Architectural and Curtain Wall/Storefront Products Meeting

Georges Thiret (Graham), APG President
Scott Condreay (Hydro), APG Vice President

2019 Joint AAMA IGMA Summer Conference
Wednesday, June 19, 9:30 – 10:30 p.m.
Meeting Commencement

• Call to Order
• Introduce Media and Outside Organization Representatives
• Identify Any Topics to be Addressed in Members Only Session

For reference:
• To join any groups discussed during this meeting session, log into the AAMA website and visit that committee’s or task group’s page to request to be added to the roster.
Voting Guidelines

Yellow Badges – Architectural and Residential Products Groups
Orange Badges – Architectural Products Group only

See color bars on each slide:

For reference:
• Light Blue (Residential Products Groups only)
• White (non-voting members except at regional level)
• Green (industry organization, prospective member, press)
• Pink (registered spouse)
Agenda

Georges Thiret (Graham), APG President
Scott Condreay (Hydro), APG Vice President
Meeting Block Agenda Items

Discussion/Action Items

- **Architectural Window Council**
  - Joint AAMA/IGMA Prequalification Testing of Glazing Infill for Hurricane Products TG
    - Approve New Scope
- **Curtain Wall/Storefront Council**
  - CW-RS-1 Curtain Wall Rain Screen Task Group
  - ICC 500 Monitoring Work Group
- **Combined Architectural Window and Curtain Wall/Storefront Councils**
  - AAMA 508/509 Rain Screen Test Update Task Group
  - APG Marketing Committee
    - Review survey topic ideas
- **Fenestration Anchorage Systems (AAMA 2501/TIR-A14) Task Group**

New Business
- Form/Disband Groups; Discuss Dormant Groups
Task Group Meeting This Week

Methods of Test Committee Task Group Work Session

- Meeting on Thursday at 9:30 a.m.
- AAMA 501.9 Wall Mock-up Condensation Evaluation Work Group
- AAMA 515 Architectural Finite Element Thermal Modeling Task Group Update
- TIR-AXX Curtain Wall/Window Wall Spandrel Review Task Group
Reporting Items

Written reports provided in presentation slides only; no verbal reports are delivered

- AAMA TIR-A9 Update (Design Guide for Metal Cladding Fasteners)
- Architectural Window Council
  - TIR-A8 Thermal Barrier Task Group
- BIM (Building Information Modeling) Task Group (AAMA 912)
- Curtain Wall Manual Update Task Group
- Methods of Test Committee
  - Open Vent Safety Testing Task Group
Business of the Architectural Window Council

Doug Holmberg (Apogee Enterprises), 1st Vice President
Dennis Kelly (Graham), 2nd Vice President
Joint AAMA/IGMA Prequalification Testing of Glazing Infill for Hurricane Products Task Group

- AAMA Chair: Gregory McKenna (Kawneer)
- IGMA Chair: Robert Grommesh (Cardinal)
- AAMA Staff Liaison: Steven Saffell (AAMA)

**Actions Required:**
- Appoint Vice Chair
- Approve New Scope
  - **Old Scope:** To prequalify glazing units for use in hurricane prone areas.
  - **New Scope:** To develop a method of testing and or certification for glazing manufacturers to assure best practices for glass used in the hurricane impact market. Develop a method of testing and or certification for glazing manufacturers to assure best practices for glass used in the hurricane impact market.
Business of the Curtain Wall/Storefront Council

Greg McKenna (Kawneer), 1st Vice President
Bill Lang (Oldcastle BuildingEnvelope), 2nd Vice President
CW-RS-1 Curtain Wall Rain Screen Task Group

• Chair: Doug Holmberg (Apogee Enterprises)
• Vice Chair: Jim Larkin (Curtain Wall Design & Consulting, Inc.)
• AAMA Staff Liaison: Steven Saffell

• Scope: To update the CW-RS-1-12, "The Rain Screen Principle and Pressure-Equalized Wall Design," and review the RPC-00 to identify content of value.

For reference:

CW-RS-1, The Rain Screen Principle and Pressure-Equalized Wall Design
Task Group Update

• The task group continues to work through the initial review of CW-RS-1
• We are anticipating ballot to the task group prior to fall conference
ICC 500 Monitoring Work Group

• Chair: Dave Stammen (UL LLC)
• Vice Chair: Kurt Roeper (ASSA ABLOY America)
• AAMA Staff Liaison: Steven Saffell (AAMA)

• Scope: To participate in revising ICC 500, "ICC/NSSA Standard for the Design and Construction of Storm Shelters," to properly include fenestration products in place of AAMA 512.

