



Architectural Testing

15 October 2002

Mr. Marsh Fernbaugh, Director of Testing  
Alside, Window Company  
3773 State Road  
Akron, Ohio 44309-1365

RE: Wood Installation of 0601/0631 Double Hung Window, 4' 4" by 5' 1"

Dear Mr. Fernbaugh:

At your request, I have performed an installation fastener analyses into wood framed walls for Alside double hung windows, Model 0601/0631. The testing of the actual window was done under ATI project 05-30390.01. The fastener analyses provides a 4' 4" wide by 5' 1" high window with an allowable installation design wind pressure (D.P.) of +36.0 and - 50.0 psf.

To provide this D.P. in a wood framed wall requires 6, #8 screws, each 0.164" in diameter. There should be 3 screws through each window jamb frame, one near the top, one at the midheight, and one near the bottom. The minimum penetration of the screws into the supporting wood framing must be 1-5/32".

These results are appropriate for the size window stated in the first paragraph above, and any size smaller. If there are any questions about this analyses, please advise me.

Sincerely yours,

ARCHITECTURAL TESTING, INC.

*Allen N. Reeves*

Allen N. Reeves, P.E.

Director – Engineering Services

15 OCTOBER 2002

ANR:anr  
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