _____ 3. _____
Roof Material(s) 1. Built-up 2. _____ 3. _____
Roof secondary strucs. (dormers etc.) 1. _____ 2. _____
Windows (types, materials, etc.) 1-light fixed and 1-light pivot, metal, ribbon

Distinguishing Architectural Features (exterior or interior ornaments) _____

Ancillary Features / Outbuildings (record outbuildings, major landscape features; use continuation sheet if needed.) _____

DHR USE ONLY

OFFICIAL EVALUATION

DHR USE ONLY

NR List Date _____

Owner Objection

SHPO - Appears to meet criteria for NR listing: yes no insufficient info Date _____ Init. _____

KEEPER - Determined eligible: yes no Date _____

NR Criteria for Evaluation: a b c d (see *National Register Bulletin 15*, p. 2)

DESCRIPTION (continued)

Chimney: No. _____ Chimney Material(s): 1. _____ 2. _____
 Structural System(s): 1. Concrete 2. _____ 3. _____
 Foundation Type(s): 1. Other 2. Pile
 Foundation Material(s): 1. Poured Concrete Footing 2. _____
 Main Entrance (stylistic details) sliding glass doors-north elevation

Porch Descriptions (types, locations, roof types, etc.) _____

Condition (overall resource condition): excellent good fair deteriorated ruinous
 Narrative Description of Resource see attached

Archaeological Remains _____ Check if Archaeological Form Completed

RESEARCH METHODS (check all that apply)

FMSF record search (sites/surveys) library research building permits Sanborn maps
 FL State Archives/photo collection city directory occupant/owner interview plat maps
 property appraiser / tax records newspaper files neighbor interview Public Lands Survey (DEP)
 cultural resource survey (CRAS) historic photos interior inspection HABS/HAER record search
 other methods (describe) _____

Bibliographic References (give FMSF manuscript # if relevant, use continuation sheet if needed) see attached

OPINION OF RESOURCE SIGNIFICANCE

Appears to meet the criteria for National Register listing individually? yes no insufficient information
 Appears to meet the criteria for National Register listing as part of a district? yes no insufficient information
 Explanation of Evaluation (required, whether significant or not; use separate sheet if needed) see attached

Area(s) of Historical Significance (see *National Register Bulletin 15*, p. 8 for categories: e.g. "architecture", "ethnic heritage", "community planning & development", etc.)

1. Other 3. Engineering 5. _____
 2. Architecture 4. _____ 6. _____

DOCUMENTATION

Accessible Documentation Not Filed with the Site File - including field notes, analysis notes, photos, plans and other important documents

1) Document type All materials at one location Maintaining organization Archaeological Consultants Inc
 Document description _____ File or accession #'s P9026U
 2) Document type _____ Maintaining organization _____
 Document description _____ File or accession #'s _____

RECORDER INFORMATION

Recorder Name Slovinac, Trish Affiliation Archaeological Consultants Inc
 Recorder Contact Information 8110 Blaikie Court, St A, Sarasota, FL 34240/941-379-6206/ACIFloridaAcomcast.net
 (address / phone / fax / e-mail)

Required Attachments

- ① USGS 7.5' MAP WITH STRUCTURE LOCATION PINPOINTED IN RED
- ② LARGE SCALE STREET, PLAT OR PARCEL MAP (available from most property appraiser web sites)
- ③ PHOTO OF MAIN FACADE, ARCHIVAL B&W PRINT OR DIGITAL IMAGE FILE
 If submitting an image file, it must be included on disk or CD AND in hard copy format (plain paper is acceptable).
 Digital image must be at least 1600 x 1200 pixels, 24-bit color, jpeg or tiff.

CONTINUATION SHEET

Physical Description

The O&C Building is a five-story, 601,505 square foot facility located directly east of the Headquarters Building in the Industrial Area of KSC. It features two prominent, rectilinear, east-west oriented components to the north and south, which are connected by three north-south components. The building was designed following the principles of the International Style, which originated in Europe in the late 1920s with architects Walter Gropius, Ludwig Mies van der Rohe, and Le Corbusier. Although the style gained acceptance in the 1930s, its popularity tapered off in the late 1940s; it regained favor in the late 1960s through the 1970s. The O&C Building displays the lack of ornament, effect of volume, flat roof, ribbon windows, skeleton construction, and horizontality, which are hallmarks of the International Style. It takes advantage of the utilitarian functional and economic nature of the style, providing efficiency in plan and in the use of materials.

