

OGDEN ARSENAL, BOILER HOUSE
(OGDEN ARSENAL, BUILDING 1624)
(OGDEN ARSENAL, BUILDING 624)
(OGDEN ARSENAL, HEATING FACILITY)
6272 Hickory Avenue
Layton Vicinity
Davis County
Utah

HAER No. UT-84-AK

HAER
UTAH
6-LAY.V,
1 AK-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

**Historic American Engineering Record
National Park Service
Department of the Interior
Denver, Colorado 80225-0287**

HISTORIC AMERICAN ENGINEERING RECORD

OGDEN ARSENAL, BOILER HOUSE
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Location: 6272 Hickory Avenue, East Fuze Plant, Hill Air Force Base, Layton Vicinity,
Davis County, Utah

UTM: 12-414830-4555150

Date of Construction: 1941

Architect: Unknown

Builder: Unknown

Present Owner: Hill Air Force Base

Present Use: Heating Facility

Significance: This Boiler House provides particularly vivid insight into the processes involved in heating buildings used in the manufacture and storage of munitions. In addition, Building 1624 contributes to a fuller understanding of the U.S. Army build-up which occurred on the eve of and during World War II.

History: Building 1624 served as the Boiler House for both the East and West Fuze Plant area. This building was designed at Picatinny Arsenal and customized at Ogden Arsenal. One of the major modifications from the original design is the absence of a basement. The Picatinny plans prescribe a foundation level below grade, but Building 1624 was constructed without this lower level.

Each distinct plant at Ogden Arsenal contained its own heating facility. These structures are very similar to Building 1624 and include: 1904 in the North Loading Plant, 2025 in the Primer Loading Plant, 2203 in the East Loading Plant, and 2104 in the West Loading Plant. Each building serviced its individual area.

The original heating equipment in each of these buildings included two 121-horsepower Union Iron Works boilers and a 25-psi pressure, water tube, gas-fired, semi-automatic, hand-fired oil standby. The equipment came complete with all controls, meters, gauges, steam pumps, oil pumps, valves, stacks, breachings, blow downs, etc..

General

Description: Building 1624 (42' x 30') is a concrete frame hollow tile building. Three piers support two bays across the width and along the length. The south bay on the east elevation contains a double entry door with a five-by-three-pane industrial window above, while the other bay contains a single door leading directly to a basement stair. The remaining elevations contain five-by-five-pane industrial windows with an operable six-pane awning section in each bay. A single brick soldier course wraps the entire building and also serves in place of lintels. The steel truss roof was originally covered with a continuous asbestos ridge roll. The roof contains two stacks for equipment and two vents integrated with lightning aerials.

Minor modifications to the building include the removal of a large pipe on the west facade and the original steel stack. A bricked-in opening marks where the pipe once penetrated.