United States of America

Department of Transportation — Federal Aviation Administration

# Supplemental Type Certificate

*Number* SA3822NM

*This certificate, issued to* Bert Morgan

*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* 8 *of the* Civil Air *Regulations,* as amended on March 19, 1957

*Original Product — Type Certificate Number:* 1A16

*Make:* Schweizer (Gruman)

*Model:* G-164B, G-164C and G-164D

*Description of Type Design Change:* Installation of extended wing tips in accordance with Bert Morgan Installation Instructions, Report No. 1, Revision C, dated August 1989, and Master Drawing List No. 164-B, C and D, Revision C dated May 6, 1989, or later FAA approved revisions.

NOTE: This STC does not cover G-164D aircraft with 73-inch wing gap.

*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 FAA Approved Pilot's Operating Handbook Supplement, if applicable, dated November 7, 1989, or later 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:* March 17, 1986

*Date of issuance:* April 3, 1987

*Date reissued:*

*Date amended:* November 7, 1989; June 28, 1990

*By direction of the Administrator*

Stewart R. Miller

*(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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# Supplemental Type Certificate

(Continuation Sheet)

*Number* SA3822NM

LIMITATIONS AND CONDITIONS: (CONTINUED)

Model G-164B S/N 709B and up, G-164C, and Model G-164D require a Pilot's Operating Handbook Supplement (POHS) changing airspeed limits as follows:

| | | |
|---|---|---|
| G-164B, S/N 709B and up | $V_{NE}$ (Never Exceed) | 132 mph/115 KTS |
| G-164C, S/N 1C and up | $V_{NE}$ (Never Exceed) | 132 mph/115 KTS |
| G-164D, S/N 1D and up | $V_{NE}$ (Never Exceed) | 132 mph/115 KTS |

Required Placards: Install in plain view of pilot.

| | | |
|---|---|---|
| G-164B, S/N 709B and up | $V_{NE}$ (Never Exceed) | 132 mph/115 KTS |
| G-164C, S/N 1C and up | $V_{NE}$ (Never Exceed) | 132 mph/115 KTS |
| G-164D, S/N 1D and up | $V_{NE}$ (Never Exceed) | 132 mph/115 KTS |

NOTE: This aircraft is exempt from FAR 36 Appendix G acoustic change findings under the provisions of FAR 21.93(b)(3)(i).

*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)