

FLORIDA BUILDING COMMISSION
FACILITATOR'S SUMMARY REPORT OF THE
DECEMBER 9 - 10, 2008
COMMISSION PLENARY SESSION
SUPPLEMENT TO THE DECEMBER 9 - 10, 2008 MINUTES
TAMPA, FLORIDA

Meeting Design & Facilitation By



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FLORIDA BUILDING COMMISSION

SUPPLEMENT TO THE DECEMBER 9 - 10, 2008 MINUTES

OVERVIEW OF COMMISSION'S KEY DECISIONS

TUESDAY, DECEMBER 9, 2008

Welcome

Chairman Rodriguez welcomed the Commission, staff and the public to Tampa and day one of the December 2008 plenary session. The Chair noted that the primary focus of the December 2008 meeting is to conduct a rule adoption hearing on Commission adopted Glitch Amendments and adopt a summary of issues and recommendations for inclusion in the Commission's 2009 Report to the Florida Legislature. The Chair explained that if one wished to address the Commission on any of the issues before the Commission they should sign-in on the appropriate sheet(s). As always, the Commission will provide an opportunity for public comment on each of the Commission's substantive discussion topics. The Chair explained that if one wants to comment on a specific substantive Commission agenda item, they should come to the speaker's table so the Commission knows they wish to speak. The Chair noted that public input is welcome, but should be offered before there is a formal motion on the floor.

Agenda Review and Approval

The Commission voted unanimously, 23 - 0 in favor, to approve the agenda for the December 9 - 10, 2008 meeting as amended. Following are the key agenda items approved for consideration:

- To Consider Regular Procedural Issues: Agenda Approval and Approval of the October 14 – 15, 2008 Minutes and Facilitator's Summary Report.
- To Consider/Decide on Chair's Discussion Issues/Recommendations.
- To Review Workplan Prioritization Exercise Results and Update the Workplan
- To Consider/Decide on Accessibility Waiver Applications.
- To Consider/Decide on Approvals and Revocations of Products and Product Approval Entities.
- To Consider/Decide on Legal Issues and Petitions for Declaratory Statements.
- To Hear an Update Report on Binding Interpretations.
- To Consider/Decide on Electrical, Fire, Mechanical, Roofing, and Structural Technical Advisory Committees (TAC's) Report/Recommendations.
- To Consider/Decide on Product Approval/Manufactured Buildings and Education Program Oversight Committee (POC's) Reports/Recommendations.
- To Consider/Decide on Workgroup Reports/Recommendations: Bedroom Definition, CO Detector, Soffit Systems, and Hurricane Research Advisory Committee.
- To Receive a Report on Accessible Design Charette for Hotel Sleeping Room Renovations.
- To Conduct a Rule Adoption Hearing on Rule 9B-70, Education.
- To Conduct a Rule Adoption Hearing on Rule 9B-3.047, Florida Building Code, Glitch Amendments.

- To Consider and Adopt Summary of Recommendations for Report to the 2009 Legislature.
- To Discuss Commissioner Issues.
- To Receive Public Comment.
- To Review Committee Assignments and Issues for the Next Meeting—
February 2 - 4, 2009 in Melbourne.

Amendments to the Agenda:

None were offered.

Review and Approval of the October 14 - 15, 2008 Meeting Minutes and Facilitator’s Summary Report

Motion—The Commission voted unanimously, 23 - 0 in favor, to approve October 14 - 15, 2008 Meeting Minutes as amended and October 14 - 15, 2008 Facilitator’s Summary Report as presented.

Amendments to October 2008 Minutes:

DCA08-DEC-204 by Robert Jamieson, Underwriters Laboratories was amended by the Commission and should be corrected in the minutes to reflect striking ~~and the full structural scope of the Code~~ from the end of the last sentence in the answer.

Chair’s Discussion Issues and Recommendations

1. New Commission Members

Chairman Rodriguez reported that the Governor made additional appointments to the Commission that took effect for the December 2008 meeting. Chairman Rodriguez welcomed all new Commissioners and thanked those Commissioners who were rolling-off the Commission for their dedicated service to the citizens of Florida. The Chair reported the following appointments:

Randy Vann was re-appointed as the “plumbing contractor” representative.

Jon Hamrick was re-appointed as the “public education” representative.

Bob Boyer was appointed to replace George Wiggins as the “municipal or charter government” representative.

Anthony Grippa was appointed to replace Do Kim as the “insurance industry” representative.

Rafael Palacios was appointed to replace Steve Bassett as the “mechanical/electrical engineer” representative.

James Schock was appointed to replace Christ Sanidas as one of the “code official” representatives.

Ken Gregory was appointed as the first representative for “swimming pool contractors”.

Drew Smith was appointed as the first representative for “green building industry”.

2. Appreciation for Departing Commissioners

Chairman Rodriguez noted that on behalf of the Commission he was recognizing departing Commissioners Steve Bassett, Do Kim, Christ Sandidas, and George Wiggins for their service.

3. Appointments (Commission—TAC(s)—Workgroup(s))

Chairman Rodriguez made the following appointments and comments:

Vice-Chair

Dick Browdy was appointed as the Commission's new vice-chair.

Accessibility TAC

Julia Kates was appointed to replace J.R. Harding on the Accessibility TAC.

Code Administration TAC

Herminio Gonzalez was appointed to replace George Wiggins as chair of the Code Administration TAC.

Matt Carlton was appointed to replace Ed Carson on the Code Administration TAC.

Bob Boyer was appointed to the Code Administration TAC.

Energy TAC

Drew Smith was appointed to replace Richard Reynolds on the Energy TAC.

Mechanical TAC

Rafael Palacios was appointed to replace Steve Bassett on the Mechanical TAC.

Gary Griffin was appointed as chair of the Mechanical TAC.

Structural TAC

Paul Kidwell was appointed to replace Do Kim as chair of the Structural TAC.

Do Kim remains on the Structural TAC as a member.

Jim Schock was appointed to replace George Wiggins on the Structural TAC.

Special Occupancy TAC

Doug Melvin, representing DBPR, Division of Hotels and Restaurants, Bureau of Elevators, was appointed To the Special Occupancy TAC.

Education POC

Anthony Grippa was appointed to replace Steve Bassett on the Education POC.

Code Assembly Ad Hoc

The Chair noted that the Code Processes Ad Hoc's name was changed to the Code Assembly Ad Hoc and Hamid Bahadori was added to the Ad Hoc.

Following are the members of the Code Assembly Ad Hoc Committee:

Raul Rodriguez, Chair, Hamid Bahadori, Dick Browdy, Ed Carson, Kiko Franco, Jim Goodloe, Dale Greiner, Jeff Gross, and Chris Schulte.

Hurricane Research Advisory Committee (HRAC)

Jim Schock was appointed to replace George Wiggins on the HRAC.

Jamie Gascon was appointed to replace Nick D'Andrea on the HRAC.

Richard Reynolds was appointed to the HRAC.

Flood Standards Workgroup

The Chair noted that at the October meeting the Commission created a Flood Standards Workgroup charged with developing recommendations for integrating the IBC flood damage-resistant provisions in the Florida Building Code, and appointed the following members: Gene Chalecki: DEP; Steve Pizzillo: BOAF; Tim Reinhold: IBHS; Jack Glenn: FHBA; and Nick D'Andrea: Flood Plain Managers Association.

Following were the new appointments to the Flood Standards Workgroup:

Bob Boyer was appointed to replace George Wiggins as the local government representative. Miles Anderson was appointed as the representative for the Florida Division of Emergency Management.

Tim Tolbert was appointed as a building official representative from NW Florida.

Jim Schock was appointed as a building official representative from NE Florida.

Eddie Fernandez was appointed to represent Miami-Dade Code Compliance Office.

Bud Plisich was appointed representing FEMA Region IV.

CO Detector Workgroup

The Chair noted that the CO Detector Workgroup was appointed between meetings to allow them to develop legislative recommendations in time for the Commission's Report to the 2009 Legislature.

The Chair indicated that the members appointed are as follows:

Jim Goodloe, Dale Greiner, Bob Boyer, Hamid Bahadori, Steve Bassett, Jeff Gross, Matt Carlton, Ed Carson, Mark Turner, and Jeff Householder.

Soffit Systems Workgroup

The Chair reported that at the request of the Vinyl Siding Institute Dave Johnston was the Soffits Systems member and Matthew Dobson the alternate.

2010 Florida Energy Code Workgroup

Chairman Rodriguez stated that the Commission was convening a Workgroup to develop recommendations on the various energy related issues in the Commission's Workplan. The goal is to ensure compliance with the 20% increase in thermal efficiency standards required for the 2010 Code Update.

Following are the appointments:

Steve Bassett, Bob Cochell, Phillip Fairey, Dale Greiner, Jeff Gross, Jeff Householder, Larry Maxwell, Donny Pittman, Paul Savage, Drew Smith, Jeff Stone, and Rob Vickers.

2010 Florida Accessibility Code Workgroup

The Chair noted that the Commission's Accessibility TAC recommended and the Commission approved convening a workgroup to evaluate and develop recommendations regarding the integration of the Florida Accessibility Law into the new ADAAG that is being adopted by the US Department of Justice. The Commission will convene the workgroup during 2009 and will adopt recommendations to the Governor and Legislature in the 2010 Report to the Legislature.

Following are the appointments:

Pam Darworth, Michael Elliot, Bemie Eustace, Kiko Franco, Skip Gregory, Jeff Gross, Jack Humburg, Julia Kates, Neal Melick, Sharon Mignardi, Bill Norkunas, Barbara Page,

Ben Ritter, Larry Schneider, Jim Schock, Randy Vann, Bob Vincent, Steve Watson, Soy Williams, and Phillip Wisely.

4. Rule Development Workshop on Rule 9B-72, Product Approval, Equivalency of Standards

Chairman Rodriguez reported that there will be a teleconference meeting on December 15, 2008 starting at 10:00 AM for the purpose of conducting a Rule Development Workshop on Rule 9B-72, Product Approval, to amend Rule 9B-72 to recognize the Equivalency of Standards between ASTM E 1300-02 and ASTM E 1300-04, and a process for manufactures to demonstrate through self-affirmation, once a Code Edition changes, that their product(s) comply with the relevant standard(s) in the updated Code version. The Structural TAC will have recommendations on both issues. This will be a formal Commission meeting and a quorum will be required. Please plan on joining the call. Staff will be sending an e-mail with contact information.

Workplan Prioritization Exercise Results

Jeff Blair reviewed the results of the Commission’s Workplan prioritization exercise completed during the October 2008 meeting and answered members questions.

Following are the Workplan Prioritization Exercise Results in order of overall ranking:

WORKPLAN PRIORITIZATION EXERCISE RESULTS CONDUCTED OCTOBER 15, 2008	
WORKPLAN TASK	OVERALL RANKING
39.) Energy conservation measures	1
1.) Report to 2009 Legislature	2
22.) 2010 Code development process	3
9./10.) Research for hurricane resistance Code enhancements <ul style="list-style-type: none"> • window/water leakage • window/wall interface • soffit performance 	4
28.) CO detectors recommendations	5
35.) Develop plan to implement legislated energy efficiency increases	6
27.) Criteria for cost effectiveness test for increases in energy efficiency	7
30.) Develop list of evaluation entities & report to Legislature, or develop criteria for approving evaluation entities by rule	8
26./11.) Indoor Humidity & Moisture Control	9
16.) Efficiency standards for energy using products	10
38.) Evaluate adoption of flood standards in FBC (DEM, FEMA)	11
25.) Bedroom definition for septic tank sizing with DOH	12
33.) Entrapment standards for existing pools	13
37.) Evaluate equivalency of ASTM E 1300-02 and 04 & self	14

affirmation for PA Rule 9B-72	
24.) Soffit system labeling requirements	14
32.) Design charette for hotel room accessibility	16
31.) Develop enhancements for gravel roof systems	17
34.) Evaluate rainwater collection and use with DOH	18
36.) Evaluate need for Code Core Course requirement for licensing	19
29.) Criteria for energy efficient pool systems	20

Review and Update of Commission Workplan

Rick Dixon reviewed the updated Workplan with the Commission and answered member's questions.

Commission Actions:

Motion—The Commission voted unanimously, 23 - 0 in favor, to approve the updated Commission Workplan as presented.

(Included as Attachment 2—Commission's Updated Workplan)

Consideration of Accessibility Waiver Applications

The Commission reviewed and decided on the Waiver applications submitted for their consideration.

(Included as Attachment 3—Accessibility Waiver Summary Report)

Consideration of Applications for Product and Entity Approval

Commissioner Kim presented the committee's recommendations for entities and Jeff Blair presented the committee's recommendations for product approvals. The results of product and entity applications are found in the Product Approval POC report included as an attachment to the minutes.

(Included as Attachment 4—Product and Entity Approval Report)

Legal Issues

Repeal of Rules

The Chair explained that as a result of Legislation, in 2007 the Commission adopted individual rules on Pool Bonding, Mitigation Retrofits, and CO Detectors, the requirements of which have subsequently been adopted into the 2007 Edition of the Florida Building Code. This means the rules must be repealed since the requirements are now in Code. The Chair explained the Commission needed a motion to initiate rulemaking to repeal: Rule 9B-3.0477, Electrical Bonding of Pool Decks, Rule 9B-3.0475, Wind Mitigation Retrofits, and Rule 9B-3.0472, Carbon Monoxide Detectors, and to conduct rule development workshops at the February 2009 Commission meeting.

Commission Actions:

Motion—The Commission voted unanimously, 23 - 0 in favor, to initiate rulemaking to repeal Rule 9B-3.0477, Electrical Bonding of Pool Decks, Rule 9B-3.0475, Wind Mitigation Retrofits, and Rule 9B-3.0472, Carbon Monoxide Detectors, and to conduct rule development workshops at the February 2009 Commission meeting.

Binding Interpretations

Jim Richmond reported that there were no new petitions to report.

Petitions For Declaratory Statements

Following are the actions taken by the Commission on petitions for declaratory statements.

Second Hearings

DCA08-DEC-168 by Leonard Terry, President, Omnicrete

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-193 by Richard Mihalich

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-201 by Michael Schultz, P.E., Buckeye

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-204 by Robert Jamieson, Underwriters Laboratories

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition, as amended.

DCA08-DEC-205 by Neil Melick, City of West Palm Beach, Construction Services Department

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-208 by Luke Ismert of Schier Products

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-209 by Tom Hardiman of the Modular Building Institute

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-216 by Vincent Vaulman, CCE, Regional Manager, Madsen, Kneppers & Associates, Inc.

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-236 by W Vincent of Construction Specialties, Inc.

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-237 by W Vincent of Construction Specialties, Inc.

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-238 by W Vincent of Construction Specialties, Inc.

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-239 by W Vincent of Construction Specialties, Inc.

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-257 by Chris Birchfield of No-Burn SE Inc.

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-258 by David E Sands of Bamboo Technologies

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-268 by Sandra Gump of Fomo Products, Inc.

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

DCA08-DEC-275 by Ken Norton of Power Design, Inc.

Motion—The Commission voted 23 – 0 in favor, to approve the draft order on the petition.

First Hearings

DCA08-DEC-194 by Dan Arlington, St. Johns County Building Department

Motion—The Commission voted 23 – 0 in favor, to refer the petition back to the Structural TAC for consideration.

DCA08-DEC-207 by Anthony Apfelbeck, Fire Marshall/Building Official, City of Altamonte Springs

Motion—The Commission voted 23 – 0 in favor, to defer action the petition, pending a review of legal sufficiency by DCA legal staff.