For reference:
AAMA 512, Voluntary Specification for Tornado Hazard Mitigating Fenestration Products
ICC Committee Review Process to Update Current ICC 500-2014 Standard

• We are monitoring for any changes that could affect AAMA members

• Anticipated Completion for Public Review
  o End of Summer 2019
Ongoing Committee and Workgroup Meetings

• Progress was made to each chapter of the standard

• Main Items pertinent to AAMA members:
  
  o Definition of “Impact Resistant System” is being reviewed, since in a sense – all exterior envelope products (wall, roof, windows, doors, louvers, etc) are impact protective systems
  
  o Multiple proposals for adding clarity to the test procedures within Chapter 8 of standard (impact locations, pressure requirements, witness screen location on test specimen)
  
  o Increasing glass strength still requires testing (Stronger glazing could transfer the missile impact energy to other components of the assembly resulting in change of performance)

• Refer to ICC website for all minutes and progress of workgroups for more detailed information: https://www.iccsafe.org/products-and-services/standards-development/is-stm/
Business of the Combined Architectural Window and Curtain Wall/Storefront Councils

Doug Holmberg (Apogee Enterprises), 1st Vice President
Dennis Kelly (Graham), 2nd Vice President
AAMA 508/509 Rain Screen Test
Update Task Group

• Chair: Larry Livermore (Intertek)
• Vice Chair: Doug Holmberg (Apogee Enterprises)
• AAMA Staff Liaison: Steven Saffell (AAMA)

• Scope: Review and update AAMA 508 as needed.
  o Note: AAMA 509 is a companion document.

For reference:

AAMA 508, *Voluntary Test Method and Specification for Pressure Equalized Rain Screen Wall Cladding Systems*

AAMA 509, *Voluntary Test and Classification Method for Drained and Back Ventilated Rain Screen Wall Cladding Systems*
Task Group Update

• The task group continues to work through the initial review of AAMA 508, Voluntary Test Method and Specification for Pressure Equalized Rain Screen Wall Cladding Systems.
• This is a major update requiring considerable work.
APG Marketing Committee

• Chair: Chad Ricker (Technoform)
• Vice Chair: Josh Wignall (EFCO)
• AAMA Staff Liaison: Lori Benshoof (AAMA)

• Scope: Ensure the marketing activities of AAMA include the interests of the APG members.

Status:
• Topic ideas being developed to survey members for input on next project
• Survey to be sent following Summer Conference
Fenestration Anchorage Systems (AAMA 2501 and TIR-A14) Task Group

- Chair: Sarah Erickson (Apogee Enterprises)
- Vice Chair: Tanya Dolby (Kawneer)
- AAMA Staff Liaison: Steven Saffell (AAMA)

- Scope: To update AAMA 2501 and AAMA TIR A14.

For reference:
2501-06, *Voluntary Guideline for Engineering Analysis of Fenestration Anchorage Systems*
TIR A14-10, *Fenestration Anchorage Guidelines*
AAMA 2501 Ballot and TIR-A14 Review

• The ballot was successful, and all comments have been resolved. A motion to publish was approved.
  o The document is under final staff review and will be ready to publish soon. Anticipation is that this document will be held until TIR-A14 is complete as they work together.

• TIR-A14 has been updated to the new format and had an initial review of formulas. This document has been sent to the Architectural Products Group for an initial review and comment.
New Business
Form or Disband Groups; Discuss Dormant Groups

• Requires motion, second and vote from APG or RPG members (i.e., yellow, orange or light blue badges)

• Formation of task groups also requires:
  o Group name
  o Chair
  o Scope

• Initial rosters are established for newly formed task groups via the yellow form to be circulated during the meeting and then posted in the AAMA Conference Registration area
Other New Business?
Reporting Items
Reporting Items

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- AAMA TIR-A9 Update (Design Guide for Metal Cladding Fasteners)
- Architectural Window Council
  - TIR-A8 Thermal Barrier Task Group
- BIM (Building Information Modeling) Task Group (AAMA 912)
- Curtain Wall Manual Update Task Group
- Methods of Test Committee
  - Open Vent Safety Testing Task Group
Architectural Window Council

- First Vice President: Doug Holmberg (Apogee)
- Second Vice President: Dennis Kelly (Graham)
- AAMA Staff Liaison: Steven Saffell (AAMA)

**MISSION:** To act as an information provider and promoter of architectural windows in the fenestration and related building products industry. It shall also act as a provider of technical, regulatory, legislative, marketing, and certification support to insure that the appropriate standards are established, maintained, and communicated for the benefit of the users and suppliers of architectural window products.

