

AA-793
MECHANICAL SHOP AND LOFT
U.S. COAST GUARD YARD
CURTIS BAY
Public (Restricted)

1939

No. 58, Mechanical Shop and Mold Loft, was erected in 1939 at the U.S. Coast Guard Yard at Curtis Bay. It is a two-story, flat roofed concrete and steel structure, veneered with brick, and is one of a group of five such structures constructed during the period 1934-1942.

These were more permanent structures than the earlier metal industrial building group located on the waterfront, and had more flexible interior layouts. These features led to the conversion of most of the group to multiple uses as Yard production methods changed and need was felt for expanded administrative functions.

Building No. 58 shares with this group of industrial structures similarities in design to those of international industrial building styles of the turn of the century as embodied in the designs by German architect Peter Behrens (1868-1940), particularly his Turbine Factory (1909) and other factory buildings in Berlin. More specifically, the buildings resemble early designs for the budding American automobile industry by American architect Alfred Kahn (1869-1942), in particular his 1913 Ford Motor Works buildings which introduced modern worker and production-oriented features, such as cement slab floors and high proportions of facades dedicated to industrial windows set into steel sash. This group of brick veneered Yard buildings, most of which have castellated end block facades, resemble early Kahn designs which incorporated features of traditional building styles. The spirit of designs by Kahn and Behrens were disseminated throughout the world by the German Bauhaus movement of the 1920's.

INVENTORY FORM FOR STATE HISTORIC SITES SURVEY

1 NAME

HISTORIC

AND/OR COMMON

Building No. 58, Mechanical Shop Mold Loft

2 LOCATION

STREET & NUMBER

U.S. Coast Guard Yard

CITY, TOWN

Curtis Bay

___ VICINITY OF

CONGRESSIONAL DISTRICT

STATE

Maryland

21226

COUNTY

Anne Arundel

3 CLASSIFICATION

| CATEGORY | OWNERSHIP | STATUS | PRESENT USE | |
|--|--|---|--|--|
| <input checked="" type="checkbox"/> DISTRICT | <input checked="" type="checkbox"/> PUBLIC | <input checked="" type="checkbox"/> OCCUPIED | <input type="checkbox"/> AGRICULTURE | <input type="checkbox"/> MUSEUM |
| <input type="checkbox"/> BUILDING(S) | <input type="checkbox"/> PRIVATE | <input type="checkbox"/> UNOCCUPIED | <input type="checkbox"/> COMMERCIAL | <input type="checkbox"/> PARK |
| <input type="checkbox"/> STRUCTURE | <input type="checkbox"/> BOTH | <input type="checkbox"/> WORK IN PROGRESS | <input type="checkbox"/> EDUCATIONAL | <input type="checkbox"/> PRIVATE RESIDENCE |
| <input type="checkbox"/> SITE | PUBLIC ACQUISITION | ACCESSIBLE | <input type="checkbox"/> ENTERTAINMENT | <input type="checkbox"/> RELIGIOUS |
| <input type="checkbox"/> OBJECT | <input type="checkbox"/> IN PROCESS | <input checked="" type="checkbox"/> YES: RESTRICTED | <input type="checkbox"/> GOVERNMENT | <input type="checkbox"/> SCIENTIFIC |
| | <input type="checkbox"/> BEING CONSIDERED | <input type="checkbox"/> YES: UNRESTRICTED | <input type="checkbox"/> INDUSTRIAL | <input type="checkbox"/> TRANSPORTATION |
| | | <input type="checkbox"/> NO | <input checked="" type="checkbox"/> MILITARY | <input type="checkbox"/> OTHER |

4 OWNER OF PROPERTY

NAME

U.S. Coast Guard

Telephone #: 789-1600

STREET & NUMBER

CITY, TOWN

Curtis Bay

___ VICINITY OF

Maryland 21226, zip code

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE,
REGISTRY OF DEEDS, ETC.

