

HISTORICAL STRUCTURE FORM FLORIDA MASTER SITE FILE

Version 3.0 11/96

Consult Guide To Historical Structure Forms for detailed instructions.

Site #8 BR1993

Recorder # 2-248

Field Date 7/28/06

Form Date 10/4/06

Original

Update

(site #)

Site Name(s) (address if none) Hypergol Module Processing (North) Multiple Listing [DHR only] _____
Survey Survey of Space Shuttle Program Facilities at the John F. Kennedy Space Center Survey # _____
National Register Category (Please check one: consult with Site File before using last four): building structure district site object

LOCATION & IDENTIFICATION

Address (Include N,S,E,W;#;St.,Ave.,etc.) Building # M7-961, Industrial Area, John F. Kennedy Space Center
Cross Streets (nearest/between) _____
City/Town (within 3 miles) Titusville In Current City Limits: y n unknown
County Brevard Tax Parcel #(s) n/a
Subdivision name _____ Block _____ Lot _____
Ownership (Please check one): private-profit private-individual city county Native American
 private-nonprofit private-unspecified state federal foreign unknown
Name of Public Tract (e.g., park) _____
Route to (especially if no street address) _____

MAPPING

USGS 7.5' Map Name & Date Orsino, Fla. 1976
Township 23S Range 37E Section 04 1/4 section: NW SW SE NE irregular-name: _____
Landgrant _____ UTM: Zone 16 17 Easting 535117 Northing 3154174
Plat or other map (map's name, location) _____

DESCRIPTION

Style* Industrial Vernacular Exterior Plan* irregular Number of Stories 1
Structural System(s)* concrete block; structural steel
Foundation: Type(s)* slab Material(s)* poured concrete
Exterior Fabric(s)* metal siding
Roof: Type(s)* flat Material(s)* built-up
Roof secondary strucs. (dormers etc.)* _____
Chimney: No. _____ Material(s)* _____ Location(s)* _____
Windows (types, materials, etc.)* n/a
Main Entrance (stylistic details) metal swing door
Porches: #open _____ #closed _____ #incised _____ Location(s) _____
Porch roof type(s) _____
Exterior Ornament _____
Interior Plan* irregular
Condition (Please check one): excellent good fair deteriorated ruinous
Surroundings (N=None, S=Some, M=Most, A=All/nearly all) N commercial N residential A institutional N undeveloped
Ancillary Features (No., type of outbuildings; major landscape features. Use continuation sheet for descriptions of interior, landscaping, etc) _____

Archaeological Remains none Check if Archaeological Form completed
*Consult Guide to Historical Structure Forms for preferred descriptions (coded fields at the Site File).

DHR USE ONLY ***** OFFICIAL EVALUATIONS ***** DHR USE ONLY

NR DATE	KEEPER-NR ELIGIBILITY <input type="checkbox"/> yes <input type="checkbox"/> no	Date _____
	SHPO-NR ELIGIBILITY: <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> potentially elig. <input type="checkbox"/> insufficient info	Date _____
DELIST DATE	LOCAL DESIGNATION:	Date _____
	Local office	
National Register Criteria for Evaluation	<input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d (See National Register Bulletin 15, p.2)	

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HISTORY

Construction date: Exactly _____ (year) Approximately 1964 (year) Earlier than _____ (year) Later than _____ (year)

Architect (last name first): unknown Builder (last name first): unknown

Moves: yes no unknown Dates _____ Original address _____

Alterations: yes no unknown Dates _____ Nature* _____

Additions: yes no unknown Dates _____ Nature* _____

Original Use* (give date ranges) OTHER: Hazardous fluid test complex-Apollo Program

Intermediate Uses* (give date ranges) OTHER: Hazardous fluid test complex-Apollo Program; Maintenance of hypergolic-fueled OMS pods

Present Use* (give date ranges) OTHER: Maintenance of hypergolic-fueled OMS pods

Ownership History (especially original owner, dates, profession, etc.) National Aeronautics and Space Administration

*Consult Guide to Historical Structure Forms for preferred descriptions (coded fields at the Site File).

RESEARCH METHODS (Check all choices that apply; if needed write others at bottom)

- formal archaeological survey
- past surveys search at FMSF
- local library research
- Sanborn maps
- informal archaeological inspection
- past sites search at FMSF
- non-local library research
- subdivision maps
- Public Lands Survey (DEP)
- FL Archives (Gray Building)
- building permits
- plat maps
- tax records/property deeds
- FL Photo Archives (Gray Building)
- demolition permits
- local newspaper files
- tax records only
- occupant/owner interview
- commercial permits
- interior inspection
- neighbor interview
- occupation permits
- other methods (specify) _____

SURVEYOR'S EVALUATION OF SITE (Check one choice on each line)

Potentially eligible for local register? yes: name register at right no insufficient info Name of local register if eligible: _____

Individually eligible for National Register? yes no insufficient info _____

Potential contributor to Nat. Reg. district? yes no insufficient info _____

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

OTHER: Space Exploration; Transportation

Explanation of Evaluation (required, whether positive or not; limit to three lines; attach longer statement, if needed, on separate sheet) see continuation sheet

DOCUMENTATION (Photos, Plans, etc.)

Bibliographic References (Use Continuation Sheet, give FMSF Manuscript # if relevant) see continuation sheet

Photographs (required) B&W print(s) at least 3x5, at least one main facade. Location of negatives & negative numbers Archaeological Consultants, Inc., Sarasota; Roll 2, photos 248-259; Roll 3, photo 4.

