

Exterior Products Codes Committee Meeting

Chair: Steve Schreiber

June 14, 2022

2:45-3:45 PM

Minneapolis InterContinental Hotel- Passport I

- 1. Call to Order**
- 2. Attendance/Determination of Quorum**
- 3. Antitrust reminder**
- 4. Review and approve agenda**
- 5. Business of the meeting:**
 - a) EPCC Membership (Schreiber) (1)**
 1. Members
 2. Chair
 3. Vice-Chair
 - b) IECC progress update (Drumheller) (2)**
 - c) ICC Group B Update (Drumheller) (3)**
 - d) Gap Analysis Update (Hayden) (4)**
 - e) ENERGY STAR Update**
- 6. New Business**
- 7. Review and Approve the Minutes**
- 8. Adjourn**

Attachments:

- (1) EPCC Roster
- (2) IECC Proposal Status
- (3) ICC Group B Proposal Status
- (4) Gap Analysis

Exterior Products Codes Committee Roster

1-Jun-22

Name		Company	Category	Voting Status
Mark	Mikkelson	Andersen Windows, Inc.	M	Primary
Jim	Larsen	Cardinal Glass Industries, Inc.	S	Primary
Steve	Strawn	JELD-WEN, Inc.	M	Primary
John	Budzynski	Kolbe & Kolbe Millwork Co., Inc.	M	Corresponding
Jason	Doepke	Kolbe & Kolbe Millwork Co., Inc.	M	Corresponding
Greg	Sattler	Kolbe & Kolbe Millwork Co., Inc.	M	Primary
Sue	Schreiber	Kolbe & Kolbe Millwork Co., Inc.	M	Alternate
Brad	Fevold	Marvin Windows and Doors	M	Primary
David	McDonald	Marvin Windows and Doors	M	Alternate
Tank	Reid	Masonite International Corporation	M	Corresponding
Rossen	Marinov	Masonite International Corporation	M	Alternate
Steve	Schreiber	Masonite International Corporation	M	Chair
Joe	Hayden	Pella Corporation	M	Primary
Travis	Arthur	Ply-Gem	M	Primary?
Adam	Blomberg	Ply-Gem	M	Primary?
David	Sperandio	Quaker Window Products	M	Primary
Steve	Jasperson	Therma-Tru Corp	M	Primary
Val	Bach	Weather Shield Mfg., Inc.	M	Primary