Anne Arundel County Courthouse

Liber #: GW 47

Folio #: 224

STREET & NUMBER

CITY, TOWN

Annapolis, Maryland

STATE

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

DATE

___ FEDERAL ___ STATE ___ COUNTY ___ LOCAL

DEPOSITORY FOR
SURVEY RECORDS

CITY, TOWN

STATE

7 DESCRIPTION

AA-293

| | | | |
|--|---------------------------------------|---|---|
| CONDITION | | CHECK ONE | CHECK ONE |
| <input type="checkbox"/> EXCELLENT | <input type="checkbox"/> DETERIORATED | <input type="checkbox"/> UNALTERED | <input checked="" type="checkbox"/> ORIGINAL SITE |
| <input checked="" type="checkbox"/> GOOD | <input type="checkbox"/> RUINS | <input checked="" type="checkbox"/> ALTERED | <input type="checkbox"/> MOVED DATE _____ |
| <input type="checkbox"/> FAIR | <input type="checkbox"/> UNEXPOSED | | |

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

Historic industrial buildings on the Yard are of two types: 1) steel frame structures clad in corrugated steel sheets built in the early 1930's to house boat building and repair activities; and 2) brick-veneered steel and concrete structures able, because of their advanced concept in industrial plant layout, to house multiple functions (wood-working, welding, and equipment repair activities), as well as separate administrative and support activities areas.

Both structural types replaced wood frame structures along the waterfront, a few of which dated from the opening of the Yard in 1901 but were mostly built in successive waves of Yard construction and modernization between 1906 and 1928.

The first group of metal shop buildings described in the following survey forms are:

| <u>Yard Building No.</u> | <u>Survey No.</u> |
|--------------------------|-------------------|
| 16 | AA-475 |
| 5 | AA-476 |
| 12 | AA-477 |
| 15 | AA-478 |
| 11 | AA-479 |

These buildings continue to function in their original uses. They embody high standards for their day for clean, well-lighted interior work spaces and adequate floor space for movement of machinery, workers, and manufactured products. Floor plans also include storage space for equipment and tools not in use as well as space for employees' belongings, minimal office functions, etc. This kind of design reflected a new awareness among industrial designers of the importance to production of positive worker attitudes which, it was theorized, could be aided through provision of safe and pleasant work surroundings.

The second group of brick veneered steel and concrete structures described in the following survey forms are:

| <u>Yard Building No.</u> | <u>Survey No.</u> |
|--------------------------|-------------------|
| 3 | AA-480 |
| 4 | AA-481 |
| 66 | AA-482 |
| 58 | AA-483 |
| 8 | AA-484 |

These buildings incorporate the worker-oriented design features of the above group, but here are applied to structures of a more permanent nature, and in most cases, of larger scale. These buildings are of a type built in the United States during and following World War II to accommodate the mass production needs of heavy industry, such as the Ford Motor Company plant at Detroit, and ordnance and equipment plants on military and industrial bases throughout the country and its territories.

CONTINUE ON SEPARATE SHEET IF NECESSARY (Description continues)

| PERIOD | | AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW | | | | |
|---|--|--|---|--|--|--|
| <input type="checkbox"/> PREHISTORIC | <input type="checkbox"/> ARCHEOLOGY-PREHISTORIC | <input type="checkbox"/> COMMUNITY PLANNING | <input type="checkbox"/> LANDSCAPE ARCHITECTURE | <input type="checkbox"/> RELIGION | | |
| <input type="checkbox"/> 1400-1499 | <input type="checkbox"/> ARCHEOLOGY-HISTORIC | <input type="checkbox"/> CONSERVATION | <input type="checkbox"/> LAW | <input type="checkbox"/> SCIENCE | | |
| <input type="checkbox"/> 1500-1599 | <input type="checkbox"/> AGRICULTURE | <input type="checkbox"/> ECONOMICS | <input type="checkbox"/> LITERATURE | <input type="checkbox"/> SCULPTURE | | |
| <input type="checkbox"/> 1600-1699 | <input checked="" type="checkbox"/> ARCHITECTURE | <input type="checkbox"/> EDUCATION | <input type="checkbox"/> MILITARY | <input type="checkbox"/> SOCIAL/HUMANITARIAN | | |
| <input type="checkbox"/> 1700-1799 | <input type="checkbox"/> ART | <input type="checkbox"/> ENGINEERING | <input type="checkbox"/> MUSIC | <input type="checkbox"/> THEATER | | |
| <input type="checkbox"/> 1800-1899 | <input type="checkbox"/> COMMERCE | <input type="checkbox"/> EXPLORATION/SETTLEMENT | <input type="checkbox"/> PHILOSOPHY | <input type="checkbox"/> TRANSPORTATION | | |
| <input checked="" type="checkbox"/> 1900- | <input type="checkbox"/> COMMUNICATIONS | <input type="checkbox"/> INDUSTRY | <input type="checkbox"/> POLITICS/GOVERNMENT | <input type="checkbox"/> OTHER (SPECIFY) | | |
| | | <input type="checkbox"/> INVENTION | | | | |

