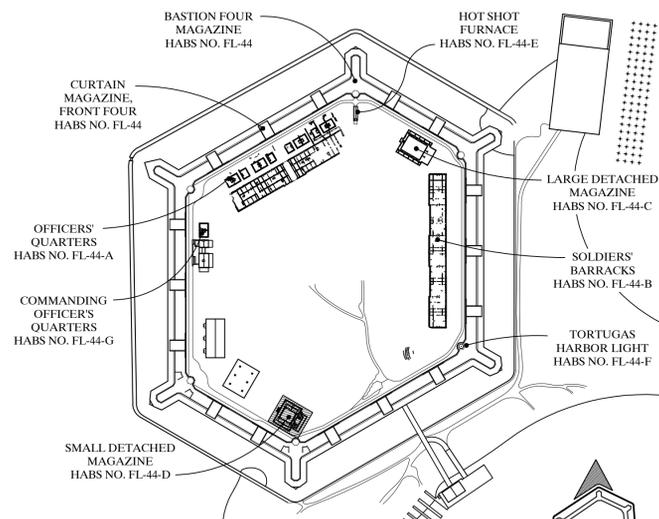


SMALL DETACHED MAGAZINE

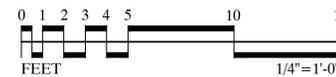
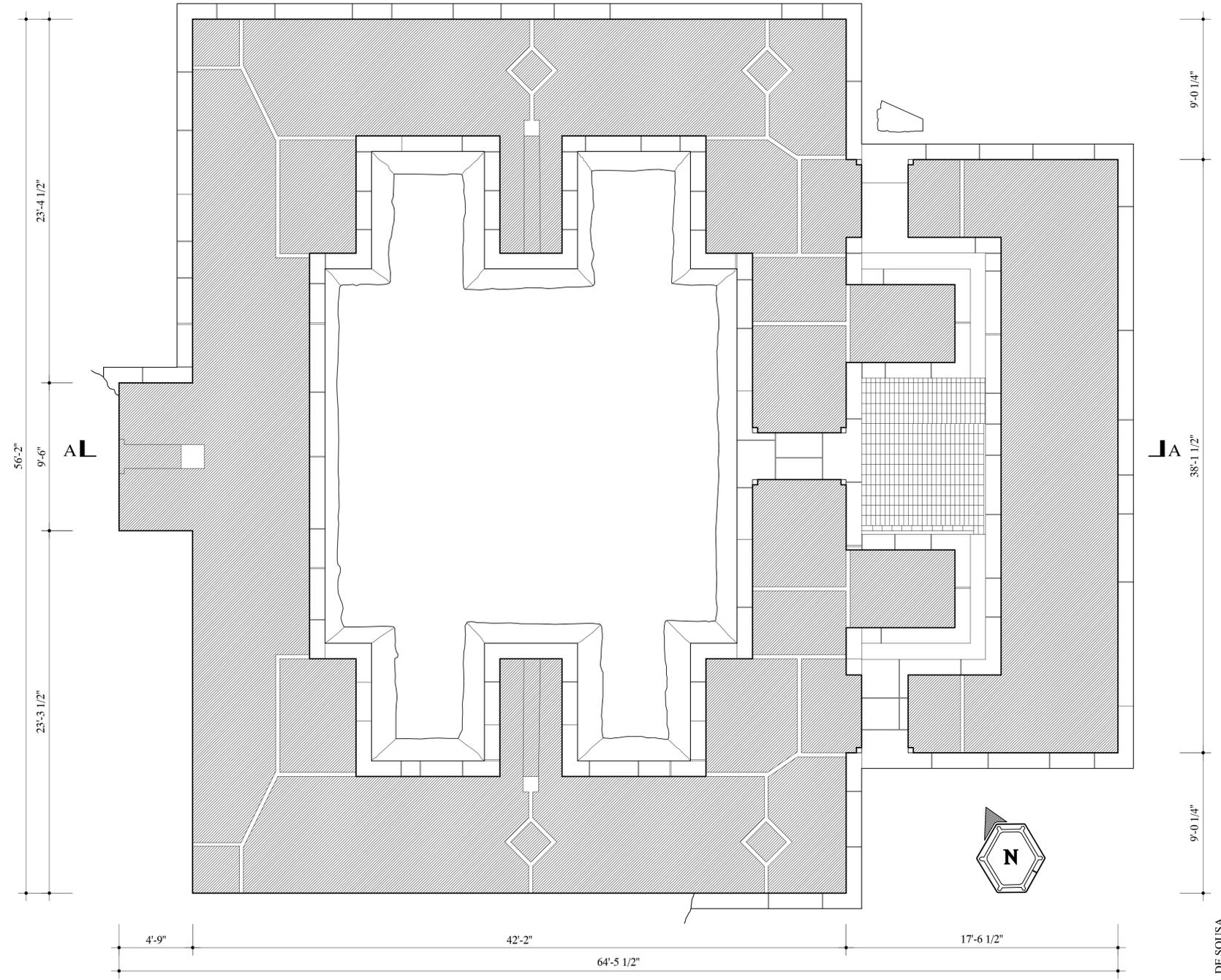
Located on the Parade Grounds to support the military functioning of Fort Jefferson were the Large and Small detached magazines, where the gun powder was to be safely stored. The Small Magazine was intended to serve as the powder storage facility secondary to the Large Magazine, both of which were supplemented by lesser magazines occupying two casemates of each long curtain wall and in each bastion tower. The Small Magazine utilized the innovated, shell-proof, barrel-vaulted brick arch and concrete construction for which its designer, Chief Engineer of the U.S. Army General Joseph Totten, was well known. According to the original specifications for Fort Jefferson, there were to be five independent or free-standing magazines two of which were to measure 48' x 28' and three, 30' x 28'. Instead, Large and Small magazines were built, with the later measuring 56-2" x 64'-5" and 7'-6" in height. While about 20' smaller than the Large Magazine and including two vaults rather than four, it shares basic features.

