

MOORE HAVEN LOCK, FIRE PUMP HOUSE  
(Building No. 104)  
(Building No. SF 81)  
Cross-State Canal, Okeechobee Intracoastal Waterway  
Moore Haven vicinity  
Glades County  
Florida

HAER FL-18-G  
FL-18-G

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PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD  
SOUTHEAST REGIONAL OFFICE  
National Park Service  
U.S. Department of the Interior  
100 Alabama St. NW  
Atlanta, GA 30303

HISTORIC AMERICAN ENGINEERING RECORD

MOORE HAVEN LOCK, FIRE PUMP HOUSE  
(Moore Haven Lock, Building No. 104)

HAER NO. FL-18-G

Location: The fire pump house is set on the west bank of the maintenance depot slip.

Present Owner: U.S. Army Corps of Engineers

Present Use: The fire pump house houses the water pumps for the fire hoses as well as the sprinkler system.

Significance: This utilitarian building with slight Art Moderne influences was designed to house water pumps for the fire hoses and lawn sprinkler system. It is significant for its role in the operation of the lock facility.

Report

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Date: December 2001

PART I. HISTORICAL INFORMATION

A. Physical History:

1. Date of Construction: 1948
2. Architect/Engineer: U.S. Engineer Office, Jacksonville, Florida
3. Original and subsequent owners: State of Florida, U.S. Corps of Engineers
4. Original Builder: Unknown
5. Alterations and Additions: None

B. Historical Context

This building was constructed in 1948 and houses the water pump for the fire hoses and lawn sprinkler system at the reservation. It is strictly a utilitarian building with no secondary function. It was originally known as Building No. 104, but is now referred to as Building No. SF 81.

PART II. DESCRIPTION

A. General Statement

The fire pump house is constructed of concrete block with a flat concrete roof. It is utilitarian in form and style with only slight Art Moderne features. Art Moderne emphasizes futuristic concepts rather than invoking architectural antecedents. The streamline design reflects the modernity found in the pre- and post-World War II era when industrial innovations were closely intertwined with aesthetic characteristics such as flat roofs, smooth exterior surfaces, non-traditional glazing, horizontal bands of stripes and grooves, cantilevered overhangs, and rounded corners.

The primary function of the fire pump house is to supply water to the fire hoses located along the lock chamber's entrances and to

supply water for vegetation through the underground sprinkler system.

B. Physical Description

1. Exterior:

The Fire Pump House measures 23'-4" x 9'-4" x 8'-7" and is constructed on a poured reinforced concrete foundation that is elevated 4" above the ground's surface. The structure is made entirely of concrete block that has been painted. The structure has a flat, concrete roof with a 4" overhang. There is one turbine vent centered on top of the roof. On the south elevation, there is one steel door that measures 7'-0" x 3'-0". On the north, is one louvered vent. There is one six-light, pivot window located on the east elevation facing the maintenance depot slip. The window measures 2'-6" in height-by-5'-0" in width. The pivot window combined with the flat concrete roof are elements of the Art Moderne style. On the interior, one main pipe leads from the water into the structure on the east side where it is attached to the gas-engine powered 4" centrifugal pump taking in the water from the lock's pool. Another pipe leads from the north side and goes underground where through a network of additional pipes connects to the water sprinkler system and the fire hoses housed along the lock chamber. The irrigation/fire pump consists of a 15 h.p. electric motor and L.P. gas engine powered centrifugal pump. The 15 h.p. is wound rotor, induction type, 220-volt, 3-phase, 60-cycle, 1715 r.p.m. and is controlled by a non-reversing drum-type starting controller. Electricity is supplied underground and the structure has simple lighting and outlets.

C. General Siting

The fire pump house is situated to the west bank of the maintenance depot slip. It is surrounded by grass with no sidewalks or landscaping.

PART III. ENGINEERING DRAWINGS

The engineering drawings are located at the U.S. Corps of Engineers Office, South Florida Office, Clewiston District. They have been electronically scanned producing high-resolution

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images. The full collection of scanned images for Ortona Lock and Dam will be donated to the Florida State Archives, Tallahassee, Florida.