SPECIFIC DATES 1939 BUILDER/ARCHITECT unknown

STATEMENT OF SIGNIFICANCE

Building No. 58, the Mechanical Shop and Mold Loft, is one of a group of five brick-veneered, steel and concrete industrial structures in the Yard built between 1934-1942. This group of steel, concrete and brick structures reflects the influence of international industrial building styles first produced on a large scale by American industrial designer Alfred Kahn (1869-1942), especially his 1913 designs for the Ford Motor Company Works. The castellated north facade of No. 58 is reminiscent of Kahn's early 20th century industrial designs which retained elements of classical building styles. The high percentage of wall space dedicated to windows and the long rear section of the building consisting of large windows set into industrial steel sash are features characteristic of the worker and production oriented spirit of early 20th century industrial building. These concepts were intensely developed and improved upon, receiving international attention with the German Bauhaus movement of the 1920's.

9 MAJOR BIBLIOGRAPHICAL REFERENCES

See attached continuation sheet
CONTINUE ON SEPARATE SHEET IF NECESSARY

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY _____

VERBAL BOUNDARY DESCRIPTION

See attached continuation sheet

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE COUNTY

STATE COUNTY

11 FORM PREPARED BY

NAME / TITLE
Susanne Moore, Historic Sites Surveyor

ORGANIZATION
Maryland Historical Trust

DATE
August 1981

STREET & NUMBER
21 State Circle/Shaw House

TELEPHONE
269-2438

CITY OR TOWN
Annapolis, Maryland 21401

STATE

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature, to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 Supplement.

The Survey and Inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

RETURN TO: Maryland Historical Trust
The Shaw House, 21 State Circle
Annapolis, Maryland 21401
(301) 267-1438

No. 7 DESCRIPTION (continued)

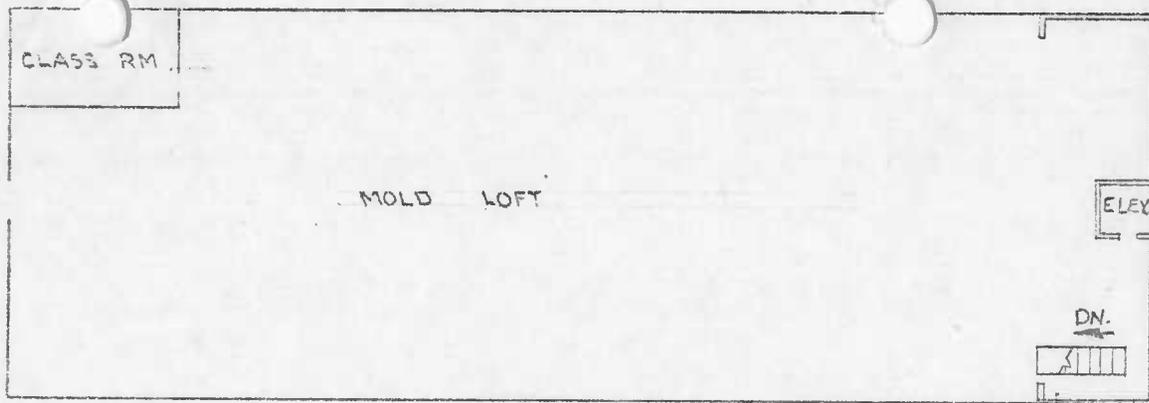
Building No. 58, the Mechanical Shop Mold Loft, consists of three-story tall north and south sections connected by a long, multi-windowed central block. The building, which was built in 1939, measures 60 x 120 feet. The structure is of steel and concrete construction with brick veneer executed in common bond. The roof is flat.

