

*Structural Investigation*

Building Number 135 Granary Storehouse  
Historic Building Stabilization  
Fort Des Moines, Iowa

*U.S. Army Corps of Engineers  
Omaha District*

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# BUILDING 135 GRANARY STOREHOUSE

## *Introduction*

The purpose of this investigation is to determine and report on the existing conditions of building number 135 on the Fort Des Moines Army reserve Campus in Des Moines, Iowa. This information was requested by the Army Corps of Engineers, Omaha District, in conjunction with their plans to stabilize and maintain structures on the installation. A detailed structural evaluation including numerical analysis and load evaluation was not performed and is considered beyond the scope of this project.

On July 8, 1993 and July 27, 1993, on-site observations and measurements were made, and photographs were taken to supplement field notes. These observations were made to assess the existing conditions to determine the structural stability of roof, walls, floors, and foundation for future maintenance and stabilization activities. This report will also identify conditions which, in our opinion, would prevent personnel from safely executing stabilization of roof surfaces. Recommendations are given for stabilization of roof and floor structures as well as a statement of probable cost. Photographs have been included in the master copy of the report.

Plans of the first floor, roof, and basement have been included. These plans show all column lines and major structural observations mentioned in the report. Photographs are also referenced on these plans by photo number.

## *Description*

Building 135 was finished in 1904 as part of the initial fort construction during its use as a calvary post. It was originally constructed from a set of standard plans for granary storehouses and was designed to hold 500,000 pounds of grain for calvary horses. In 1935-36, the building was used as a CCC commissary and some modifications were made including the addition of a hand-operated elevator.