2021 IECC Proposals - EPCC Summary									
									June 1, 2022
Proposal Number	Code	Section #	Section Title	Proponent	Representing	Description	WDMA Position	Committee Result	WDMA Win/Loss
CEPI-16 Part I	IECC- CE	SECTION 202	Information on Construction Documents	David Collins	SEHPCAC	Removes Opaque Doors from the definition of vertical fenestration	Neutral	As Modified	N/A
CEPI-16 Part II	IECC- RE	TABLE R402.1.2, R402.3, R402.5	Information on Construction Documents	David Collins	SEHPCAC	Removes Opaque Doors from the definition of vertical fenestration	Oppose	Disapprove	Win
CEPI-204	IECC- CE	C407.2	Insulation Installation Criteria	William Fay	Energy Efficient Codes Coalition	Creates backstops of 15% for building envelope components (U-Factor and SHGC)	Oppose	Disapprove	Win
CEPI-21	IECC- CE	C303.1.4	Insulation product rating	Darren Meyers	International Energy Conservation Consultants LLC	Removes the reference to CFR 460	Watch Oppose	Disapprove	Win
CEPI-20	IECC- CE	C303.1.3	Fenestration product rating	Helen Sanders	Facade Tectonics Institute	Requires the fenestration U-factor to be calculated based on the actual size of the fenestration	Oppose	Disapprove	Win
CEPI-210	IECC- CE	Table C407.4.1(1)	Insulation Installation Criteria	Helen Sanders	The Facade Tectonics Institute	Setting 10% U-factor backstops for fenestration in the performance path	Oppose	Disapprove	Win
CEPI-241	IECC- CE	CC103.1	Zero Energy Commercial Building Provisions Appendix	William Fay	Energy Efficient Codes Coalition	Creates backstops of the commercial energy code for net zero energy buildings	Watch Oppose	Disapprove	Win
CEPI-53	IECC- CE	SECTION 202 (New), TABLE C402.4, C402.4.3, C405.1.1	Vertical Fenestration and residential lighting requirements	Kimberly Newcomer	NBI	More stringent requirements for fixed and operable fenestration	Oppose		
REPI-06	IECC- RE	R103.2 (N1101.5)	Information on Construction Documents	Robby Schwarz	Colorado Chapter of the ICC	More stringent Fenestration U-Factor for walls with greater than 15% WCFAs	Significant Oppose	Disapprove	Win
REPI-16	IECC- RE	R401.2	Application	Greg Johnson	Johnson & Associates Consulting Services	Alternative compliance path based on equipment sizing	Oppose	Withdrawn	Win
REPI-17	IECC- RE	SECTION 202 (New), R401.2, R401.3, R402.4.4, R404.1.2, R408.2.2, R408.2.3	Electrification	Kim Cheslak	NBI	Proposal mandating all electric houses	Oppose		
REPI-22	IECC- RE	R401.2.5, R406.3.1, R406.3.2	Additional Energy Efficiency	Amanda Hickman	Leading Builders of America	Removes the double requirement of energy efficiency measures	Oppose	Disapprove	Win
REPI-27	IECC- RE	TABLE R402.1.2, TABLE R402.1.3, R402.1.2.1 (New), TABLE R402.1.2.1 (New)	Table R402.1.2 Fenestration Requirements	seth wiley	architect, self	More stringent Fenestration U-Factors, and projection factor SHGC tradoff table	Significant Oppose	Disapprove	Win
REPI-28	IECC- RE	TABLE R402.1.2, TABLE R402.1.3	Table R402 Fenestration Table	Thomas Culp	Glazing Industry Code Committee	More stringent Fenestration U-Factors similar to Energy Star V6	Significant Support	As Modified	Win
REPI-29	IECC- RE	TABLE R402.1.2, TABLE R402.1.3	Table R402.1.2 Fenestration Requirements	Mark Lyles	New Buildings Institute	More stringent Fenestration U-Factor paralleling Energy Star Version 7 Draft 1	Oppose	Disapprove	Win
REPI-30	IECC- RE	TABLE R402.1.2, TABLE R402.1.3	Reformatting Fenestration Table	John Woestman	Extruded Polystyrene Foam Association	Transposes U-Factor and R-Value Tables	Support	As Modified	Win
REPI-31	IECC- RE	TABLE R402.1.2, TABLE R402.1.3	Fenestration U-Factors	Dan Wildenhaus	Northwest Energy Efficiency Alliance	More stringent Fenestration U-Factors similar to Energy Star V7.0	Significant Oppose	Disapprove	Win
REPI-54	IECC- RE	TABLE R402.4.1.1	Information on Construction Documents	Robby Schwarz	Colorado Chapter of the ICC	Installation requirements for fenestration	Oppose	As Modified	Loss
REPI-56	IECC- RE	R402.4.1.1, TABLE R402.4.1.1, R402.4.1.2	Insulation Installation Criteria	Mark Lyles	New Buildings Institute	More stringent Insulation Installation Criteria for most building components	Oppose	As Modified	Loss
REPI-167	IECC- RE	R401.2.5, TABLE R402.1.2, TABLE R402.1.3, SECTION R408	Comprehensive proposal- cost effective prescriptive table and additional options for section 408	Aaron Vander Meulen	Vander Meulen Builders/President; Thomas Marston, representing Self	Change prescriptive table and add items to section 408	Watch Oppose		