Detailed instructions for the construction of the Small Magazine did not arrive at the fort until December 1861, however, following the start during the previous spring of the Civil War, when the fort witnessed its highest use. While Totten instructed work to begin immediately, the Small Magazine was not begun until after the war. The construction of the Small Magazine essentially mirrored that of the Large Magazine, lagging slightly behind. In June 1865, work began on the foundation of the Small Magazine as that of the Large Magazine was completed. Work continued between 1865 and 1870, although the Large and Small parade magazines were never truly finished. By 1876 they were no longer necessary and by 1891, all the fort's magazines were emptied of powder and munitions. Although structurally sound, the magazines show damage by weaponry fire.

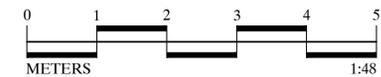
Documentation of the Small Detached Magazine was undertaken by the Historic American Buildings Survey (HABS), Heritage Documentation Programs (HDP) of the National Park Service (Catherine C. Lavoie, Chief, HABS; Richard O'Connor, Chief, HDP) in Winter 2016. The project was undertaken by HABS in cooperation with Dry Tortugas National Park (Glenn Simpson, Park Manager; Kelly Clark, Cultural Resources Specialist) and Lord Aeck Sargent (Rob Yallop, Senior Associate; Kelly Gawinek, Project Architect). The HABS documentation of the Fort Jefferson Parade Ground Structures was funded with a grant from the HTR Foundation. Field recording and measured drawings were completed by Paul Davidson and Daniel De Sousa, HABS Architects. The large-format photography was undertaken by Todd Croteau, HAER Architect.

