

(Oct. 1990)

**United States Department of the Interior
National Park Service**

**NATIONAL REGISTER OF HISTORIC PLACES
REGISTRATION FORM**

1. NAME OF PROPERTY

HISTORIC NAME: Facility 49, Naval Weapons Industrial Reserve Plant (NWIRP) Dallas

OTHER NAME/SITE NUMBER: Engineering Building

2. LOCATION

STREET & NUMBER: 9314 Jefferson Boulevard

NOT FOR PUBLICATION: N/A

CITY OR TOWN: Dallas

VICINITY: N/A

STATE: Texas

CODE: TX

COUNTY: Dallas

CODE: 113

ZIP CODE: 75265-5907

3. STATE/FEDERAL AGENCY CERTIFICATION

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this x nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property x meets does not meet the National Register criteria. I recommend that this property be considered significant nationally statewide x locally. (See continuation sheet for additional comments.)

Signature of certifying official

Date

State Historic Preservation Officer, Texas Historical Commission

State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria.
(See continuation sheet for additional comments.)

Signature of commenting or other official

Date

State or Federal agency and bureau

4. NATIONAL PARK SERVICE CERTIFICATION

I hereby certify that this property is:

Signature of the Keeper

Date of Action

 entered in the National Register

 See continuation sheet.

 determined eligible for the National Register

 See continuation sheet.

 determined not eligible for the National Register

 removed from the National Register

 other (explain): _____

5. CLASSIFICATION

OWNERSHIP OF PROPERTY: Public-Federal

CATEGORY OF PROPERTY: Building

NUMBER OF RESOURCES WITHIN PROPERTY:	CONTRIBUTING	NONCONTRIBUTING
	1	0 BUILDINGS
	0	0 SITES
	0	0 STRUCTURES
	0	0 OBJECTS
	1	0 TOTAL

NUMBER OF CONTRIBUTING RESOURCES PREVIOUSLY LISTED IN THE NATIONAL REGISTER: 0

NAME OF RELATED MULTIPLE PROPERTY LISTING: Historic and Architectural Resources at
Naval Weapons Industrial Reserve Plant (NWIRP)
Dallas, Dallas, Texas

6. FUNCTION OR USE

HISTORIC FUNCTIONS: INDUSTRIAL/manufacturing facility

CURRENT FUNCTIONS: INDUSTRIAL/manufacturing facility

7. DESCRIPTION

ARCHITECTURAL CLASSIFICATION: no style

MATERIALS: FOUNDATION concrete
WALLS concrete, ribbed steel panels
ROOF built-up
OTHER

NARRATIVE DESCRIPTION (see continuation sheet 7-5)

8. STATEMENT OF SIGNIFICANCE

APPLICABLE NATIONAL REGISTER CRITERIA

- A** PROPERTY IS ASSOCIATED WITH EVENTS THAT HAVE MADE A SIGNIFICANT CONTRIBUTION TO THE BROAD PATTERNS OF OUR HISTORY.
- B** PROPERTY IS ASSOCIATED WITH THE LIVES OF PERSONS SIGNIFICANT IN OUR PAST.
- C** PROPERTY EMBODIES THE DISTINCTIVE CHARACTERISTICS OF A TYPE, PERIOD, OR METHOD OF CONSTRUCTION OR REPRESENTS THE WORK OF A MASTER, OR POSSESSES HIGH ARTISTIC VALUE, OR REPRESENTS A SIGNIFICANT AND DISTINGUISHABLE ENTITY WHOSE COMPONENTS LACK INDIVIDUAL DISTINCTION.
- D** PROPERTY HAS YIELDED, OR IS LIKELY TO YIELD, INFORMATION IMPORTANT IN PREHISTORY OR HISTORY.

CRITERIA CONSIDERATIONS: N/A

AREAS OF SIGNIFICANCE: Industry

PERIOD OF SIGNIFICANCE: 1949-1974

SIGNIFICANT DATES: 1949, 1952

SIGNIFICANT PERSON: N/A

CULTURAL AFFILIATION: N/A

ARCHITECT/BUILDER: Albert Kahn Associates, Inc.

