United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA5931NM

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.* (see Type Certification Data Sheet A20WE for complete certification basis)

Original Product — Type Certificate Number: A20WE

Make: Boeing

Model: 747-200 Serial Nos. 21054, 21140, 21237, 21352, 21353, 21657 and 21658

Description of Type Design Change: Interior reconfiguration including addition of an upper deck galley, in accordance with Flight Structures Inc. Master Drawing List 92FS034-D01, Revision IR, dated March 17, 1993, or later FAA-approved revisions.

Limitations and Conditions: Approval of this change in type design applies only to the above model aircraft which have been modified by Heath Tecna STC SA5109NM. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and Flight Structures Inc. Master Drawing List 92FS034-D01 must be maintained as part of the permanent records for the modified aircraft.

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: March 19, 1992

Date reissued:

Date of issuance: March 19, 1993

Date amended: July 23, 1993

By direction of the Administrator

(Signature)

Assistant 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)

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Original Product — Type Certificate Number A20WE

Make: Boeing

Model: 747-200 Serial Nos. 21054, 21140, 21237, 21352, 21353, 21617 and 21658

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