

NAVAL BASE CHARLESTON, STOREHOUSE  
(Naval Base Charleston, Building 1138)  
West side of Avenue D. between Hipp and Second Street  
Naval Base Charleston  
Charleston County  
South Carolina

HABS No. SC-691-A

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10-CHAR,  
476A-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record  
National Park Service  
Southeast Region  
Department of the Interior  
Atlanta, Georgia 30303

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HISTORIC AMERICAN BUILDINGS SURVEY

NAVAL BASE CHARLESTON, STOREHOUSE

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Location: West Side of Avenue D., between Hipp and Second Streets, Naval Base Charleston, Charleston County, South Carolina.

Significance: This building was part of the United States Navy shore establishment expansion programs implemented prior to and during World War II. World War II expansion of Naval Base Charleston is a significant period in the industrial history of the installation. The architectural style is representative of the pre-World War II industrial design and construction techniques. This building contributes to the Naval Shipyard Historic District.

Description: Building 1138 is a one-story facility, facing northeast across D. Avenue. It is rectangular in plan and measures 336' x 362' wide x 23' high. East and West sides have 14 bays; 12 similar sized (from three original buildings) and two larger bays (from infill structure). North and south sides have 21 similar sized bays (on two of the original buildings). The three original sections are constructed of reinforced concrete frame, wood pile supported, with concrete slab on grade floor. The roof of each section is supported by built-up wood bowstring trusses 16' on center, spanning 83'. The roof deck is composed of wood boards supported on 2 x 10 joists at 24" o/c., spanning from truss to truss. Exterior walls are concrete block infill panels, with stepped parapets on end walls, supported on grade beams spanning between pile caps. Six small (6' x 7') concrete block structures are attached to north and south sides, three per side.

The two infill sections (from 1962) are constructed of steel frame bearing on original buildings pile caps, with concrete slab on grade floor. The roof of each section is supported by double pitched, low slope steel trusses 16' on center, spanning 54'. Plywood roof deck is supported on 2 x 8 joists at 16" o/c., spanning from truss to truss. Exterior walls are corrugated metal siding supported by steel column and girt framing, linking the three original buildings.

Except at the various office and toilet areas, ceilings are exposed structure. Roofing is built-up, with regularly spaced metal gravity roof vents. Original building ends on the east side have two metal horizontal rolling doors and several metal personnel doors. On the west side two overhead metal coiling and several additional personnel doors are installed. Windows on all four sides, (5' - 1" wide x 6'-9" high) are 15 lite, with 6 lite steel commercial projected operating sash, installed singly or in pairs. Scuppers with prominent leader heads, and downspouts to grade are installed, four each side, on north and south elevations. A corrugated metal enclosed, steel truss framed, conveyor bridge is attached to the west end of the center building, spanning over the drive 108' to Building 198.

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History: Building 1138 construction was begun in 1941 for warehouse use as part of the naval shore establishment expansion programs. The building was originally three separate buildings (Nos. 1138, 1139, 1140) that were separated by 55' yards. The construction drawings were prepared by the Navy Yard, Charleston, Public Works Department. In 1962, the three buildings were consolidated into one by enclosing the two yard areas between buildings with one story steel frame, corrugated cement sided, infill sections. Construction drawings were prepared by Lyle, Bisset, Carlisle & Wolff, Architects-Engineers of Columbia, South Carolina. This project was entitled, "Bin Storage Facility." In 1963, the conveyor bridge from Building 198 was constructed from a design prepared by J.E. Serrine Company, Engineers-Architects, Greenville, South Carolina as part of a project entitled "Supply, Receiving, Shipping & Administration Building." As ship repair and construction at the shipyard gradually increased during the late 1930's, support and storage facilities on acreage that originally was part of the marine reservation west of Avenue D. It also required 111 acres south of McMillan Avenue and 85 acres north of Noisette Creek to construct additional storage facilities. The new storage facilities were under the control of the Supply Department. In 1946, the supply department at the shipyard took over the disposition of all surplus property in the Sixth Naval District. In 1963, a naval supply center was established at the shipyard. The Supply Center was the navy's third largest supply center in 1985.

Sources: HABS/HAER Inventory. R. Christopher Goodwin & Associates, Inc. (April 1993).

Original architectural drawings - Project - "Storehouse Building 1138 Relocation"  
(August 1940).

Project - "Building 1139 - Alterations to North Wall for Installation of Steel Sash" (April 1957).

Project - "Bin Storage Facility" (April 1962).

Project - "Supply, Receiving, Shipping & Administration Building (First Increment)"  
(November 1962).

Project - "Building 1138 Replace Roofs" (July 1988).

Project drawings are located in the Charleston Naval Shipyard files, at: Base Closure Office (N4), 1690 Turnball Avenue, Suite A, Charleston, South Carolina 29408-1955.

Prepared by: Thomas Morgan - Architect

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Date: November 1996