DCA08-DEC-289 by Glen Lathers, Hillsborough County Public Schools

Motion—The Commission voted 23 – 0 in favor, to approve the TAC’s recommendation on the petition.

DCA08-DEC-329 by Brad Weatherholtz, FRSA Inc.

WITHDRAWN

DCA08-DEC-330 by Brad Weatherholtz, FRSA Inc.

WITHDRAWN

DCA08-DEC-331 by Brad Weatherholtz, FRSA Inc.

Motion—The Commission voted 23 – 0 in favor, to approve the TAC’s recommendation on the petition.

DCA08-DEC-337 by Roger Sanders, Nova Engineering and Environmental, LLC

Motion—The Commission voted 23 – 0 in favor, to approve the TAC’s recommendation on the petition, as amended.

Amendment:

Add: for stand-alone permits.

DCA08-DEC-339 submitted by Jose Sanchez, Fenestration Testing Laboratory, Inc.

No action was taken by the Commission. The POC requested additional information from the petitioner.

(Included as Attachment 5—Legal Report)

Committee Reports and Recommendations

The Chair requested that all TAC reports that did not require specific Commission actions be entered into the record.

Electrical TAC

Commissioner Carson presented the Committee's report and recommendations.

Commission Actions:

Motion—The Commission voted unanimously, 23 - 0 in favor, to accept the report.

(See Commission Minutes for Committee report)

Fire TAC

Commissioner Goodloe presented the Committee's report and recommendations.

Commission Actions:

Motion—The Commission voted unanimously, 23 - 0 in favor, to accept the report.

(See Commission Minutes for Committee report)

Mechanical TAC

Jeff Blair presented the Committee's report and recommendations.

Commission Actions:

Motion—The Commission voted unanimously, 23 - 0 in favor, to accept the report.

(See Commission Minutes for Committee report)

Roofing TAC

Commissioner Schulte presented the Committee's report and recommendations.

Commission Actions:

Motion—The Commission voted unanimously, 23 - 0 in favor, to accept the report.

Motion—The Commission voted unanimously, 23 - 0 in favor, to convene a Green Roof Workgroup to Develop recommendations regarding green roofs.

(See Commission Minutes for Committee report)

Structural TAC

Jeff Blair presented the Committee's report and recommendations.

Commission Actions:

Motion—The Commission voted unanimously, 23 - 0 in favor, to accept the report.

Motion—The Commission voted unanimously, 23 - 0 in favor, to recommend the Legislature expand Glitch Code criteria in Chapter 553.73(7) F.S., to include to include recognizing equivalency of standards in the Florida Building Code (i.e., design standards).

(See Commission Minutes for Committee report)

Education POC

Commissioner Browdy presented the Committee's report and recommendations.

Commission Actions:

Motion—The Commission voted unanimously, 23 - 0 in favor to accept the report.

(See Commission Minutes for Committee report)

Commission Actions—Education POC:

Motion—The Commission voted unanimously, 23 – 0 in favor, to initiate rulemaking for Rule 9B-70.002.

Motion—The Commission voted unanimously, 23 – 0 in favor, to approve advanced courses #325.0, 328.0, 329.0, 330.0, 331.0, 332.0, 333.0, and 335.0.

Motion—The Commission voted unanimously, 23 – 0 in favor, to approve on a consent agenda for administrative approval courses #322.0, 313.1, and 334.0.

Product Approval POC

Commissioner Carson presented the Committee’s report and recommendations.

Commission Actions:

Motion—The Commission voted unanimously, 23 – 0 in favor to accept the report.

(See Commission Minutes for Committee report)

Commission Actions—Product Approval POC:

Motion—The Commission voted unanimously, 23 – 0 in favor to support the Department’s initiatives to request legislative authority for the following:

- 1: Contract the manufactured building administrator responsibilities;
- 2: Manufacturers pay the vendor directly for plans review and inspection services via the Building Code Information System;
- 3: Department will establish plan review and inspection fees.

Motion—The Commission voted unanimously, 23 – 0 in favor to recommend that the following:

The Commission recommends amending the list of evaluation entities in law as follows:

- (1) Include LAPMO Evaluation Service (ES) in the law as an approved evaluation entity as indicated below.*
- (2) Recommend changing the law to read as follows (update list to eliminate entities no longer in existence, add LAPMO ES, and alphabetize the list of approved evaluation entities):*

- (a)** Evaluation entities that meet the criteria for approval adopted by the commission by rule. The commission shall specifically approve the, the International Association of Plumbing and Mechanical Officials Evaluation Service, the International Code Council Evaluation Services, and the Miami-Dade County Building Code Compliance Office Product Control and National Evaluation Service, ~~the international Conference of Building Officials Evaluation Services, the Building Officials and Code Administrators International Evaluation Services, the Southern Building Code Congress International Evaluation Services.~~ Architects and engineers licensed in this state are also approved to conduct product evaluations as provided in subsection (5).

Motion—The Commission voted unanimously, 23 – 0 in favor to seek specific authority for manufacturer/entities to pay vendor directly via BCIS.

Motion—The Commission voted unanimously, 23 – 0 in favor to dismiss the complaint filed against FL 5343 due to lack of substantive material evidence necessary to conduct an investigation.

Motion—The Commission voted unanimously, 23 – 0 in favor to dismiss the complaints filed against FL 7350 and FL 9328 due to the fact the Florida Board of Engineers voted to dismiss the case.

Motion—The Commission voted unanimously, 23 – 0 in favor to dismiss the investigation regarding FL 8843 based on the administrator’s findings that the issue in question is outside the scope of Rule 9B-72 and the lack of substantive material evidence.

Bedroom Definition Workgroup

Jeff Blair provided the Commission with an overview of the Bedroom Definition Workgroup meeting and answered member’s questions.

Commission Actions:

Motion—The Commission voted unanimously, 23 – 0 in favor to accept the report.

The Report may be viewed at the project webpage:

<http://consensus.fsu.edu/FBC/ubdw.html>

CO Detector Workgroup

Jeff Blair provided the Commission with an overview of the CO Detector Workgroup meeting and answered member’s questions.

Commission Actions:

Motion—The Commission voted unanimously, 23 – 0 in favor to accept the report.

Motion—The Commission voted unanimously, 23 – 0 in favor to adopt the following recommendations to the 2009 Florida Legislature regarding CO Detectors:

1. Clarify the responsibilities of the Division of State Fire Marshal (DSFM) and the Department of Business and Professional Regulation (DBPR) under Chapter 509.211 F.S.
2. Clarify the scope of what was intended by the term: “new construction”.
3. Provide legislative authority for the Commission to review and determine the appropriate location(s) for CO detectors.
4. Clarify that the requirement applies to all fuel sources that emit carbon monoxide and not only fossil fuels.

The Report may be viewed at the project webpage:

<http://consensus.fsu.edu/FBC/CO-Detector-WG.html>

Hurricane Research Advisory Committee

Rick Dixon provided the Commission with an overview of the HRAC meeting and answered member’s questions.

Commission Actions:

Motion—The Commission voted unanimously, 23 – 0 in favor to accept the report.

The Report may be viewed at the project webpage:

<http://consensus.fsu.edu/FBC/hrac.html>

Soffit Systems Workgroup

Jeff Blair provided the Commission with an overview of the Soffit Systems Workgroup meeting and answered member's questions.

Commission Actions:

Motion—The Commission voted unanimously, 23 – 0 in favor to accept the report.

The Report may be viewed at the project webpage:

<http://consensus.fsu.edu/FBC/soffit.html>

Recess

The Commission voted unanimously, 23 - 0, to recess until 8:30 AM on Wednesday, December 10, 2008. The Commission recessed at 6:15 PM.

WEDNESDAY, DECEMBER 10, 2008

Reconvene and Welcome

Chairman Rodriguez welcomed Commissioners, staff, and members of the public to day two of the December 2008 plenary session of the Florida Building Commission. The Chair noted that the Commission would focus on December's substantive issues including current rule development initiatives including adoption of Glitch Amendments, and adoption of issues for inclusion in the Commission's Report to the 2009 Legislature.

The Chair noted that blue Public Meeting Evaluation Forms were provided at the speakers' table for those who wish to provide written feedback to the Commission. Completed Comment Forms will be included in Facilitator's Summary reports.

Report on Accessibility Design Charette for Hotel Sleeping Room Renovations

Commissioner Browdy and Commissioner Gross reported on the results of the accessibility design charette for hotel sleeping room renovations conducted on December 9, 2008 and answered member's questions. The design team's drawings were posted on the meeting room walls for review.

Rule Development Workshop on Rule 9B-70, Education

Chairman Rodriguez explained that at the September 15, 2008 Teleconference meeting the Commission voted to initiate rule development for Rule 9B-70, to develop amendments for on-line forms for the Education Program. Specifically the accreditor, course, and training program on-line application forms. At the October meeting the Commission conducted a rule development workshop adopting the Education POC's recommendations, and voting to publish a notice of change, integrating and noticing the approved changes, and conducting a rule adoption hearing at the December 2008 meeting. The December rule adoption hearing provided an additional opportunity for public comment on the issue.

The Rule Development Workshop was opened and an opportunity was presented for public comment. At the conclusion of public comment an opportunity was offered for Commission discussion, and then the Commission took the following action:

Commission Actions:

Motion—The Commission voted unanimously, 22 – 0 in favor, to proceed with rule adoption for Rule 9B-70, Education by filing the rule for adoption with the Secretary of State.

Rule Development Workshop on Rule 9B-3.047, Florida Building Code, Glitch Amendments

The Chair explained that the Commission voted unanimously to make the effective date of the 2007 Florida Building Code and Florida Energy Code March 1, 2009. In addition, the Glitch amendment deadline was extended to July 15, 2008, with a rule development workshop conducted at the October 2008 meeting. The October workshop was an opportunity for members of the public to provide input to the Commission prior to Commission action on the proposed Glitch amendments. At the October Rule Development Workshop the Commission reviewed the TAC's comments/recommendations on proposed Glitch Amendments to the 2007 Florida Building Code, and following extensive public comment voted unanimously to proceed with rule adoption for Rule 9B-3.047, Florida Building Code, Glitch Amendments, integrating and noticing the approved amendments; and, authorizing DCA staff to make any editorial fixes required to implement the Commission's substantive decisions on Glitch Code amendments (i.e., formatting, section number correlations and removal of text such as seismic and snow load language, etc.).

The December Rule Adoption Hearing was an additional opportunity for public input before the Commission voted to conclude rule development by filing the rule for adoption with the Secretary of State.

Chairman Rodriguez reviewed the process the Commission used for adopting proposed Glitch Code Amendments. The Chair explained that the Commission is considering proposed amendments to Rule 9B-3.047 Glitch Amendments in accordance with the statutory requirements provided in Chapter 553.73(7) F.S., as follows:

In order for a proposed code change to be accepted as a glitch change, it must fall within one of the following criteria:

- Conflicts within the Updated Code;
- Conflicts between the Updated Code and the Florida Fire Prevention Code;
- Omissions of previously adopted Florida-specific amendments if such omission is not supported by specific recommendation of a TAC or particular Commission action;
- Unintended results from the integration of previously adopted Florida-specific amendments with the model code; or

- Changes to Federal or State law.
- Updates to the NEC: if delay of implementing the updated edition causes undue hardship to stakeholders, or otherwise threatens the public health, safety and welfare.

In addition, the TAC/FBC may not amend to diminish criteria related to wind resistance or prevention of water intrusion.

The Rule Development Workshop was opened, and Jeff Blair asked if any member of the public wished to provide comment to the Commission on the Commission's adopted Glitch Code Amendments. In addition, a matrix of comments submitted electronically was reviewed by the Commission. Members of the public provided comment and the public hearing portion of the rule adoption hearing was closed.

The Commission decided to make no changes to their adopted version of Glitch Code Amendments to the 2007 Florida Building Code.

Commission Actions:

Motion—The Commission voted unanimously, 22 – 0 in favor, to proceed with rule adoption for Rule 9B-3.047, Florida Building Code, Glitch Amendments, by filing the Rule for adoption with the Secretary of State and, authorizing DCA staff to make any editorial fixes required to implement the Commission's substantive decisions on Glitch Code amendments (i.e., formatting, section number correlations and removal of text such as seismic and snow load language, etc.).

Motion—The Commission voted 21 – 1 in favor, to agree to settle the rule challenge to Rule 9B-3.047 by voting that the interior decorator amendment (3176) is a Glitch Amendment and to initiate a separate rulemaking on Rule 9B-3.047 to specifically recognize in the Code interior decorators' authority to sign and seal construction documents for permitting, to be completed by July 1, 2009. A condition of settlement was the petitioner agreeing to dismiss the rule challenge and dismiss their request for a preparation of Statement of Estimated Regulatory Costs.

Adoption of Commission Recommendations to 2009 Legislature and Summary of Issues for Inclusion in the Commission's 2009 Report to the Florida Legislature

The Chair explained that the final Report will have the Commission's recommendations related to Legislative assignments as well as Commission initiatives, and the plan is for the Chair to review and approve the final draft of the Report to the 2009 Legislature, ensure completeness and accuracy, and approve the Report for submittal to the Legislature.

Jeff Blair reviewed the Summary of Issues and Recommendations to the 2009 Legislature, including recommendations of the CO Detector Workgroup, the Product Approval POC, and the Structural TAC and answered members questions.

Commission Actions:

Motion—The Commission voted unanimously, 22 – 0 in favor, to seek legislative authority for the Commission to charge a fee for issuing non-binding interpretations and to pay the contractor directly.

Motion—The Commission voted unanimously, 22 – 0 in favor, to request the Legislature clarify in statute the Commission is authorized to require a 75% voting threshold requirement for all substantive Commission decisions.

Motion—The Commission voted unanimously, 22 – 0 in favor, to adopt the summary of issues and recommendations for inclusion in the Commission’s 2009 Report to the Legislature, and to charge the Chair with reviewing and approving the final report prior to submittal to the 2009 Legislature.

The Commission’s recommendations for 2009 legislative actions designed to improve the system’s effectiveness are summarized as follows:

The Commission seeks clarification and has recommendations regarding the Legislature’s intent (Chapter 509.211 and 553.885 F.S.) for Carbon Monoxide (CO) Detector requirements in the Florida Building Code. They are as follows:

1. Clarify the responsibilities of the Division of State Fire Marshal (DSFM) and the Department of Business and Professional Regulation (DBPR) under Chapter 509.211 F.S.
2. Clarify the scope of what was intended by the term: “new construction”.
3. Provide legislative authority for the Commission to review and determine the appropriate location(s) for CO detectors.
4. Clarify that the requirement applies to all fuel sources that emit carbon monoxide and not only fossil fuels.

The Commission recommends and seeks statutory clarification that TAC members may serve on TAC’s despite their personal or associates’ appearance before the Commission or appendages on matters unrelated to TAC service.

The Commission supports DCA’s initiative seeking legislative authority for the department to hire an administrator for the manufactured building program, and for manufactures to pay fees directly to the administrator, as follows:

1. Contract the Manufactured Building administrative responsibilities;
2. Manufacturers pay the vendor directly for plans review and inspections services via the Building Code Information System (BCIS);
3. Department will establish plans review and inspection fees.

The Commission recommends and requests specific statutory authority for manufactures/entities to pay the Product Approval Administrator (vendor) directly via the BCIS.

The Commission recommends the Legislature expand Glitch Code criteria in Chapter 553.73(7) F.S to include recognizing equivalency of standards in the Florida Building Code (i.e., design standards).

The Commission recommends amending the list of evaluation entities in law as follows:

(1) Include IAPMO Evaluation Service (ES) in the law as an approved evaluation entity.