- **Task Groups:**
  - Joint AAMA/IGMA Prequalification Testing of Glazing Infill for Hurricane Products Task Group
  - TIR-A8 Thermal Barrier Task Group
AAMA TIR-A9 (Design Guide for Material Cladding Fasteners) Task Group

• Chair: Tanya Dolby (Kawneer)
• Vice Chair: Sarah Noe (Apogee Enterprises)
• AAMA Staff Liaison: Steven Saffell (AAMA)

• Scope: To open the TIR-A9 to review and update the information on screw chase equations.
AAMA TIR A9 Update

• The task group has reviewed new section 15.
  o Section 15 deals with “screw pullout from screw chase”.

• A motion to ready for balloting to the Architectural Products Group has been approved.
TIR-A8 Thermal Barrier Task Group

• Chair: Patrick Muessig (Azon)
• Vice Chair: Chad Ricker (Technoform)
• AAMA Staff Liaison: Steven Saffell (AAMA)

• Scope:
  o Review thermal barrier composite testing in AAMA 505, TIR-A8 and QAG-1 and to expand Quality Assurance Guide Manual to include polyamide.
  o Create a voluntary specification that identifies the minimum performance requirements for qualifying polyamide profiles.

For Reference

AAMA 505, Dry Shrinkage and Composite Performance Thermal Cycling Test Procedures
AAMA TIR A8, Structural Performance of Composite Thermal Barrier Framing Systems
QAG-1, Quality Assurance Processing & Monitoring Guide for Poured and Debrided Polyurethane Thermal Barriers
Update

- The TIR-A8 is currently in the early stages of the update process and is out for initial review and comment to the task group.
BIM (AAMA 912) Task Group, Building Information Modeling

- Chair: Dan Luoma (Luoma Design Solutions)
- Vice Chair: Mike Turner (YKK AP America)
- AAMA Staff Liaison: Steven Saffell (AAMA)

- Scope: To revise the AAMA 912-13 BIM document to reflect current practices and progress of the industry in the area of BIM.

For reference:
AAMA 912, Voluntary Specification for Non-Residential Fenestration Building Information Modeling (BIM)
Update

• No action to report at this time
Curtain Wall Manual Update Task Group

• Chair: Dan Luoma (Luoma Design Solutions)
• Vice Chair: Gregory McKenna (Kawneer)
• AAMA Staff Liaison: Steven Saffell (AAMA)


Status:
• The document was published on June 10th
Methods of Test Committee

• Chair: Scott Warner (Intertek)
• Vice Chair: Greg McKenna (Kawneer)
• AAMA Staff Liaison: Steven Saffell (AAMA)

• Scope: Review and develop test methods as required by the APG.

• Task Groups:
  o AAMA 501.9 Wall Mock-up Condensation Eval. Work Group
  o AAMA 508/509 Rain Screen Test Update Task Group
  o AAMA 515 Arch. Finite Element Thermal Modeling Task Group
  o TIR-AXX Curtain Wall/Window Wall Spandrel Rev. Task Group
Methods of Test Committee Update

- AAMA 501.9 Wall Mock-up Condensation Eval. Work Group
  - The task group is resolving final details here at the conference and expects a Motion To Publish.
- AAMA 508/509 Rain Screen Test Update Task Group
  - The task group continues to work on the initial review of 508 and is making good progress.
- AAMA 515 Arch. Finite Element Thermal Modeling Task Group
  - The task group has three items to address from the most recent Product Group ballot.
- TIR-AXX Curtain Wall/Window Wall Spandrel Rev. Task Group
  - The task group continues to meet regularly and work through the initial review of TIR-AXX.
Open Vent Safety Testing Task Group

- Chair: Sarah Erickson (Apogee)
- Vice Chair: Dan Johnson (Intertek)
- AAMA Staff Liaison: Steven Saffell (AAMA)

- Scope: To review and/or develop test method for vent retention in high rise buildings.
Open Vent Safety Testing Task Group Update

• The task group continues to work through the initial draft of AAMA 50X.X, Standard Test Method for Retention of Operable Windows left in the unlatched or Open Position.