United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA4762NM

This certificate, issued to Madras Air Service

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 3 *of the* Civil Air *Regulations.*

Original Product—Type Certificate Number: A1CE

Make: Beech

Model: 19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R

Description of Type Design Change:

Installation of fiberglass wing tips in accordance with FAA Sealed Madras Air Service Drawing No. MAS-105, dated September 27, 1988, or later FAA approved revision.

Limitations and Conditions Approval of this change in type design applies 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 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, Continuation Sheet and Pilot's Operating Handbook Supplement, dated August 31, 1989, or later FAA approved revision 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: June 25, 1988

Date of issuance: August 31, 1989

Date reissued:

Date amended: August 1, 1991

By direction of the Administrator

(Signature)

Acting Manager, Special Certification Branch
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)

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA4762NM

The conditions and limitations of Type Certificate Data Sheet No. A1CE apply except as follows:

This Continuation Sheet, which is part of STC No. SA4762NM, prescribes conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: **Madras Air Service**

The following Model aircraft as modified by STC No. SA4762NM:

I	Model 19A	Gross weight: Normal - 2205 lbs.; Utility - 1905 lbs.
II	Model B19	Gross weight: Normal - 2150 lbs.; Utility - 1905 lbs.
III and IV	Models M19A and 23	Gross weight: Normal - 2205 lbs.; Utility - 1905 lbs.
V	Model A23	Gross weight: Normal - 2235 lbs.; Utility - 1935 lbs.
VI	Model A23A	Gross weight: Normal - 2285 lbs.; Utility - 1975 lbs.
VII	Model A23-19	Gross weight: Normal - 2235 lbs.; Utility - 1935 lbs.
VIII	Model A23-24	Gross weight: Normal - 2425 lbs.; Utility - 2100 lbs.
IX	Model B23	Gross weight: Normal - 2330 lbs.; Utility - 2015 lbs.
X	Model C23	Gross weight: Normal - 2450 lbs.; Utility - 2015 lbs.
XI	Model A24	Gross weight: Normal - 2425 lbs.; Utility - 2100 lbs.

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FAA FORM 8110-2-1 (10-69)

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United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA4762NM

The following Model aircraft as modified by STC No. SA4762NM: (continued)

XII	Model A24R Gross weight: Normal - 2615 lbs.; Utility - 2265 lbs.
XIII and XIV	Models B24R and C24R Gross weight: Normal - 2615 lbs.; Utility - Not applicable
Note 1:	In addition to the changes required above, the aircraft Weight and Balance Report must be revised as follows at the time of modification: "Weight of wing tips 11.0 lb. total; deduct weight of the tip being removed and add the difference to the aircraft empty weight. The moment change is negligible."
Note 2:	All of the maximum gross weight placards called for by NOTE 2 of TCDS No. A1CE must be revised to show the new maximum gross weights specified in Sections I through XIV.

- END -

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 8110-2-1 (10-69)