

Cedars Lock and Dam, Lockkeeper's Residence
Approximately 50 feet northwest of the upper gate
Little Chute
Outagamie County
Wisconsin

HAER No. WI-85-A

HAER
WIS
44-LITCH,
1A-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
Rocky Mountain System Support Office
National Park Service
P.O. Box 25287
Denver, Colorado 80225-0287

HISTORIC AMERICAN ENGINEERING RECORD

CEDARS LOCK AND DAM, LOCKKEEPER'S RESIDENCE

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Location: The lockkeeper's residence at the Cedars Lock and Dam Complex is located approximately 50 feet northwest of the upper gates of the Cedars lock, in the SW1/4, SW1/4, NW1/4, Section 21, T21N, R18E, Civil Town of Vandebroek, Outagamie County, Wisconsin.

UTM: 16/393560/4903630; USGS Quadrangle: Kaukauna, Wisconsin 7.5' series

Date of Construction: 1927

Engineer: United States Army Corps of Engineers with Contractors

Architect: United States Army Corps of Engineers with Contractors

Present Owner: United States Army Corps of Engineers

Present Use: Vacant.

Significance: The Lockkeeper's house served as an on-site headquarters for the lockkeeper responsible for operating the locks. In addition, the house served as a residence for the lockkeeper's family. The residence functioned as part of the daily operation of the Cedars Lock and Dam Complex.

Project Information: This documentation was undertaken in 1995 in accordance with requirements detailed in a June 19, 1994 letter from Gregory D. Kendrick, Chief, History Branch, NPS to Dale Monteith, Acting Chief, Planning Division, USACOE, Detroit District. The Lower Fox system remains basically operational but was placed in caretaker status by the USACOE in 1982. The USACOE plans to divest itself of the Lower Fox system as soon as is feasible; therefore, NPS requested this documentation. All documentation conforms to HAER standards.

Dr. John D. Richards, Principal Investigator; Georgia A. Lusk, Patricia B. Richards, and Robert J. Watson, Project Archivists with Great Lakes Archaeological Research Center, Inc.; Joseph Paskus, Project Photographer.

LOCKKEEPER'S RESIDENCE AT CEDARS LOCK

The original lockkeeper's residence at the Cedars Lock and Dam Facility was constructed in 1893. Between 1901 and 1909, this structure underwent numerous structural repairs including the installation of new hardwood flooring in the dining room and kitchen.¹ In 1907, the structure was modified by the addition of a basement and a new three foot high stone foundation. At the same time, a porch was also added to the house.² The cistern, eaves, and gutters were repaired in 1908.³ In 1909, improvements included the construction of a concrete walkway leading from the house to the lock, the replacement of the dirt floor in the basement with one of poured concrete, and repairs to the kitchen ceiling.⁴

Plans for a new lockkeeper's residence at Cedars Lock were submitted to the U.S. Army Corps of Engineers in February of 1926. Construction was completed in 1927 at a cost of \$8,811.25.⁵ It is this dwelling which is present today at the Cedars facility. The dwelling was built into the landward lock embankment, approximately 50 feet northwest of the upper gates of the lock. Details of the lockkeeper's residence were acquired from blueprints on file at the Fox River Project Office, Kaukauna, Wisconsin, and from the Cedars Lock and Dam Historic District National Register Nomination.⁶

The lockkeeper's residence, as depicted in the original blueprints, is a 1 1/2 story, Colonial Revival style dwelling. It has a gambrel roof with flared eaves, four shed-roofed dormers, and a poured concrete basement. The roof and dormers are clad with asbestos shingles. The first story is constructed of brick from grade to a height of 10 feet 9 inches above grade. The upper one-half story is a wood frame construction clad with cedar shingle.⁷ Interior walls are constructed with 2 by 4 inch studs spaced 16 inches on center. The floor joists are 2 by 10 inch, and are also spaced 16 inches on center.⁸ The house has an open front porch and entry with a hipped tin roof on its west side, and an enclosed brick rear entry with a hipped asbestos shingle roof on its east side. A third entry is located at the center of the south wall on the first floor, and provides access to the first floor and basement.⁹ Horizontal dimensions of the lockkeeper's residence are 26 feet north-south and 27 feet 8 inches east-west; maximum height from foundation to roof peak is about 28 feet.¹⁰

