PH0093912

Form 10-300 (Dec. 1968)

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

#### NATIONAL REGISTER OF HISTORIC PLACES INVENTORY - NOMINATION FORM

STATE:	
Washington	
COUNTY:	
King	•
FOR NPS USE O	NLY
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118,53,0011	8/26/

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	AND/OR HISTORIC:	8 m>							
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CONDITION				(Check (	One)		
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The building is all frame with heavy timber structure. The roof is tarred. Minor modifications in window arrangement, interior partitions have been made, but the basic structure is original and in sound condition. The exterior was repainted a barn red and large letters (Boeing Airplane Co.) repainted on the face of the building in recent years.

A plaque was placed by the entrance to commemorate the 50th anniversary of The Boeing Company in July of 1966.

The structure consists of two stories with a peaked roof,  $60' \times 140'$ , with an additional 44' of single storied wing attached to its west side. Originally the office was a 14'  $\times$  22' building separated from the main building by a 22'  $\times$  66' shed. The front part of the second story was used for drafting when Boeing began its operation in the building in 1916 and 1917. The original lot was 15,600 square feet in area.



PERIOD (Check One or	More as	Appropriate)					
Pre-Columbian		16th Centu	гу 🗌	18th Centur	Y 🗆	20th Century	X
15th Century		17th Centu	ry 🗌	19th Centur	ry 🗆		
SPECIFIC DATE(S) (If A	Applicab	le and Known)	1909	to present			
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Prehistoric		Engineering	X	Religion/Phi-		Other (Specify)	
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STATEMENT OF SIGNIFI	CANCE	(Include Persona	ges, Da	tes, Events, Etc.)		NATIONA REGISTE	- N

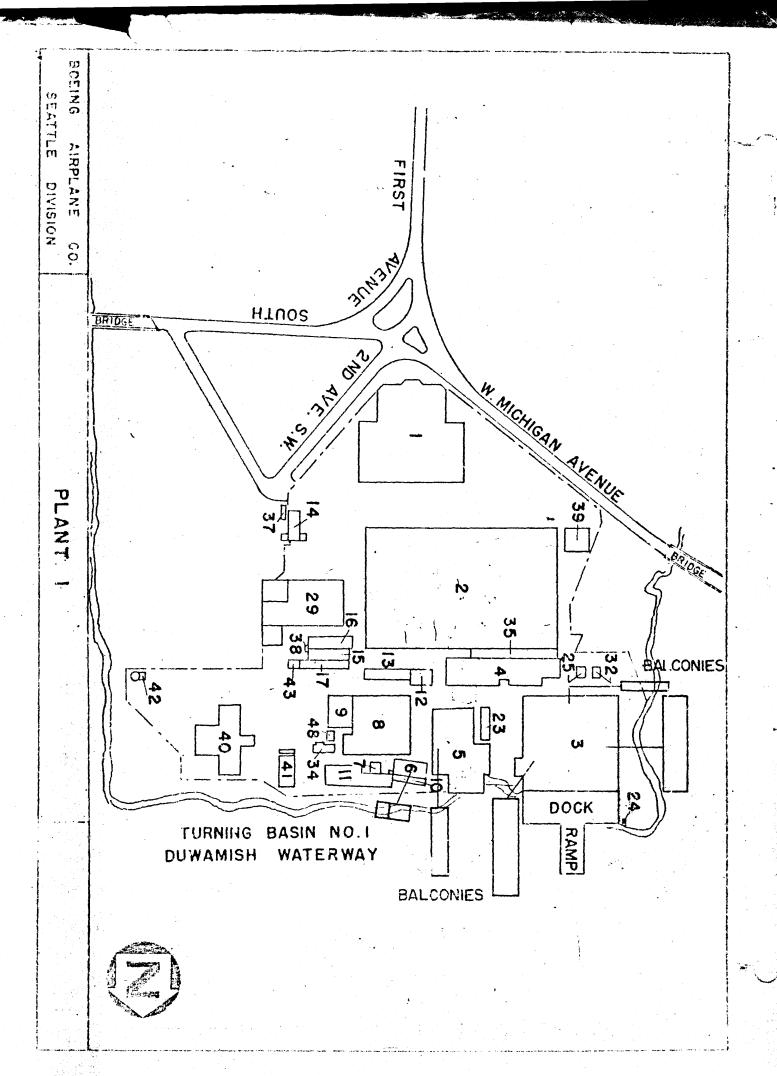
The Boeing Airplane Company building was originally constructed as a shippard by E. W. Heath in 1909. It was sold to W. E. Boeing in 1910, complete with other buildings, wharf, and much equipment, for a total of \$10! The buildings were all built on pilings at the edge of the Duwamish River, according to the inventory of 1913.

