June 30, 1942

Dynamic Model Shop

Use: Dynamic models are made in this building for aeronautical investigations held in both the Free-Flight Tunnel and Towing Tank.

Authority: First Deficiency Appropriation Act, fiscal year 1942.

Location: Plot 22, Langley Field, Virginia.

History: Preliminary work on dynamic model shop started May 11, 1940. Placed in operation January 7, 1943.

Construction:

- Dimensions of building: 100' x 42'-8" x 23' average height
- Ground area: 4,150 sq ft
- Cubic contents: 94,450 cu ft
- Character: Wood frame with roof trusses
- Type of walls: Corrugated asbestos
- Type and thickness of floor: 5" reinforced concrete
- Type of roof: Corrugated asbestos

Cost Summary

- Structure: $42,571.96
- Cost per cu ft: 0.451
- Equipment: 14,270.39