The three-story north wing contains the administrative and engineering offices. The two-story auditorium and cafeteria area forms the original, north-south connector. To either side of the auditorium and cafeteria area is a three-story corridor connector, constructed as part of the circa 1964-67 additions to the facility. The south wing of the facility is comprised of the laboratory and control room section (to the north), the High Bay, Low Bay, and airlock (in the center), and the utility and service area (to the south).

Explanation of Evaluation

The O&C Building is significant at the national level under NRHP Criterion A in the area of space exploration and under Criterion C in the areas of engineering and architecture. Because the structure has achieved significance within the past fifty years and is of exceptional importance in the areas of space exploration, engineering, and architecture, Criteria Consideration G applies. The O&C Building derives its significance from its historic function as the site where the Apollo spacecraft were processed and tested and where the astronaut crews were housed.

Bibliography

Burns and Roe, Inc. "MSC Operations and Checkout Building." November 1962. On file, KSC Engineering Documentation Center.

_____. "MSC Operations and Checkout Building Additions." July 1964. On file, KSC Engineering Documentation Center.

_____. "Third Floor Addition to Administrative & Engineering Office Area, MSC Operations and Checkout Building." April 1964. On file, KSC Engineering Documentation Center.

NASA. *Technical Facilities Catalog Volume II*. October 1974.

NASA KSC. "Real Property Record, Operations and Checkout Building." On file, KSC Real Property Office.

NASA MSC. "Criteria for Design, Operations & Checkout Building." March 9, 1962. Sweetsir Collection, File No. ARCH00017322, Kennedy Space Center Archives Department, Florida.



PHOTOGRAPHS

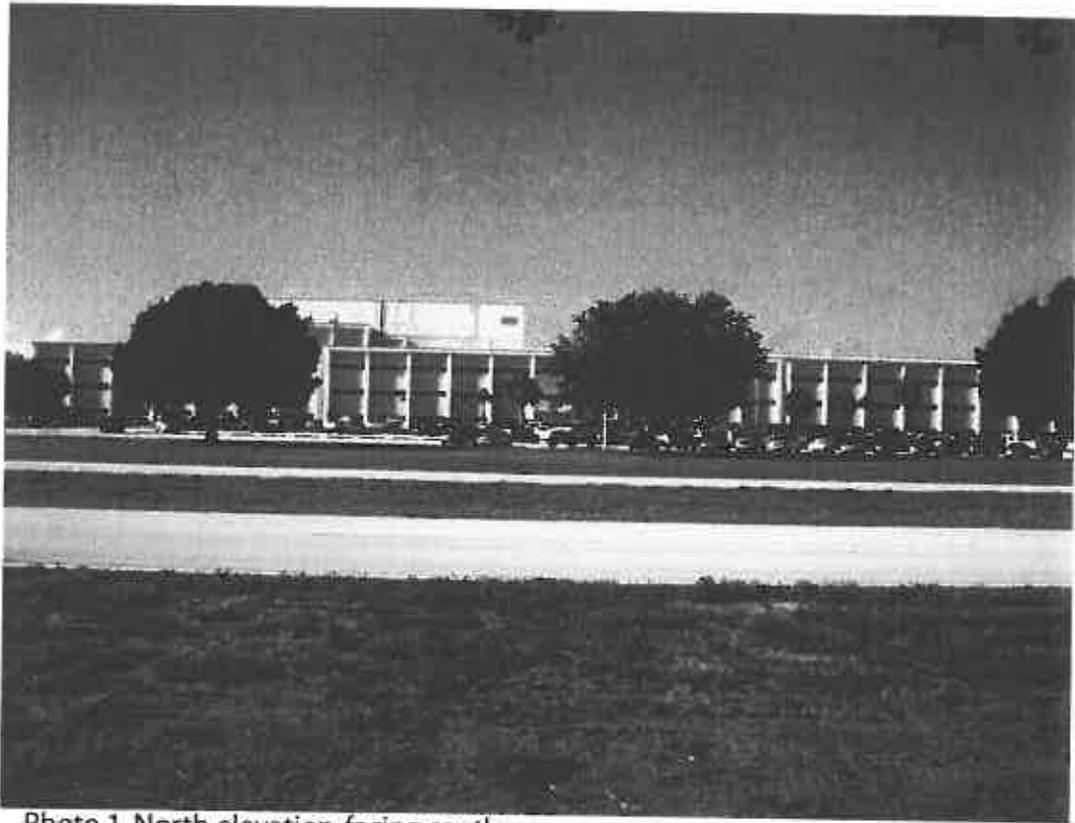


Photo 1. North elevation, facing south.