The north facade is three bays wide, with windows in the center bay bricked in on all three floors. The two outer bays each contain one window at all three floors. At first floor level, windows are 30-light (5 across, 6 down); at second floor, 24-light (6 across, 4 down); and at third floor 42-light (6 across, 7 down). All are fitted with industrial type reinforced frosted glass, and rest on cement sills.

The south facade of No. 58 is dominated at ground level by two large corrugated metal roll-up doors. At second floor, the center bay contains double doors surmounted by a heavy steel loading arm. In two flanking bays are two tiers of double 24-light (6 across, 4 down) industrial windows.

The east and west facades are nearly identical, with three tiers of large industrial windows encased in the steel frame of the structure and resting on the brick-veneered foundation. The sides are 8 bays long, with triple 36-light windows in each, forming a panel of lights 18 across and 6 down. A corrugated steel roll-up door occupies the fifth bay from the northeast corner on the east facade from ground to third floor level. East and west facades of the north and south brick-veneered end blocks contain one window at each floor: 20 light (4 across, 5 down) at first, 28 light (4 across, 7 down) at second and third floors.

No. 58 is joined to No. 8 on the west by a modern steel frame roof above first floor level. The covered space beneath is used for storage. The first floor of No. 58 is used for shop, tool room, and office functions. A mezzanine level contains lockers, restrooms, and tool repair rooms, and the second floor is used for mold storage.

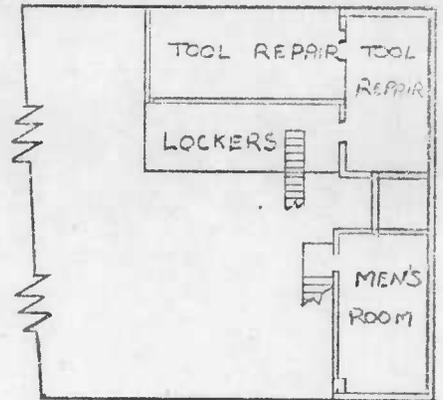


SECOND FLOOR PLAN

| | | |
|---------------|--------|---------|
| x INDUSTRIAL | 17,920 | SQ. FT. |
| TOILET/LOCKER | 890 | |
| TOOL ROOM | 1,050 | |
| OFFICE | 1,552 | |
| CLASS ROOM | 390 | |
| TOTAL | 21,802 | |