The basement walls and floor are constructed of poured concrete. Basement wall thickness is 16 inches, and floor thickness is 6 inches. The furnace is located in the southwest quadrant of the basement and vents into a brick chimney. A cistern with an interior brick filter wall occupies the northeast corner of the cellar and is fed by two inlet pipes. A suction pipe leads from within the filter wall to a pump located next to the kitchen sink.¹¹

The first floor plan of the Cedars lockmaster's residence consists of four rooms, a stair hall, and a staircase leading to the second floor.¹² Floor to ceiling height of the first story is 10 feet 1/2 inch. An 11 foot 10 inch by 12 foot kitchen is accessed by a rear entry located in the northeast corner of the dwelling. A pump and a sink are located in the southwest corner of the kitchen, and a pantry is built into the northern half of the rear entrance.¹³ All first floor windows are glazed with four panes of either 14 by 28 inch or 10 by 22 inch glass. Paired windows are located on the west wall of the kitchen.¹⁴

To the east of the kitchen a 10 foot 10 inch by 13 foot 4 inch dining room is separated from the kitchen by a 2 foot 8 inch wide swinging door. Paired windows are located on the north wall of the dining room, and a single window is located on the east wall.¹⁵

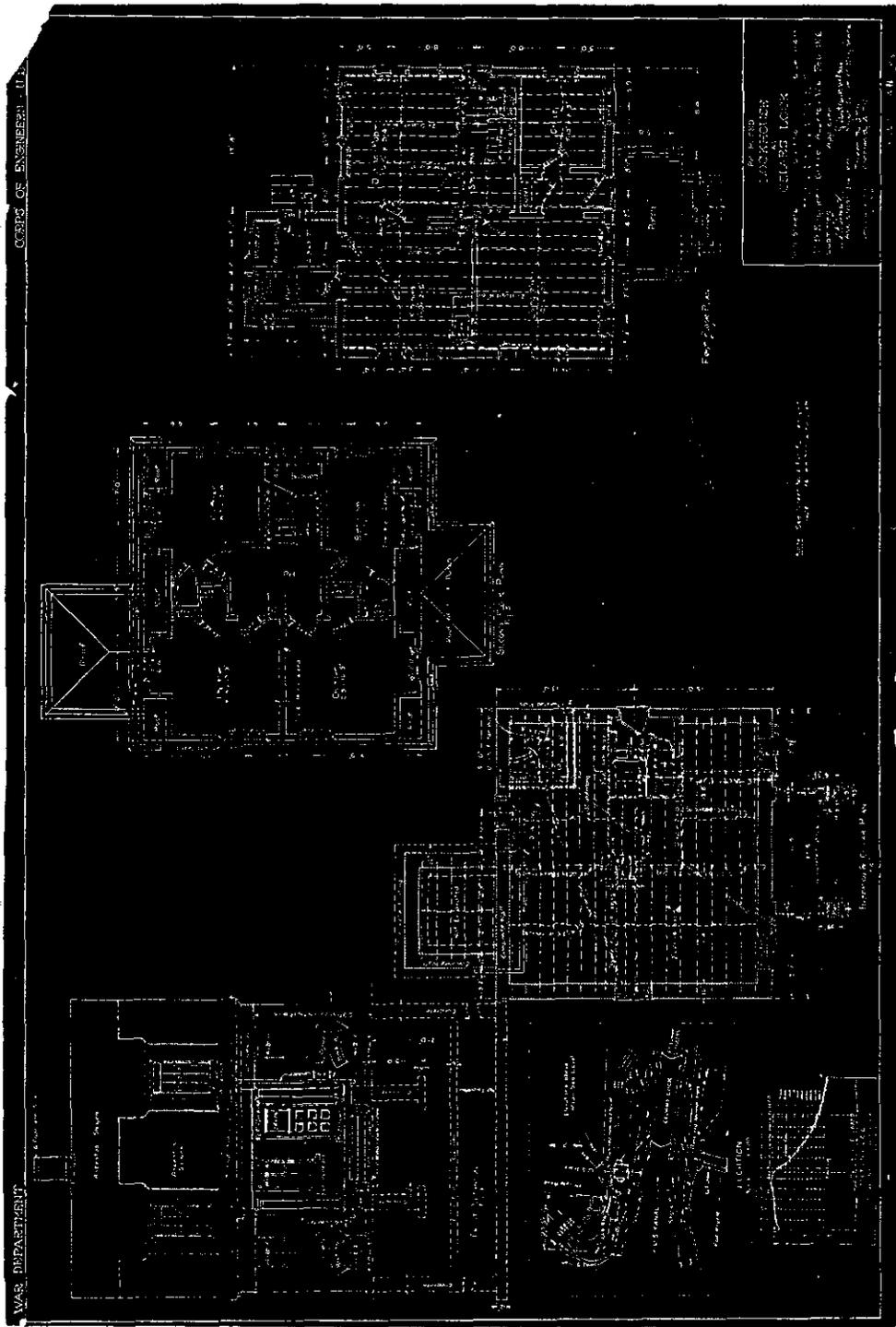
A door leading to a staircase hallway and side entry is located on the west wall of the dining room. Access to the living room is also gained through this hallway. The living room, located in the northeast corner of the first floor, measures 11 feet 10 inches by 12 feet 5 inches. The living room has a single window on its north wall, and two windows on the west wall. The front entryway is located off the living room, and leads outside to the front porch. Located to the east of the living room immediately opposite the front door is a small 7 foot 10 inch by 8 foot 5 inch office. Two windows are located within the office, one on the south wall, and one on the west wall.¹⁶

