TEST REPORTS FOR BREEZWAY LOUVER WINDOWS

Breezway Technical Bulletin

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In early August Breezway returned to the National Certified Testing Laboratory (NCTL) in Everett, Washington to test out some new configurations and window styles that have been added to the Breezway product line. The first test was on the **ios® Window System** with a fixed lite/picture window configuration to gateway sizes. The test was performed for a specific project so the window was not taken all the way to destruction, however when it was stopped, it achieved the follow ratings:

- CW45 – with air infiltration of 0.1cfm, water penetration of 12.00psf

Breezway has often stated that the **ios® Window System** can achieve commercial ratings and by testing this picture window, these ratings have now been confirmed. Due to the ios® Window Frame being the same as what is used with Breezway Louver Galleries, it was decided to also test Breezway's new Stronghold® Clip in the ios® Frame. The new Stronghold® System has been designed for commercial and high rise applications as well as more secure residential applications. With this test the new Stronghold® System achieved the following:

- R55 – with a water penetration of 8.25psf

The last test to be performed was on Breezway's Structural Mullion and Coupler which combines two bays together. The reason behind the test was due to the issues faced when replacement windows are quoted to be fitted into existing high rise remodels. These windows that need to be replaced in such buildings are often too large to fit into an elevator, therefore they require an outside lift for installation which increases the construction costs greatly.

Breezway however, manufacture a "coupler" that can join two individual window bays together on site once they have been transported separately up the elevator. These frames can be installed from inside the building, with the glass being inserted once the window frame has been fitted. This approach can significantly reduce the construction cost by eliminating the need for an external lift. With the AAMA450-10 test we achieved the following:

- PG45 – with air infiltration of 0.1cfm, water penetration of 12.00psf.