NARRATIVE STATEMENT OF SIGNIFICANCE (see continuation sheet 8-6)

9. MAJOR BIBLIOGRAPHIC REFERENCES

BIBLIOGRAPHY (see *Historic Resources Survey Naval Weapons Industrial Reserve Plant Dallas, Dallas County, Texas*)

PREVIOUS DOCUMENTATION ON FILE (NPS): N/A

- preliminary determination of individual listing (36 CFR 67) has been requested.
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey #
- recorded by Historic American Engineering Record #

PRIMARY LOCATION OF ADDITIONAL DATA:

- State historic preservation office (*Texas Historical Commission*)
- Other state agency
- Federal agency
- Local government
- University
- Other -- Specify Repository:

10. GEOGRAPHICAL DATA

ACREAGE OF PROPERTY: approximately three acres

UTM REFERENCES Zone Easting Northing
 14 689102E 3624595N

VERBAL BOUNDARY DESCRIPTION: The exterior walls of Facility 49 define the boundaries of the property to be nominated. An attached map graphically depicts the boundaries and is used in lieu of a detailed metes and bounds description of the boundaries (see continuation sheet Map-7).

BOUNDARY JUSTIFICATION: Facility 49 is within an industrial complex that includes over 300 buildings and structures (see continuation sheet Map-8).

11. FORM PREPARED BY

NAME/TITLE: Laurie A. Pospisil-Gotcher/Historian, Jennifer Ross/Architectural Historian,
 and Thomas P.Eisenhour

ORGANIZATION: Hardy-Heck-Moore, Inc. (HHM)

DATE: November 1, 2001

STREET & NUMBER: 611 S. Congress, Suite 300

TELEPHONE: 512-478-8014

CITY OR TOWN: Austin

STATE: TX

ZIP CODE: 78704

ADDITIONAL DOCUMENTATION

CONTINUATION SHEETS

MAPS (see continuation sheets Map-7 through 8)

PHOTOGRAPHS (see continuation sheet Photo-9)

ADDITIONAL ITEMS

PROPERTY OWNER

NAME: United States of America: Department of the Navy, Naval Air Systems Command

STREET & NUMBER: 47123 Buse Road

TELEPHONE:

CITY OR TOWN: Patuxent River

STATE: MD

ZIP CODE: 20670-1547

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National Register of Historic Places Continuation Sheet

Section 7 Page 5

Facility 49, NWIRP Dallas
Dallas, Dallas County, Texas

Description

Constructed in the north-central portion of NWIRP Dallas in 1949, Facility 49 is a 134,457-square-foot engineering building. The building abuts to Facility 7 along its east façade and Facility 6 along its south façade. The steel-frame facility features concrete and ribbed steel exterior cladding. The flat roof is constructed of ribbed-metal decking, rigid insulation boards, and built-up roofing materials, all of which are supported by steel trusses and purlins. Facility 49 has undergone few alterations and is in good condition. Facility 49 retains its historic and architectural integrity to a good degree.

Facility 49, constructed in 1949, is a three-story building in the north-central portion of NWIRP Dallas. The facility, which faces north onto Jefferson Boulevard, is adjacent to the west facade of Facility 7, the former Plant "B" Office. It also shares a common wall Facility 6 on the south. A concrete sidewalk lies directly north of the facility. Beyond the sidewalk, a grass strip with trees borders Jefferson Boulevard. To the west of the building is paved employee parking lot. A steel picket fence separates the building from the parking lot.

The steel-frame facility, which measures 151'-0" north/south x 275'-0" east/west, rests atop a concrete slab-on-grade foundation. Exterior walls are reinforced concrete up to 5'-6" above the ground floor, then ribbed steel panels on structural steel framing to the roofline. The building's steel-frame flat roof consists of a ribbed-metal deck, a layer of rigid insulation board, and built-up roofing materials. An elevator penthouse tops the roof. Roof drains lead to downspouts on the facility's north facade.