2022 Group B Proposals - Committee Action Hearing - EPCC Summary								
Proposal Number	Code	Section #	Section Title	Proponent	Reps	Description	WDMA Position	CAH Results
ADMIN								
ADM15-22 Part I	IBC	104.9	Listed Compliance	Chris Chwedyk	Compliance Code Action Committee	This proposal adds new language for Listing and Labeling stating that equipment and devices shall be certified as complying with those standards by an approved agency. This is a two-part proposal with Part I affecting the IBC and Part II affecting the IRC. Part I to be heard by the Admin Committee.	Oppose	Disapprove
ADM15-22 Part II	IRC	104.9	Listed Compliance	Chris Chwedyk	Compliance Code Action Committee	This proposal adds new language for Listing and Labeling stating that equipment and devices shall be certified as complying with those standards by an approved agency. This is a two-part proposal with Part I affecting the IBC and Part II affecting the IRC. Part II to be heard by the IRC Building Committee.	Oppose	Disapprove
ADM21-22	IBC	104.1.1	Listed Compliance	Manny Muniz	self	This proposal adds a new section to clarify that when a product is required to be listed and installed per the listing and the manufacturer's instructions. Part of a series of three proposals (ADM21, ADM22, ADM23), this language is included in the IBC.	Oppose	Disapprove
ADM22-22	IEBC	104.1	Listed Compliance	Manny Muniz	self	This proposal adds a new section for Listed Compliance to clarify when a product should be based on a test standard or approved listing evaluation, and be installed according to the listing and manufacturer's instructions. Part of a series of three proposals (ADM21, ADM22, ADM23), this language is included in the IEBC.	Oppose	Disapprove
ADM23-22	IFC	104.2.1	Listed Compliance	Manny Muniz	self	This proposal adds a new section to clarify when a product should be listed based on a test standard or approved listing evaluation. A listed product shall be installed in accordance with the listing and manufacturer's instructions. Part of a series of three proposals (ADM21, ADM22, ADM23), this language is included in the IFC.	Oppose	Disapprove
ADM30-22	IBC	104.11.1	Research Reports	Manny Muniz	self	This proposal revises the section on Research Reports to require supporting data, where necessary in the approval of materials, to consist of reports from approved agency accredited to evaluate or certify products. It also adds that the alternative method and product evaluated to be within the scope of accreditation with the credit used for evaluation referenced in the report. Part of a series of five identical proposals (ADM30, ADM31, ADM32, ADM33, RB13), this language is included in the IBC.	Significant Oppose	Disapprove
ADM31-22	IEBC	104.11.1	Research Reports	Manny Muniz	self	This proposal revises the section on Research Reports to require supporting data, where necessary in the approval of materials, to consist of reports from approved agency accredited to evaluate or certify products. It also adds that the alternative method and product evaluated to be within the scope of accreditation with the credit used for evaluation referenced in the report. Part of a series of five identical proposals (ADM30, ADM31, ADM32, ADM33, RB13), this language is included in the IEBC.	Significant Oppose	Disapprove

ADM32-22	IFC	104.10.1	Research Reports	Manny Muniz	self	This proposal revises the section on Research Reports to require supporting data, where necessary in the approval of materials, to consist of reports from approved agency accredited to evaluate or certify products. It also adds that the alternative method and product evaluated to be within the scope of accreditation with the credit used for evaluation referenced in the report. Part of a series of five identical proposals (ADM30, ADM31, ADM32, ADM33, RB13), this language is included in the IFC.	Significant Oppose	Disapprove
ADM33-22	IWUIC	105.3	Research Reports	Manny Muniz	self	This proposal revises the section on Research Reports to require supporting data, where necessary in the approval of materials, to consist of reports from approved agency accredited to evaluate or certify products. It also adds that the alternative method and product evaluated to be within the scope of accreditation with the credit used for evaluation referenced in the report. Part of a series of five identical proposals (ADM30, ADM31, ADM32, ADM33, RB13), this language is included in the IWUIC.	Significant Oppose	Disapprove
ADM45-22 Part I	IBC	110	Use and Change of Occupancy	Joseph Summers	ICC Region IV	This proposal adds a new section for Certificate of Approval allowing the building official to issues approval for substantial compliance with the requirements of the code in lieu of a Certificate of Occupancy for work such as replacing window, doors, etc. This is a series of two proposals (ADM45 Part I and II). This impacts the IBC.	Watch Support	As Submitted
ADM45-22 Part II	IRC	110	Use and Change of Occupancy	Joseph Summers	ICC Region IV	This proposal adds a new section for Certificate of Approval allowing the building official to issues approval for substantial compliance with the requirements of the code in lieu of a Certificate of Occupancy for work such as replacing window, doors, etc. This is a series of two proposals (ADM45 Part I and II). This impacts the IRC.	Watch Support	As Submitted
ADM52-22	IBC	Chapter 44	Reference Standards	ICC	ICC	This proposal updates the Referenced Standards, which are done administratively and processed as a code change. This is accomplished by notifying each developer standard about the upcoming update.	Support	As Modified
IBC - GENERAL								
G8-22	IBC	403.2.2.3	Concrete, Masonry, and Glass Walls	Thom Zaremba	National Glass Association	This proposal revises the language for concrete and masonry walls for high rise buildings by adding glass walls. It provides scoping language for the impact requirements with referenced standards in order to avoid or limit the testing of glass walls.	Watch Support	As Submitted
IBC - STRUCTURAL								
S147-22	IBC	1709.5	Exterior Window and Door Assemblies	Craig Drumheller	WDMA	This proposal adds a second option of comparative analysis to be used for design pressures for exterior window and door assemblies to the IBC. The new option is a WDMA I.S.11 (2018) - Industry Standard for Voluntary Analytical Method for Design Pressure Ratings of Fenestration Products.	Support	As Submitted