Photo 2. North and east elevations, facing southwest.



PHOTOGRAPHS

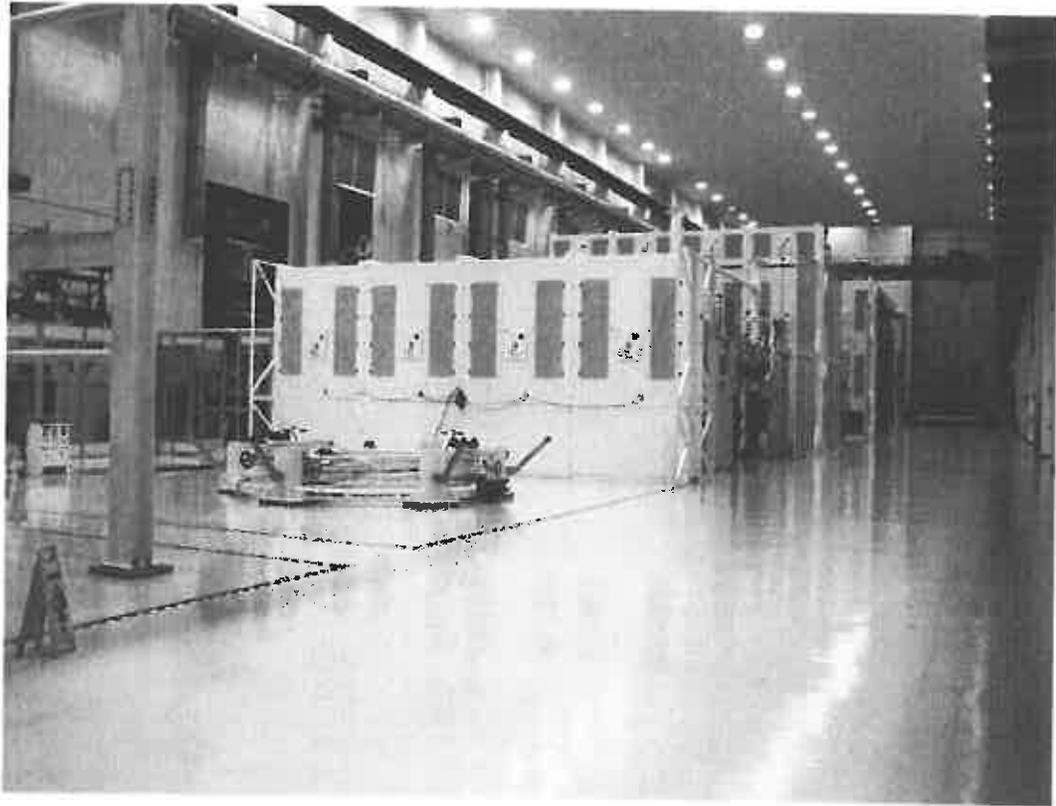


Photo 3. View of the Low and High Bays, facing northeast.



Photo 4. View of the astronaut suit up room, facing northwest.



PHOTOGRAPHS



Photo 5. View of astronaut conference room, facing southeast.



Photo 6. View of a typical astronaut bedroom, facing southwest.



PHOTOGRAPHS



Photo 7. View of original Mission Briefing Room (now the Auditorium), facing south.