According to one history Mr. Boeing bought the shippard in order to finish building a yacht. What else the building was used for in intervening years is unknown. As far as can be gathered, parts of the first B and W planes were fabricated in the shippard in 1916. The company really began airplane production in 1917 with a contract to build 50 training planes for the Navy. The name of the company became Boeing Airplane Company at that time. B and W stands for Boeing and Westervelt. The 50 Navy training planes were built completely in Building #105. The building was used for drafting and offices for some years, and has seen many uses since. Currently it is used as facilities maintenance shops and warehouse.

William E. Boeing, heir to much Minnesota timber and ore, had come west as a bachelor and dabbled in a number of enterprises. He early became interested in flying, as early as 1910, and by 1916 had built his own plane. His enthusiasm and vision brought about the founding of the Boeing Airplane Company. He remained active in the company until the mid 1930's when a national law prohibited airmail contractors from being associated with any aviation manufacturing companies, and forced the breaking up of United Aircraft and Transport Corporation. Mr. Boeing sold his stock and left the airplane business. However, he and his son remained active in Seattle and Northwest businesses, and his son continues in related industries. Mr. Boeing died in 1956

This first building used for contract business of the Boeing Company, is of importance as the home of a great nationally-known, and internationally known airplane manufacturer. The B-1 which carried the first international airmail was built there. Not really built in that spot, but calling the building "home" were such famous transports as the 40A, the 80A, the 247, the 314 clipper, and the 307. Later famous planes built by the Boeing Company were and are the B17, B29, B50, B47, B52, C97, KC135, 707, 721, 727, and 747, 737.

9.	MAJOR	BIBL	IOGR.	APHIC	ALRE	FER	ENCES									
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Form (July	10-301 1969)
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2. 1	STREE
	CITY
	STATE

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UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

### NATIONAL REGISTER OF HISTORIC PLACES

PROPERTY MAP FORM

(Type all entries - attach to or enclose with map)

STATE	
Washington	
COUNTY	
King	
FOR NPS USE OF	NLY
ENTRY NUMBER	PATE,
11853.0011	8126M1
	1-7/-/

COMMON:	Buil	lding #1	105						
AND/OR HIS	TORIC:	Boeing	Airplane	Company,	formerly	E.W.	Heath	Shipyard,	1909
				000000000000000000000000000000000000000					920000000000000000000000000000000000000

STREET AND NUMBER:

SIREE! AND NOM BER:

200 S.W. Michigan Street

Seattle

Seattle

SOURCE:

4. REQUIREMENTS

Washington

3. MAP REFERENCE

code county:

King

**©**33

Standard Oil Company of California

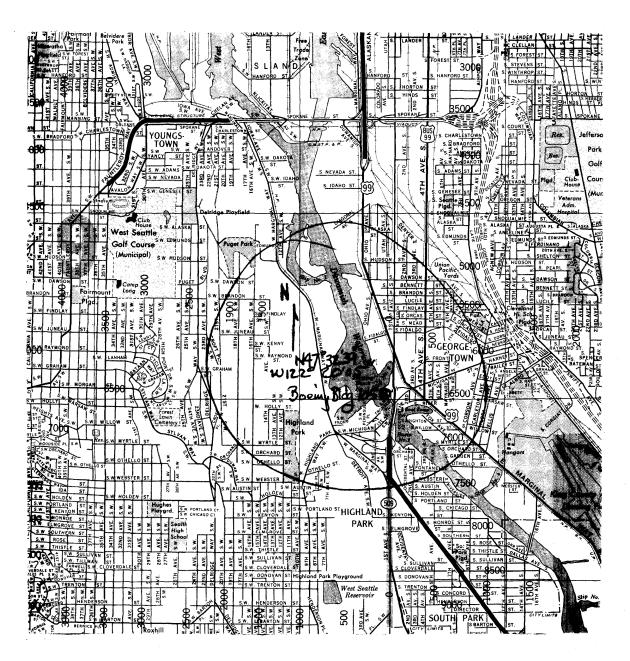
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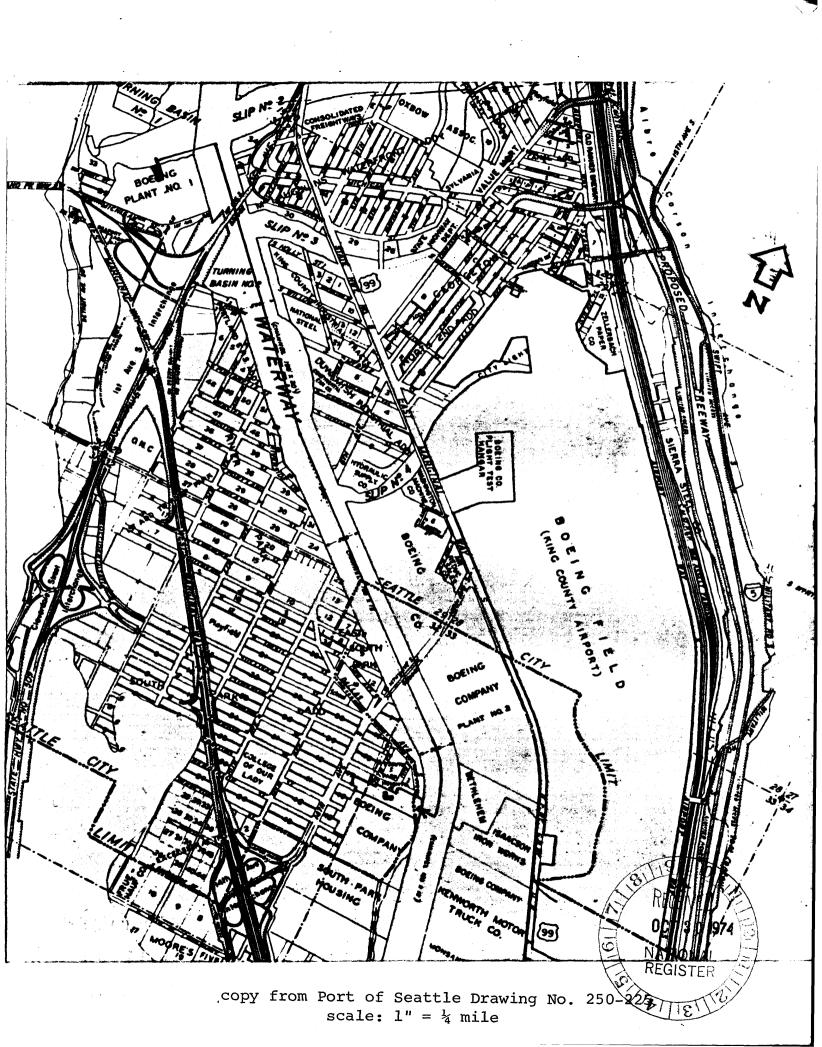
TO BE INCLUDED ON ALL MAPS

- 1. Property broundaries where required.
- 2. North arrow.
- 3. Latitude and longitude reference.

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Form No. 10-301 Rev. 7-72

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UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

## NATIONAL REGISTER OF HISTORIC PLACES PROPERTY MAP FORM

(Type all entries - attach to or enclose with map)

STATE	
Washington	
COUNTY	
King	
FOR NPS USE ONL	Y
ENTRY NUMBER	DATE

NAME					
COMMON:	Boeing Building 10				
AND/OR HISTORIC:	Formerly Boeing Co	mpany, 1916-71;	formerly E.V	V. Heath Sh	ipyard
OCATION			-		**
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U.S. GOVERNMENT PRINTING OFFICE: 876-170

Form No. 10-300 (Rev. 10-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

# NATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM

PH0093912

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STREET & NUMBER  CITY, TOWN  REPRESEN  TITLE  DATE  DEPOSITORY FOR	Seattle NTATION IN EXIST  National Register of 1971	Historic Places X_federalst.	Washingto	<del>,</del>



#### CONDITION

**CHECK ONE** 

**CHECK ONE** 

\_\_EXCELLENT

XFAIR ...