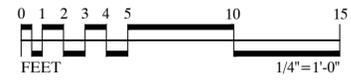
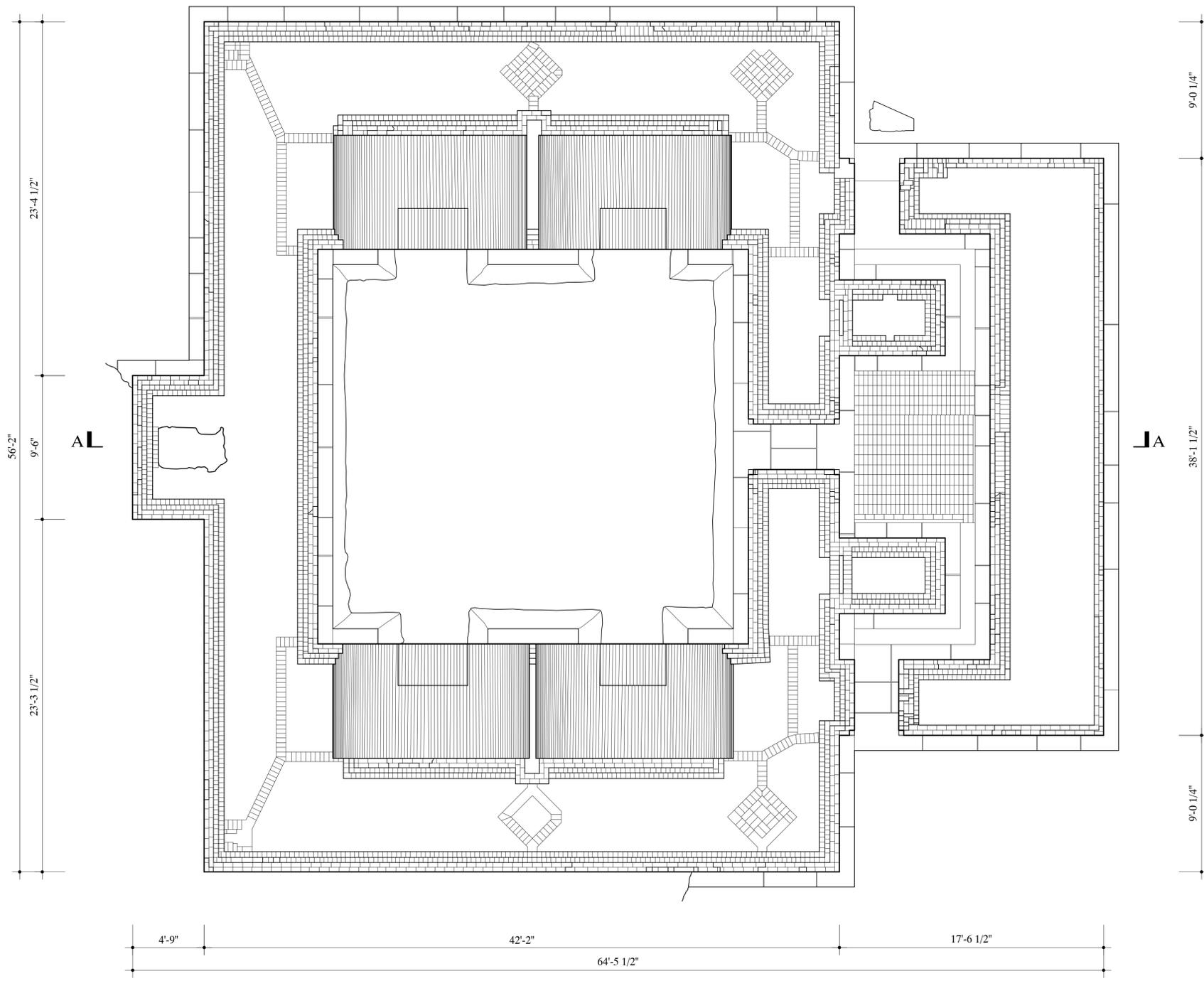