S228-22	IBC	2405	Screening	Jennifer Hatfield	FGIA	This proposal revises the section on screening for sloped glazing and skylights to clarify the existing language on where they are required and how the screens must be installed for monolithic glazing or multiple layer glazing. It also corrects references clarifying that light-transmitting plastic wall panels is not germane to skylights and sloped glazing. FGIA asks for WDMA support during CAH.	Support	As Modified
S229-22	IBC	2406.1	Human Impact Loads	Thom Zaremba	National Glass Association Nicolas Resetar	This proposal revises the section on human impact loads for glazing to include all glass panes, single panes of glass, and panes in multi-pane glass assemblies. This addresses multi-pane assemblies that have their outermost panes marked as safety glazing, but the inner layer is annealed, which doesn't can break upon human impact.	Support	As Modified
S230-22	IBC	2406.4.3	Glazing in Windows	Gwenyth Searer	self	This proposal modifies exception #3 for the section on safety glazing in windows. This addresses the required height above grade, roof, or walking surface for outboard panes in insulating glass or multiple glazing (safety glazing). The bottom exposed edge is changed from 25-feet to 8-feet above grade, roof, walking plane.	Oppose	Disapprove
IEBC								
EB74-22	IEBC	505.2 and 702.4	Window Fall Prevention on Replacement Windows	Jennifer Hatfield and Craig Drumheller	FGIA and WDMA	This proposal revises the title from Window Opening Control Devices to Window Fall Prevention for replacement windows for Group R-2 and R-3 buildings to properly address and clarify that this is directly addressing fall prevention in replacement windows and not just specifically window opening control devices.	Support	As Modified
EB79-22	IEBC	702.4 and 702.5	Window Opening Control Devices on Replacement Windows	Mike Nugent	ICC BCAC	This proposal adds an exception that operable windows provided with fall prevention devices shall comply with ASTM F2090. It aims at addressing fall prevention devices and opening control devices which is already required to follow F2090. This proposal also revises another exception that permits the replacement window to be the same style as the existing window, or a style that provides for an equal or greater window opening than the existing window. BCAC is asking that WDMA support this proposal.	Support	Withdrawn
IRC Building								
RB7-22	IRC	Chapter 44	Existing Buildings and Structures	Sue Coffman	Washington Association of Building Officials	This proposal moves the language and sections in Appendix AJ to the main body of the IRC as Chapter 44 to provide an understanding of when to apply the code requirements of the IEBC vs. the IRC for existing buildings.	Watch Oppose	Disapprove
RB11-22	IRC	R104.2	Listed Compliance	Manny Muniz	self	This proposal adds a new section to clarify that when a product is required to be listed and installed per the listing and the manufacturer's instructions. Part of a series of three proposals (ADM21, ADM22, ADM23), this language is included in the IBC.	Oppose	Disapprove

RB13-22	IEBC	104.11.2	Research Reports	Manny Muniz	self	This proposal revises the section on Research Reports to require supporting data, where necessary in the approval of materials, to consist of reports from approved agency accredited to evaluate or certify products. It also adds that the alternative method and product evaluated to be within the scope of accreditation with the credit used for evaluation referenced in the report. Part of a series of five identical proposals (ADM30, ADM31, ADM32, ADM33, RB13), this language is included in the IRC.	Significant Oppose	Disapprove
RB46-22	IRC	R302.1	Exterior Walls	Timothy Pate	Colorado Chapter Code Change Committee	This proposal revises the requirements for exterior walls to add that fire-resistant rated exterior walls shall extend from the top of the foundation to the underside of roof sheathing. It adds that gable and end wall trusses are to be included in the exterior wall.	Watch Oppose	Withdrawn
RB93-22	IRC	R310.1.1 and R310.4.4	Operational Constraints and Opening Control Devices	Glenn Mathewson	self	This proposal modifies the language for the section on operational constraints and opening control devices by adding that the devices should not require "effort" to operate and open.	Oppose	Disapprove
RB95-22	IRC	R310.2.5	Emergency Escape and Rescue Openings Below Cantilevers	Mike Nugent	BCAC	This proposal adds a new section with scoping to address emergency escape and rescue openings below cantilevers (i.e. balcony, porch, under a carport) to address the means of escape that might be concealed from view. It provides requirements for the path not less than 36" in height and in width to a yard or court. This does not affect the current requirements for the emergency escape opening (windows or doors)	Oppose	Disapprove
RB98-22	IRC	R310.5	Replacement Windows for Emergency Escape and Rescue Openings	Mike Nugent	BCAC	This proposal adds language that would permit replacement windows to be the largest window that will fit within the existing frame with or without a change in style of the window.	Support	As Submitted
RB100-22	IRC	R311.3.2	Floor Elevations at Other Exterior Doors	Mike Nugent	BCAC	This proposal adds a new section to state that doors other than the required egress door, the exterior side shall be provided with a landing. This would primarily affect doors that lead from an indoor garage to a dwelling unit.	Watch Oppose	Disapprove
RB298-22	IRC	AJ102.4.3	Replacement Windows for Emergency and Escape Rescue Openings	Mike Nugent	BCAC	In the IRC's Appendix, this proposal adds an exception that operable windows provided with fall prevention devices shall comply with ASTM F2090. It aims at addressing fall prevention devices and opening control devices which is already required to follow F2090. This proposal also revises another exception that permits the replacement window to be the same style as the existing window, or a style that provides for an equal or greater window opening than the existing window.	Support	As Submitted
RB317-22	IRC	Appendix AY102	Doors	Eirene Knott	Metropolitan Kansas City Chapter of ICC	This proposal adds a new section to the appendix titled Appendix AY, Physical Security with language for door security and provisions affecting doors, door frames, and door hardware. The language includes provisions for door material and type, door frame construction, and door hardware (hinges, locks, and glazing).	Oppose	Disapprove

