



MINUTES

U-Factor Subcommittee

Tuesday, July 21, 2009 / Wednesday, July 22, 2009

Under Technical Committee Block: 2:00 p.m. – 5:00 p.m.

Chair: *Michael Thoman, Architectural Testing, Inc.*

Vice Chair: *Mahabir Bhandari, Carli, Inc.*

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1. Chair called the meeting to order at 3:15 - antitrust reminder given and reviewed voting requirements
 2. Scott Hanlon (Staff) appointed recording secretary
 3. Minutes from March 2009 (Tucson, AZ) meeting were approved as presented.
 4. The agenda was reviewed and approved as presented
 5. Reports
 - a. Tubular Daylighting Devices Task Group – D. DeBlock reported that there are two projects in progress: peer review TG to review TDD calculation and skylight research, which is waiting for support from Velux.
 - b. Garage / Rolling Door Task Group – J. Hetzel reported that the simulation manual is in the process of being finalized. DASMA research affirms the procedures in NFRC 100 and NFRC 200. There is a review of the affects of the vertical jamb hardware and the need to possibly remove
 - c. Door Task Group – D. DeBlock reported that there is one negative to be discussed later. J. Baker discussed that there is a request to look at working developing standardized calculations for simulation labs and to please make sure the TG starts working on this task.
 - d. Testing Laboratory Task Group – M. Thoman has nothing to report.
 - e. Skylight Task Group – M. Thoman for R. LeBrun has nothing to report.
 6. Unfinished Business
 - a. Progress of work groups and 2010 document cycle –
 - i. J. Krahn reported that there is a Board TG which has nothing to report.
 - ii. M. Thoman reported that the work from these WG will need to be presented to the membership as a ballot starting in March 2010. These WG do not have the time to introduce simplification language for the initial 2010 ballots.
 - iii. None of the WG had anything to report.
 7. New Business
 - a. NFRC 100 Applied Films
 - i. Pella negative: 6.1.5.1

MOTION: L. Winkler / B. Shah moved to find the negative persuasive and editorial. Motion passes by unanimous voice vote.

- ii. Pella negative: General #1

MOTION: J. Hayden / D. DeBlock moved to find the negative persuasive and editorial. Motion passes by unanimous voice vote.

- iii. Pella negative: General #2

Withdrawn

- iv. WESTLab negative: General

Withdrawn

MOTION: R. Temple / D. DeBlock moved to include reference to NFRC 200 Section 5.7.7; and editorial changes to ballot. Motion passes by unanimous voice vote.

- v. JELD-Wen negative: Table 6-1

Withdrawn

- vi. Jeld-Wen negative: General

Withdrawn. Addressed by previous action.

- vii. Marvin negative: General

MOTION: L. Winkler / R. Temple moved to find the negative non-persuasive the motion. Motion fails: 14-14-8.

MOTION: J. Krahn / J. McFee moved to find the negative persuasive. Motion fails: 14-17.

MOTION: J. Hayden / J. Larsen moved the negative back to TG to reconsider the reference window. Motion passes: 20-13.

Chair requested that all remaining negatives and comments be forwarded to the TG for consideration.

- 8. The U-Factor SC meeting was adjourned for the day and will begin again on Wednesday at 7:30AM
- 9. Chair called the meeting to order at 7:34AM EDT to reconvene New Business.
 - a. L. Winkler received clarification of the TG's goal to use a reference window that can be built with generic profiles from an industrial supply store for the NFRC 100-2010 document.
 - b. NFRC 100 Attachment Ballot
 - i. Sunergy negative: General

MOTION: R. Simmons / D. DeBlock moved to find the negative substantive and persuasive and will strike all subsections referencing permeability, all other sections referencing TBD, and the reference to ASTM D737 will remain. Motion passes by unanimous voice vote.
 - ii. Sunergy negative: 4.3.3.4

MOTION: M. Cienian / W. DuPont moved to find the negative substantive and persuasive. Motion passes by unanimous voice vote.

- iii. QTI negative: 4.1.1 & 4.1.2

MOTION: R. VanVoorst / S. Strawn moved to find the negative substantive and persuasive and should be sent back to the TG to include the correct size references. Motion passes by unanimous voice vote.

- iv. QTI negative: Table 5-2

Addressed by previous action

- v. Alliance negative: 4.3.3.3

MOTION: N. Petermann / R. VanVoorst moved to find editorial and persuasive and to send the ballot to TG. Motion passes by unanimous voice vote.

- vi. Alliance negative: 4.3.3.4

Addressed by previous action

- vii. Alliance negative: Table 5-2

MOTION: N. Petermann / D. DeBlock moved to find substantive and persuasive and to send the ballot to TG and complete the table for the skylight. Motion passes by unanimous voice vote.

- viii. Alliance negative: Section 6

Addressed by previous action

- ix. Pella negative: General

MOTION: J. Hayden / D. DeBlock moved to find the negative substantive and persuasive and move back to TG. Motion passes by unanimous voice vote.

- x. Pella negative: 4.1.1

MOTION: J. Hayden / T. Rygg moved to find the negative editorial and persuasive. Motion passes by unanimous voice vote.

- xi. Pella negative: 4.1.1

MOTION: J. Hayden / T. DeBlock moved to find the negative editorial and persuasive. Motion passes by unanimous voice vote.

- xii. Pella negative: Table 5-2

Addressed by previous action

- xiii. Jeld-Wen negative: General

Withdrawn

- xiv. Andersen negative: General

MOTION: S. Johnson / R. VanVoorst moved to find the negative substantive and persuasive and to move back to TG and consider this

negative when determining the base case window(s). Motion passes: 21-5-6.

xv. WESTLab negative: General
Withdrawn. Addressed by previous action

xvi. Cardinal negative: General
Withdrawn. Addressed by previous action

xvii. The APC comments will be taken back to the TG for consideration.

c. NFRC 100 W6/T6

MOTION: J. Hayden / R. Temple moved to find the all negatives substantive and persuasive and to the send back to the TG. Motion passes by unanimous voice vote.

d. NFRC 100-2010

i. Jeld-Wen negative: General

MOTION: S. Strawn / D. DeBlock moved to find the negative substantive and persuasive. Motion passes: 0-0-0. Motion passes by unanimous voice vote.

ii. WESTLab negative: 5.2.4.D

MOTION: J. Baker / D. DeBlock moved to find the negative editorial and persuasive. Motion passes by unanimous voice vote.

iii. WESTLab negative: General

Withdrawn. Addressed by previous action

iv. Cardinal negative: General

Withdrawn. Considerations were presented to support the balloting process – use an older version of word for simplicity and to print the document out for review prior to posting to make sure that there are no errors (i.e., bookmark).

v. The Chair will take the remaining comments back to the TG for review.

MOTION: R. Temple / T. Rygg moved to approve all sections balloted except for Section 5.2.5 and Table 5-1 and 5-2 and move forward to the Technical Committee for approval. Motion passes by unanimous voice vote.

e. Simplifying Doors

i. R. VanVoorst brought forth a request that simulating and rating doors be simplified. Chair recommended that the Door TG have a meeting very soon.

10. Meeting Adjourned at 9:10 AM EDT.