



Smithsonian

National Air and Space Museum

Boeing Model S-307 (PAA-307)
Stratoliner, NASM, Drawings

2017

National Air and Space Museum Archives
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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Boeing Model S-307 (PAA-307) Stratoliner, NASM, Drawings
Date:	(bulk 1930s)
Identifier:	NASM.2017.0039
Creator:	Boeing Airplane Company
Extent:	1.4 Cubic feet ((19 tubes))
Language:	English .

Administrative Information

Acquisition Information

David Stubbs, Gift, 2017

Preferred Citation

Boeing Model S-307 (PAA-307) Stratoliner, NASM, Drawings, Accession 2017-0039, National Air and Space Museum, Smithsonian Institution.

Restrictions

No restrictions on access.

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Biographical / Historical

First flown in late 1938, the Boeing Model 307 Stratoliner was the first airliner with a pressurized fuselage. It could carry 33 passengers in great comfort and cruise at 6,096 meters (20,000 feet), while maintaining a cabin pressure of 2,438 meters (8,000 feet). This enabled the Stratoliner to fly above most bad weather, thereby providing a faster and smoother ride. The Stratoliner incorporated the wings, tail, and engines of the Boeing B-17C bomber. The wide fuselage was fitted with sleeper berths and reclining seats. Ten Stratoliners were built. The prototype was lost in an accident, but five were delivered to TWA and three were purchased by Pan American Airways (PAA). TWA owner Howard Hughes purchased a heavily modified version for his personal use. The National Air and Space Museum's Boeing 307 was flown by PAA as the Clipper Flying Cloud. Former PAA Flight engineer Bob Stubb started refurbishing the aircraft and was responsible for doing much of the initial work and fundraising (mostly donations from PAA retirees) to start the restoration. Later, Boeing took over the project and decided to restore the aircraft to flying condition, which they completed in 2001. The restored aircraft was delivered to NASM in August of 2003.

Scope and Contents

This collection consists of 19 tubes of 18 by 24 inch drawings, that appears to be printed from microfilm provided by Boeing to Bob Stubbs for the initial restoration work on NASM's Boeing 307.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Aeronautics
- Aeronautics, Commercial
- Boeing Model S-307 (PAA-307) Stratoliner

Types of Materials:

- Drawings

Names:

- Pan American World Airways, Inc.