FIRST FLOOR PLAN

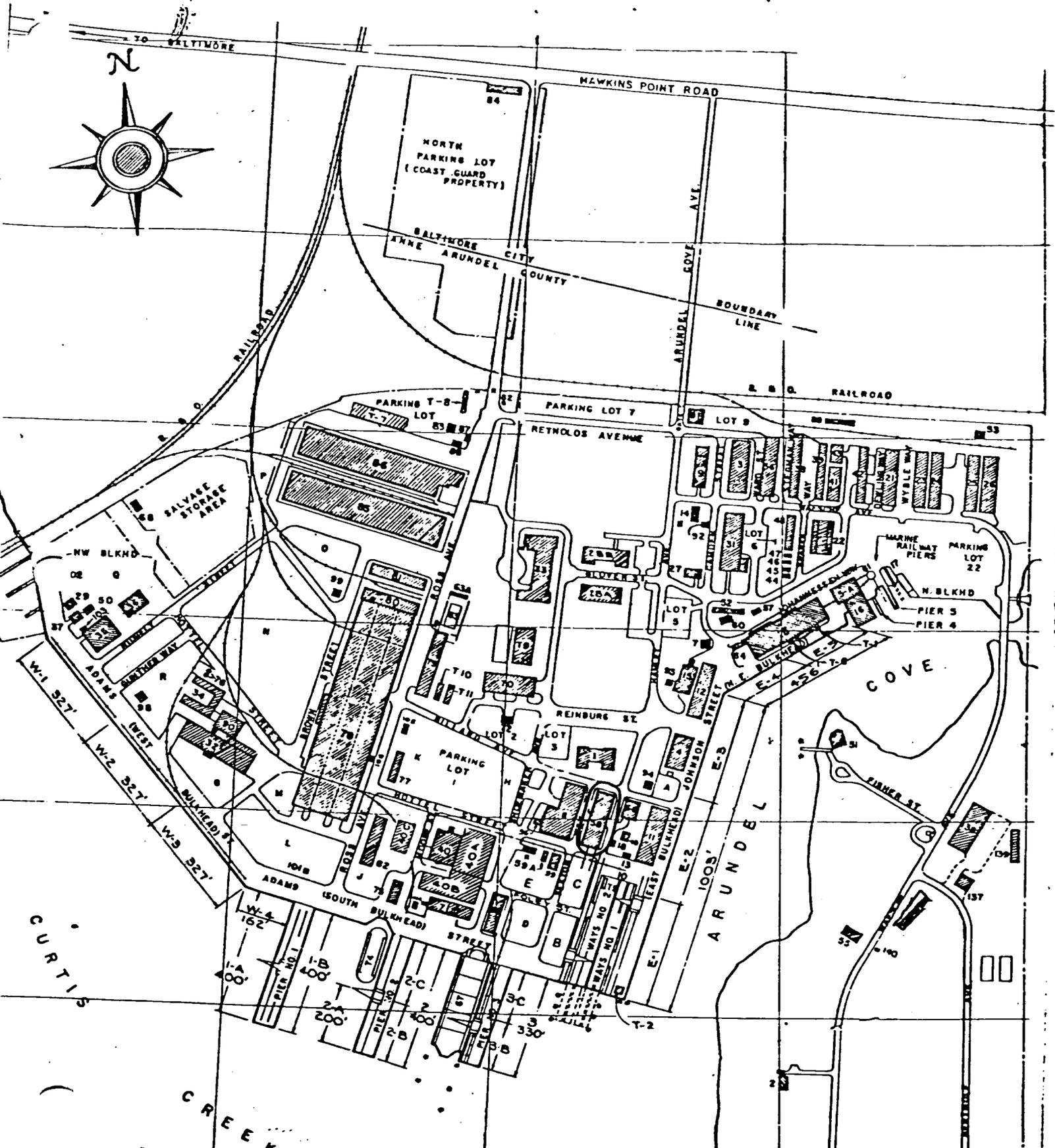
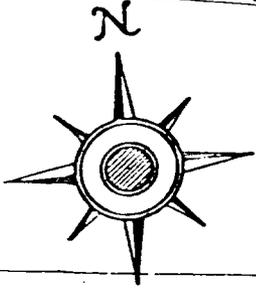


MEZZANINE FLOOR PLAN

U.S. Coast Guard Yard AA-793
 Curtis Bay - Bldg No. 58
 First and Second Floor Plan
 From original on file in
 Yard Office of Graphic/Repro