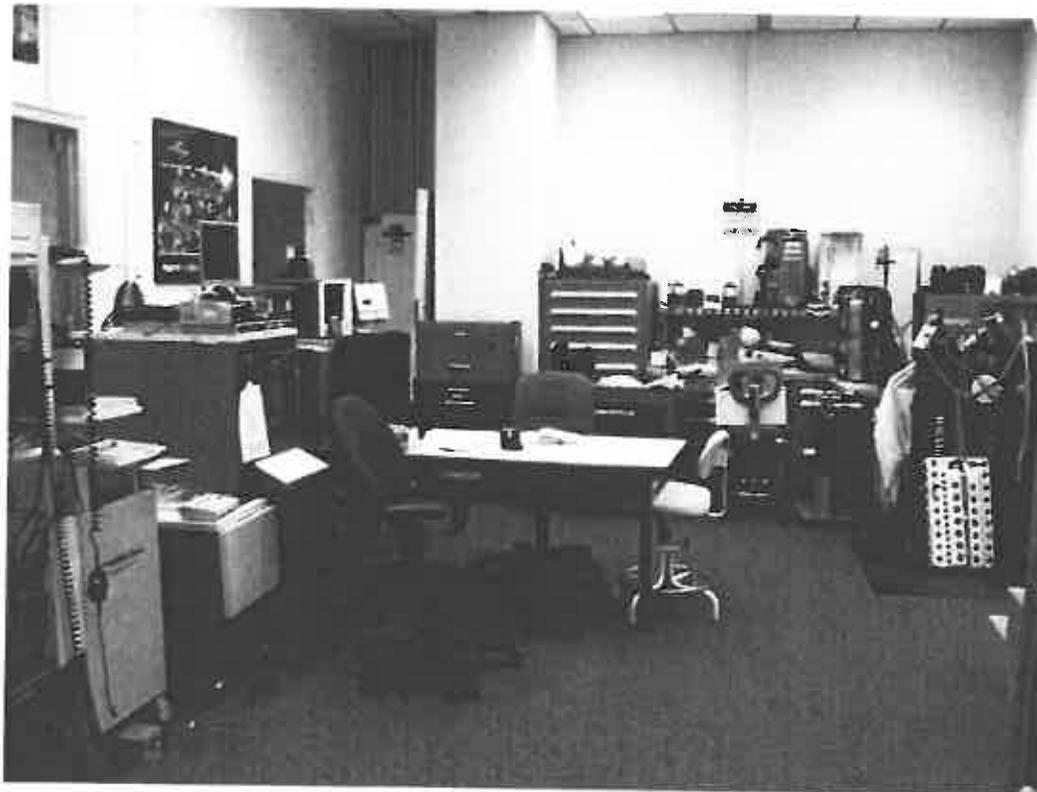


Photo 8. View of Biomedical Testing Laboratory, facing south.



PHOTOGRAPHS

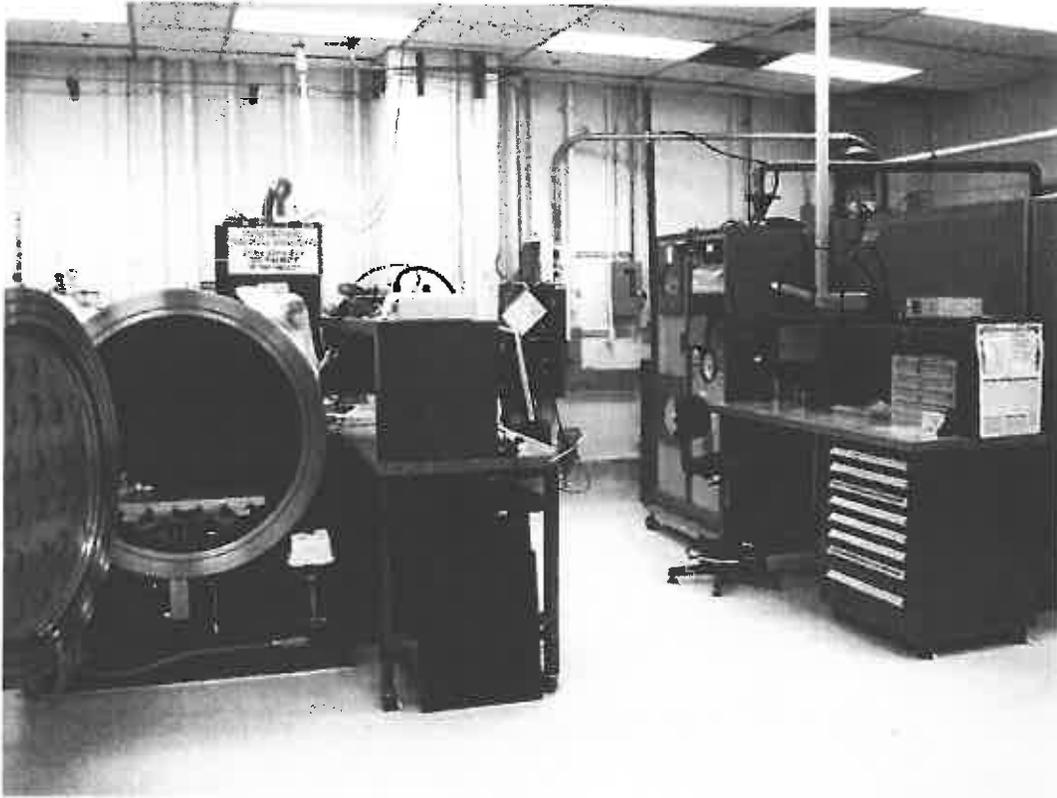


Photo 9. View of materials evaluation laboratory (with vacuum chamber), facing north.