Clear acrylic wall panels form an entry porch on the building's east facade. Exterior entrances include hinged single doors with vision panels on the north and west facades, and hinged single aluminum-and-glass doors on the west facade. The building was designed to blackout standards and has no windows.

Facility 49's interior is subdivided into large offices by corridors on each floor. Each office area is further partitioned into private offices, reception areas, and conference rooms by fixed walls. Moveable metal partitions form temporary workspaces. An auditorium and meeting rooms are on the building's second floor. Floors are generally carpeted and interior wall finishes include textured and painted gypsum board. Interior doors are typically flush wood solid-core units. Ceilings are suspended acoustical tile with recessed fluorescent troffers.

Facility 49 remains in its original location and remains identifiable to its period of significance, despite a 1,450-square-foot addition, constructed in 1956, and a 458-square foot addition, erected in 1990. Because both additions utilize structural systems, exterior materials, and roof forms similar to those of the building's original portion, they do not significantly detract from the facility's original appearance. Although the resource currently functions as an office building, throughout much of its history, the resource functioned as an engineering building. The building is in good condition and retains its historic and architectural integrity to a good degree.

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Section 8 Page 6

Facility 49, NWIRP Dallas
Dallas, Dallas County, Texas

Statement of Significance

Facility 49, the Engineering Building, was the largest construction project undertaken by Chance Vought Aircraft in conjunction with the company's move from Connecticut to NWIRP Dallas in 1948. Throughout its history, Facility 49 has been used as an Engineering and Office building, supporting Chance Vought's missile and jet aircraft design programs during the Cold War period. Facility 49's significance stems primarily from its association with important patterns of history, specifically its contributions to military defense from 1949 to 1989. Consequently, Facility 49 is directly linked to all aspects of the historic context developed for the activity, *NWIRP Dallas: A World War II and Cold War Aircraft and Missile Manufacturing Plant, 1942-1945 and 1949-1989*. Although the property was not directly involved in the production of aircraft and missiles, it played a key role in product development and design. Because of its role in a locally significant military-industrial plant, Facility 49 is eligible for inclusion in the NRHP under Criteria A.

Facility 49 is in the northwest portion of the NWIRP Dallas complex and adjoins Facilities 6 and 7 along the south and east façade respectively. Referred to as the Engineering Building, Facility 49 was the largest construction project undertaken by Chance Vought Aircraft in conjunction with the company's move from Connecticut to NWIRP Dallas in 1948. Albert Kahn Associates Inc., a prominent industrial design firm based in Detroit, Michigan, designed the four-story office and engineering building. Albert Kahn's firm is credited with setting the standard for industrial architecture for much of the 20th century. Although Chance Vought Aircraft financed the \$1,697,341.71 construction project, Facility 49 became government owned through a process of amortization in which the federal government offered the company tax credits to offset construction costs. The period of amortization ended in 1953 and Vought subsequently transferred ownership to the Navy and remained as a tenant.

Impetus for the building's construction stemmed from the transfer of 107 members of Vought's engineering team to Dallas in September 1948. Carpenter Brothers Construction Company, of Dallas, completed the new 134,457-square-foot building in 1949. Property cards on file at NWIRP Dallas show minor interior alterations to Facility 49, such as the installation of air conditioning and interior expansion of the Antenna Test Laboratory. In 1956, property cards indicate that Chance Vought funded a 1,450-square-foot addition to the building as part of a Korean War expansion at NWIRP Dallas.