(2) Recommend changing the law to read as follows (in alphabetical order):

(a) Evaluation entities that meet the criteria for approval adopted by the commission by rule. The commission shall specifically approve the, the International Association of Plumbing and Mechanical Officials Evaluation Service, the International Code Council Evaluation Services, the Miami-Dade County Building Code Compliance Office Product Control and National Evaluation Service, ~~the international Conference of Building Officials~~

~~Evaluation Services, the Building Officials and Code Administrators International Evaluation Services, the Southern Building Code Congress International Evaluation Services.~~
Architects and engineers licensed in this state are also approved to conduct product evaluations as provided in subsection (5).

The Commission requests Legislative authority for the Commission to charge a fee for issuing non-binding interpretations and for those requesting interpretations to pay the contractor directly for the service.

The Commission recommends and seeks statutory clarification that the Commission is authorized to require a 75% voting threshold requirement for all substantive Commission decisions.

Commission Member Comment/Issues

Chairman Rodriguez invited Commission members to offer comments to the Commission and to propose issues for the Commission's next (February 2009) meeting.

Commission Member Comments:

- Stone: request staff post background documents to the website prior to meetings (including TAC/POC agenda packets).
- Carson: please try to avoid meeting schedule conflicts such as the Electric TAC meeting at the same time as the CO Detector Workgroup. This issue is relevant to members of both committees and there were also membership overlaps.
- Gregory: expressed that existing pools should be addressed in the Building Code, and the need for better collaboration with other agencies regarding pool related issues. Expressed commitment to work with the Commission on pool issues, and appreciation for a pool contractor position being added to the Commission.

General Public Comment

Chairman Rodriguez invited members of the public to address the Commission on any issues under the Commission's purview.

Public Comments:

- Glen: interagency cooperation is needed regarding agencies adopting their own rules regarding construction standards. Some agencies such as DOE work well and ensure their rules and the Building Code are correlated. Some other agencies adopt their rules without first ensuring the Code is revised as well. The Commission should seek legislative clarification that agencies are required to work within the Building Code process.
- Glen: expressed concern with EnergyGauge software being the only method to comply with Energy Code requirements, lack of oversight for the software and no beta-testing of the new version.
- Dixon: DCA will work with the Governor's office regarding interagency collaboration.
- Dixon: there are extraordinary circumstances including the required 15% increase in thermal efficiency and short time frame to comply, as a result there is not time to provide beta-testing as in previous years.

- Temple: expressed concern with EnergyGauge software and who would ensure the program works correctly.
- Dixon: DCA staff will work with the contractor.
- Richmond: JAPC will require the software to work before authorizing adoption of the rule.
- Westfall: for the 2010 Code Update Chapter 17 needs additional review and attention, and window labeling needs additional work as well.
- Wilhelm: need to convene the Window Labeling Workgroup to further evaluate window labeling requirements in the Code.
- O'Conner: on behalf of BOAF welcomed new Commission members and offered BOAF's assistance as needed.

Adjourn

The Commission voted unanimously, 22 – 0 in favor, to adjourn the meeting at 10:00 AM.

ATTACHMENT 1
MEETING EVALUATION RESULTS

December 9 - 10, 2008—Tampa, Florida

Average rank using a 0 to 10 scale, where 0 means totally disagree and 10 means totally agree.

1. Please assess the overall meeting.

- 9.9 The background information was very useful.
- 9.8 The agenda packet was very useful.
- 9.9 The objectives for the meeting were stated at the outset.
- 9.8 Overall, the objectives of the meeting were fully achieved.
- 9.6 Accessibility Waiver Applications.
- 9.4 Discussion and Decision on Legal Issues and Legislative Updates.
- 9.9 Requests for Declaratory Statements.
- 9.9 Approval of Products and Product Approval Entities.
- 9.9 Chairs Issues and Recommendations.
- 9.9 Workplan Prioritization Exercise.
- 9.9 Commission's Workplan and Meeting Schedule Review and Update.
- 9.9 TAC and POC Reports and Recommendations.
- 9.9 Workgroup and Committee Reports and Recommendations.
- 9.9 Report on Accessible Design Charette for Hotel Sleeping Room Renovations.
- 9.9 Rule Adoption Hearing on Rule 9B-70, Education.
- 9.8 Rule Adoption Hearing on Rule 9B-3.047, Florida Building Code, Glitch Amendments.
- 9.4 Summary of Recommendations for Report to the 2009 Legislature.

2. Please tell us how well the Facilitator helped the participants engage in the meeting.

- 9.9 The members followed the direction of the Facilitator.
- 10 The Facilitator made sure the concerns of all members were heard.
- 9.9 The Facilitator helped us arrange our time well.
- 10 Participant input was documented accurately in Meeting Notes and Facilitator's Report(s).

3. What is your level of satisfaction with the meeting?

- 9.9 Overall, I am very satisfied with the meeting.
- 9.9 I was very satisfied with the services provided by the Facilitator.
- 9.8 I am satisfied with the outcome of the meeting.

4. What progress did you make?

- 9.7 I know what the next steps following this meeting will be.
- 9.7 I know who is responsible for the next steps.

5. What did you like best about the meeting?

- The meetings are very informative and continue to impress with their professionalism.
- Sense of cooperation and common goal.
- Staff support and planning.
- Great participation by all.
- Very well organized – extremely efficient.
- The professionalism.
- The meeting moved quickly and efficiently.
- My introduction to the system.
- Agenda-timing.

6. How could the meeting have been improved?

- Have the hotels rooms paid by the state.
- Computer not working.
- File links on computer either didn't open or were very difficult to open.
- Good meeting – very light agenda – no improvement ideas.
- Everything can be improved – Keep up the outstanding effort.
- More table room for the commission members – too tight!
- Add one more table on each side from the audience i.e. More room!

7. Members Evaluation Comments.

- Great job by all.
- DCA staff are great. Everyone works extremely well. Keep it up.
- Good idea, sitting vets between freshmen.
- I am honored to be a part of something so important. I look forward to being an important part. Thank you for the support.

Comments on Specific Agenda Items:

None.

PUBLIC-MEETING EVALUATION AND COMMENT RESULTS

None were completed.

ATTACHMENT 2 COMMISSION'S UPDATED WORKPLAN AND MEETING SCHEDULE
--

(Adopted Unanimously December 9, 2008)

MEETING DATES

2008

January 28,29 & 30 Cmsn	World Golf Village, St. Augustine
March 17, 18 & 19 Cmsn	Embassy Suites, Tampa
May 5, 6 & 7 Cmsn	Crowne Plaza, Melbourne
June 23, 24 & 25 Cmsn	Rosen Centre, Orlando
August 18, 19 & 20 Cmsn	Naples Grande, Naples
October 13, 14 & 15 Cmsn	Embassy Suites, Tampa
December 8, 9 & 10 Cmsn	Embassy Suites, Tampa

2009

<u>Meeting Location</u>	<u>Reservation Deadline</u>
February 2, 3 & 4	January 11, 2009
April 6, 7 & 8	March 06, 2009
June 8, 9 & 10	March 08, 2009
August 10, 11 & 12	July 20, 2009
October 12, 13 & 14	September 11, 2009
December 7, 8 & 9	November 06, 2009

2010

<u>Meeting Location</u>
February 1,2 & 3
April 5, 6 & 7
June 7, 8 & 9
August 9, 10 & 11
October 11, 12 & 13
December 6, 7 & 8

2011

<u>Meeting Location</u>
Jan 31 & Feb 1 & 2
April 4, 5 & 6
June 6, 7 & 8
August 8, 9 & 10
October 10, 11 & 12
December 5, 6 & 7

FLORIDA BUILDING COMMISSION 2008 WORKPLAN

Note: Red type indicates task originated as requirement of a law.

ANNUAL TASKS

1. Report to 2009 Legislature

Schedule:

Commission identifies and receives draft recommendations	12/12/08
Commission finalizes recommendations	1/30/09
Commission report to 2009 Legislature	2/09

Status: Pending

% Complete



40%

Origination: Commission. Annual task authorized by statute

2007 FBC AND GLITCH AMENDMENT RELATED TASKS

2. Glitch Amendments to the 2007 Florida Building Code (Previous Task 8.)

Schedule:

2007 Code published online	2/1/08
Printed 2007 Codes available to the public	3/1/08
Glitch amendment submittal DEADLINE	7/15/08
Rule development workshop	10/15/08
Rule adoption hearing	12/10/08
Glitch Rule effective	3/1/09
2007 FBC effective	3/1/09

Status: *In progress*

% Complete



95%

Origination: Commission. Triennial task subsequent to FBC Update authorized by statute

14. Amend the Florida Energy Code to Require 15% More Efficiency in Buildings (Previous Task 37)

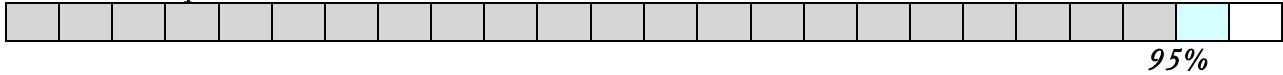
Schedule:

Note: Amendment to achieve Governor Crist’s directive of 15% increased efficiency by January 1, 2009 will be done using procedures of Part VI, chapter 553, F.S. The Energy Code will be amended by administrative rule authorized by that part then the revised Energy Code will be adopted into the 2007 Florida Building Code during the currently scheduled “glitch” cycle.

Evaluation of cost effective building component efficiencies completed (See Task 13)	1/08
Department of Community Affairs recommendations to the Commission	1/08
Commission considers proposed amendments	1/08-2/08
Rule Development Workshop	3/19/08
Rule Adoption Hearing	5/7/08
Supplemental Rule Adoption Hearing	10/15/08
Rule filed	7/08
Adoption into 2007 FBC via “Glitch” cycle (See Task 2)	

Status: *In Progress*

% Complete



Origination: The Governor directed the Commission to amend the Florida Energy Code to increase requirements for building energy efficiency by 15% in Executive Order 2007-127.

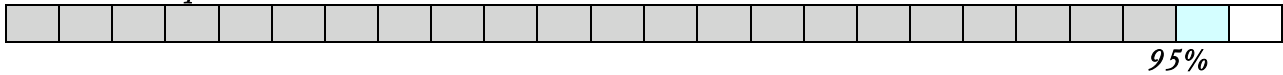
17. Develop mitigation techniques for retrofit of existing site-built residential buildings: (Previous Task 27)

Schedule:

Identify techniques for initial adoption	5/07-6/07
Commission initiates rule development for techniques & retrofit mandates	5/09/07
Rule development workshop	6/27/07
Non-rule workshop	8/8/07
Rule adoption hearing	8/22/07
Rule effective	10/10/07
Appoint Workgroup to refine requirements	10/3/07
Workgroup meets to recommend settlement for FRSA rule challenge	10/3/07
Commission holds telephone meeting to consider settlement	1/8/08
Workgroup meetings to refine mitigation techniques for Glitch Cycle	12/13/07
	1/28/08
	3/19/08
	4/18/08
Submit for amendment of 2007 FBC during Glitch Cycle	5/08
Adopt techniques and retrofit mandates in 2007 FBC via Glitch Cycle	
See Glitch Amendment Task 8 schedule	

Status: In Progress

% Complete



Origination: Development of mitigation techniques and adoption as Code requirements as directed by the law was directed by the 2007 Florida Legislature in CS/HB 7057.

18. Electrical bonding and grounding for swimming pool decks (Previous Task 28)

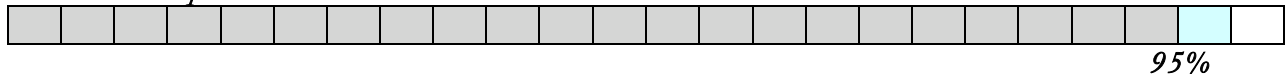
Schedule:

Notify building departments/pool bonding alternative authorized by law	5/07
Develop alternative technique to NEC	5/07-6/07
Commission initiates rule authorizing alternative technique	5/09/07
Rule development workshop	6/27/07
Adopt the alternative in the 2007 FBC	8/22/07
Rule effective	10/1/07
Adopt alternative technique in 2007 FBC via Glitch Amendment Cycle	2008

See Glitch Amendment Task 8 schedule

Status: **In Progress**

% Complete



Origination: *The 2007 Florida Legislature directed adoption of the alternative pool bonding requirements by non-Code rule in 2007 and adoption in the 2007 FBC in CS/CS/SB 2836.*

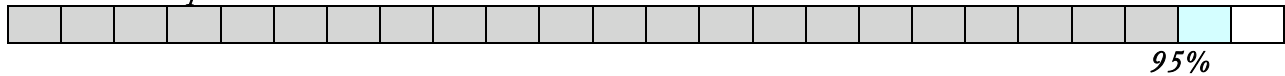
19. Evaluate elimination of gravel and stone roofing systems (Previous Task 29)

Schedule:

Appoint Ad Hoc committee to evaluate the science, alternatives, business impact and impact on birds	8/07
Contract with UF to provide technical assistance	9/07
Workgroup meetings to review data UF reports on literature search	12/10/07
	1/08
	3/08
	4/18/08
	5/6/08
Submit for amendment of 2007 FBC during Glitch Cycle	5/08
Amend 2007 FBC as determined by study in Glitch Cycle	See Task 8

Status: **In Progress**

% Complete



Origination: *The 2007 Florida Legislature directed the Commission to evaluate the consequences adopting the International Building and Residential Codes prohibition of gravel roof systems in high wind areas before adopting it into the 2007 FBC and to take remedial action if warranted.*

20. Implement requirements of law for carbon monoxide detectors (Previous Task 32)

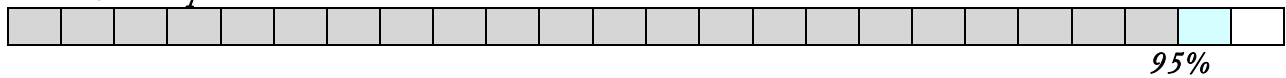
Schedule:

Commission initiates special rule development and adoption for buildings with fuel burning appliances, fireplaces or attached garages and sleeping rooms	5/9/07
Rule development workshop	6/27/07
Mechanical and Electrical TACs decide how to reference from NEC	8/21/07
Rule adoption hearing	8/22/07
Rule effective (date set by law)	7/1/08
Adopt and implement above requirements in 2007 FBC in Glitch Cycle and DBPR hotels with fuel fired boiler requirements DBPR did not adopt a rule	2008

See Glitch Amendment Task 8 schedule

Status: In Progress

% Complete



Origination: The 2007 Florida Legislature directed the Commission to adopt carbon monoxide detector requirements written into law as a separate non-Code rule to take effect July 1, 2008 and to adopt the requirements in law into the 2007 FBC.

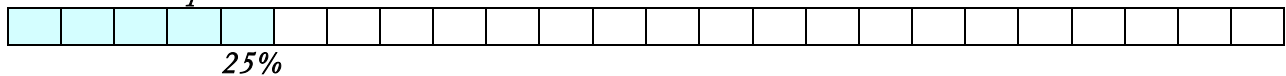
41. Review the 2008 National Electric Code for Adoption by Separate 2009 Glitch Amendment

Schedule:

Electrical TAC review meetings	12/9/08
	2/3/09
Rule development workshop	4/8/09
Rule adoption hearing	6/10/09
Effective	7/09

Status: Pending

% Complete



Origination: Recommended by Electrical TAC and approved by Commission at October 2008 meeting.

