



HISTORICAL STRUCTURE FORM

FLORIDA MASTER SITE FILE

Version 4.0 1/07

Site #8 BR02016
Field Date 3-8-2010
Form Date 4-11-2011
Recorder # _____

Original
 Update

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) Canister Rotation Facility(CRF) Multiple Listing (DHR only) _____
Survey Project Name HAER Documentation:CRF 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 M7-777 Direction _____ Street Name Industrial Area Street Type _____ Suffix Direction _____
Address: _____
Cross Streets (nearest / between) _____
USGS 7.5 Map Name ORSINO USGS Date 1976 Plat or Other Map _____
City / Town (within 3 miles) Titusville In City Limits? yes no unknown County Brevard
Township 23S Range 37E Section 05 ¼ section: NW SW SE NE Irregular-name: _____
Tax Parcel # N/A Landgrant _____
Subdivision Name _____ Block _____ Lot _____
UTM Coordinates: Zone 16 17 Easting 534333 Northing 3154661
Other Coordinates: X: _____ Y: _____ Coordinate System & Datum _____
Name of Public Tract (e.g., park) _____

HISTORY

Construction Year: 1993 approximately year listed or earlier year listed or later
Original Use Other From (year): _____ To (year): _____
Current Use Other From (year): _____ To (year): _____
Other Use _____ From (year): _____ To (year): _____
Moves: yes no unknown Date: _____ Original address _____
Alterations: yes no unknown Date: _____ Nature _____
Additions: yes no unknown Date: _____ Nature _____
Architect (last name first): Ivey's Construction Inc Builder (last name first): Ivey's Construction Inc
Ownership History (especially original owner, dates, profession, etc.) National Aeronautics and Space Administration

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

DESCRIPTION

Style Industrial Vernacular Exterior Plan Irregular Number of Stories 1
Exterior Fabric(s) 1. Metal 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, metal, independent; 1-light fixed, metal, paired

Distinguishing Architectural Features (exterior or interior ornaments) not applicable

Ancillary Features / Outbuildings (record outbuildings, major landscape features; use continuation sheet if needed.) not applicable

| DHR USE ONLY | | OFFICIAL EVALUATION | | DHR USE ONLY | |
|--|--|---------------------|-------------|--------------|--|
| NR List Date _____ | SHPO – Appears to meet criteria for NR listing: <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> insufficient info | Date _____ | Init. _____ | | |
| <input type="checkbox"/> Owner Objection | KEEPER – Determined eligible: <input type="checkbox"/> yes <input type="checkbox"/> no | Date _____ | | | |
| | NR Criteria for Evaluation: <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d (see <i>National Register Bulletin</i> 15, p. 2) | | | | |

DESCRIPTION (continued)

Chimney: No. _____ Chimney Material(s): 1. _____ 2. _____
 Structural System(s): 1. Skeleton-steel 2. Concrete block 3. _____
 Foundation Type(s): 1. Slab 2. _____
 Foundation Material(s): 1. Poured Concrete Footing 2. _____
 Main Entrance (stylistic details) 1-light metal swing door on east elevation

Porch Descriptions (types, locations, roof types, etc.) not applicable

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)

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> FMSF record search (sites/surveys) | <input checked="" type="checkbox"/> library research | <input type="checkbox"/> building permits | <input type="checkbox"/> Sanborn maps |
| <input type="checkbox"/> FL State Archives/photo collection | <input type="checkbox"/> city directory | <input checked="" type="checkbox"/> occupant/owner interview | <input type="checkbox"/> plat maps |
| <input type="checkbox"/> property appraiser / tax records | <input checked="" type="checkbox"/> newspaper files | <input type="checkbox"/> neighbor interview | <input type="checkbox"/> Public Lands Survey (DEP) |
| <input checked="" type="checkbox"/> cultural resource survey (CRAS) | <input checked="" type="checkbox"/> historic photos | <input checked="" type="checkbox"/> interior inspection | <input type="checkbox"/> HABS/HAER record search |
| <input type="checkbox"/> 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. <u>Other</u> | 3. <u>Engineering</u> | 5. _____ |
| 2. <u>Transportation</u> | 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 <u>All materials at one location</u> | Maintaining organization <u>Archaeological Consultants Inc</u> |
| Document description _____ | File or accession #'s <u>P9026J</u> |
| 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 25,121 ft² Canister Rotation Facility is comprised of a high bay, an administrative office, and a low bay for Multi-use Mission Support Equipment (MMSE). The 7,200 ft², 142 ft tall high bay is a 300,000 class clean room with a temperature and humidity range of 71+/-6 degrees and a maximum relative humidity of 55 degrees. It contains a 100-ton bridge crane used to hoist and rotate the payload canister to either horizontal or vertical position, a 10-ton auxiliary crane, as well as four stanchions or upright supports used to demate the payload canister from the transporter.