The second floor plan divides the upper floor into three rooms with closets, a hall, and a bathroom with a linen closet. Floor to ceiling height of the second story is 9 feet 1 3/8 inches. A rail and spindle staircase with a central landing leads to the second floor. The staircase enters into a centrally located hallway which accesses all of the second floor rooms through a series of paneled doors. All upstairs windows are glazed with 12 panes of 10 by 12 inch glass. The northwest room is 10 feet 3 inches by 10 feet 9 inches with north and west facing windows, the northeast room is 8 feet 3 inches square with north and east facing windows, and the southwest room 10 feet 3 inches by 10 feet 9 inches with west and south facing windows. The bathroom is 6 feet 3 inches by 12 feet 4 inches with east and south facing windows.¹⁷

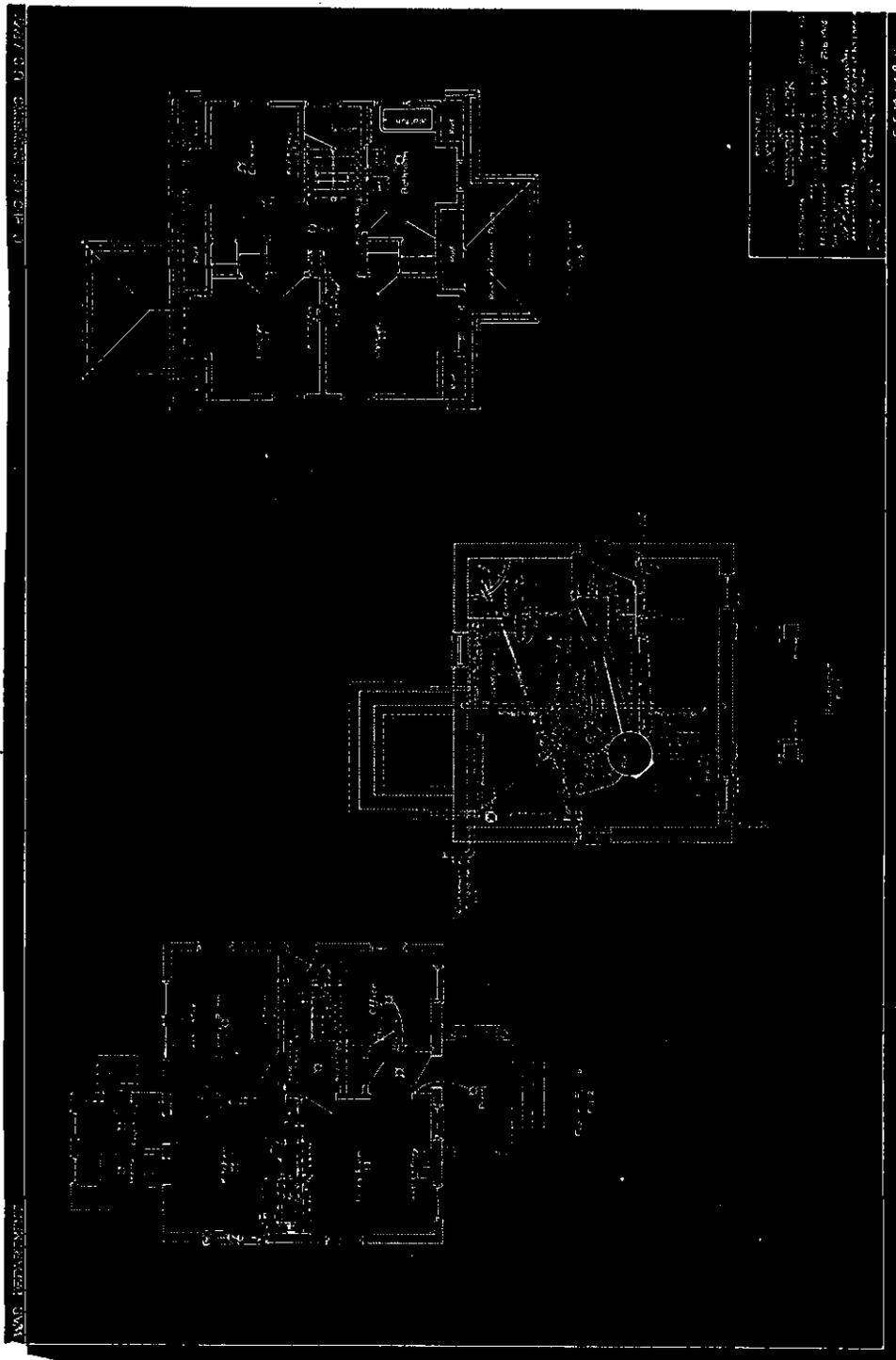
ENDNOTES