\_\_DETERIORATED

\_\_UNEXPOSED

\_\_RUINS

\_\_UNALTERED

\_ORIGINAL SITE
X\_MOVED DATE 1975

#### DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Boeing Airplane Company Building is an early industrial structure of balloon frame construction. It was built in 1909 as part of the E. W. Heath Shipyard, a small manufacturing concern. The structures were erected on pilings adjacent to the shore of the Duwamish River with ways from the central structure (the subject of the nomination) leading into the water. After the property was acquired by the Boeing Company, the river channel changed and the buildings came to be located some distance from the water.

The nominated property is a large, two story building with a gable roof of tarred felt. First and second stories are marked by bands of fixed or tilting sash windows of 12 lights each. Exterior cladding is milled siding, painted barn red in replication of what is believed to be the original color; it has long been identified by employees of the Boeing Company as the "red barn." Appended to the basic rectangular plan of 60 feet by 140 feet is a single story wing some 40 feet in length, attached to the former west side of the building. About 1917, the wing was expanded by integrating a formerly separate office structure with the single story wing which gave the primary facade an irregular form, a combination of shed and gable roof forms. The added building forms were of the same materials as the original.

The interior of the building is plain and unadorned, reflecting its origin as a manufacturing structure. The ground floor is a single large, open bay, integrated with the single story wing. Heavy squared wooden posts rise from the floor to support the second floor beams; joists of the second floor are open and form the ceiling of the ground floor. Access to the second floor is by an internal staircase leading up from a door in the primary facade; a second stairway leads from the rear of the top floor to the ground floor. The second floor is divided into two large rooms, apparently the result of modifications made for drafting purposes in 1916 - 1917. The ceiling is open and the heavy trusses are visible.

Over the years, a substantial manufacturing complex developed around the old Heath Shipyard building. It was superseded by other facilities some miles away and the former Boeing property became part of the Port of Seattle. In 1975, the original Boeing building was relocated to avoid destruction when the Port began a major redevelopment of the site. The building was moved to its present location, some 50 yards from the site of its permanent foundation as an element in a planned major air museum complex. The gable roofed office was removed from the building during the move but it has been retained and is on the site with the main building; restoration efforts are anticipated to begin in 1977.

The site of the relocation is at the south end of the King County Airport, near the southern extremity of Seattle. This area is close to the existing Boeing facility and is also near the Duwamish River. The building will be appropriate to the surroundings: an airport to the north and industrial buildings of various kinds in the near vicinity. The scale of the relocation site is the same as the original site before it was reworked by the Port of Seattle. The appearance of the relocation site does not coincide with the appearance of the original site in 1917 (the target date of restoration), but then the original site itself had changed so much that there was no similarity between its appearance in 1917 and its appearance in 1975.

PERIOD	AREAS OF SIGNIFICANCE CHECK AND JUSTIFY BELOW				
PREHISTORIC	ARCHEOLOGY-PREHISTORIC	COMMUNITY PLANNING	LANDSCAPE ARCHITECTURE	RELIGION	
1400-1499	ARCHEOLOGY-HISTORIC	CONSERVATION	LAW	SCIENCE	
1500-1599	AGRICULTURE	ECONOMICS	LITERATURE	SCULPTURE	
1600-1699	ARCHITECTURE	EDUCATION	MILITARY	SOCIAL/HUMANITARIAN	
1700-1799	ART	_Xengineering	MUSIC	THEATER	
1800-1899	COMMERCE	EXPLORATION/SETTLEMENT	PHILOSOPHY	XTRANSPORTATION	
_X1900-	COMMUNICATIONS	_Xindustry invention	POLITICS/GOVERNMENT	OTHER (SPECIFY)	

BUILDER/ARCHITECT

E. W. Heath

STATEMENT OF SIGNIFICANCE

1909: 1975

SPECIFIC DATES

The Boeing Airplane Company building, known locally as the "red barn," represents the earliest beginnings of an internationally important aircraft manufacturer. It is the historic seat of the firm's beginnings.

W. E. Boeing purchased the property from its original owner, E. W. Heath, in 1910; his intent, so the story goes, was to finish building a yacht. Boeing's involvement in aircraft production did not begin until 1916 when, under the name of the Pacific Aero Products Company, he began the construction of the Boeing and Westervelt aircraft. The use of the building in the intervening years is not known. Boeing secured a contract for the production of 50 Navy training aircraft in 1917 and changed the name of the firm to the Boeing Airplane Company. The building was used for some fabrication as well as drafting and office space; it served in a variety of capacities over the years.