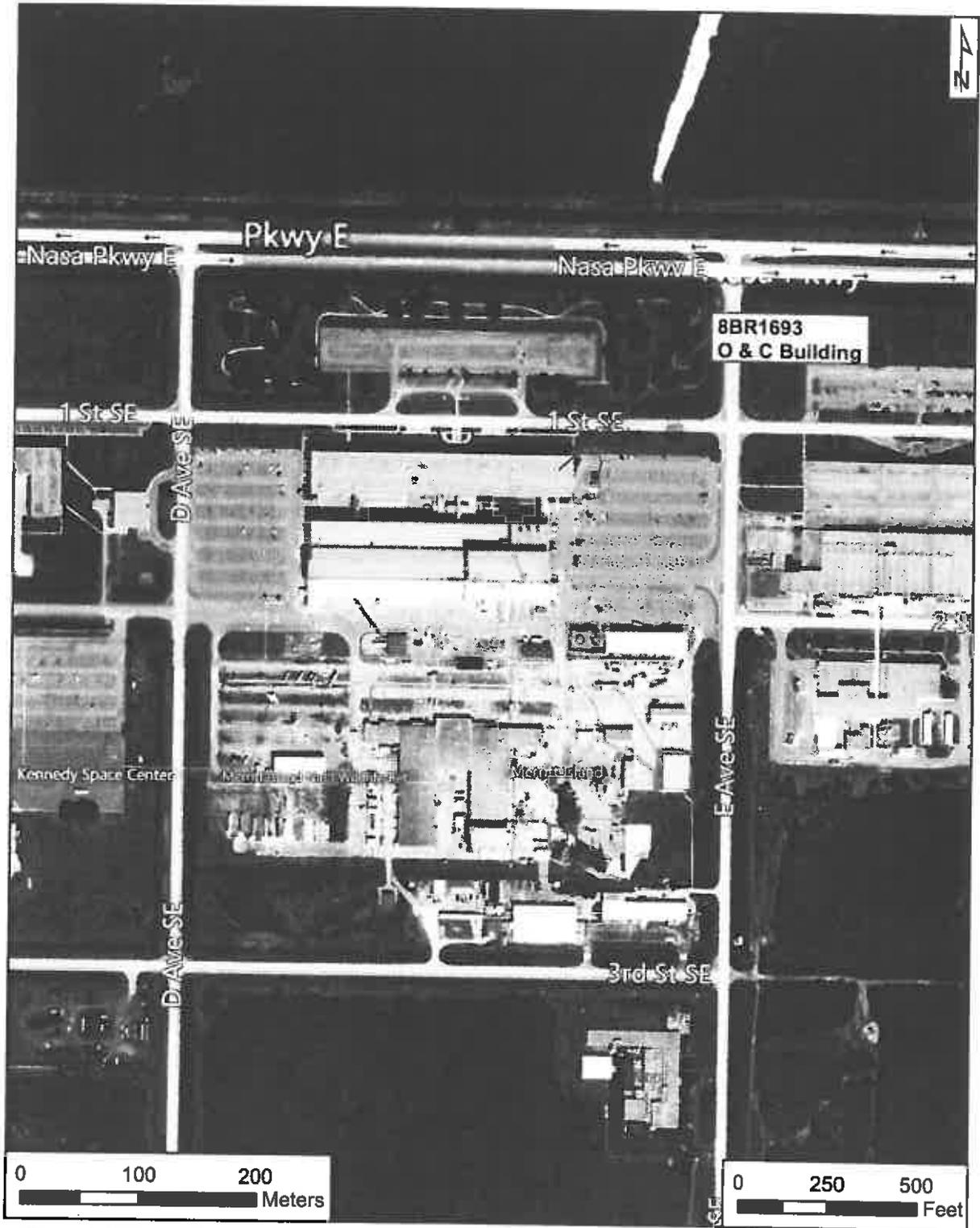


Photo 10. View of an original Apollo-era Acceptance Checkout Equipment console, facing south.



HISTORICAL STRUCTURE FORM AERIAL MAP

Site # 8BR1693





USGS

Orsino

Township 23 South, Range 37 East, Section 5

National Geographic Society (2011) *USA Topo Maps*