- 1 U.S. Army, Annual Report of the Chief of Engineers, 1901, Washington, D.C.: U.S. Government Printing Office, p. 2966; Annual Report 1903.
- 2 U.S. Army, Annual Report of the Chief of Engineers, 1907, Washington, D.C.: U.S. Government Printing Office, p. 1910.
- 3 U.S. Army, Annual Report of the Chief of Engineers, 1908, Washington, D.C.: U.S. Government Printing Office, p.1980.
- 4 U.S. Army, Annual Report of the Chief of Engineers, 1909, Washington, D.C.: U.S. Government Printing Office. p.1983.
- 5 U.S. Army, Annual Report of the Chief of Engineers, 1909, Washington, D.C.: U.S. Government Printing Office. p.1983.
- 6 U.S. Army, Annual Report of the Chief of Engineers, 1909, Washington, D.C.: U.S. Government Printing Office. p.1983.
- 7 USACOE, File No. 1-A-1, sheet 3.
- 8 Ibid., sheet 1.
- 9 Ibid., sheet 2.
- 10 Ibid., sheet 3.
- 11 Ibid., sheet 2.
- 12 Ibid.
- 13 USACOE, File No. 1-A-1, sheet 1.
- 14 Ibid., sheet 2.
- 15 Ibid.
- 16 Ibid.
- 17 Ibid.