LOCATION MAP
FORT JEFFERSON
NO SCALE

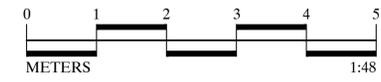


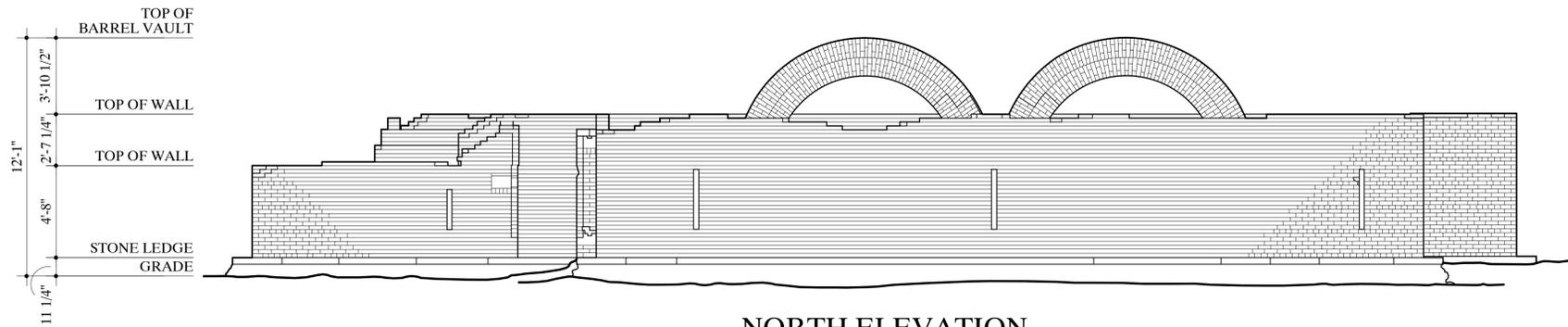
FLOOR PLAN
1/4" = 1'-0" 1:48





ROOF PLAN
1/4" = 1'-0" 1:48





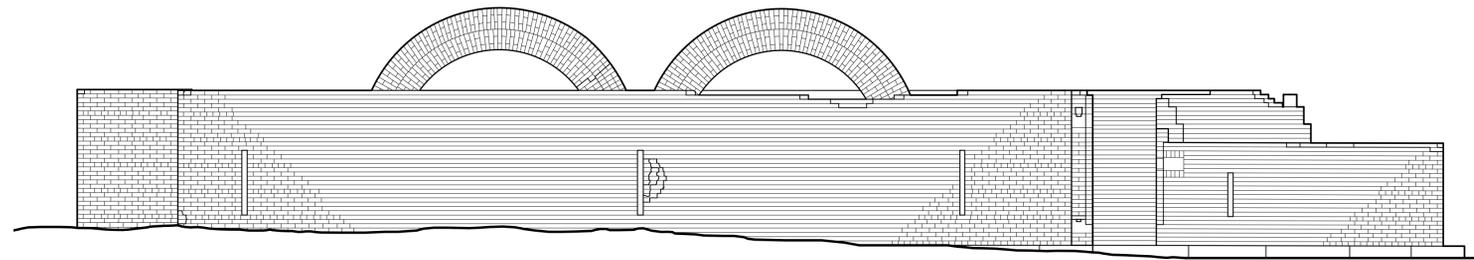
NORTH ELEVATION

1/4" = 1'-0" 1:48



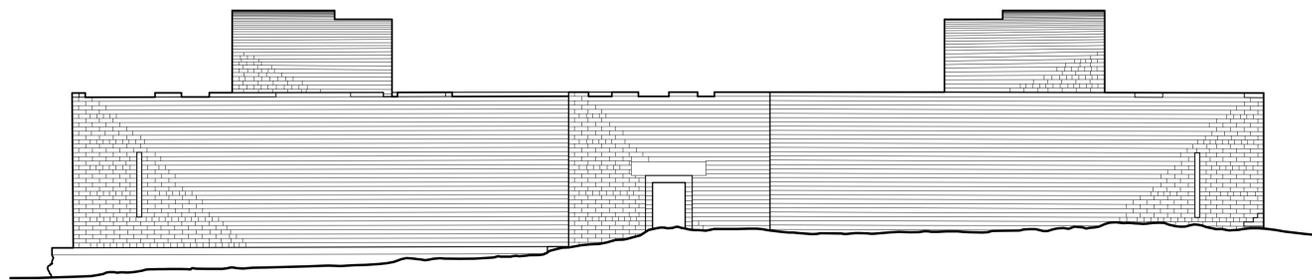
EAST ELEVATION

1/4" = 1'-0" 1:48



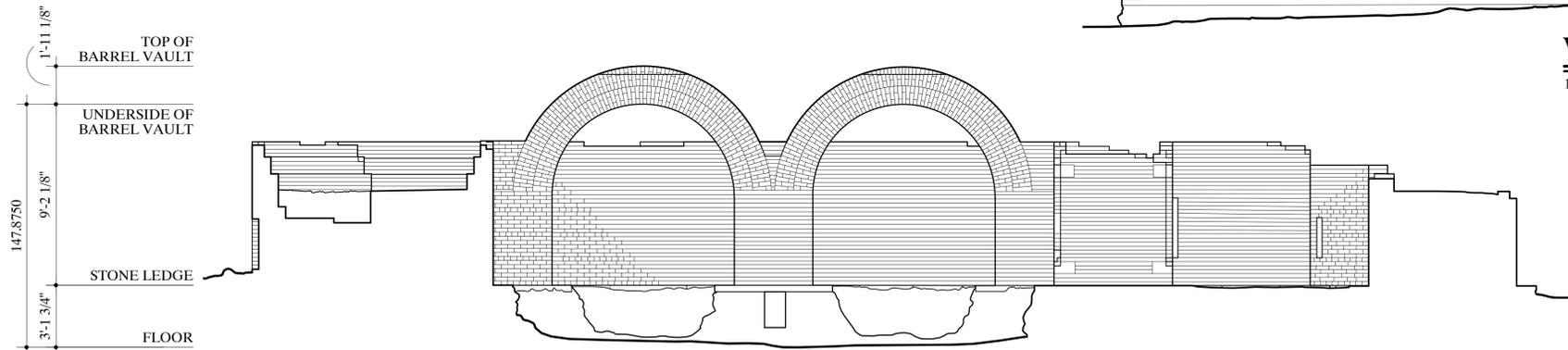
SOUTH ELEVATION

1/4" = 1'-0" 1:48



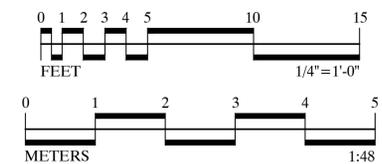
WEST ELEVATION

1/4" = 1'-0" 1:48



SECTION A-A

1/4" = 1'-0" 1:48



12'-1"
2'-7 1/4"
3'-10 1/2"
4'-8"
11 1/4"
TOP OF BARREL VAULT
TOP OF WALL
TOP OF WALL
STONE LEDGE GRADE

1'-1 7/8"
7'-3 1/4"
12'-3 1/2"
3'-10 3/8"
TOP OF BARREL VAULT
TOP OF WALL
STONE LEDGE GRADE

147.8750
1'-11 1/8"
9'-2 1/8"
3'-1 3/4"
TOP OF BARREL VAULT
UNDERSIDE OF BARREL VAULT
STONE LEDGE
FLOOR

IF REPRODUCED, PLEASE CREDIT THE HISTORIC AMERICAN BUILDINGS SURVEY, NATIONAL PARK SERVICE, NAME OF DRAWING, DATE OF DRAWING