

October 27, 2015

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JK World Enterprises Inc.

Letter Report #: 102319164COQ-001L1  
Project #: G102319164

### RE: Uniform Load Test Summary

Intertek had completed testing on a window frame assembly installed within the "Tigerloc" concrete wall system.

The concrete assembly was made up of 3 layers; 5-5/8" thick concrete, 2-7/8" thick PVC composite material, 3-1/8" thick concrete. The fixed window framing was 40-1/2" x 40-1/2" and was installed within a 42" x 42" opening using 3x fasteners, #10 x 1-1/2" flat head zinc screws, along each member. Fasteners were installed from the window frame members into the PVC composite material identified as "Tigerloc", spaced approximately 2" from the corners and 1x at mid-span.

Because no IGU was installed on this window unit, two layers of 3/4" spruce plywood was used over top of the window frame in order to ensure a uniform load across all frame members. Polyethylene film was also used over top afterwards to prevent excess air leakage. A 2x4 frame was installed on the opposite side to isolate the area around the window opening. Below are photos of the tested specimen.



The uniform load test was performed by gradually increasing the pressure until the point of failure. The system had loaded up to 490 psf before the fasteners had sheared.



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If you have any questions at this time please do not hesitate to call me at 604-528-8745.

Yours truly,

**INTERTEK TESTING SERVICES NA LTD.**

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