

NEW (2004) EDITION

Aluminum Association of Florida



Guide to Aluminum Construction in High Wind

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The AAF Guide to Aluminum Construction in High Wind Areas

This complete guide details the construction of aluminum-framed patios and related structures in compliance with the new Florida Building Code*. It covers pool enclosures, screened rooms, car-ports, patio covers, mobile home roof-overs, glass rooms, guardrails, screened walls with or without guardrails, and lumber-framed utility sheds. The information presented includes product characteristics, engineered (allowable) spans, and construction fastening and connection details

**The Guide has been adopted for inclusion in Chapter 20 of the Florida Building Code as a prescriptive document.*



What's Inside the Guide

- Chapter 1: Screen Enclosures – Pool Enclosures
Screen Walls & Roof
- Chapter 2: Screen Room
Screened Walls & Solid Roof
- Chapter 3: Screened Walls & Balconies
Screened Walls with or without Guardrails
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Solid Walls & Solid Roof (Enclosed Structures)
- Chapter 5: Carports/Patio Covers – Attached
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- Chapter 8: Mobile Home Roof-Overs
Secondary Covers over Mobile Homes
- Chapter 9: Utility Sheds
Frame Walls & Solid Roof
- Appendix 1: Section Properties
Shapes
- Glossary: Definition of Terms
- Tables: Exposure C Tables

**Now adopted by
the Florida Building
Commission**

About the Authors

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RAMMS Engineering

Robert Monsour graduated from the University of Miami with a B.S.A.E. (Architectural Engineering) in 1959. After serving in the U.S. Army, he worked designing lumber trusses. He began doing aluminum frame design work in 1967. In 1985, he started RAMMS Engineering, which is devoted primarily to the design of aluminum structures in South Florida. Bob is a Certified Residential Contractor and a Registered Professional Engineer in Florida and six other states.

David Miller
Specialty Structure Design

David Miller graduated from the University of Louisville with a B.A. in Economics (1967). After serving in the U.S. Navy, he began working as a construction superintendent in 1972. He began working in the aluminum trade in 1975 and became owner/president of Aluminum Construction of Jacksonville in 1978. He sold the company in 1996 and became an aluminum design consultant. He is a Certified Building and Specialty Structure Contractor. He has been active in the AAF as a State Officer and/or Committee Chair, for the past 15 years, and he has served as Chairman of the AAF's Technical Committee for the past six years.