United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA4151NM

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 Certificate Data Sheet A20WE for complete certification basis)

Original Product — Type Certificate Number: A20WE

Make: Boeing

Model: 747-357

Description of Type Design Change: Installation of galley units, seats, and a curtain divider in accordance with Flight Structures Master Drawing List 87FS162, Revision G, dated December 10, 1987, or later FAA-approved revisions and optional installation of a crew rest area in accordance with Flight Structures Master Drawing List 87FS162-02, Revision C, dated February 10, 1988, or later FAA-approved revisions.

Limitations and Conditions: Concurrent installation of Boeing Service Bulletin 747-25-2682, dated March 10, 1986, is required. The approval of this change in type design applies basically to the above model aircraft only. 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 other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. (See Continuation Sheet)

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: October 15, 1987

Date of issuance: December 18, 1987

Date reissued:

Date amended: February 12, 1988

By direction of the Administrator

(Signature)

For Manager, Seattle Aircraft Certification Office, ANM-100S

(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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Supplemental Type Certificate

(Continuation Sheet)

Number SA4151NM

Limitations and Conditions: (Continued)

A copy of this certificate and FAA-approved Flight Structures Master Drawing Lists 87FS162 and 87FS162-02 shall be maintained as part of the permanent records of the modified aircraft. This approval does not include galley carts. The crew rest area installation has not been found to be in compliance with the intent of FAR 121.485(a).

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