BUILDING NO. 58
 MARINE MACHINIST SHOP
 APRIL 1974 SCALE: 1"=30'
 DRAWN TR. SHEET 1 OF 1

YARD MAP



U.S. Coast Guard Yard Curtis Bay
Current Map of the Yard Bldg No. 58
AA-793



NO
PALLETS
TIRES

SCOTT
PULP

AA-793

METAL SHOP

ANNE ARUNDEL, MD

SHERRI MARSH

APRIL 1996

MARYLAND SHPO

SOUTHEAST PERSPECTIVE

~~46 OF 75~~

1 of 2



AA - 793

METAL SHOP

ANNE ARUNDEL, MD

SHERRI MARSH

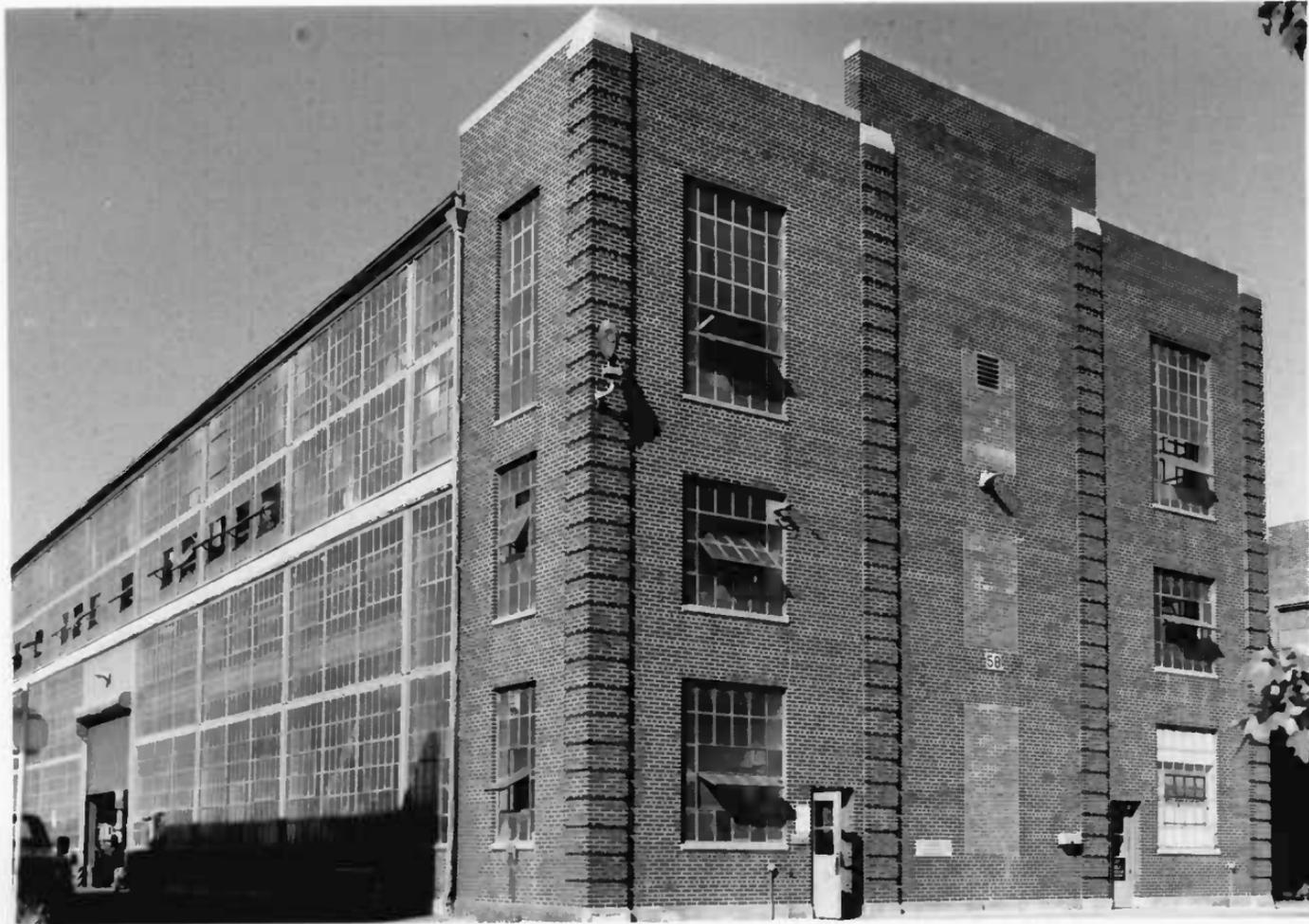
APRIL 1996

MARYLAND SHPO

NORTHEAST PERSPECTIVE

~~47 OF 75~~

2 of 2



U.S. Coast Guard Yard

AA-793

