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## Notice to members of the Ontario Association of Architects

Effective 1 July 2002 the Ontario Association of Architects has published the “*Rain Penetration Control Guide*”. The Guide identifies the “Three D” (Deflection, Drainage and Drying) approach as the Canadian holistic approach to rain penetration control. This document prepared by Dr. John Straube, University of Waterloo, covers a lot of research and learning from the past decade and before. The *Rain Penetration Control Guide* covers **all** cladding materials including Exterior Insulation and Finish Systems (EIFS).

Sto Corp. is pleased to note that there are several CCMC evaluated Sto systems that meet the matrix of recommended systems defined in the guide. All of Sto’s details emphasize deflection as the principal method of controlling rain penetration. The effectiveness of these details has been confirmed in testing conducted at Intertek Testing Services, Coquitlam, BC in 1998. At that time Sto tested 41 standard details at 300 Pa pressure for two hours. In addition to deflection of water Sto provides a number of EIF systems that include secondary weather barriers and drainage. For extreme environmental conditions Sto offers two pressure-moderated rainscreen systems. The choice of systems that meet the recommendations of the *Rain Penetration Control Guide* is listed below.

	<b>Exposure A</b>	<b>Exposure B</b>	<b>Exposure C</b>
<b>Quality 1</b>	<b>Face Sealed*:</b> Sto Premier Sto Classic Sto Premier NC Sto Essence	<b>Dual Barrier/Drained Joints:</b> Sto Premier NExT Sto Classic NExT Sto Premier NExT NC Sto Signature Sto Essence NExT	<b>Dual Barrier/Drained Joints:</b> Sto Premier NExT Sto Classic NExT Sto Premier NExT NC Sto Signature Sto Essence NExT
<b>Quality 2</b>	<b>Dual Barrier/Drained Joints:</b> Sto Premier NExT Sto Classic NExT Sto Premier NExT NC Sto Signature Sto Essence NExT	<b>Dual Barrier/Drained Joints or Drained:</b> Sto Premier NExT Sto Classic NExT Sto Premier NExT NC Sto Signature Sto Essence NExT	<b>Drained:</b> Sto Premier NExT Sto Classic NExT Sto Premier NExT NC Sto Signature Sto Essence NExT
<b>Quality 3</b>	<b>Dual Barrier/Drained Joints:</b> Sto Premier NExT Sto Classic NExT Sto Premier NExT NC Sto Signature Sto Essence NExT	<b>Drained:</b> Sto Premier NExT Sto Classic NExT Sto Premier NExT NC Sto Signature Sto Essence NExT	<b>Pressure Moderated**:</b>  Sto System Plus 1 RS Sto Signature PER

\* Face-sealed is not recommended for any architecturally designed applications.

\*\* Pressure moderated systems are generally more complex installations and require added attention to detail.