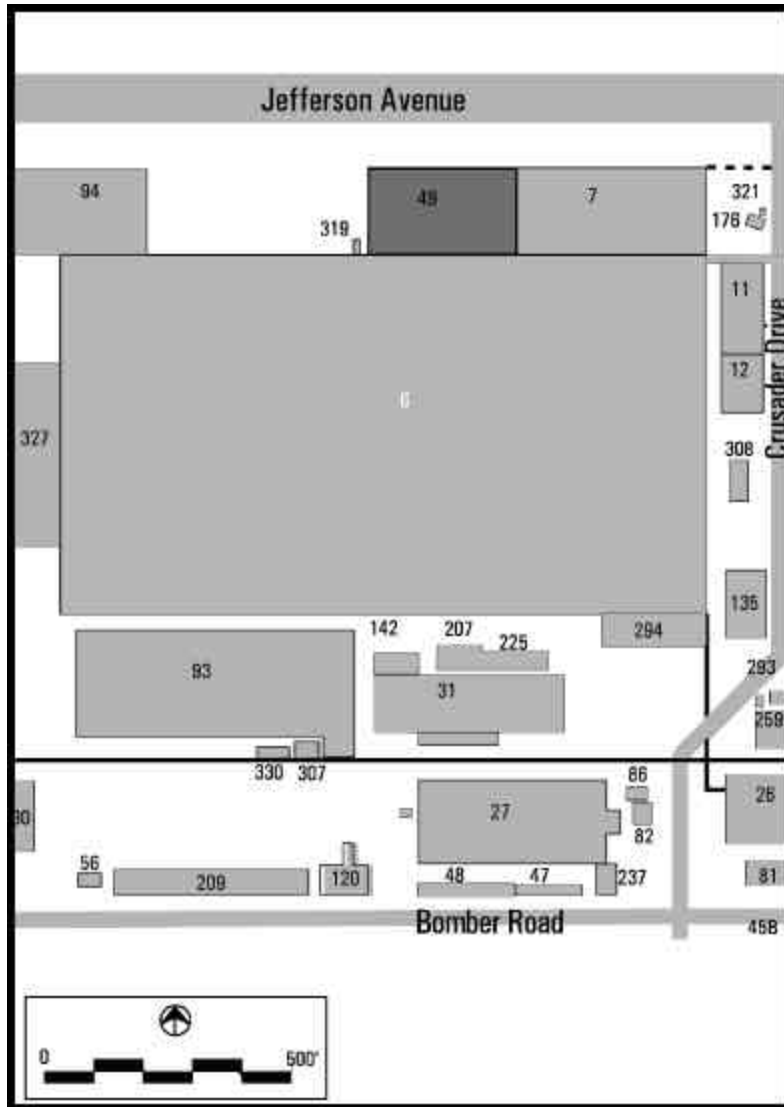
Throughout the Cold War period, the function of Facility 49 remained constant as an Engineering Building. Chance Vought utilized Facility 49 to design its Cold War products, including modifications to the Regulus I missile and Cutlass jet aircraft as well as the complete design of the Regulus II missile, F8U Crusader, the Corsair II. In the 1980s and 1990s, the tenant of NWIRP Dallas – LTV – received a massive subcontract for work on the B1B Stealth bomber. To accommodate engineering work on the stealth bomber, LTV funded a 458-square foot addition to Facility 49. In 1993, NWIRP Dallas tenant Northrop Grumman converted the property from an Engineering Building to administrative offices. Today, Facility 49 continues to be used as an office building by current tenant Chance Vought Aircraft Industries.