RECORDER

Name (last name first)/Address/Phone/Fax/Email/Affiliation Slovinac, Patricia and Joan Deming Archaeological Consultants, Inc./P.O. Box 5103, Sarasota, FL 34277-5103/(941)379-6206/(941)379-6216/ACIFlorida@comcast.net

Remember: Use a Supplement for Site Forms or other continuation sheet for descriptions that do not fit in the spaces above.

- REQUIRED:**
- (1) USGS 7.5' MAP WITH STRUCTURE PINPOINTED IN RED
 - (2) LARGE SCALE STREET OR PLAT MAP
 - (3) PHOTO OF MAIN FACADE, PREFER B&W, AT LEAST 3x5

CONTINUATION SHEET

Explanation of Evaluation:

The Hypergol Module Processing (North) building is considered eligible for listing in the NRHP under Criterion A in the context of the U.S. Space Shuttle Program (1969-2010) in the area of Space Exploration. Because it has achieved significance within the past 50 years, Criteria Consideration G applies. It is a one of a kind facility used for processing the orbiter maneuvering system (OMS) pods, with the incorporated reaction control system (RCS), both of which use the hypergolic fuels monomethyl hydrazine (MMH) and nitrogen tetroxide, which explode on contact. The HMP is in good condition and maintains integrity of location, design, setting, materials, workmanship, feeling, and association.

In addition to its individual eligibility, the Hypergol Module Processing (North) facility is considered a contributing resource in the Hypergolic Maintenance and Checkout Area Historic District (8BR2015).

CONTINUATION SHEET

Bibliographic References:

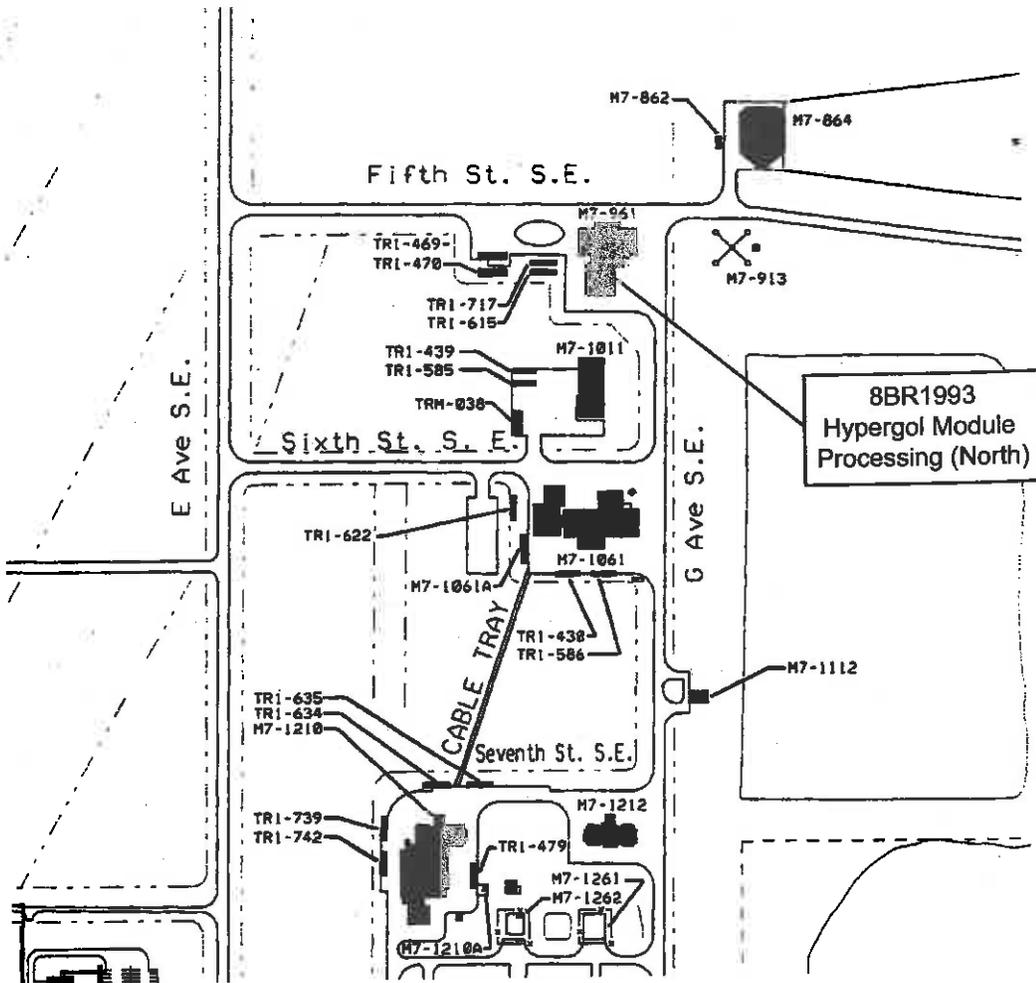
- Anonymous. "KSC Complex 39 Reshaped for Role in the Shuttle Era." *Marshall Star*, July 6, 1977: 2.
- Anonymous. "First Shuttle Base." *Spaceflight* Volume 19, No. 6, June 1977:218-227.
- Benson, Charles D. and William B. Flaherty. *Gateway to the Moon. Building the Kennedy Space Center Launch Complex*. Gainesville: University Press of Florida, 1978.
- 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. *Space Shuttle Launch Support Equipment Data Handbook*, Engineering Development Directorate, KSC-DD-186 Revision A, March 30, 1993.
- 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.

HISTORICAL STRUCTURE FORM

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STREET OR PLAT MAP

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



USGS MAP

Township 23 South, Range 37 East, Section 4
Orsino, Fla. 1976

