N.A.C.A. TANK

Use of structure - to provide information and data regarding the performance of seaplanes on the water analogous to the information furnished concerning the performance of airplanes in the air.


Location - Plot 22, Langley Field, Va.; original tank of 2,020 ft. approved by Secretary of War July 24, 1929; extension to 2,960 ft. approved by Assistant Secretary of War August 26, 1930.

Preliminary work on tank started July 17, 1929.

Main contractors -

Original 2,000-ft. structure -


Started February 10, 1930; completed August 28, 1930 - $171,053.00


Started July 11, 1930; completed September 4, 1930 - $5,586.00


Started June 26, 1930; completed November 29, 1930 - $6,750.00


Started July 2, 1930; completed December 31, 1930 - $24,665.00


Started January 27, 1931; completed October 28, 1931 - $32,988.00
N.A.C.A. TANK

June 30, 1938

- 2 -

Main contractors — contd.

900-ft. extension:


Started September 14, 1936; completed June 15, 1937

$71,278.30


$17,700.00


Started April 12, 1937; completed June 5, 1937

$9,330.00


$11,739.00


$40,900.00

Extension of shop:

Construction of the steel structure: Contract NAW-441, dated October 9, 1936, Truscon Steel Co., Youngstown, Ohio. Completed February 8, 1937

$2,738.00


Started October 24, 1936; completed December 24, 1936

$6,833.00


Started January 21, 1937; completed May 3, 1937

$3,905.00


$3,449.15


$2,350.00


$10,050.38

Original Tank placed in operation May 27, 1931.

Enlarged Tank placed in operation October 1, 1937.
N. A. C. A. TANK

Tank Housing

<table>
<thead>
<tr>
<th>Description</th>
<th>Tank Housing</th>
<th>Office and Shop</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions of building</td>
<td>2060' x 28'</td>
<td>160' x 28' x 18'</td>
<td>60,800 sq.ft.</td>
</tr>
<tr>
<td>Ground area</td>
<td></td>
<td></td>
<td>1,500,000 cu.ft.</td>
</tr>
<tr>
<td>Cubic contents</td>
<td></td>
<td></td>
<td>1,500,000 cu.ft.</td>
</tr>
<tr>
<td>Character</td>
<td></td>
<td></td>
<td>Steel structure - Careystone covering</td>
</tr>
<tr>
<td>Type and thickness of</td>
<td></td>
<td></td>
<td>Corrugated Careystone - 1/4 in. thick</td>
</tr>
<tr>
<td>walls</td>
<td></td>
<td></td>
<td>Corrugated Careystone</td>
</tr>
<tr>
<td>Type and thickness of</td>
<td></td>
<td></td>
<td>Corrugated Careystone</td>
</tr>
<tr>
<td>floor</td>
<td></td>
<td></td>
<td>Corrugated Careystone</td>
</tr>
<tr>
<td>Type of roof</td>
<td></td>
<td></td>
<td>Corrugated Careystone</td>
</tr>
</tbody>
</table>

TANK

Dimensions - 2,000 ft. long, 24 ft. wide, 12 ft. deep

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost of tank and building</td>
<td>$226,629.00</td>
</tr>
<tr>
<td>Cost per cu. ft.</td>
<td>$0.143</td>
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<tr>
<td>Cost of tank equipment</td>
<td>$122,327.95</td>
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</tbody>
</table>