

R301.2.1.1.1 Aluminum structure design.

The AAF *Guide to Aluminum Construction in High-Wind Areas* shall be permitted for the construction of the aluminum structures therein addressed. Screen enclosures shall be permitted to be designed in accordance with the *Florida Building Code, Building* Section 2002. Wind speeds shall be as for **Risk Category I of Figure 1609.3(4) of the Florida Building Code, Building**. Vinyl, tempered glass, and acrylic panels shall be permitted and shall be removable. Removable panels shall be identified as removable by a decal. The identification decal shall essentially state: “Removable panel SHALL be removed when wind speeds exceed 75 mph (34 m/s).” Decals shall be placed such that the decal is visible when the panel is installed.

What is the AAF Guide?

The 2020 Florida Building Code, both Building and Residential volumes, have provisions stating that the AAF Guide:

“SHALL BE ACCEPTED AS CONFORMING TO ACCEPTED ENGINEERING PRACTICES.”

This design guide is a prescriptive design method which, by Florida Statute 489.113(9), does not require the involvement of a professional engineer in order to design one of the structures covered by the guide.

With the exception of the wood framed utility shed, these are aluminum framed structures and these sections include:

1. Screened swimming pool enclosures (including mansard beams);
2. Patio screen rooms (screen walls, solid roofs);
3. Screened walls in lanais (covered but unenclosed patios), and screened balconies;
4. Glass rooms (also known as Florida rooms or sunrooms);
5. Attached patio covers or carports;
6. Free-standing patio covers or carports;
7. Railing systems; AND,
8. Secondary covers (sometimes known as roof-overs) for mobile homes;
9. Wood framed utility sheds (with aluminum roofs).