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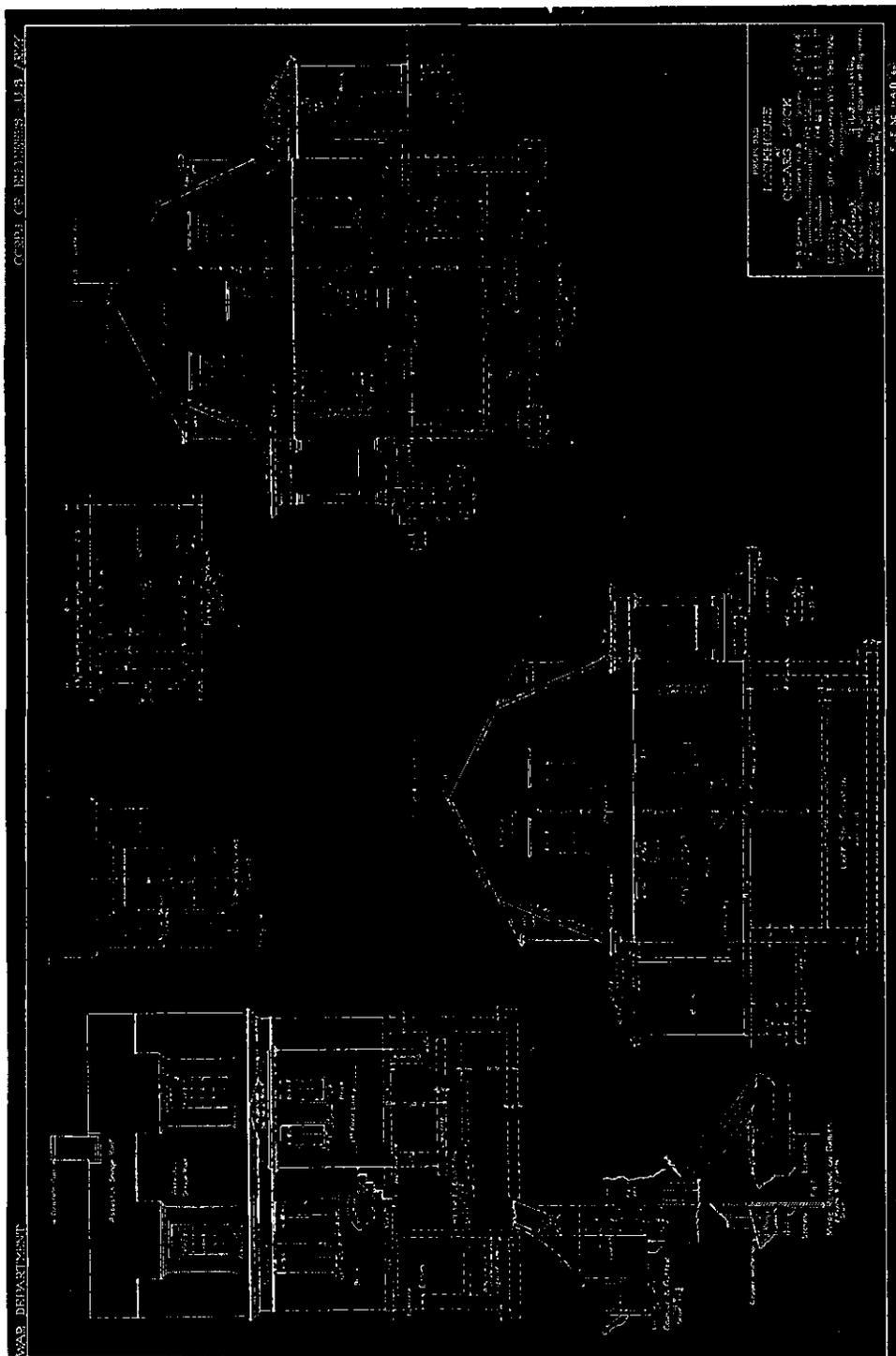


Photocopy of blueprint of Proposed Lockhouse at Cedars Lock, 1926, File No. 1-A-1, sheet 1.



