



June 3, 2013

Mr. J.D. Williams  
 CARDINAL COMMERCIAL PRODUCTS  
 4795 Shepherdsville Road  
 Louisville, Kentucky 40218

Re: CF-451T, CF-451, and CF-450 Framing Systems

Dear Mr. Williams;

Architectural Testing, Inc. (ATI) recently completed testing on the above mentioned system at our facility in Lithia Spring, Georgia. Testing was conducted per the requirements of the Florida Building Code (HVHZ) TAS 202 and AAMA 501. Below is a summary of the results obtained during testing:

Specimen #	Test Method	Test Conditions	Test Conclusion
C5554.01-550-44 (CF-451T) Exterior Glazed 146" (w) x 96-1/2" (h)	Air Infiltration Test (TAS 202 and ASTM E283)	1.57 and 6.24 psf	PASS
	Water Infiltration Test (TAS 202 and ASTM E331)	15 psf	PASS (before and after Design Pressure)
	Static Load Test (TAS 202 and ASTM E330)	+/- 35 psf Design Pressure	PASS
C5554.02-550-44 (CF-451) Exterior Glazed 146" (w) x 96-1/2" (h)	Air Infiltration Test (TAS 202 and ASTM E283)	1.57 and 6.24 psf	PASS
	Water Infiltration Test (TAS 202 and ASTM E331)	15 psf	PASS (before and after Design Pressure)
	Static Load Test (TAS 202 and ASTM E330)	+/- 35 psf Design Pressure	PASS
C5554.03-550-44 (CF-451T) Interior Glazed 146" (w) x 96-1/2" (h)	Air Infiltration Test (TAS 202 and ASTM E283)	1.57 and 6.24 psf	PASS
	Water Infiltration Test (TAS 202 and ASTM E331)	10 psf	PASS (before and after Design Pressure)
	Static Load Test (TAS 202 and ASTM E330)	+/- 35 psf Design Pressure	PASS
C5554.04-550-44 (CF-451) Interior Glazed 146" (w) x 96-1/2" (h)	Air Infiltration Test (TAS 202 and ASTM E283)	1.57 and 6.24 psf	PASS
	Water Infiltration Test (TAS 202 and ASTM E331)	15 psf	PASS (before and after Design Pressure)
	Static Load Test (TAS 202 and ASTM E330)	+/- 35 psf Design Pressure	PASS

Specimen #	Test Method	Test Conditions	Test Conclusion
C5555.01-550-44 (CF-450) Exterior Glazed 146" (w) x 120-1/2" (h)	Air Infiltration Test (TAS 202 and ASTM E283)	1.57 and 6.24 psf	PASS
	Water Infiltration Test (TAS 202 and ASTM E331)	12 psf	PASS (before and after Design Pressure)
	Static Load Test (TAS 202 and ASTM E330)	+/- 60 psf Design Pressure	PASS
C5555.02-550-44 (CF-450) Interior Glazed 146" (w) x 96-1/2" (h)	Air Infiltration Test (TAS 202 and ASTM E283)	1.57 and 6.24 psf	PASS
	Water Infiltration Test (TAS 202 and ASTM E331)	12 psf	PASS (before and after Design Pressure)
	Static Load Test (TAS 202 and ASTM E330)	+/- 60 psf Design Pressure	PASS

If you have any questions, please contact our office.

Sincerely,

**ARCHITECTURAL TESTING, INC.**

José E. Colón  
Director – Regional Operations