



Testing. Advising. Assuring.

Report No.: 19-06-B0003-A-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 AAMA 508-14 for pressure equalization behavior and water penetration resistance as outlined in Proposal number 18-006-569583.

Summarized Test Results Exova Specimen No.: 19-06-B0003-1		
Test	Results	Results
Pressure Equalization Behaviour AAMA 508-14, Section 5.5 – Referencing ASTM E1233 (Modified)	Did not exceed pressure differential and maximum time shift pulse	Meets Requirement
Water Penetration AAMA 508-14, Section 5.6 – Referencing ASTM E331-00 (16)	Test Pressure, Pa (psf): 720 (15.04)	Pass Less than 5% of wetted area
Uniform Load Structural AAMA 508-14, Section 5.7 – Referencing ASTM E330-14	Test Pressure, Pa (psf): ±2160 (45.11)	Pass No permanent Deformation
Dynamic Water Penetration AAMA 508-14, Section 5.7 – Referencing AAMA 501.1-05	Test Pressure, Pa (psf): 300 (6.24)	Pass Less than 5% of wetted area

⁽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-A-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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