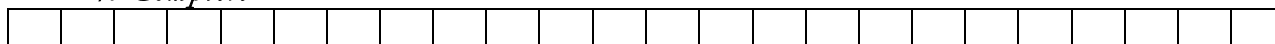
42. Repeal of CO Detector, Pool Bonding and Mitigation Rules

Schedule:

Rule Hearing	2/3/09
Effective	3/1/09

Status: Pending

% Complete



25%

Origination: Housekeeping. Directed by law to adopt rules to govern until the 2007 FBC takes effect. Requirements integrated into the Code via glitch amendment cycle. Original rules are redundant and must be repealed to eliminate potential conflicts.

OTHER TASKS NOT SPECIFIC TO THE CODE

16. Work with DCA to evaluate updated energy efficiency standards for energy using products (Previous Task 25 & 38)

Schedule:

DCA initiates rule proceeding	8/07
Enter into contract for study	9/07
DCA Secretary Pelham addresses Commission suggesting coordination	10/3/08
DCA conducts Rule Development Workshop	10/18/07
Report from contractor	11/07
Recommendations finalized for report to 2008 Legislature	1/30/08
Report to 2008 Governor	2/08
Update efficiency standards in Florida Energy Code	5/7/08

Status: Commission denied DCA proposals for increasing appliance/systems energy efficiency in the Florida Energy Code update.

% Complete



0%

Origination: The Governor directed the Department of Community Affairs to amend the Florida Appliance Efficiencies to increase energy efficiency requirements by 15% in Executive Order 2007-127. DCA Secretary Pelham addressed the Commission and requested its cooperation in complying with the directives of the Governor's EO. DCA/Commission staff presented a plan for increasing efficiency requirements for appliances and energy using equipment that fall within the authorities of the Florida Energy Code. The Commission rejected the proposed amendments at its May 2008 meeting thereby not providing the coordination and cooperation requested by DCA.

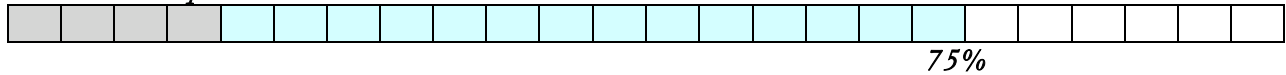
25. Investigate A Consistent Definition of “Bedroom” for Department of Health On-site Septic System Sizing Regulations

Schedule:

Appoint a Commission Ad Hoc committee	3/19/08
DOH appoint members to work with Commission Ad Hoc committee	3/08-4/08
Task group meetings	5/7/08
	10/15/08
Report to Commission and DOH	12/08

Status: In Progress

% Complete



Origination: The initiative to develop consistency between building department and health department judgments of the number of bedrooms in a home as it applies to onsite sewage treatment system sizing was suggested by Commissioner Browdy for two legislative sessions and the joint project with Department of Health was established mutual agreement during the 2007 Legislative Session.

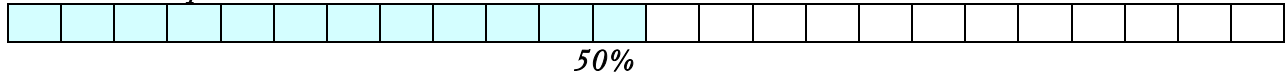
28. Develop Legislative Recommendation for Building Code Carbon Monoxide Detector Requirements

Schedule:

Mechanical TAC considers	10/13/08
Expand review to a workgroup to include additional stakeholder groups	10/15/08
Recommendations to Commission	12/08
Report to 2009 Legislature	2/09

Status: Pending

% Complete



Origination: Commissioner Bassett advised the Commission that the 2007 Law requirements for carbon monoxide detectors would not provide effective safety for facilities with boilers. Inquires were made by staff during the 2008 Legislative Session regarding delegating establishment of criteria to the Commission by rule. The response was the Commission should work on criteria that could be changed in law.

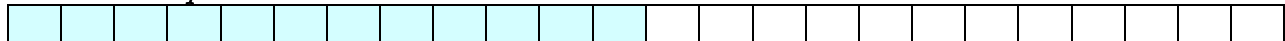
30. Develop Criteria for Evaluation Entity Approval and Adopt by Rule or Develop Recommendation for 2009 Legislature for Entities to be Recognized in Law

Schedule:

Product Approval POC considers at meetings	8/08-12/08
Recommendation to Commission for vote	12/10/08
Option 1: Recommend adding entities to list in law	
Commission includes in report to Legislature (See Task 36)	2/09
Option 2: Establish entity approval criteria by rule	
Initiate rule making to adopt criteria	2/09
Report criteria to Legislature in report (See Task 36)	2/09
Rule effective no later than (per HB 697)	7/1/09

Status: Pending

% Complete



50%

Origination: The 2008 Legislature directed the Commission to review the list of Product Evaluation Entities currently identified in law and either recommend modifications to the list or establish criteria for approval of additional entities by rule and report on those criteria to the 2009 Legislature.

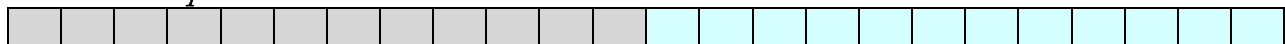
32. Design Charette for Hotel Room Accessibility

Schedule:

Charette planning	1/08-10/08
Conducted during December 2008 Commission meeting	12/08

Status: In Progress

% Complete



Completed

Origination: Accessibility TAC

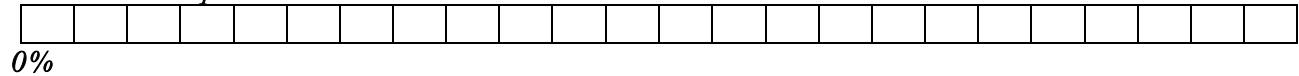
33. Evaluate Swimming Pool Entrapment Standards Application to Existing Pools

Schedule:

Evaluation 2/09-8/09
 Proposal for 2010 Legislature and/or 2010 FBC Update 12/09

Status: Pending

% Complete



Origination: Plumbing TAC recommendation approved by Commission June 2008. Proposed by Spa and Pool association.

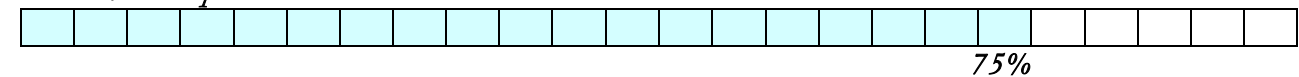
36. Evaluate Need for 4 Hour Bldg Code Core Course as Licensing Requirement

Schedule:

POC conducts workshops 08/08-12/08
 Recommendation to Commission for Report to Legislature 12/12/08
 Commission finalizes recommendations for Report 1/30/09
 Commission report to 2008 Legislature 2/09

Status: Pending

% Complete



Origination: Education POC. Voted approved by Commission at June 24, 2008 meeting.

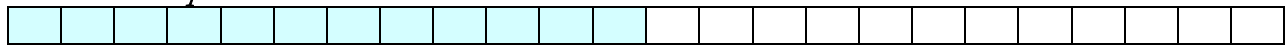
37. Evaluate Amending 9B-72.180 on Equivalency of ASTM E 1300-02 and ASTM E 1300-04 and Rule 9B-72.090 on Product Approval Self Affirmation

Schedule:

Structural TAC Recommendation on Equivalency to Commission	10/15/08
Rule Development Workshop	12/10/08
Rule Adoption Hearing	2/04/09
Rule Effective	4/09
POC Recommendation on Self Affirmation to Commission	12/12/08
Rule Proceeding	2/09-4/09

Status: Pending

% Complete



50%

Origination: Product Approval POC. Voted approved by Commission at June 24, 2008 meeting.

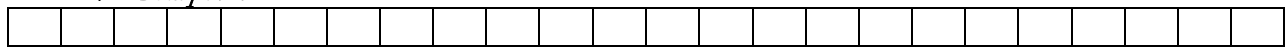
43. Coordination with Florida Department of Health on Accessible Restroom Requirements in Public Pool Licensing Regulations

Schedule:

Committee appointed	2/09
Meetings	4/09-6/09
Recommendation to Commission and DOH	8/09
DOH rule amendment and 2010 FBC submitted by	12/09

Status: Pending

% Complete



0%

Origination: Commissioner Norkunas' recommendation to the Commission approved at the June 2008 meeting.

2010 FBC UPDATE DEVELOPMENT TASKS

Code Assembly Process

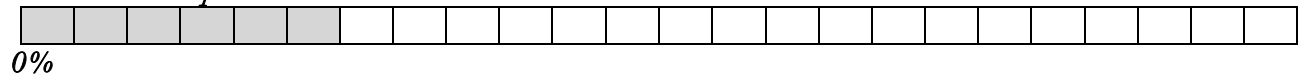
22.	Evaluate and Adopt the Development Process for the 2010 Florida Building Code
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Schedule:

Chairman appoints a study committee	1/08	
Committee meets to review and develop recommendation		12/08 – 4/09
Commission conducts public hearing and adopts plan		4/09

Status: Pending

% Complete



Origination: Chairman and Staff planning for the 2010 FBC development.

Hurricane Protection Requirements

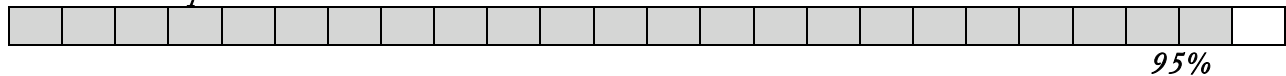
9.	Load Side - Wind Pressure Research
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Schedule:

Commission approved redirection of WBD project Phase II	3/07	
Amend contract with UF/ARA		4/07
Contract for Phase III		9/07
Progress reporting		9/30/07
		12/10/07
		1/30/08
Report on Phase III (Note: August 2008 mtng canceled due to TS Fay)		10/08 & 12/08

Status: Substantially Complete

% Complete



Origination: Hurricane Research Advisory Committee identified design pressure requirement error while conducting wind tunnel testing for the Panhandle wind-borne debris projected directed by the Legislature. Subsequent research was conducted to provide the base of improved roof edge design pressure requirements.

10. Resistance Side – Component and Cladding & MWFRS Research

Schedule:

Legislature appropriates funding	5/07
Contract with UF to conduct research (Includes post hurricane building damage assessment survey contingency)	9/07
HRAC develops research priority list	1/08
Report on Phase III	10/08 & 12/08

Status: In Progress

% Complete



Origination: Hurricane Research Advisory Committee identified building failures in 2004 and 2005 hurricanes, recommended quick-fixes for some and identified areas needing further research before standards are established. The Commission sought funding and research work was initiated in 2007.

24. Evaluate Hurricane Wind Pressure and Wind Driven Rain Criteria for Soffit Systems and Establish Labeling Requirements

Schedule:

Appoint workgroup	3/19/08
Include task in UF components and cladding contract	3/08
Workgroup meetings	11/6/08
	1/09-6/09
Recommendations ready to propose for 2010 FBC	6/09
Report to Structural TAC and Commission	2009

Status: Pending

% Complete



10%

Origination: Soffit manufacturers requested formation of a work group to develop label requirements similar to the Commission's action for windows, shutters and garage doors then expanded the request to include developing installation requirements. Investigation of performance and development of the basis for installation requirements is one of the elements of the components and cladding research being conducted under Task 10.

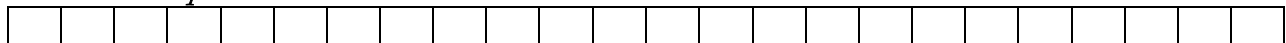
31. Develop Criteria for Use of Gravel Roof Systems

Schedule:

Appoint Workgroup	2/09
Workgroup meetings	4/09
	6/09
	8/09
Recommendations for 2010 FBC for Commission review	10/09
Proposals for 2010 FBC submitted	12/09

Status: Pending

% Complete



0%

Origination: During the evaluation of whether gravel roof systems should be prohibited by the 200 FBC, Task 19, the Florida Roofing and Sheet Metal Association and Commission agreed to retain gravel roof systems and apply the HVHZ criteria throughout the state initially then develop improvements to the systems.

38. Evaluate Adoption of Flood Standards in the Florida Building Code

Schedule:

Workgroup appointed	12/08
Workgroup meetings	1/09-6/09
Recommendations to Commission	6/09
Proposals for 2010 FBC submitted for adoption (See 2010 FBC development schedule)	12/09

Status: Pending

% Complete



5%

Origination: The Florida Division of Emergency Management and FEMA requested the policy established in 2000 regarding flood requirements adoption outside the building code be reviewed. DEM will provide a grant to fund the project.

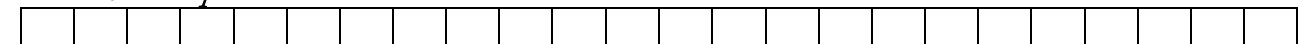
Green Technologies

34. Evaluate Rainwater Collection and Reuse for Process Water and Other “Green” Technologies in Coordination with DOH, Health Officials, DEP and Other Water Management Agencies

Schedule:

Appoint Workgroup	2/09
Workgroup meetings	4/09
	6/09
	8/09
Recommendations for 2010 FBC for Commission review	10/09
Proposals for 2010 FBC submitted	12/09

Status: Pending
% Complete



0%

Origination: Plumbing TAC recommendation approved by Commission June 2008. Also, of special note is the 2008 Energy Act (HB 7153) establishes water conservation policies that parallel energy conservation policies, some of which were assigned to the Commission. The building code law directs the Commission to address new technologies in the code and the field of “green technologies” is advancing rapidly. Standards essential to the development and recognition of safe products and systems are a responsibility of the Commission.

6. Evaluate in-home waste water recycling in coordination with Department of Health and Department of Environmental Protection (Previous Task 14)

Schedule:

Staff investigate DOH concerns and determine statutory authorities	10-12/06
Department of Health and DEP meeting	2/12/07
Follow-up meeting with DOH	3/08
Department of Health submits glitch amendment for consistency with its rule on use of gray water for landscape irrigation	6/1/08
2007 FBC updated to reflect state regulations on reuse of gray collection within a home (<i>See 2007 FBC schedule</i>)	12/31/08

Status: In progress

% Complete



95%

Origination: This task was originated based on overtures by the Florida Department of Health and Florida Department of Environmental Protection. It was first addressed for the 2007 FBC and resulted in the inclusion of the Florida Department of Health requirements for within home grey water capture and reuse for irrigation outside homes. Reuse inside homes was not completely addressed.

Accessibility Code

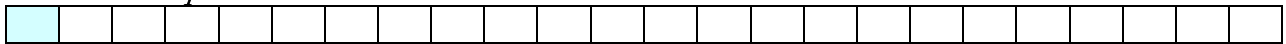
40. Develop Integration of Florida Accessibility Law into the New ADAAG Being Adopted by the U Department of Justice

Schedule:

Appoint work group	12/12/08
Staff Developed Starting Draft Meetings	1/09
Recommendation to Commission	2/09-8/09
Public Hearings	8/09
Commission adopts recommendation to Governor and Legislature	10/09, 12/09
Report to Legislature	12/09
	2/10

Status: Pending

% Complete



5%

Origination: Recommended by Access TAC and approved by Commission at October 2008 meeting.