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Section Map Page 7

Facility 49, NWIRP Dallas
Dallas, Dallas County, Texas



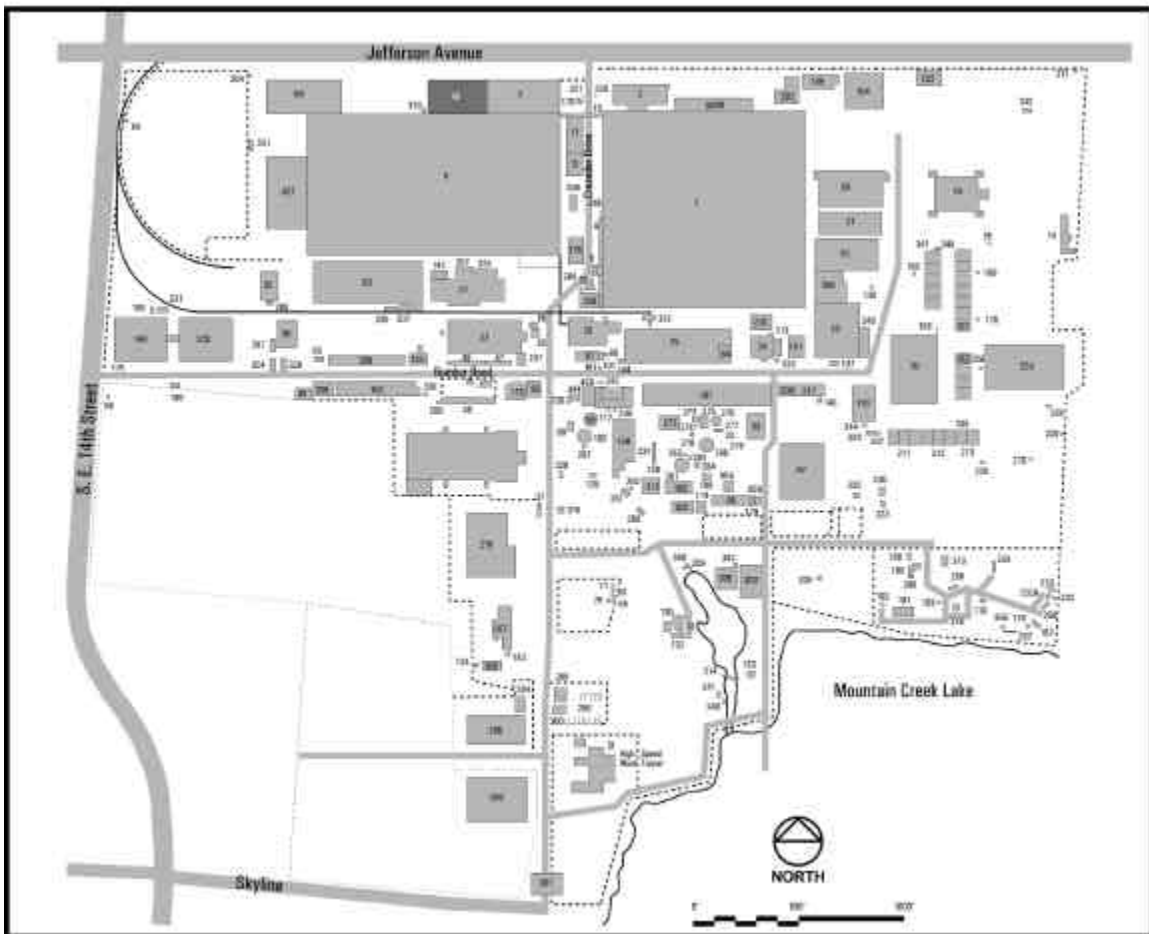
NWIRP Dallas, site plan showing Facility 49

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Section Map Page 8

Facility 49, NWIRP Dallas
Dallas, Dallas County, Texas



NWIRP Dallas, site plan showing Facility 49

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Section Photo Page 9

Facility 49, NWIRP Dallas
Dallas, Dallas County, Texas

Photo Log

Facility 49

Naval Weapons Industrial Reserve Plant (NWIRP) Dallas, Facility 49

Dallas, Dallas County, Texas

Photographed by Thomas Eisenhour

October 2001

Negative with HHM Inc.

North and west facades, camera facing southeast

Photograph 1 of 2

Naval Weapons Industrial Reserve Plant (NWIRP) Dallas, Facility 49

Dallas, Dallas County, Texas

Photographed by Thomas Eisenhour

October 2001

Negative with HHM Inc.

Oblique view of north façade, camera facing southwest

Photograph 2 of 2



N and W facades of Facility 49, camera facing SE



Oblique view of N facade of Facility 49, camera facing SW