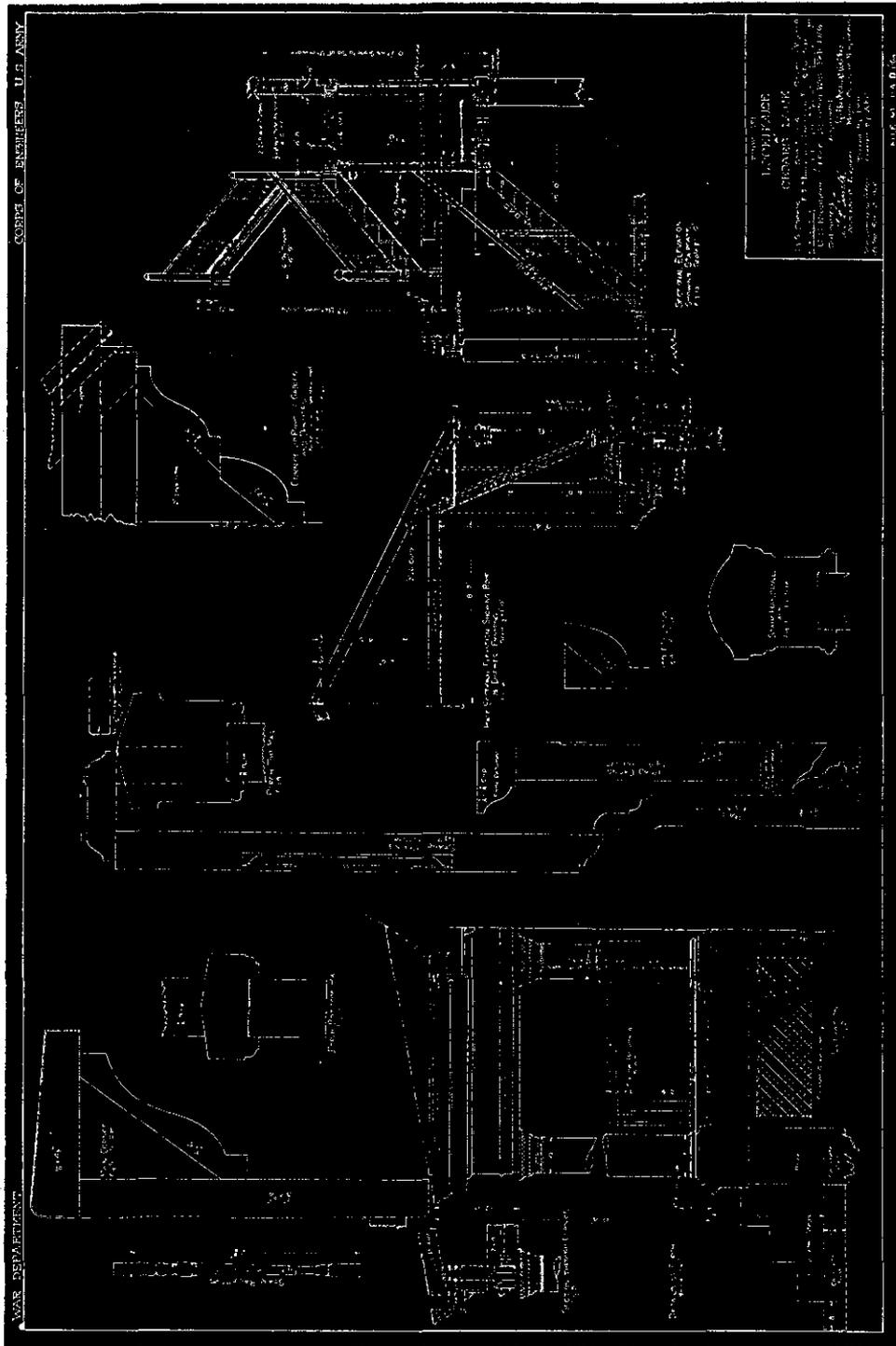
Photocopy of blueprint of Proposed Lockhouse at Cedars Lock, 1926, File No. 1-A-1, sheet 2.