Explanation of Evaluation:

The Canister Rotation Facility is considered eligible for listing in the NRHP in the context of the U.S. Space Shuttle Program (1969-2010) under Criteria A and C in the areas of Space Exploration and Engineering, respectively. Because it has achieved significance within the past 50 years, Criteria Consideration G applies. The Canister Rotation Facility was designed and built exclusively to provide for the horizontal and vertical rotation of the Payload Canister in support of the U.S. Space Shuttle Program. This building made possible a more efficient performance of this operation, previously conducted in the Vehicle Assembly Building. The Canister Rotation Facility is in excellent condition and maintains integrity of location, design, setting, materials, workmanship, feeling, and association.

CONTINUATION SHEET

Bibliographic References:

Anonymous. "KSC Complex 39 Reshaped for Role in the Shuttle Era." *Marshall Star*, July 6, 1977: 2.

Anonymous. "First Shuttle Base." *Spaceflight* Volume 19, No. 6, June 1977:218-227.

Jenkins, Dennis R. *Space Shuttle, The History of the National Space Transportation System. The First 100 Missions*. Hong Kong: World Print Ltd., 2001.

National Aeronautics and Space Administration. *America's Spaceport: John F. Kennedy Space Center*, n.d.a

National Aeronautics and Space Administration. *Countdown! NASA Space Shuttles and Facilities*. IS-2005-06-017-KSC, n.d.b

National Aeronautics and Space Administration. *Technical Facilities Catalog* [NHB 8800.5 (II)], March 1967.

National Aeronautics and Space Administration. *Technical Facilities Catalog* [NHB 8800.5A (II)], October 1974.

National Aeronautics and Space Administration. *Facts: John F. Kennedy Space Center*, 1994.

National Aeronautics and Space Administration. *Basic Information Guide/KSC GP-14-2*, KSC Master Planning, October 2000.

Websites

"Canister Rotation Facility," NASA Facts On Line
<http://www-pao.ksc.nasa.gov/kscpao/nasafact/pdf/CRF-06.pdf>.

Facility Detail. Transporter/Canister Facility.
http://sgs.ksc.nasa.gov/sgs/apps/mis/fic/display.cfm?fac_id=620.

"Payload Canister." <http://www-pao.ksc.nasa.gov/nasafact/count3teaf.htm>.

PHOTOGRAPHS



PHOTOGRAPHS

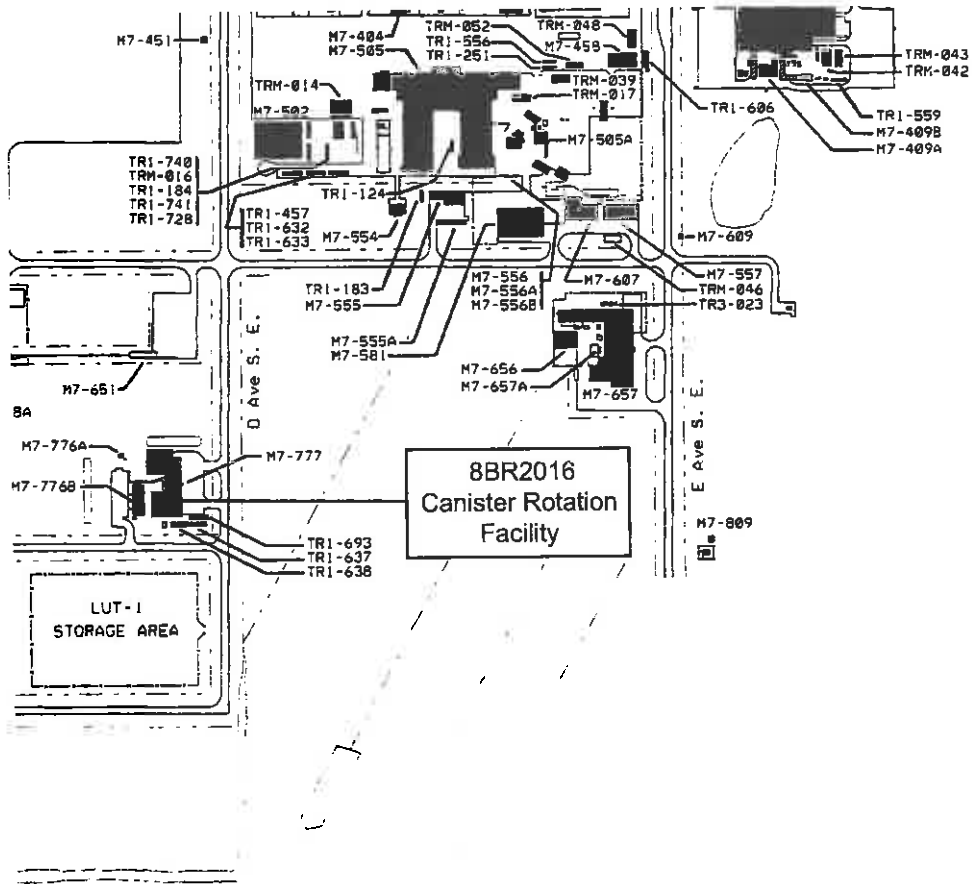


HISTORICAL STRUCTURE FORM

Site #8 BR2016

STREET OR PLAT MAP

Source: NASA John F. Kennedy Space Center,
Facility Utilization Chart,
July 1, 1995,
Chart F



USGS MAP

Township 23 South, Range 37 East, Section 5
Orsino, Fla. 1976

