

NOTES

Spandrel Validation Task Group

March 21, 2023

10:00am PDT

Chair: Jean-Michel Dussault, Veridis Solutions

1. T. Reid called the meeting to order at 10:08 am PDT.
2. S. Hanlon was appointed recording secretary.
3. The agenda was reviewed and approved as presented.
4. New Business
 - a. Area-weighting for U-factor and SHGC Benchmark Sheet
 - i. The October 2022 version of the simulation manual has been updated to include the modeling of spandrel products.
 - ii. D. Anderson explained the reason for the benchmark spreadsheet is that WINDOW cannot calculate spandrel products which uses 10" for spandrel edges.
 - iii. The sheet was verified by J.M. Dussault using an SGD and compared to WINDOW.
 - iv. This sheet can also be used by NFRC accredited labs to verify proprietary spreadsheets for certification.
 - v. D. Anderson will bring the verified benchmark spreadsheet to the APC for inclusion in LAP requirements. This is similar to the same logic applied to the Door benchmark spreadsheet.
 - vi. LBNL will investigate including the option to modify the edge-of-glass size in WINDOW v8.
 - b. Default value for "categories" of different spandrel systems
 - i. T. Culp explained the proposal for IECC Commercial 2024 default U-factor for spandrel panels.
 - ii. G. McKenna discussed that the proposal is to provide designers guidance on the spandrel's ratings.
 - iii. D. Anderson discussed the concerns that the proposal's is based on assumptions and not simulations and recommended that NFRC develop three default CW systems with the different spandrel types for recommended values. NFRC (K. Louder) will investigate if the CTA methodology may be useful to support the research.
 - iv. M. Bhandari will provide J.M. Dussault information from TC 4.5 research.
 - c. CTA with spandrel panel system rating values
 - i. J.M. Dussault informed the task group that will continue to work with K. Louder on the CTA methodology with the use of spandrel products.
5. The meeting was adjourned at 10:41 am PDT.