

**Primary Battery File**

**National Archives, Washington D.C.**

**Record Group 77**

**Correspondence of the Chief of Engineers**

**Entry 103**

**File, Fort, Battery:**

25467

Ft. Warren

Btly Plunkett

SUBJECT: Four-inch R. F. emplacements, Fort Warren.

*Office of the Chief of Engineers,  
United States Army,*

*Washington, May 3, 1898.*

Lieut. Col. S. M. Mansfield,  
Corps of Engineers,  
Boston, Mass.

Colonel:

You are informed that the Ordnance Department does not now expect to secure the two 4.72-inch rapid-fire guns assigned to Fort Warren, Mass, work on the construction of emplacements for which was suspended April 11, 1898, until further orders. They have, however, secured several 4-inch rapid-fire Driggs-Schroeder, of which two are hereby assigned to Fort Warren, Mass., in lieu of the 4.72-inch guns. You are requested to construct emplacements for these guns.

The magazines and traverses are to<sup>be</sup> substantially as shown on the drawings of the type emplacement for the 5-inch rapid-fire gun.

Blue prints of a design for a platform for the 4.72-inch rapid-fire gun, and of the mount of the 4-inch rapid-fire gun are sent you under separate cover. It is desired that you adapt this platform design to suit the 4-inch gun, bearing in mind that the mount to be furnished is not intended to permit of a fire in excess of 180 degrees.

4  
1  
2  
0  
1  
1  
S.M.M.-2.

In order to save time and money, it is suggested that existing magazines can be utilized to advantage, and the construction of new ones obviated. The platforms should be rapidly pushed to early completion. A preliminary allotment of \$6,000 from the emergency appropriation for National Defense, Act of March 9, 1898, is hereby made for the construction of these emplacements.

By command of Brig. Gen. Wilson:

Very respectfully,

Your obedient servant,

*Joseph E. Kuhn*  
Captain, Corps of Engineers.

24877  
10

Blue print, D.168,S.153, copy of inclo.7,  
& 1 add'l blue print in sep. roll.

Subject: Project for R.F. Gun emplacements, Fort Warren.

**UNITED STATES ENGINEER OFFICE,**

P. O. BOX 5346, ROOM 124 P. O. BUILDING,

BOSTON, MASS.

June 3, 1898.

Brig. Gen. John M. Wilson,  
Chief of Engineers, U. S. A.,  
Washington, D. C.

General:

I have the honor to submit the following project and estimate for emplacements for two 4 inch r.f. guns at Fort Warren, Mass., authorized by Department letter (E. D. 24877). A plan of the proposed emplacement is submitted herewith.

After consultation with the Commanding Officer at Fort Warren, it was decided to install both of these guns in Bastion "B", behind the wall which is formed, on the left of the 10 inch gun position, by the concrete cover of the 10-inch magazines. The two r.f. guns will be served from one magazine, located between them.

In the location selected, these guns will command the entrance to both Nantasket Roads and the Narrows, and the gun on the left will be able to follow a vessel far up the Narrows. They will also sweep the mine fields in the Narrows. It was impossible to so distribute these guns as to bear on all the waters which ought to be covered by r.f. guns at Fort Warren, and their position was settled upon with a view to the greatest possible efficiency in the present emergency. It has the advantage that a good parapet was already in position; it has the disadvantage, from an economical point of view, that getting materials to the site involves handling several times, in a rather slow and expensive way.

Brig. Gen. J. M. W.-2.

The estimate of cost is as follows:

Excavation, 600 cu. yds. at \$1.00.....	\$600.00
Portland cement concrete, 300 cu. yds. at \$8.00.....	2400.00
Natural cement concrete, 600 cu. yds at \$6.50.....	3900.00
Steel beams, 12000 lbs. in position at 4¢...	480.00
Doors, wiring, drainage, &c.....	400.00
Mounting guns,.....	<u>300.00</u>
	8080.00
Contingencies, 12 1/2%.....	<u>1010.00</u>
Total,.....	\$9090.00

Very respectfully,

Your obedient servant,

  
Lieut. Col., Corps of Engineers.

1 enclosure  
in sep. roll.

OFFICE CHIEF OF ENGINEERS.

25467

WAR DEPARTMENT

Boston, Mass.

N.D. U. S. Engineer Office,  
Boston, Mass.

Received JUN 8 1898

Attest

Submits project for  
improvements for 2-4"  
R.F. guns at Fort Warren  
Mass. (Boston B.), etc.  
papers with plans & esti-  
mate of cost - \$990.00

1 inclo (drawing)  
Incls. 2 in clon Bldg. En. 33, Bk. 53.

24877  
10

File

RECD, BAK OFFICE CHIEF OF ENGRS, JUN 10 1898

inc. 2 accy

1st indorsement.

Office Chief of Engineers,

June 7, 1898.

Respectfully returned approved.  
The sum of \$3,090 additional is  
hereby allotted from the appro-  
priation for National Defense, Act  
of March 9, 1898, to be applied to  
the completion of two emplacements  
for 4-inch R. F. Driggs-Schroeder  
guns.

These papers to be returned.  
By command of Brig Gen. Wilson.

25467

1  
Capt. Corps of Engineers

Inclo. 2 in sep. roll.

2nd indorsement.

U. S. Engineer Office,  
Boston, Mass.,  
June 8, 1898.

Respectfully returned to the  
Chief of Engineers, U.S. Army.

Lt. Col., Corps of Engineers,  
N.D. 111.

RECD, OFFICE CHIEF OF ENGRS, JUN 20 1898