William E. Boeing, heir to much Minnesota timber and ore, had come west as a bachelor and dabbled in a number of enterprises. He early became interested in flying, as early as 1910, and by 1916 had built his own plane. His enthusiasm and vision brought about the founding of the Boeing Airplane Company. He remained active in the company until the mid 1930's when a federal law prohibited airmail contractors from being associated with any aircraft manufacturing firms, and forced the dissolution of the United Aircraft and Transport Corporation. Boeing sold his stock and left the airplane business although he and his son remained active in Pacific northwest business. The elder Boeing died in 1956.

Significant aircraft produced by the firm include the B&W, the first produced by the firm, and the B-I which carried the first international airmail. Also built on the former site of the nominated structure was the B-247; an all-metal, multi-engine airplane with variable pitch propellers, it introduced a new era in fast, luxurious passenger travel. The first B-247 flew in 1933 and remained in use long after World War II. Military aircraft included all-metal pursuit planes in the 1930's as well as such famous World War II bombers as the B-17 and B-29.

### 9 MAJOR BIBLIOGRAPHICAL REFERENCES

Original National Register nomination form.

Miscellaneous materials supplied by the Pacific Northwest Aviation Historical Foundation, proponents of the Red Barn Air Park.

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UTM REFERENCES	OPERTY <u>less than one</u>			
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ORGANIZATION		- 44 - 14	DATE 07/18/77	
STREET & NUMBER	ogy and Historic Pres	ervation	07/18/77 TELEPHONE	
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Form No. 10-300a (Rev. 10-74)

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

## NATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM

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DATE ENTERED

**CONTINUATION SHEET** 

ITEM NUMBER -7

PAGE 2

It is felt that the site selected for the relocation is appropriate and does not adversely effect either the historic resource or the surroundings of the area. There are no other historic features which would be effected by the introduction of the Boeing building at the site selected.

Form No. 10-300a (Rev. 10-74)

UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

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The Boeing Airplane Company Building was located originally at 200 S.W. Michigan Street. Constructed as a boathouse and used for the building of William E. Boeing's yacht, Boeing took over the complex in 1910 to assure the completion of his vessel. The complex continued to function as a shipyard but was adapted for the manufacture of aircraft in 1915 with the closure of the open northern end and the removal of ways. A second story was added to the building at about the same time. The building housed the manufacturing, engineering, and clerical support for the fledgling company but never became an airplane factory in the sense that completed machines were moved out of the building and flown away; the planes were trucked to another Boeing facility elsewhere for final assembly.

Boeing acquired other property more suitably located for the manufacture of aircraft and developed an expanded plant at the new location. The original plant was retained and used for a variety of engineering and support services until The Boeing Company sold the property in 1970 to the Port of Seattle for redevelopment. Early in 1971, former Boeing employees and representatives of the Pacific Northwest Aviation Historical Foundation met with members of the Port of Seattle to discuss possible methods of saving the building, preferably as a museum oriented structure. Several possible sites were considered and one selected in 1974 on Trenton Street By this time it was clear that the building could not remain on its original site; the Port had begun a major landfill operation to prepare the area for use as a large container cargo handling facility and as a result of the fill, the area around the building was three to four feet higher than the original grade. Filling could have continued, leaving the building below the new ground level, but it would have been isolated in the midst of new industrial activity not compatible with the longevity of the building. The reworked site was completely altered from its historic appearance and there would have been little opportunity for any type of adaptive use.

The Port prepared to barge the structure to the Trenton Street location but at about the same time a new location became available which had several advantages the first relocation site did not. This site, the present temporary site of the Boeing Airplane Company Building, was located on an operating airfield and had a relationship with present day Boeing Company activities. It also afforded an opportunity to work with King County in the development of an air museum facility on an expanded scale. The relocation was thus made to the Purcell Avenue location in 1975.

At the time this nomination is being made, the Boeing Airplane Company Building is on a temporary timber foundation pending relocation to its permanent site some 50 yards distant. The State Historic Preservation Officer and the state review board have recommended the placement of the structure in the National Register at its temporary location because of the impetus National Register identification will give the rehabilitation efforts planned for the historic structure. The location

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PAGE 4

of the final site is accurately known and described elsewhere in the nomination; it is not believed that the slight final move projected will in any way compromise the qualities represented by the building.