**WORKPLAN PRIORITIZATION EXERCISE RESULTS
CONDUCTED OCTOBER 15, 2008**

WORKPLAN TASK	OVERALL RANKING
39.) Energy conservation measures	1
1.) Report to 2009 Legislature	2
22.) 2010 Code development process	3
9./10.) Research for hurricane resistance Code enhancements <ul style="list-style-type: none"> • window/water leakage • window/wall interface • soffit performance 	4
28.) CO detectors recommendations	5
35.) Develop plan to implement legislated energy efficiency increases	6
27.) Criteria for cost effectiveness test for increases in energy efficiency	7
30.) Develop list of evaluation entities & report to Legislature, or develop criteria for approving evaluation entities by rule	8
26./11.) Indoor Humidity & Moisture Control	9
16.) Efficiency standards for energy using products	10
38.) Evaluate adoption of flood standards in FBC (DEM, FEMA)	11
25.) Bedroom definition for septic tank sizing with DOH	12
33.) Entrapment standards for existing pools	13
37.) Evaluate equivalency of ASTM E 1300-02 and 04 & self affirmation for PA Rule 9B-72	14
24.) Soffit system labeling requirements	14
32.) Design charette for hotel room accessibility	16
31.) Develop enhancements for gravel roof systems	17
34.) Evaluate rainwater collection and use with DOH	18
36.) Evaluate need for Code Core Course requirement for licensing	19
29.) Criteria for energy efficient pool systems	20

ATTACHMENT 3

ACCESSIBILITY WAIVER SUMMARY

1. 800 Ocean Drive

Requirement: Vertical accessibility to all levels in a restaurant.

Action: The Council unanimously recommended approval with the condition the applicant determine the feasibility of widening the existing elevator door and provide its cost to determine whether it would be disproportionate to the cost of construction. Approval was based on technical infeasibility as well as the structure's status as a historic building.

Analysis: The project is a mixed use building with apartments on the second and third floors which are undergoing conversion to a hotel. The first floor is a café/restaurant that has multiple levels inside. The project will cost \$1,100,000 and its major obstacle is the existing elevator which does not meet present day interior size requirements, preventing some persons with disabilities from using the device. According to the applicant, the building is considered contributing to the historic character of the Art Deco historical district and if modification to the café area is required, it will adversely affect the historic character of the structure. At present, no alteration is planned for the café. In addition to the interior seating, outside tables are fully accessible to all patrons.

2. Brevard County High School CCC Auditorium

Requirement: Vertical accessibility to all rows of seats in a high school auditorium.

Action: The Council unanimously recommended approval based on it being unreasonable to require all rows of seats to be accessible.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to all rows of seats in a new, 869 seat auditorium. 15 wheelchair seating locations at the front and rear of the facility are planned, but not all accessible seating areas have an adjacent companion seat. Some accessible seats are also placed on the ends of the rows. No estimates have been provided as the applicant contends it is technically infeasible to make all rows accessible.

3. AMC Theatre at Tyrone Square

Action: The application was withdrawn at the request of the applicant.

Requirement: Vertical accessibility to all rows of seats in a movie theater complex.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to all rows of seats in a new, \$7,000,000 12-screen movie complex. The theaters range from 121 to 296 seats in each. The appropriate number of accessible seating locations with adjacent companion seats have been provided and no accessible seats are placed on the ends of the rows. All accessible locations are placed at the lower

portion of the higher section of stadium-style seating. An estimate of \$3,948,000 to provide vertical accessibility to all rows was submitted with the application.

4. Miami-Dade Fire Rescue Station 10

Requirement: Vertical accessibility to the second floor and toilet room areas used exclusively by firefighters.

Action: The Council unanimously recommended approval as the building had been designed using the Uniform Federal Accessibility Standards.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to the second floor and toilet rooms used exclusively by firefighters. The project is a new, 11,400 square foot facility costing \$3,980,000. According to the applicant, the fire station was designed in accordance with UFAS, which permits certain areas to be inaccessible, provided they are not available to the general public. The Council and Commission have reviewed similar projects in the past and have concluded that areas used by only by firefighters, who have bona fide requirements that they be physically fit, may not be required to comply.

5. Miami-Dade Fire Rescue Station 67

Requirement: Vertical accessibility to the second floor and toilet room areas used exclusively by firefighters.

Action: The Council unanimously recommended approval as the building had been designed using the Uniform Federal Accessibility Standards.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to the second floor and toilet rooms used exclusively by firefighters. The project is a new, 13,400 square foot facility costing \$2,700,000. According to the applicant, the fire station was designed in accordance with UFAS, which permits certain areas to be inaccessible, provided they are not available to the general public. The Council and Commission have reviewed similar projects in the past and have concluded that areas used by only by firefighters, who have bona fide requirements that they be physically fit, may not be required to comply.

6. Miami-Dade Fire Rescue Station 40

Requirement: Vertical accessibility to the second floor and toilet room areas used exclusively by firefighters.

Action: The Council unanimously recommended approval as the building had been designed using the Uniform Federal Accessibility Standards.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to the second floor and toilet rooms used exclusively by firefighters. According to the applicant, the addition to the existing fire station was designed in accordance with UFAS, which permits certain areas to be inaccessible, provided they are not available to the general public. The Council and Commission have reviewed similar projects in the past and have concluded that areas used by only by firefighters, who have bona fide requirements that they be physically fit, may not be required to comply.

7. Roads Montessori, LLC

Requirement: Vertical accessibility to the second floor of a preschool.

Action: The Council unanimously recommended approval based on disproportionate cost.

Analysis: The applicant is requesting /a waiver from providing vertical accessibility to the second floor of a 3,900 square foot preschool undergoing a \$345,000 alteration. According to the applicant, there are two age groups to be served: 18 month-3 years old and 3-6 years old. The building is designed so that there are facilities available for each group on the accessible first floor level. An estimate of \$105,980 to provide a wheelchair lift to the second floor was submitted. Note: Toilet facilities were not addressed in the application; however, it is unclear whether the toilet rooms intended for children have been designed in accordance with the ADAAG Guidelines for Children's Facilities. The toilet room intended for use by adults appears to be in compliance.

8. Cobb Theatres at Old Hyde Park Village

Requirement: Vertical accessibility to all rows of seats in a multi-screen movie theater complex.

Action: With five members present, the Council unanimously recommended approval after determining it is unreasonable to require all rows of seats to be accessible. The applicant is to submit plans to DCA staff to verify the dimensions of the accessible seating locations.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to all rows of seats in an existing movie theater complex that is being converted from having a sloped floor to stadium seating. In addition to installing the rows of seats, a 1,334 square foot full service kitchen is being installed. The project will cost \$1,850,000, and estimates of \$52,200-\$54,400 per theater (\$313,200-\$326,400 total) were submitted to provide vertical accessibility. Note: Not all required wheelchair seating locations are shown on the plans; the seats are not dispersed and not all required companion seating is a component of the design.

9. Chesterbrook Academy

Requirement: Mounting heights and reach ranges in children's toilet facilities.

Action: No waiver is necessary as the project was designed using the ADA Accessibility Guidelines for Building Element D for Children's Use for a day care center and could have been accepted by the local building official. Inasmuch as the applicant requested the waiver, the Council unanimously recommended approval in favor of the above-referenced guidelines as equivalent for children.

Analysis: The applicant is requesting a waiver from constructing toilet facilities for children in a day care center in accordance with the provisions of Chapter 11. The project is a new, one story 10,900 square foot building costing \$2,500,000. Toilets for staff and the public have been designed according to Chapter 11; however, all facilities for children comply with the ADA Accessibility Guidelines for Building Element Design for Children's Use.

10. Strike Industries

Requirement: Vertical accessibility to second floor offices.

Action: Deferred for additional information.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to a mezzanine containing five offices in a warehouse. The project will cost \$70,000 to convert the mezzanine storage to offices and to add a toilet room. Toilet room dimensions were not provided, and it is unclear if the room is in compliance. According to the applicant, the public is not invited to the second floor work areas. Estimates of \$9,518 and \$10,084 for a stair lift (**not** a platform lift or LULA) were submitted.

11. Ravallo Resort and Convention Center

Requirement: Vertical accessibility to the sunken living rooms in the non-accessible guest rooms.

Action: The Council unanimously recommended denial based on lack of hardship to allow the construction of barriers in a new facility.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to 489 sunken living areas in non-accessible guest rooms. The project is a new, \$160,000,000 resort and convention center with 527 luxury condo/hotel units. According to the applicant financial hardship is not the issue, and has compared the living room areas with the Commission's action with respect to stadium type movie theaters, in which they concluded it was unnecessary to have access to every row.

12. Trademark Cinemas, Coral Square 8

Requirement: Vertical accessibility to all rows of seats in a movie theater complex undergoing an alteration.

Action: The Council unanimously recommended deferral to allow the applicant to provide additional information including, but not limited to, detailed seating layouts showing the total number of seats, accessible and companion seating locations, dimensional plans and elevations showing line of sight for each theater house type.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to all rows of new stadium seating in an 8 screen movie complex. The building was constructed in 1984 and at that time, the floor was sloped. The wheelchair seating areas are being relocated from the rear of each auditorium to the center and are raised above the occupants of the seats directly in front of them. The project will cost approximately \$700,000 and according to the project designer, making each row accessible would cost approximately the same amount as adding the stadium seats, although no specific figure was submitted. Each theater's design has the required number of wheelchair locations, but in some instances, compliant companion seats have not been provided.

13. Stonehenge, LLC

Requirement: Vertical accessibility to second floor offices.

Action: The Council unanimously recommended approval based on disproportionate cost as well as the building's historic designation.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to the second floor of a 7,500 square foot building with a restaurant on the first floor and offices on the second. The structure is a qualified historic building, which was constructed in 1940. A waiver was previously issued to its former owner with the rationale that it would be technically infeasible to install an elevator or other form of vertical accessibility. Documentation was submitted that it would negatively impact the structural integrity of the building if a mechanical lift were installed

14. Brandt Information Services, Inc.

Requirement: Vertical accessibility to the second floor and basement of an office building.

Action: The building official's review and recommendation form was missing, which would have specified if any construction activity occurred over the previous three years. The Council unanimously recommended deferring the case for the applicant to provide this statement. However, the Council also agreed that if the applicant could provide the evidence prior to the Commission meeting for the chair's review, they would allow the recommendation to be changed to approval based on disproportionate cost. The evidence was presented and verified and the recommendation was for approval.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to the basement and second floor of an office building undergoing a \$55,000 alteration. The structure was built in 1970 and has been continually used for offices since that time. Estimates of \$45,900 - \$62,000 for elevators were submitted to substantiate the applicant's position that installing the equipment would be disproportionate to the cost of the alteration.

ATTACHMENT 4
PRODUCT AND ENTITY APPROVAL REPORT

ID	Manufacturer	Category	Subcategory	T B A	P O C	F B C	Comments	Stat.
Certification Method - FBC Voted Approval								
682-R2	TAMKO Building Products, Inc.	Roofing	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	Revision
1262-R2	Alenco	Windows	Fixed	a	a	a	Recommend Approval	Revision
1322-R4	Siplast / Icopal	Roofing	Roofing Insulation	a	a	a	Recommend Approval	Revision
1512-R4	EFCO Corporation	Windows	Projected	a	a	a	Recommend Approval	Revision
1520-R3	EFCO Corporation	Windows	Fixed	a	a	a	Recommend Approval	Revision
1545-R2	W.P. Hickman Systems, Inc.	Roofing	Built up Roofing	a	a	a	Recommend Approval	Revision
1548-R4	EFCO Corporation	Windows	Casement	a	a	a	Recommend Approval	Revision
1551-R3	EFCO Corporation	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
1555-R3	EFCO Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
1648-R2	Kolbe and Kolbe Millwork	Windows	Fixed	a	a	a	Recommend Approval	Revision
1665-R2	Kolbe and Kolbe Millwork	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
1814-R3	WOODLAND INDUSTRIES, INC.	Roofing	Underlayments	a	a	a	Recommend Approval	Revision
1934-R2	PHILIPS PRODUCTS INC.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
1956-R2	TAMKO Building Products, Inc.	Roofing	Asphalt Shingles	a	a	a	Recommend Approval	Revision
2019-R3	Santafe Tile Corp	Roofing	Roofing Tiles	a	a	a	Recommend Approval	Revision

3189-R1	Superior Window Corp.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
3792-R2	Lomanco, Inc	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	Revision
4087-R2	TAMKO Building Products, Inc.	Roofing	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	Revision
4177-R2	ODL/Western Reflections	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
4571-R2	Lincoln Wood Products, Inc. / Timeline Vinyl Products, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
4572-R1	Lincoln Wood Products, Inc. / Timeline Vinyl Products, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
4602-R2	Exeter Architectural Products	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
4673-R1	KML Windows, Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
4891-R2	Nucor Building Systems	Structural Components	Roof Deck	a	a	a	Recommend Approval	Revision
5177-R2	Simonton Windows	Windows	Fixed	a	a	a	Recommend Approval	Revision
5185-R2	Simonton Windows	Windows	Awning	a	a	a	Recommend Approval	Revision
5262-R1	Therma-Tru Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5265-R1	Therma-Tru Corporation	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5414-R3	Simonton Windows	Windows	Single Hung	a	a	a	Recommend Approval	Revision
6212	Panda Windows and Doors	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New

6542-R2	Lincoln Wood Products, Inc. / Timeline Vinyl Products, Inc.	Windows	Double Hung	a	a	a	Recommend Approval	Revision
6627-R1	Marvin Windows and Doors	Windows	Mullions	a	a	a	Recommend Approval	Revision
6642-R2	Lincoln Wood Products, Inc. / Timeline Vinyl Products, Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
7080-R1	Alenco	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
7081-R1	Alenco	Windows	Fixed	a	a	a	Recommend Approval	Revision
7154-R1	TAMKO Building Products, Inc.	Roofing	Asphalt Shingles	a	a	a	Recommend Approval	Revision
7460-R1	Lincoln Wood Products, Inc. / Timeline Vinyl Products, Inc.	Windows	Awning	a	a	a	Recommend Approval	Revision
7461-R1	Lincoln Wood Products, Inc. / Timeline Vinyl Products, Inc.	Windows	Casement	a	a	a	Recommend Approval	Revision
7612-R1	Simonton Windows	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
7673-R1	Alenco	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
7969-R1	Roller Star USA	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
8257-R1	DORMA Architectural Hardware	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
8299-R3	PHILIPS PRODUCTS INC.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
8317-R1	Roller Star USA	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
8500-R2	Simonton Windows	Windows	Fixed	a	a	a	Recommend Approval	Revision
8754-R1	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8865-R1	Absolute Storm Protection	Windows	Dual Action	a	a	a	Recommend Approval	Revision
8866-R1	Absolute Storm Protection	Windows	Fixed	a	a	a	Recommend Approval	Revision

8972-R1	Energy Saving Products of Florida	Windows	Single Hung	a	a	a	Recommend Approval	Revision
8974-R1	Energy Saving Products of Florida	Windows	Fixed	a	a	a	Recommend Approval	Revision
8976-R1	Alenco	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8977-R1	Energy Saving Products of Florida	Windows	Fixed	a	a	a	Recommend Approval	Revision
8979-R1	Energy Saving Products of Florida	Windows	Casement	a	a	a	Recommend Approval	Revision
8998-R1	Energy Saving Products of Florida	Windows	Double Hung	a	a	a	Recommend Approval	Revision
9022-R1	Energy Saving Products of Florida	Windows	Fixed	a	a	a	Recommend Approval	Revision
9026-R1	Energy Saving Products of Florida	Windows	Fixed	a	a	a	Recommend Approval	Revision
9479-R1	DORMA Architectural Hardware	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
9883-R1	PHILIPS PRODUCTS INC.	Windows	Fixed	a	a	a	Recommend Approval	Revision
9884-R1	PHILIPS PRODUCTS INC.	Windows	Double Hung	a	a	a	Recommend Approval	Revision
9885-R2	PHILIPS PRODUCTS INC.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
10015-R1	Pella Corporation	Windows	Casement	a	a	a	Recommend Approval	Revision
10022-R1	Pella Corporation	Windows	Fixed	a	a	a	Recommend Approval	Revision
10026-R1	Pella Corporation	Windows	Awning	a	a	a	Recommend Approval	Revision
10297-R2	JELD-WEN	Windows	Fixed	a	a	a	Recommend Approval	Revision
10332-R1	Alenco	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
10335-R2	JELD-WEN	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision

10338 -R2	JELD-WEN	Windows	Fixed	a	a	a	Recommend Approval	Revision
10346 -R1	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10354 -R1	Pella Corporation	Windows	Fixed	a	a	a	Recommend Approval	Revision
10419 -R1	BiltBest Windows and Patio Doors	Windows	Double Hung	a	a	a	Recommend Approval	Revision
10541 -R1	JORDAN WINDOWS and DOORS	Windows	Fixed	a	a	a	Recommend Approval	Revision
10543 -R1	JORDAN WINDOWS and DOORS	Windows	Single Hung	a	a	a	Recommend Approval	Revision
10598 -R1	Marvin Windows and Doors	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10674 -R1	Owens Corning	Roofing	Asphalt Shingles	a	a	a	Recommend Approval	Revision
10797 -R1	JORDAN WINDOWS and DOORS	Windows	Single Hung	a	a	a	Recommend Approval	Revision
10873	M W Manufacturers Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
10875	M W Manufacturers Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval - Deferred with condition of: Testing laboratory, evaluating engineer and certification agency explain the testing conditions and rationale for not having anchors on sill. Applicant is providing anchors on sill.	New
10919	Gorell Enterprises Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
10938 -R1	JELD-WEN	Windows	Awning	a	a	a	Recommend Approval	Revision
10939 -R1	JELD-WEN	Windows	Casement	a	a	a	Recommend Approval	Revision
10940 -R1	JELD-WEN	Windows	Double Hung	a	a	a	Recommend Approval	Revision
10944 -R1	JELD-WEN	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10956 -R1	Marvin Windows and Doors	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10966 -R1	JELD-WEN	Windows	Fixed	a	a	a	Recommend Approval	Revision

10967 -R1	JELD-WEN	Windows	Double Hung	a	a	a	Recommend Approval	Revision
10993	Sol-A-Trol Aluminum Products	Windows	Fixed	a	a	a	Recommend Approval	New
11028	Window Craftsmen Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
11244	ProVia Door, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11251 -R1	JELD-WEN	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
11366	Pella Corporation	Windows	Double Hung	a	a	a	Recommend Approval	New
11388	Newtown-Slocomb Manufacturing, Inc.	Windows	Double Hung	a	a	a	Recommend Approval	New
11390	Newtown-Slocomb Manufacturing, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
11391	General Aluminum Company	Windows	Fixed	a	a	a	Recommend Approval	New
11392	Newtown-Slocomb Manufacturing, Inc.	Windows	Casement	a	a	a	Recommend Approval	New
11393	Newtown-Slocomb Manufacturing, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11409	Regency Plus Incorporated	Windows	Fixed	a	a	a	Recommend Approval	New
11411	Regency Plus Incorporated	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11412	Regency Plus Incorporated	Windows	Single Hung	a	a	a	Recommend Approval	New
11415	JELD-WEN	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
11417	Oliveri Millworks	Windows	Casement	a	a	a	Recommend Approval	New
11436	Custom Door and Millworks	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11443	General Aluminum Company	Windows	Fixed	a	a	a	Recommend Approval	New

11444	JELD-WEN	Windows	Casement	a	a	a	Recommend Approval	New
11460	Knight Industries, LLC	Roofing	Roofing Insulation	a	a	a	Recommend Approval	New
11461	JELD-WEN	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
11463	JELD-WEN	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11464	JELD-WEN	Windows	Awning	a	a	a	Recommend Approval	New
11465	JELD-WEN	Windows	Casement	a	a	a	Recommend Approval	New
11466	JELD-WEN	Windows	Double Hung	a	a	a	Recommend Approval	New
11467	JELD-WEN	Windows	Fixed	a	a	a	Recommend Approval	New
11469	Pella Corporation	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
11477	Regency Plus Incorporated	Windows	Fixed	a	a	a	Recommend Approval	New
11479	Regency Plus Incorporated	Windows	Mullions	a	a	a	Recommend Approval	New
11484	Pella Corporation	Windows	Fixed	a	a	a	Recommend Approval	New
11497	Pella Corporation	Windows	Fixed	a	a	a	Recommend Approval	New
11498	Pella Corporation	Windows	Awning	a	a	a	Recommend Approval	New
11502	Pella Corporation	Windows	Double Hung	a	a	a	Recommend Approval	New
11504	Pella Corporation	Windows	Casement	a	a	a	Recommend Approval	New
11511	Windsor Windows and Doors	Windows	Fixed	a	a	a	Recommend Approval	New
11512	Windsor Windows and Doors	Windows	Casement	a	a	a	Recommend Approval	New
11517	Windsor Windows and Doors	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11520	Soprema, Inc.	Roofing	Waterproofing	a	a	a	Recommend Approval	New
11523	Kolbe and Kolbe Millwork	Windows	Casement	a	a	a	Recommend Approval	New
11527	Yale Security Inc.	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	New
11529	Bayer Material Science LLC	Roofing	Spray Applied Polyurethane Roof System	a	a	a	Recommend Approval	New
11537	CURRIES	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	New

11544	JELD-WEN	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
11548	MI Windows and Doors	Windows	Fixed	a	a	a	Recommend Approval	New
11550	MI Windows and Doors	Windows	Double Hung	a	a	a	Recommend Approval	New
11552	MI Windows and Doors	Windows	Fixed	a	a	a	Recommend Approval	New
11555	Florida Extruders International, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	New
11556	Florida Extruders International, Inc.	Windows	Casement	a	a	a	Recommend Approval	New
11558	Florida Extruders International, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11567	Alenco	Windows	Fixed	a	a	a	Recommend Approval	New
11576	BiltBest Windows and Patio Doors	Windows	Double Hung	a	a	a	Recommend Approval	New
11577	BiltBest Windows and Patio Doors	Windows	Fixed	a	a	a	Recommend Approval	New
11595	JELD-WEN	Windows	Fixed	a	a	a	Recommend Approval	New
11603	Impact Shutter Technology, Inc.	Shutters	Accordion	a	a	a	Recommend Approval	New
11606	Grand Glass Company	Windows	Fixed	a	a	a	Recommend Approval	New
11607	Grand Glass Company	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11609	Georgia-Pacific Wood Products LLC	Structural Components	Engineered Lumber	a	a	a	Recommend Approval	New
11612	Craft-Bilt Manufacturing Company	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
11624	Atrium Companies Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11626	Atrium Companies Inc.	Windows	Single Hung	a	a	a	Recommend Approval	New
11630	Pella Corporation	Windows	Double Hung	a	a	a	Recommend Approval	New

11632	Pella Corporation	Windows	Double Hung	a	a	a	Recommend Approval	New
11639	Kolbe and Kolbe Millwork	Windows	Single Hung	a	a	a	Recommend Approval	New
11643	Roofmart International Inc	Roofing	Cements-Adhesives-Coatings	a	a	a	Recommend Approval	New
11645	Traco Windows and Doors, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	New
11647	Us Tile	Roofing	Roofing Tiles	a	a	a	Recommend Approval	New
11652	Traco Windows and Doors, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11653	Traco Windows and Doors, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
Evaluation by Engineer/ Architect -FBC Voted Approval								
163-R2	Custom Window Systems, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
393-R3	All American Shutters, Inc.	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
1654-R4	POLYGLASS USA	Roofing	Modified Bitumen Roof System	a	a	a	Recommend Approval	Revision
1767-R2	Dunbarton Corporation	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
1768-R2	Dunbarton Corporation	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
2623-R2	Dunbarton Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
2664-R2	CENTRIA	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
2686-R2	Nucor Building Systems	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
2748-R1	Superior Window Corp.	Windows	Projected	a	a	a	Recommend Approval	Revision
3030-R3	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
3072-R2	Morton Buildings, Inc	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
3073-R2	Morton Buildings, Inc	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
3155-R2	CENTRIA	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
3181-R1	Superior Window Corp.	Windows	Casement	a	a	a	Recommend Approval	Revision

3227-R6	Wayne-Dalton Corp.	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
3400-R1	E.F. Bavis and Associates, Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
3877-R2	Dunbarton Corporation	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
4091-R3	Custom Window Systems, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
4092-R2	Custom Window Systems, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
4452-R2	Custom Window Systems, Inc.	Windows	Casement	a	a	a	Recommend Approval	Revision
4538-R1	E.F. Bavis and Associates, Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
4541-R1	Discount Direct Metal Roofing	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
4554-R2	ODL/Western Reflections	Windows	Fixed	a	a	a	Recommend Approval	Revision
4608-R1	Roller Star USA	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
4609-R1	Roller Star USA	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
4746-R1	QMI	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
4747-R1	QMI	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
4760-R1	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
4764-R1	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
4811-R1	Dunbarton Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
4911-R1	GAF Materials Corporation	Roofing	Waterproofing	a	a	a	Recommend Approval	Revision
5020-R1	Roller Star USA	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
5102-R1	Ready Access Inc.	Windows	Pass Through	a	a	a	Recommend Approval	Revision
5206-R1	Marlyn Metals, Inc.	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
5675-R1	Clopay Building Products Company	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5764-R1	Rollsecure	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
5823-R3	Custom Window Systems, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
5825-	QMI	Shutters	Roll-up	a	a	a	Recommend Approval	Revision

R1								
5830-R1	QMI	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
5900-R2	Amarr Garage Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5973-R1	Metalcraft, Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
6080-R1	Nor-Lake, Incorporated	Structural Components	Exterior Coolers-Freezers	a	a	a	Recommend Approval	Revision
6142-R1	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
6184-R1	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
6229-R1	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
6234-R1	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
6267-R1	GAF Materials Corporation	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	Revision
6332-R2	Polyfoam Products, Inc	Roofing	Roof Tile Adhesives	a	a	a	Recommend Approval	Revision
6554-R1	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
6570-R1	Marlyn Steel Decks, Inc.	Structural Components	Roof Deck	a	a	a	Recommend Approval	Revision
6587-R1	E.F. Bavis and Associates, Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
6628-R1	CENTRIA	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
6707	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
6729	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision

6890-R2	Custom Window Systems, Inc.	Windows	Casement	a	a	a	Recommend Approval	Revision
7060-R3	Custom Window Systems, Inc.	Windows	Awning	a	a	a	Recommend Approval	Revision
7067-R2	Custom Window Systems, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
7152-R2	Amarr Garage Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
7207-R1	Streamline Roofing And Construction, Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
7241-R1	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
7543-R1	M W Manufacturers Inc.	Windows	Mullions	a	a	a	Recommend Approval	Revision
7579-R1	TRIAD CORRUGATED METALS	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
7800-R1	W & F Manufacturing, Inc.	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
7801-R1	W & F Manufacturing, Inc.	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
7802-R1	W & F Manufacturing, Inc.	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
7814-R1	Scandinavian Profiling System, Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
7840-R1	Creaton AG	Roofing	Roofing Tiles	a	a	a	Recommend Approval	Revision
7858-R2	Custom Window Systems, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
7960-R2	Trinity Glass International	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8078-R1	Dunbarton Corporation	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
8088-R1	Dunbarton Corporation	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
8172-R3	Dunbarton Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision

8211-R1	All American Shutters, Inc.	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
8332-R2	CENTRIA	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
8386-R1	Scandinavian Profiling System, Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
8406-R1	TRIAD CORRUGATED METALS	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
8416-R1	Creaton AG	Roofing	Roofing Tiles	a	a	a	Recommend Approval	Revision
8688-R1	Ecolite Concrete USA, Inc.	Structural Components	Structural Wall	a	a	a	Recommend Approval	Revision
8726	Cat 5 Hurricane Products, LLC	Shutters	Storm Panels	a	a	a	Recommend Approval	New
8763-R1	Rollsecure	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
8765-R1	Scandinavian Profiling System, Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
8888-R1	ASTA DOOR CORPORATION	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8918-R1	All American Shutters, Inc.	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
9000-R1	Berridge Manufacturing Co.	Panel Walls	Soffits	a	a	a	Recommend Approval	Revision
9093-R1	Schulte Building Systems	Structural Components	Roof Deck	a	a	a	Recommend Approval	Revision
9225-R3	Dunbarton Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9254-R1	TRIAD CORRUGATED METALS	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
9267-R1	Brannen Millwork Company	Windows	Casement	a	a	a	Recommend Approval	Revision
9443-R1	Union Corrugating	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision

9517-R1	DaVinci Roofscapes, LLC	Roofing	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	Revision
9781-R2	Berridge Manufacturing Co.	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
9900-R1	ASI Building Products	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
10079-R1	Dunbarton Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10080-R1	Graham Architectural Products	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10091-R1	ODL/Western Reflections	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
10239-R1	Eagle Window and Door, Inc	Windows	Double Hung	a	a	a	Recommend Approval	Revision
10264-R2	Firestone Building Products Company, LLC.	Roofing	Single Ply Roof Systems	a	a	a	Recommend Approval	Revision
10319-R1	Coastal Metal Roofing, Inc	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
10353-R1	Hexaport International, Ltd.	Structural Components	Structural Wall	a	a	a	Recommend Approval	Revision
10498	Advantage Millwork Company	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
10601-R1	Firestone Metal Products, LLC.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
10706	Best Rolling Doors, Inc	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	Recommend Approval - Deferred with condition of addressing bottom slat design detailed on drawings with the deflection indicated on test report. Testing laboratory indicated that bottom slat was not on uplift and therefore there was no opening created by the deflection.	Deferred
10753-R1	Town and Country Industries,	Shutters	Accordion	a	a	a	Recommend Approval	Revision
10842	Amarr Garage Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New

10847	Buffelen Woodworking Co.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11004-R1	EXTREME IMPACT SHUTTER SUPPLY INC	Shutters	Colonial	a	a	a	Recommend Approval	Revision
11015	EXTREME IMPACT SHUTTER SUPPLY INC	Shutters	Bahama	a	a	a	Recommend Approval - Deferred and complied with condition of: Provide additional impact test with an impact of the storm bar at mid-point.	New
11031	C.H.I. Overhead Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11088	Shwinco Industries Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11099	Marlyn Metals, Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
11104	Mai Doors by Distinctive Doors	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11106	Custom Window Systems, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
11118	Pella Entry Systems-Wylie Operations	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11160	Force V Environmental, LLC	Windows	Casement	a	a	a	Recommend Approval	New
11203	Force V Environmental, LLC	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11204	Force V Environmental, LLC	Windows	Fixed	a	a	a	Recommend Approval	New
11205	Force V Environmental, LLC	Windows	Mullions	a	a	a	Recommend Approval	New
11212	VIntage Ironworks L.L.C. formerly Elegant Systems	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11229	Mesker Door, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11234	Architectural Metal Fabrication/Gutter Drain	Roofing	Metal Roofing	a	a	a	Recommend Approval	New

11267	Overhead Door Corporation	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11273	EXTREME IMPACT SHUTTER SUPPLY INC	Shutters	Colonial	a	a	a	Recommend Approval	New
11288-R1	CertainTeed Corporation-Roofing	Roofing	Underlayments	a	a	a	Recommend Approval	Revision
11305	Overhead Door Corporation	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	Recommend Approval	New
11321	Builders Hardware Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11322	St. Cloud Window, Inc.	Windows	Double Hung	a	a	a	Recommend Approval	New
11323	St. Cloud Window, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
11324	St. Cloud Window, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11333	Atrium Companies Inc.	Windows	Single Hung	a	a	a	Recommend Approval	New
11334	Atrium Companies Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11349-R1	American Shutter Systems Association, Inc.	Shutters	Accordion	a	a	a	Recommend Approval	Revision
11352-R1	American Shutter Systems Association, Inc.	Shutters	Accordion	a	a	a	Recommend Approval	Revision
11361	C.H.I. Overhead Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11362	C.H.I. Overhead Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11367	AWP, LLC	Windows	Single Hung	a	a	a	Recommend Approval	New
11372	Pella Corporation	Windows	Mullions	a	a	a	Recommend Approval	New
11379	CAT5 Hurricane Screens, LLC.	Shutters	Fabric Storm Panel	a	a	a	Recommend Approval	New
11399	Custom Window Systems, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New

