

**RICE**  
**ENGINEERING**

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9/27/2017

Carter Architectural Panels Inc  
221 E. Willis Road Bldg A #18  
Chandler, AZ 85286

Project: R17-09-311 Carter AAMA 508/509 Letter

Attn: Joel McKinley

Mr. McKinley,

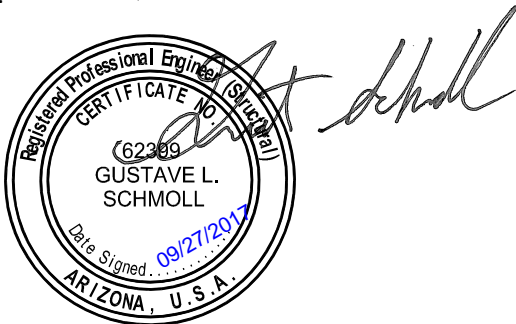
Rice Engineering, Inc. (REI) has performed a review of the Carter FUSION and EVO systems as it relates to compliance of AAMA 508-07 and AAMA 509-09. REI obtained AAMA 508-07 test results per Report Number 16-06-M0171-4 for the FUSION system and Number 16-06-M0171-2DR for the EVO system as conducted by Exova on July 3, 2016 and July 7, 2016 respectively.

Per results for the reports noted above, both FUSION and EVO systems meet the requirements of the AAMA 508-07 test methods for cavity pressure differential, time shift of pulse and static and dynamic water penetration. In general, the essential requirements are to prevent water entry through the entire wall and to eliminate water from being held within the panel system. Performance criteria for the AAMA 508-07 method indicates failure for presence of water appearing in excess of 5% of the air/water barrier (AWB) surface.

The AAMA 509-09 is intended for "Drained and Back Ventilated Rain Screen Wall Cladding Systems". There are no true pass/fail criteria for the AAMA 509-09 test method as it determines the volume of water present within the cladding assembly. The AWB is assumed to be designed, for this test method, as the primary weather protection as it is expected water will reach the AWB.

Considering the AAMA 508-07 test method restricts the amount of the water present behind the panel and AAMA 509-09 is a measure of the total volume of water present, it is the opinion of REI that the Carter FUSION DRILLFREE Extrusion System and EVO RIVETLESS System is more than acceptable to meet the AAMA 509-09 assuming the AWB is designed to provide the primary weather protection. Both the Carter FUSION and EVO system are acceptable to be utilized for either AAMA 508-07 or AAMA 509-09 specified panel systems.

Sincerely,



COA # : 11800-0

Gustave L. Schmoll  
Director – Cladding Division – Rice Engineering, Inc.