ICC Performance Code								
PC1-22	ICCPC	501.3	Performance Requirements	David Collins	self	This proposal revises the section to add that minimum design loads and forces shall be equal or greater than the design loads and forces per ASCE 7.	Watch Support	As Modified
PC4-22	ICCPC	902.1	Water Penetration	David Collins	self	This proposal revises the section on water penetration to clarify that roofs and exterior walls shall dissipate unwanted accumulation of water that causes damage to a building.	Watch Support	As Modified
PC5-22	ICCPC	903.1	Objective	David Collins	self	This proposal modifies the Objective section to clarify the required safeguards for equipment, processes, materials, and contents of a building.	Watch Support	Disapprove

EXTERIOR PRODUCTS CODE COMMITTEE								
Priority List								
Category	Topic Area	Notes	Rating	1	2	3	4	5
Training Guides/Research	Energy code for dummies	Similar to the other installation guidance (NAFS, Codes for dummies, etc.)	14	3	3	2	3	3
Training Guides/Research	Code for dummies document	Tie in between codes, standards as it relates to all fenestration products. Checklist of the sections of the codes that fenestrations must comply, in addition to design requirements (energy, ASCE-7, installation) from codes to NAFS.	13	2	2	3	3	3
Training Guides/Research	ADA and door threshold height (fair housing act) guidance	Similar to the other installation guidance (NAFS, Codes for dummies, etc.)	13	3	3	2	2	3
Training Guides/Research	Florida guidance/Hurricane prone regions, ASCE-7 for dummies	Similar to the other installation guidance (NAFS, Codes for dummies, etc.)	12	2	3	3	2	2
Training Guides/Research	Guidance for code officials	Possible a checklist to help code officials understand labeling information.	9	2	1	0	3	3
Training Guides/Research	Texas guidance ??	TDI process for manufacturers user guide. Possible work with Paul Bove to help develop this document.	8	2	2	3	1	0
Training Guides/Research	FENStar best practices	FGIA had reached out with a list of improvements. Perhaps WDMA members should consider creating a list of priorities to improve the process.	6	1	2	0	2	1

EXTERIOR PRODUCTS CODE COMMITTEE								
Priority List								
Category	Topic Area	Notes	Rating	1	2	3	4	5
Training Guides/Research	Entry Door Pre-hanger USA/Canada code guideline documents	Hinged doors enforcement differs between the two countries. Canada particularly doesn't have an existing code document. Potential partner with FGIA/FMA/CSA/FenCan.	6	1	1	3	0	1
Training Guides/Research	Manufacturers guide to navigate LEED and other green programs	Similar to the other installation guidance (NAFS, Codes for dummies, etc.)	5	1	1	1	1	1
Training Guides/Research	Indoor air quality conditions/ humidity/ air exchange rates/etc.	Ties back to the home comfort topic	5	1	3	0	1	0
Product/Material Industry Standards	WDMA best practice or guideline for Southeast region	Currently there is no guidance for specifiers architects to select the appropriate product for High wind zones.	5	1	1	1	0	2
Training Guides/Research	Recycling program/guidance/protocols for fenestrations	Interesting concept, could be an important new resource with the current administrations goals.	3	1	0	0	1	1