11400	Custom Window Systems, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
11401	Custom Window Systems, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	New
11402	Custom Window Systems, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	New
11405	CAOBA Doors	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11410	Regency Plus Incorporated	Windows	Casement	a	a	a	Recommend Approval	New
11414	McPhillips Manufacturing Company	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11422	Berridge Manufacturing Co.	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
11435	Whirlwind Building Systems	Structural Components	Roof Deck	a	a	a	Recommend Approval	New
11462	Berridge Manufacturing Co.	Panel Walls	Siding	a	a	a	Recommend Approval	New
11471	Whirlwind Building Systems	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
11472	Whirlwind Building Systems	Structural Components	Structural Wall	a	a	a	Recommend Approval	New
11474	Brannen Millwork Company	Windows	Double Hung	a	a	a	Recommend Approval	New
11475	Johns Manville	Roofing	Single Ply Roof Systems	a	a	a	Recommend Approval	New
11480	Solatube International, Inc	Sky Lights	Skylight	a	a	a	Recommend Approval	New
11488	Kawneer Company, Inc.	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
11490	Kawneer Company, Inc.	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
11491	Kawneer Company, Inc.	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
11492	Kawneer Company, Inc.	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
11493	Surewood Door	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New

11495	Surewood Door	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11500	Best Shutter Company	Shutters	Roll-up	a	a	a	Recommend Approval	New
11514	Taylor Building Products	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	New
11515	RSL, Inc.	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	New
11516	SABIC Innovative Plastics US, LLC DBA SABIC Polymershapes	Shutters	Storm Panels	a	a	a	Recommend Approval	New
11521	Overhead Door Corporation	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11522	Overhead Door Corporation	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11524	SABIC Innovative Plastics US, LLC DBA SABIC Polymershapes	Sky Lights	Skylight	a	a	a	Recommend Approval	New
11526	Roller Star USA	Shutters	Accordion	a	a	a	Recommend Approval	New
11528	Suncoast Designers, Inc.	Windows	Mullions	a	a	a	Recommend Approval	New
11540	Advanced Green Technologies	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	New
11541	Advanced Green Technologies	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	New
11543	Mesker Door, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11560	Metal Sales Manufacturing Corporation	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
11566	Town and Country Industries,	Shutters	Colonial	a	a	a	Recommend Approval	New

11568	Kawneer Company, Inc.	Windows	Projected	a	a	a	Recommend Approval	New
11569	Town and Country Industries,	Shutters	Bahama	a	a	a	Recommend Approval	New
11582	Regency Plus Incorporated	Windows	Mullions	a	a	a	Recommend Approval	New
11589	USDoor And Building Components	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	Recommend Approval	New
11602	InterWrap, Inc.	Roofing	Underlayments	a	a	a	Recommend Approval	New
11608	CROCI NORTH AMERICA	Shutters	Roll-up	a	a	a	Recommend Approval	New
11610	Atrium Companies Inc.	Shutters	Fabric Storm Panel	a	a	a	Recommend Approval	New
11613	MI Windows and Doors	Windows	Mullions	a	a	a	Recommend Approval	New
11625	Millennium Fasteners, Inc.	Structural Components	Anchors	a	a	a	Recommend Approval	New
11627	Elite Aluminum Corporation	Panel Walls	Storefronts	a	a	a	Recommend Approval	New
11663	Cladding Systems, Inc.	Panel Walls	Siding	a	a	a	Recommend Approval	New
Evaluation by Test Report - FBC Voted Approval								
5259-R4	POLYGLASS USA	Roofing	Underlayments	a	a	a	Recommend Approval	Revision
9577	Benjamin Obdyke Incorporated	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	New
10400-R1	TAMKO Building Products, Inc.	Roofing	Modified Bitumen Roof System	a	a	a	Recommend Approval	Revision
10931	Carlisle SynTec Incorporated	Sky Lights	Skylight	a	a	a	Recommend Approval	New
11384	YKK AP America Residential	Windows	Fixed	a	a	a	Recommend Approval	New
11538	YKK AP America Residential	Windows	Awning	a	a	a	Recommend Approval	New

11539	YKK AP America Residential	Windows	Fixed	a	a	a	Recommend Approval	New
11617	Secure Enterprises, LLC	Exterior Doors	Exterior Door Component Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
Evaluation by Evaluation Entity - FBC Voted Approval								
859-R2	United Steel Products Company	Structural Components	Wood Connectors	a	a	a	Recommend Approval	Revision
1392-R2	Boise Engineered Wood Products	Structural Components	Engineered Lumber	a	a	a	Recommend Approval	Revision
2037-R1	Celcore Incorporated	Roofing	Roofing Insulation	a	a	a	Recommend Approval	Revision
2440-R3	Roseburg Forest Products	Structural Components	Engineered Lumber	a	a	a	Recommend Approval	Revision
3423-R2	Dryvit Systems, Inc	Panel Walls	Exterior Insulation Finish System	a	a	a	Recommend Approval	Revision
5930-R2	Huber Engineered Woods LLC	Structural Components	Roof Deck	a	a	a	Recommend Approval	Revision
10890	BASF Construction Chemicals, LLC	Panel Walls	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
Entities Application -FBC Voted Approval								
CER 3718	CSA International	Product Certification Agency		a	a	a	Recommend Approval	Revision
TST 1685	Construction Consulting Laboratory International	Product Testing Laboratory		a	a	a	Recommend Approval	Revision

TST 1691	Hurricane Engineering and Testing, Inc.	Product Testing Laboratory		a	a	a	Recommend Approval	Revision
TST 1910	Architectural Testing, Inc. - Texas	Product Testing Laboratory		a	a	a	Recommend Approval	Revision
TST 2561	Southwest Research Institute Fire Technology Department	Product Testing Laboratory		a	a	a	Recommend Approval	Revision
TST 3782	American Test Lab of South Florida Inc.	Product Testing Laboratory		a	a	a	Recommend Approval	Revision
QUA 1743	Underwriters Laboratories Inc.	Product Quality Assurance		a	a	a	Recommend Approval	Revision
QUA 2563	Southwest Research Institute Department of Fire Technology	Product Quality Assurance		a	a	a	Recommend Approval	Revision
QUA 7733	Farabaugh Engineering and Testing, Inc.	Product Quality Assurance		a	a	a	Recommend Approval	New
Discussion Items								
11570	Windsor Windows and Doors	Windows	Fixed	c	c	c	Recommend Conditional Approval with condition of: Installation drawings shall indicate pressure as certified.	New
11571	Windsor Windows and Doors	Exterior Doors	Sliding Exterior Door Assemblies	c	c	c	Recommend Conditional Approval with condition of: Installation drawings shall indicate pressure as certified.	New
11573	Windsor Windows and Doors	Exterior Doors	Swinging Exterior Door Assemblies	c	c	c	Recommend Conditional Approval with condition of: Installation drawings shall indicate pressure as certified.	New
11619	Windsor Windows and Doors	Windows	Casement	c	c	c	Recommend Conditional Approval with condition of: Installation drawings shall indicate pressure as certified.	New
Public Comments Certification Method								
599- R4	Nu-Vue Industries Inc.	Structural Components	Wood Connectors	a	c	c	<u>Recommend Conditional Approval with condition of: Include NDS 2005 on application under Testing Standards.</u>	Revision

599-R4	Comment by Randy Shackelford					<p>I am writing to comment on Florida applications number 599-R4 and 2047-R3 that are before the commission in December.</p> <p>The code referenced standard list for these applications is incomplete. The list should also include the American Forest and Paper Association (AF&PA) National Design Specification (NDS) 2005.</p> <p>Section 1715 governs the allowable load derivation for joist hangers and similar devices. It requires that, in addition to tests, the allowable load of the fasteners in wood and the direct capacity of the wood members themselves be calculated (1715.1.2). This can only be done using the NDS. In addition, while the HVHZ does not specifically require this standard in the code body text, it is required in Miami-Dade County Checklist #0490 for approval of wood connectors.</p> <p>In fact, all three of the Notices of Acceptance that are used for these approvals specifically state in the general notes that the allowable loads are based on the NDS, and in fact there was enough concern that a letter was uploaded to indicate that the loads complied with the 2005 Standard in the Florida Building Code.</p> <p>I normally would not find this that big an objection, but I have discovered that another manufacturer has been able to re-affirm old approvals, despite the standard in the code changing, because they did not list this standard in the application. So I will be raising this point on all submittals in the future that do not include this standard.</p>	
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599-R4	Response by Vipin Tolat						<p>I would like to inform POC that Simpson is a competitor of NuVue Industries and the suggestion by Simpson to enter NDS 2005 as a reference standard in the subject applications is well meant. However POC should be made aware that NDS 2005 is mentioned in the Miami-Dade County NOAs upon which are based applications FL 599-R4 and 2047-R3 and NOAs are uploaded into the applications and so NDS 2005 is part of the applications. Also these applications were previously approved 3 times without NDS referenced in the applications.</p> <p>We, therefore, request POC that these applications be approved this time as they are and if that is not possible, then approve them conditionally and then NDS 2005 can be inserted in the applications.</p>	
599-R4	Comment by Administrator						<p>The application contains a letter from evaluation engineer indicating compliance with NDS 2005. This document was accepted by certification agency (Miami-Dade BCCO) that validated the application.</p>	
2047-R3	Nu-Vue Industries Inc.	Structural Components	Wood Connectors	a	c	c	<p><u>Recommend Conditional Approval with condition of: Include NDS 2005 on application under Testing Standards.</u></p>	Revision

2047-R3	Comment by Randy Shackelford					<p>I am writing to comment on Florida applications number 599-R4 and 2047-R3 that are before the commission in December.</p> <p>The code referenced standard list for these applications is incomplete. The list should also include the American Forest and Paper Association (AF&PA) National Design Specification (NDS) 2005.</p> <p>Section 1715 governs the allowable load derivation for joist hangers and similar devices. It requires that, in addition to tests, the allowable load of the fasteners in wood and the direct capacity of the wood members themselves be calculated (1715.1.2). This can only be done using the NDS. In addition, while the HVHZ does not specifically require this standard in the code body text, it is required in Miami-Dade County Checklist #0490 for approval of wood connectors.</p> <p>In fact, all three of the Notices of Acceptance that are used for these approvals specifically state in the general notes that the allowable loads are based on the NDS, and in fact there was enough concern that a letter was uploaded to indicate that the loads complied with the 2005 Standard in the Florida Building Code.</p> <p>I normally would not find this that big an objection, but I have discovered that another manufacturer has been able to re-affirm old approvals, despite the standard in the code changing, because they did not list this standard in the application. So I will be raising this point on all submittals in the future that do not include this standard.</p>	
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2047-R3	Response by Vipin Tolat						<p>I would like to inform POC that Simpson is a competitor of NuVue Industries and the suggestion by Simpson to enter NDS 2005 as a reference standard in the subject applications is well meant. However POC should be made aware that NDS 2005 is mentioned in the Miami-Dade County NOAs upon which are based applications FL 599-R4 and 2047-R3 and NOAs are uploaded into the applications and so NDS 2005 is part of the applications. Also these applications were previously approved 3 times without NDS referenced in the applications.</p> <p>We, therefore, request POC that these applications be approved this time as they are and if that is not possible, then approve them conditionally and then NDS 2005 can be inserted in the applications.</p>	
2047-R3	Comment by Administrator						The application contains a letter from evaluation engineer indicating compliance with NDS 2005. This document was accepted by certification agency (Miami-Dade BCCO) that validated the application.	
11089	Flesher Windows, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	⌘			Recommend Approval	New
11089	Comment by Jaime Gascon						Certification is for OXXX only, and drawings show approval for more than 4 panels. Also, needs to consider concentrated load at ends of interlocks when calculating anchors. This product has a PVB by Solutia qualified for large missile in a dry glazed condition. This is unheard of in the industry. Detail glazing as tested for use in the HVHZ.	
11089	Recommendation by Administrator				d	d	<u>Recommend Deferral with conditions of: Installation instructions shall include only configurations certified; Provide test reports to verify glazing as tested.</u>	
11483	Therma-Tru Corporation	Exterior Doors	Swinging Exterior Door Assemblies	⌘			Recommend Approval	New
11483	Comment by Jaime Gascon						Needs glazing detail and specification for glass on all products with sidelites as tested.	New

11483	Response by Rick Wright					<p>This application is posted under certification mark.</p> <p>My understanding of a certification mark is the Certifying agency (NAMI for this approval) is responsible for assuring that all aspects of the product meets the FBC 2007 edition (verification of this is certificate issued). The only details required to be posted are the installation instructions not intricate product details as are required with an Engineer's evaluation.</p> <p>I am confident that NAMI could provide the backup for justification of issuance of the certificates for compliance with the FBC 2007 HVHZ.</p> <p>Maybe this is something that should be discussed at the POC level to determine for this and future applications what level of detail should be provided and how the detail should be presented in order to answer any questions that a member of the public might have regarding any application.</p> <p>The level of information Jaime has asked for is a reasonable request and should also be asked of all applications whether the use is HVHZ or non-HVHZ.</p> <p>We support a conditional approval to allow time for the data to be sent to you for your review and or to make changes to any drawing as might be required.</p>		
11483	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Provide sidelites glass configuration as tested.</u>	
Public Comments Evaluation Report by Florida PE/RA								
9757-R1	JHRG LLC	Shutters	Storm Panels	a			Recommend Approval	Revision
9757-R1	Comment by Jaime Gascon						Span notes #4 on drawings does not meet HVHZ requirements. Separation to glass is needed for use in HVHZ.	Revision
9757-R1	Comment by Administrator						The zipper is running perpendicular to the load in such a way that the zipper becomes a direct load bearing element. Provide test report indicating this positioning of zipper.	
9757-R1	Recommendation by Administrator			d	d	d	<u>Recommend Deferral with conditions of: Remove note #4 on drawings related to glass separation. Provide test report for zipper running perpendicular to load.</u>	

10082 -R1	Graham Architectural Products	Windows	Casement	†			Recommend Approval	Revision
10082 -R1	Comment by Jaime Gascon						PVB interlayer type is not specified as tested for product 10082.1. Identify silicone and gaskets on glazing detail as tested.	Revision
10082 -R1	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with conditions of: Specity PVB interlayer type as tested for product 10082.1. Identify silicone and gaskets on glazing detail as tested.</u>	
10084 -R1	Graham Architectural Products	Windows	Fixed	†			Recommend Approval	Revision
10084 -R1	Comment by Jaime Gascon						PVB interlayer type is not specified as tested for all products listed. Identify silicone and gaskets on glazing detail as tested.	Revision
10084 -R1	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with conditions of: Specity PVB interlayer type as tested for all products. Identify silicone and gaskets on glazing detail as tested.</u>	
10124 -R1	GAF Materials Corporation	Roofing	Asphalt Shingles	†			Recommend Approval	Revision
10124 -R2	Comment by Robert Nienimen						<p>We have been alerted to a typographical error in Section 5.3.3 of our Evaluation Report, whereby it should read “For buildings falling outside the constraints in 5.3.1 or 5.3.2, calculations...”</p> <p>In addition, my client has requested reference to use of Approved underlayments per FBC 1507.2.3 and/or 1507.2.4 beneath their asphalt shingles in the installation instructions section of the document.</p> <p>I would like to make these corrections to this file, and ask that the file be offered a Conditional Approval at the December meetings under the condition that I make these corrections to our evaluation report.</p>	