Curtis Bay - Building No. 58

Anne Arundel County, Md

Susanne Moore

July 1981

Maryland Historical Trust, Annapolis, Md

Northeast corner

1/2



U.S. Coast Guard Yard AA-793

Curtis Bay - Building NO. 58

Anne Arundel County, Md

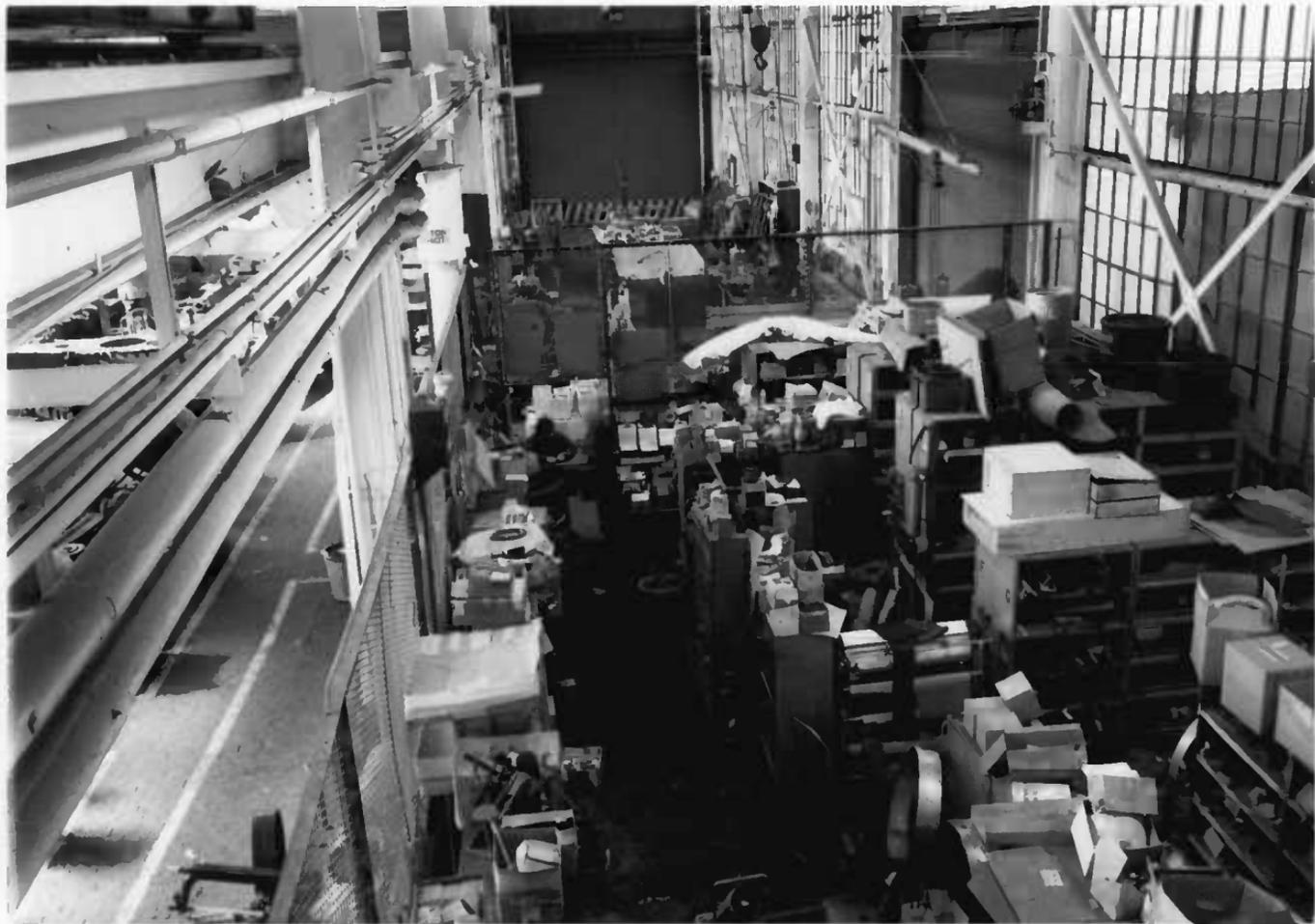
Susanne Moore

July 1981

Maryland Historical Trust, Annapolis, Md

Southwest corner

2/2



Int #58 South wall 1980

U.S. Coast Guard Yard AA-1 793
Curtis Bay - Building No. 58
Interior along south wall (on right)
c. 1980
From photographic archives of the Yard