

PRATT & WHITNEY PLANT
Mold, Heating & Cooling
(Pratt & Whitney Plant, Building No. 90)
1500-2000 East Bannister Road
Kansas City
Jackson County
Missouri

HAER No. MO-118-AI

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
Midwest Regional Office
National Park Service
601 Riverfront Drive
Omaha, Nebraska 68102

HISTORIC AMERICAN ENGINEERING RECORD

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- Location: 1500–2000 East Bannister Road, Kansas City, Jackson County, Missouri
- Present Owner: U. S. Department of Energy’s National Nuclear Security Administration
- Present Use: This building is adjacent to the Main Manufacturing Plant and contains the hydrotherm (oil) system used for mold heating and cooling.
- Significance: Constructed by the Allied Corporation, the Mold, Heating and Cooling Building was initially used as a heat exchange for mold oil. The molding process sent oil through the pipes leading from the building. Due to the diversified requirements of subsequent corporations, the original Pratt & Whitney Plant was modified and added to, meeting the needs of ongoing technological advances while retaining the structural elements that make this complex a landmark of American industrial design.
- Report prepared by: Cydney Millstein, principal, architectural historian
Architectural & Historical Research, L.L.C., Kansas City, Missouri
- Mary Ann Warfield, cultural historian, Kansas City, Missouri
- Date: April 9, 2012

PART I. HISTORICAL INFORMATION

A. Physical History

1. Date of Construction: 1984
2. Architect/Engineer: Unknown
3. Builder/Contractor/Supplier: Unknown
4. Original Plans: Unknown
5. Alterations and Additions: No

B. Historical Context

The Mold, Heating & Cooling Building was constructed in 1984 for the Allied Corporation as a heat exchange for mold oil.

PART II. ARCHITECTURAL INFORMATION

A. General Statement

Constructed of reinforced masonry bearing walls with wood and metal deck diaphragm, the Mold Heating and Cooling Building is a one-story, flat roof structure with a large overhead door at the east façade. It occupies 2,400 gross square feet and has a dimension of 40' x 60'.

1. Architectural Character: Modern Industrial
2. Condition of Fabric: Good

B. Description of Exterior

1. Foundation: Concrete
2. Walls: Concrete Block
3. Structural System: Reinforced Masonry Bearing Walls/Wood, Metal Deck Diaphragm
4. Roof: Flat

C. Description of Interior

Due to restricted access, it was not possible to examine the interior.

D. Site

The Mold, Heating & Cooling Building is located at the southeast corner of the Main Manufacturing Building.

PART III. BIBLIOGRAPHY

Primary Sources:

NNSA Archives. Bannister Federal Complex, 1500-2000 East Bannister Road, Kansas City, Missouri.