

427 Kings Mill Road York, PA 17403

27 September 2005

Alan F. Hoying, Technical and Codes Engineer Alcoa Home Exteriors 2600 Campbell Road Sidney, Ohio 45365-0132

RE: Aluminum Siding, Traditional Select, Florida building Code 2004

Dear Alan:

The following Alcoa Aluminum siding product; Traditional Select 8" has been evaluated by comparative analyses to testing at Architectural Testing, Inc. as reported in ATI-14787-2, in conformance with Dade County Protocol PA 202-94. The material thickness is 0.024 inches, which is greater than the minimum required in Florida Building Code 2004, TABLE 1405.2. The siding configuration is single 8 inches, with 8 inch exposure. The Alcoa Product Code/Description for this siding is 8NA. This siding conforms to the requirements of AAMA 1402 as stated in FBC 2004, 1404.5.1.

The allowable design wind pressures for this product are \pm 119 psf based on a factor of safety of 1.5 and a pressure equalization factor of 0.5. Stud spacing must be 16". Fasteners are either aluminum or galvanized steel nails 1-1/2" long with 3/8" diameter heads and 1/8" diameter shanks. Fastener spacing must be 16" horizontal by 8" vertical, with all fasteners penetrating studs. Nailable sheathing must be placed behind the siding that is at least $\frac{1}{2}$ " thick. If non-nailable sheathing is used, increase nail length by thickness of sheathing.

The above allowable design wind pressures are in conformance with Florida Building Code 2004, Tables 1609.6B and 1609.6D and are good for the 150 mile per hour wind zone, Exposure C. I trust that this information is sufficient for your needs. If there are any questions about this, please contact me.

Sincerely yours;

Allen N. Reeves, P.E.

Chief Engineer
27 SEPTEMBER 2005

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