United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA4146NM

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 23 *of the* Federal Aviation *Regulations.* Including Amendments through 23-16, effective February 14, 1945.

Original Product—Type Certificate Number: A18SO

Make: Piper

Model: PA-38-112

Description of Type Design Change: Installation of Madras Air Service Model No. 110 Wing Tips in accordance with Madras Air Service Installation Instructions No. 110, dated February 16, 1988 for the Demers "Super Tip" and Drawing No. MAS 110, dated January 23, 1987 and Amended February 11, 1988 or later FAA approved revisions.

Limitations and Conditions: Approval of this change in type design applies to the above models aircraft only. 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 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: January 5, 1987

Date of issuance: April 15, 1988

Date reissued:

Date amended:

By direction of the Administrator

William B Ashworth

(Signature)

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)