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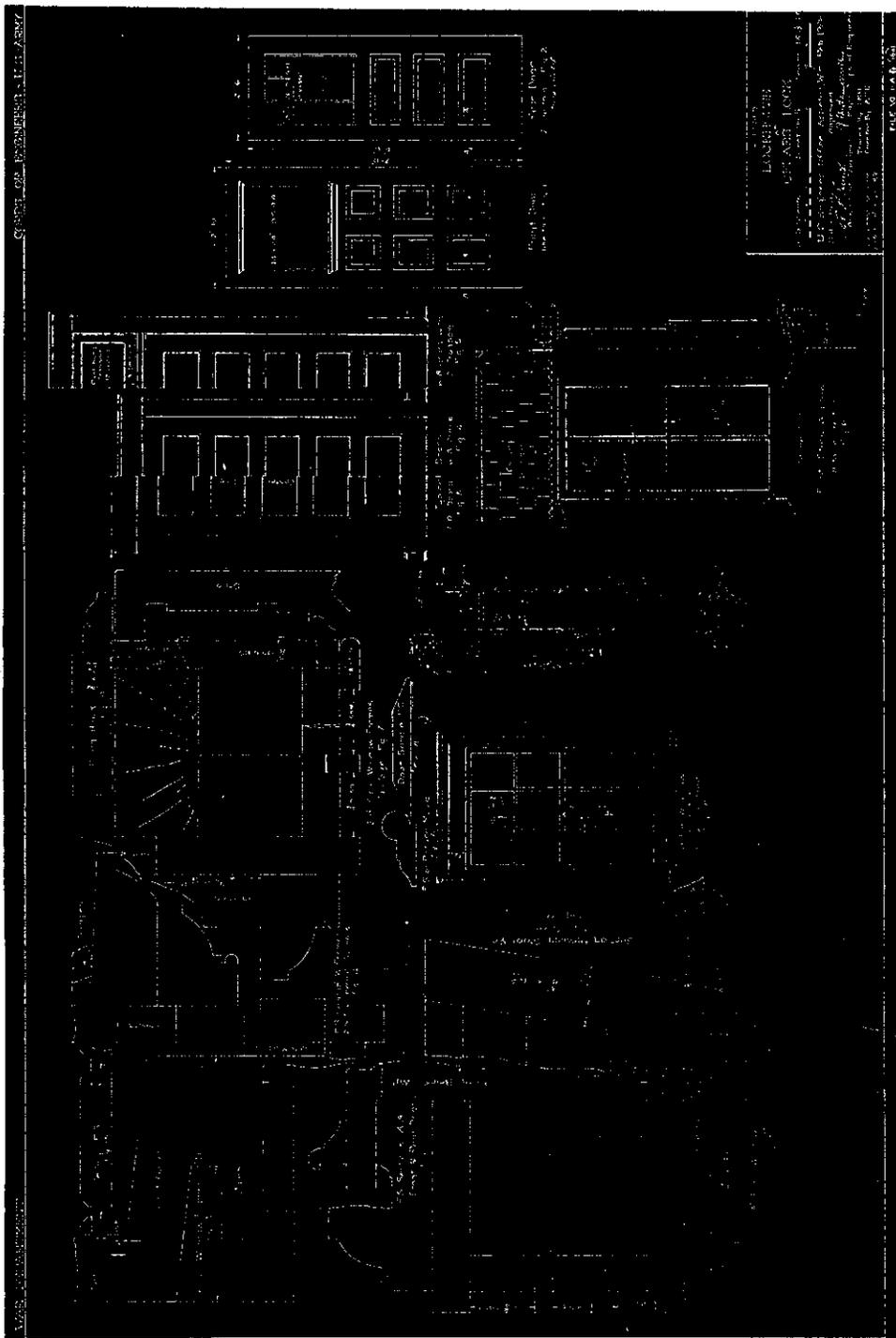
Photocopy of blueprint of Proposed Lockhouse at Cedars Lock, 1926, File No. 1-A-1, sheet 3.

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Photocopy of blueprint of Proposed Lockhouse at Cedars Lock, 1926, File No. 1-A-1, sheet 4.

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Photocopy of blueprint of Proposed Lockhouse at Cedars Lock, 1926, File No. 1-A-1, sheet 5.