United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA5659NM

This certificate, issued to FLIGHT STRUCTURES, INC.

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 *of the Federal Aviation Regulations.*

Original Product—Type Certificate Number: A20WE

Make: Boeing

Model: 747-100 series

Description of the Type Design Change:

Installation of structural, electrical and mechanical systems provisions for Zone D and E lavatories in acordance with FSI Master Drawing List No 91FS023-D01, Revision D, dated April 15, 1994, or later FAA approved revisions.

Limitations and Conditions:

This approval of this change in type design applies basically to the above model aircraft only and only to those aircraft serial numbers as listed on the continuation sheet. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications, or changes in type design will introduce no adverse effect upon the airworthiness of the aircraft. The Zone D and E lavatories and the resulting interior arrangement, along with the required placarding have not been evaluated and are not part of the STC (see Continuation Sheet Page 3 of 3.)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 2, 1991

Date reissued:

Date of issuance: December 31, 1991

Date amended: October 6, 1995

By direction of the Administrator

(Signature)

Acting Manager, Seattle Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-2(10-68)

Supplemental Type Certificate
(Continuation Sheet)

Number SA5659NM

A copy of this Certificate and Flight Structures Master Drawing List 91FS023-D01, shall be maintained as part of the permanent records for the modified aircraft.

Applicable serial numbers for the Boeing 747-100 series airplanes are as follows:

19875	19881	19928
19876	19882	20102
19877	19883	20103
19878	19925	20104
19879	19926	20105
19880	19927	20106

- END -

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.