

January 27, 2014

Graham Wood Doors, Division of ASSA ABLOY, LLC
2510 19th Street SW
Mason City, IA 50401

RE: Conclusions for Acoustical Performance Evaluations on Frameworks 3-1/2" Type II (1-1/2" Trim) Aluminum Frame System

Dear Mr. Tom Rattay,

I have reviewed Architectural Testing reports on the testing of Frameworks 3-1/2" Type II (1-1/2" Trim) Aluminum Frame System. The following conclusions may be made for Acoustical Performance Evaluations from the physical tests conducted in the reports listed in each line item. The below conclusions are restricted to doors that range in size from 35" by 83" to 48" by 108".

1. The use of Frameworks 3-1/2" Type II (1-1/2" Trim) Aluminum Frame System shall contribute no loss to the STC performance when tested on doors containing an inoperable STC rating of 35 or lower using a steel frame filled with mortar. Reference ATI #D0832.02-113-11
2. The use of Frameworks 3-1/2" Type II (1-1/2" Trim) Aluminum Frame System shall contribute a one-point loss to the STC performance when tested on doors containing an inoperable STC rating of 36-39 using a steel frame filled with mortar. Reference ATI #D0832.03-113-11 and #D1359.01-113-11
3. The use of Frameworks 3-1/2" Type II (1-1/2" Trim) Aluminum Frame System shall contribute a three-point loss to the STC performance when tested on doors containing an inoperable STC rating of 40-46 using a steel frame filled with mortar. Reference ATI #D0832.04-113-11
4. The use of the tested Pemko seal set (S773, S44, PK404, 3692PK773) with the Frameworks 3-1/2" Type II (1-1/2" Trim) Aluminum Frame System shall contribute no loss to the STC performance when tested on doors containing an inoperable STC rating of 38 or lower using a steel frame filled with mortar. Reference ATI #D0832.05-113-11
5. The use of the tested Pemko seal set (S773, S44, PK404, 3692PK773) with the Frameworks 3-1/2" Type II (1-1/2" Trim) Aluminum Frame System shall contribute a one-point loss to the STC performance when tested on doors containing an inoperable STC rating of 39 using a steel frame filled with mortar. Reference ATI #D0832.06-113-11 and #D1359.02-113-11
6. The use of a 6" by 42" glass lite kit with 1/4" laminated glass shall contribute no loss to the STC performance when tested on doors containing an inoperable STC rating of 38 or lower using a steel frame filled with mortar. Reference ATI #D0832.06-113-11 and #D1359.01-113-11
7. The use of a 6" by 42" glass lite kit with 5/16" laminated glass with an 0.030" PVB interlayer shall contribute a one-point loss to the STC performance when tested on doors containing an inoperable STC rating of 38 or lower using a steel frame filled with mortar. Reference ATI #D0832.06-113-11 and #D1359.01-113-11

This conclusion is based on our 15 years of performing sound transmission loss tests on single and double door systems for many different door manufacturers. Please reference the APE-TAC-001 controlled document for more information regarding Acoustical Performance Evaluations.

Sincerely yours,

ARCHITECTURAL TESTING, INC.

Bradlay D. Hunt
Project Manager - Acoustical Testing