



MINUTES

U-Factor Subcommittee

Tuesday, November 17, 2009 / Wednesday, November 18, 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 7:31 AM - antitrust reminder given and reviewed voting requirements
 2. Sherri Wendt (Staff) appointed recording secretary
 3. Minutes from July 2009 (Baltimore, MD) meeting were approved as presented.
 4. The agenda was reviewed and approved but order of events changed.
 5. Reports
 - a. Tubular Daylighting Devices Task Group – D. DeBlock reported that TDD continues to do work for VT. No action items to report. There will be minutes on the website once written up.
 - b. Garage / Rolling Door Task Group – J. Hetzel reported that they ran through unfinished business attachment research project was completed in the three phases, simulation, garage rolling door, moving on to investigate hardware and if it's going to effect the content of 100 and 102, there will be changes to the simulation manual as successful in last year. Looking into the published values in the 101 if affected values of thermo-physical values need to be investigated. There may be some other 24" in height for future language. There will be a standardize spreadsheet for simulation of garage doors and rolling doors.
 - c. Door Task Group – D. DeBlock reported that they are sending a recommendation to simulators to develop a universally accepted Door Spreadsheet. D. Anderson is going to prepare a first draft and submit to the TG. No action items to report.
 - d. Testing Laboratory Task Group – M. Thoman reported that ASTM C1199-09 was approved and is referenced in their ballot. To discuss at next meeting.
 - e. Skylight Task Group – R. LeBrun had nothing to report. R. Van Voorst asked the group to look at it for it requires an R5 curb to rate skylights the same in NFRC. ASHRE 90.1 also calculates on an R5 curb.
 6. Unfinished Business
 - a. None
 7. New Business
 - a. NFRC 100 Garage-Rolling Door Ballot
 - i. Newpro Manufacturing negative: General

MOTION: J. Hetzel / D. DeBlock Motion to find the negative non-persuasive. Motion passes by unanimous voice vote.

b. NFRC 100 DASD

- i. Ballot was approved with no comments.

MOTION: D. DeBlock / M. Cienian. Motion to approve the language and move up to technical committee for approval into the 100-2004 and the 100-2010 document with implementation upon publication. Motion Passes: 9-5-14

c. NFRC 100 Window6/Therm6 Software Ballot

- i. Architectural Testing negative: General

MOTION: M. Thoman / J. Hayden moved to find the negative persuasive. Motion passes by unanimous voice vote.

- ii. Pella negative: General

Handled by previous action.

- iii. Carli negative: 4.3.1.C.ii

MOTION: J. Hayden / R. Temple moved to find the negative persuasive and move back to task group. Motion passes by unanimous voice vote.

- iv. Carli negative: 4.3.1.C.iii

Handled by previous action.

- v. Carli negative: References

Handled by previous action.

d. NFRC 100 Validation Matrix

- i. WESTLab negative: 4.2.3.1.D.

MOTION: S. Kumar / R. Temple moved to find the negative persuasive and editorial. Motion passes by unanimous voice vote.

- ii. Carli approve with comment:

No actions were taken.

MOTION: R. Temple / S. Kumar motion to move up to Technical Committee for approval into 100-2010 document with implementation upon publication. Motion passes by unanimous voice vote.

e. NFRC 102-2010

- i. Ballot was approved with no comment.

MOTION: J. Hayden / R. Temple moves to forward the NFRC 102-2010 ballot to Technical Committee for approval with implementation upon publication. Motion passes by unanimous voice vote.

f. Progress of NFRC 100-2010 document cycle

- i. ODL, Inc. approve with comment: Table 5-1

MOTION: J. Hayden / R. Temple moved to find comment non-persuasive but to change the ¼ lite designation to include everything less than 410 sq. in. and send language back to Task Group for verification. Motion passes by unanimous voice vote.

MOTION: R. Temple / D. DeBlock moved to forward the NFRC 100-2010 ballot to Technical Committee for approval with implementation upon publication. Motion passes by unanimous voice vote.

g. NFRC 100 Applied Films

- i. Andersen negative: general #1

MOTION: L. Wrinkler / D. Smith moved to find negative non-persuasive. Motion passes by unanimous voice vote.

- ii. Andersen negative: general #2

MOTION: L. Wrinkler / D. Smith moved to find negative non-persuasive. Motion passes: 20-7-4

- iii. Cardinal Glass negative: Table 5-4

MOTION: L. Wrinkler / M. Cienian moved to find negative non-persuasive. Motion Passes: 22-13-10

- iv. Alliance to Save Energy negative: Tables 5-3 and 5-4

MOTION: L. Winkler / D. Smith moved to find negative non-persuasive. Motion Passes: 19-14-9

- v. LBNL approve with comment: Table 5-3 and 5-4

Editorial. Corrections will be made.

- vi. Hunter Douglas approve with comment: General

NFRC Staff to correct language to remove “fenestration attachment” and change to “applied films” in the 100 and 200 documents.

- vii. WESTLab approve with comment: General

No action was taken.

- viii. Marvin Windows approve with comment: General

Recommend that there is a paper to clarify what is situation.

MOTION: L. Winkler / D. DeBlock moves to forward the NFRC 100-Applied Films ballot to Technical Committee for approval into the 100-2010 document with implementation upon publication. Motion Passes: 24-8-9

- h. S. Kumar stated that standard sizes penalize the manufacturer and consumer. Request to fix this in the rating system by forming a task group. Only for window products, not for doors. For one size for all windows.

- Chair approves the request and open discussions to form a goal for the task group.

- a. Task Group Formed

- b. Focus/Scope: Looking at table 4-3, all windows should be rated at the same size. Focus primarily on casement/awning sizes where there's a discrepancy, no other windows have a
 - c. Lead/Attendees. M. Manteghi, S. Kumar, B. Hensley, J. Hayden, J. Holmes, M. Barclay, M. Nau, B. Amberg, C. Curcchia, M. Falke, C. Nolt.
8. The U-Factor SC meeting was adjourned at 9:45 AM.