



Testing. Advising. Assuring.

Report No.: 19-06-B0003-C-TC-N

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“STX – Edge System” & “STX – Edgeless System” (Thickness of 3.5, 5.6, and 7.0mm):

At the request of Northern Facades, Exova was retained to evaluate an exterior panel system identified as the “STX Porcelain System” in accordance with ASTM E283, E331 and E330 as defined in Proposal Number 18-006-569583.

Summarized Test Results Exova Specimen No.: 19-06-B0003-1		
Test	Results	Results
Air Leakage ASTM E283-04 (2012)	Test Pressure, Pa (psf): 75 (1.57) Allowable Air Leakage, L/s·m ² (cfm/ft ²): 0.5 (0.1)	0.01 L/s m ² (<0.01 CFM/ft ²)
Water Penetration ASTM E331-00 (2016)	Test Pressure, Pa (psf): 720 (15.04) ⁽¹⁾	Pass
Uniform Load Structural ASTM E330-14	Test Pressure, Pa (psf): ±2160 (45.11)	Pass No permanent Deformation

⁽¹⁾ Seventy (70) 3 mm diameter holes were drilled through the Plexiglas substrate, equally spaced, 150 mm (6") above the drainage tracks. These penetrations were employed to simulate an air / water resistive barrier sheathing membrane imperfections in general accordance with AAMA 508-14, Section 5.2.2.

Note: This document is a courtesy summary of the test results that will be officially outlined in Exova Report Number: 19-06-B0003-C-N. This is not a comprehensive report. In future, please refer to these documents for detailed information pertaining to the test specimen configuration and construction details.

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