10124 -R3	Recommendation by Administrator				c	c	c	Comment was submitted by evaluator to correct evaluation report: <u>Recommend Conditional Approval with conditions of: Correct Section 5.3.3 of evaluation report to read "For buildings falling outside the constraints in 5.3.1 or 5.3.2, calculations..." and modify installation instructions to allow use of approved underlayments per FBC 1507.2.3 and/or 1507.2.4 beneath their asphalt shingles.</u>	
11408	TEEEM USA, LLC.	Exterior Doors	Sliding Exterior Door Assemblies		⚠			Recommend Approval	New
11408	Comment by Jaime Gascon							Small missile, large missile, and non-impact glass shown on drawings, where product is identified as large missile in the product's description. Testing for each is different for use in the HVHZ.	New
11408	Response by Wayne Morgan							PTC will submit 3 different drawing sets under the FL number 11408, 1 depicting LMI, 2nd depicting Small Missile and the 3rd depicting Non Impact in single sets of drawings.	
11408	Recommendation by Administrator				c	c	c	<u>Recommend Conditional Approval with conditions of: Revise application and drawings for the three glazing conditions. Revise evaluation to substantiate the testing for the three conditions.</u>	
11565	JHRG LLC	Shutters	Storm Panels		⚠			Recommend Approval	New
11565	Comment by Jaime Gascon							Span notes #4 on drawings does not meet HVHZ requirements. Separation to glass is needed for use in HVHZ.	New

11565	Comment by Michael Murray					There is an issue with the zipper feature of this panel. The zipper feature is a new development and its use as an element in a fabric hurricane shutter does not have a long history to reference for rational analysis. JHRG's first product approval had the lab test in it which showed the zipper only being tested in-line with the anchors such that the zipper is not under direct load. However, the panel is advertised and sold with the zipper running perpendicular to the load in such a way that the zipper becomes a direct load bearing element. See link below: http://www.stormarest.com/zippers.html Can it be confirmed that a zipper running perpendicular to the load orientation has been tested? If not, the limits of use of the zipper feature should be more clearly defined in the product approval.		
11565	Recommendation by Administrator			d	d	d	<u>Recommend Deferral with conditions of: Remove note #4 on drawings related to glass separation. Provide test report for zipper running perpendicular to load.</u>	
11620	Silverline Building Products Corp.	Windows	Horizontal Slider				Recommend Approval	New
11620	Comment by Jaime Gascon						Detail G1 on drawings sheet 6 of 6 for product 11620.6 needs to indicate the type of PVB as tested.	New
11620	Response by Rick Wright						I agree with Jaime's comment. Also we will revise eval to show interlayer compliance with HVHZ requirements.	
11620	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Indicate for product 11620.6 the type of PVB as tested.</u>	
11453	Prestige Iron Doors, LLC	Exterior Doors	Swinging Exterior Door Assemblies	a	a	d	Recommend Deferral - Requested by applicant. Indicate hardware as tested.	New
11454	Prestige Iron Doors, LLC	Windows	Casement	a	a	d	Recommend Deferral - Requested by applicant. Indicate hardware as tested.	New
Public Comments Test Report Method								

11148	R. M. Lucas Co.	Roofing	Cements- Adhesives- Coatings	a	a	a	<u>Recommend Approval</u>	New
11148	Comment by Jaime Gascon						Description is not fully qualified. Needs to indicate 'for use with Galvanized Metal and USG Securoc only' when used in the HVHZ.	
11148	Response by Tom Buffington						<p>In response to J. Gascon's public comment regarding the FL11148 product, we offer the following. The RM Lucas product was tested by PRI, Construction Materials Technologies, LLC (PRI) prior to the NOA approval date for all Galvanized Metal and USG Securoc. Miami-Dade reviewed the testing done by PRI and approved the product and released an NOA on 2/28/08. RM Lucas wanted to expand the products uses, therefore had PRI test the product on various substrates using the same exact testing methods and criteria that were accepted by Miami-Dade.</p> <p>SBS granule primed with A404, Concrete, and TPO substrates passed the same testing methods and criteria used for the galvanized metal and the USG Securoc substrates as approved by Miami-Dade.</p>	
11148	Comment by Administrator						This product was tested for the substrates as described on application.	
11274	Adurel International	Roofing	Cements- Adhesives- Coatings	a	a	a	<u>Recommend Approval</u>	New
11274	Comment by Jaime Gascon						Description is not fully qualified. Needs to indicate 'for use with Galvanized Metal and USG Securoc only' when used in the HVHZ.	

11274	Response by Tom Buffington					<p>In response to J. Gascon's public comment regarding the FL11274 product, we offer the following. The Adurel product was tested by PRI, Construction Materials Technologies, LLC (PRI) prior to the NOA approval date for all Galvanized Metal and USG Securoc. Miami-Dade reviewed the testing done by PRI and approved the product and released an NOA on 2/28/08. Adurel wanted to expand the products uses, therefore had PRI test the product on various substrates using the same exact testing methods and criteria that were accepted by Miami-Dade.</p> <p>SBS granule primed with A404, Concrete, and TPO substrates passed the same testing methods and criteria used for the galvanized metal and the USG Securoc substrates as approved by Miami-Dade.</p>	
11274	Comment by Administrator					This product was tested for the substrates as described on application.	
Public Comments Evaluation by Evaluation Entity Method							
819-R1	United Steel Products Company	Structural Components	Wood Connectors			Recommend Approval	Revision

819-R1	Comment by Randy Shackelford						<p>1. The following products are shown on the application with a valid FL number. However, upon closer inspection, the product is not approved for use in the HVHZ, and not approved for use outside the HVHZ. Under limitations, it states "Product Deleted". 819.10 KCBQ44, 819.11 KCBQ46, 819.12 KCBQ66</p> <p>I think this is far beyond the scope of the Product Approval System. These products should be deleted from the approval entirely. If a product is not approved, then it should not be given an FL approval number. These products have been deleted from the previous ICC Evaluation Report, but they remain in the FL approval with FL approval numbers. Acting as a building official might, when I go to the website Product Approval Search Page, and type in KCBQ44 (one of the deleted products), and United Steel Products as the manufacturer, then application FL819-R1 comes up. So one would assume that that particular product was approved since that application comes up as a result of the search. However that is not the case.</p>	
	Comment by Randy Shackelford (Cont.)						<p>Further, any jurisdiction simply printing out an excel spreadsheet of approved products from this manufacturer will see that product there with an approval number, and assume that it is approved.</p> <p>2. Product HTHJ24-18 (FL819.9) has a rated uplift capacity less than 700 pounds. This is not acceptable for the HVHZ, and should be stated in the conditions of use, unless additional conditions are added.</p>	
819-R1	Recommendation by Administrator			c	c	c	<p>The BCIS requires that numbers of products be kept in order to keep subsequent products numbers as on previous applications. If products were removed applicants would loose the numbering of products. <u>Recommend Conditional Approval - For product 819.9 indicate on conditions of use "Not for use in HVHZ" or provide sufficient resistance for compliance with HVHZ.</u></p>	

822-R1	United Steel Products Company	Structural Components	Wood Connectors	a	Recommend Approval	Revision
822-R1	Comment by Randy Shackelford				<p>1. The following products are shown on the application with a valid FL number. However, upon closer inspection, the product is not approved for use in the HVHZ, and not approved for use outside the HVHZ. Under limitations, it states "Product Deleted".</p> <p>55 CBE44 147 KCB810 494 PHX2324 56 CBE46 148 KCB812 496 PHX2326 57 CBE66 149 KCB88 498 PHX2328 58 FA1 150 KCB9 500 PHX2330 59 FA2 263 LTS19 502 PHX2510 60 FA3 264 LTS20 504 PHX2512 61 FA4 265 LTS20B 506 PHX2514 128 KCB1010 294 MTS27B 508 PHX2516 129 KCB1012 317 PH35118 510 PHX2518 130 KCB1212 323 PHI16112 512 PHX2520 131 KCB44 324 PHI1612 514 PHX2522 132 KCB45 325 PHI1614 516 PHX2524</p>	
822-R1	Comment by Randy Shackelford (Cont.)				<p>133 KCB46 326 PHI16925 518 PHX2526 134 KCB47 395 PHM1795-2 520 PHX2528 135 KCB48 439 PHM2614-2 522 PHX2530 136 KCB5 440 PHM2616-2 531 PHX3510-2 137 KCB55 448 PHM3510-2 533 PHX35112-2 138 KCB57 450 PHM35112-2 534 PHX35115-2 139 KCB610 452 PHM35115-2 536 PHX35118-2 140 KCB612 454 PHM35118-2 538 PHX3512-2 141 KCB66 455 PHM3512-2 540 PHX3514-2 142 KCB68 457 PHM3514-2 542 PHX3516-2 143 KCB7 459 PHM3516-2 544 PHX3518-2 144 KCB74 469 PHM35925-2 553 PHX35925-2 145 KCB76 471 PHM3595-2 555 PHX3595-2 146 KCB77 323 PHI16112 589 ST1 592 ST2</p>	

822-R1	Comment by Randy Shackelford (Cont.)				<p>should be deleted from the approval entirely. If a product is not approved, then it should not be given an FL approval number. These products have been deleted from the previous ICC Evaluation Report, but they remain in the FL approval with FL approval numbers.</p> <p>Acting as a building official might, when I go to the website Product Approval Search Page, and type in KCBQ44 (one of the deleted products), and United Steel Products as the manufacturer, then application FL819-R1 comes up. So one would assume that that particular product was approved since that application comes up as a result of the search.</p> <p>However that is not the case.</p> <p>Further, any jurisdiction simply printing out an excel spreadsheet of approved products from this manufacturer will see that product there with an approval number, and assume that it is approved.</p>	
822-R1	Comment by Randy Shackelford (Cont.)				<p>2. 822.291 MSH422-2IF This product is not contained in the evaluation report ICC ESR-2755</p> <p>3. The following connectors provide less than 700 pounds of uplift. They should be listed as “Not approved in HVHZ”, or appropriate limitations of use added. 822.10, BPH1716 822.292, MSH422</p>	
822-R1	Comment by Randy Shackelford (Cont.)				<p>4. For the following connectors, the evaluation report specifies “No uplift permitted”. They should be listed as “Not approved in HVHZ”, or appropriate limitations of use added. 822.303 (PH15112) through 822.575 (PHX7132) – 822.62 (GT2T4B), 822.63 (GT3T4BH), 822.64 (GT3T6B), 822.65 (GT4T6BH), 822.66 (GT4T8B), and 822.67 (GT5T8BH)</p> <p>5. The code referenced design standard is incorrectly identified. It is listed as “Amer. Forest and Paper Assoc.” It should be listed as the American Forest and Paper Assoc. NDS (or AF&PA NDS).</p>	

822-R1	Recommendation by Administrator				c	c	c	The BCIS requires that numbers of products be kept in order to keep subsequent products numbers as on previous applications. If products were removed applicants would lose the numbering of products. For those products indicated as "No uplift permitted", if used accordingly there is no objection for its use. <u>Recommend Conditional Approval -Indicate as deleted Product 822.291. For products 822.10 and 822.292 indicate on conditions of use "Not for use in HVHZ" or provide sufficient resistance for compliance with HVHZ. Remove Product 822.291. Correct on application proper standard for NDS.</u>	
Products Added at December 8, 2008 POC Meeting									
Certification Method TBA Reviewers Recommendation									
11561	Solatube International, Inc	Sky Lights	Skylight		a	a	a	<u>Recommend Approval</u>	New
Test Report Method - TBA Reviewers Recommendation									
11095	YKK AP America Residential	Windows	Casement		c	c	c	<u>Recommend Conditional Approval with conditions of: Provide revised test report that describes mullion as tested. On installation instruction describe mullion as tested.</u>	New

ATTACHMENT 5

LEGAL REPORT

December 9, 2008

SECOND HEARINGS - FINAL

DCA08-DEC-168

Rule 9B-72, Product Approval

Issue: Can Omnicrete obtain state product approval.

Action: Approved

DCA08-DEC-193

Section 1205, Florida Building Code, Building

Issue: Artificial lighting requirements for occupied areas.

Action: Approved

DCA08-DEC-201

Rule 9B-72, Product Approval

Issue: Can Buckeye UltraFiber 500 obtain state product approval.

Action: Approved

DCA08-DEC-204

Rule 9B-72, Product Approval

Issue: Validation of applications for approval of products demonstrating compliance by a certification mark or listing.

Action: Approved with amendment

DCA08-DEC-205

Section 301.13 of the Florida Building Code, Mechanical

Issue: Requirements for design of AC equipment installed outdoors and their attachments to comply with wind load requirements.

Action: Approved

DCA08-DEC-208

Section 1003.5 of the Florida Building Code, Plumbing

Issue: Use of alternative grease receptors smaller than 750 gallons volume but complying with PDI G101/ASME A112.14.3 and with grease retention capacity equal to or greater than conventional receptors with 750 gallon capacity.

Action: Approved

DCA08-DEC-209

Florida Building Code

Issue: Can a contract for manufacture of modular buildings be used to determine which edition of the Code applies.

Action: Approved

DCA08-DEC-216

Florida Building Code, Existing Building

Issue: Alteration level designation for work that does not change room lay-out but does include replacement of deteriorated components.

Action: Approved

DCA08-DEC-236

Section 1609.1.2.2.1 of the Florida Building Code, Building

Issue: Impact resistance testing of louvers for areas outside the HVHZ

Action: Approved

DCA08-DEC-237

Rule 9B-72, Product Approval

Issue: State product approval for production (not one of a kind) louvers.

Action: Approved

DCA08-DEC-238

Florida Building Code, Building Hospitals and Nursing Homes and Section 423.25.4.1 School Enhanced Hurricane Protection Areas

Issue: Large missile impact test requirements.

Action: Approved

DCA08-DEC-239

Section 1626 of the Florida Building Code, Building

Issue: Missile impact requirements for louvers in the HVHZ and separately, whether state product approval is sufficient.

Action: Approved

DCA08-DEC-257

Rule 9B-72, Product Approval

Issue: Can non-burn products obtain state product approval.

Action: Approved

DCA08-DEC-258

Rule 9B-72, Product Approval

Issue: Can bamboo poles obtain state product approval.

Action: Approved

DCA08-DEC-268

Rule 9B-72, Product Approval

Issue: Can Handi Foam Fireblock and Handi Foam spray foam products obtain state product approval.

Action: Approved

DCA08-DEC-275

Rule 9B-3.0472, Carbon Monoxide detectors

Issue: Are CO detectors required in all units in a multistory residential condominium structure that surrounds a three level enclosed and mechanically ventilated parking garage. Are CO detectors required throughout all units in a 5 story apartment building when several but not all units have fossil fuel burning fire places. Are CO detectors required in all units in a 30 story residential high rise building that has a diesel generator on the first floor. Can the alternatives of CO source location monitoring or monitoring sleeping units in close proximity to CO sources be allowed in lieu of monitoring sleeping areas in all units within buildings with sources.

Action: Approved

FIRST HEARINGS

1. DCA08-DEC-194 by Dan Arlington, St. Johns County Building Department –Addendum Submitted

DCA08-DEC-194 by Dan Arlington, Plans Examiner, St. Johns County Building Department

QUESTION 1: The draft 2007 FBC, Section 1609.4.3 Exposure C requires a 20% increase in roof sheathing uplift and roof to wall uplift loads, in certain wind exposures.

Is it the intent of 1609.4.3 to increase the entire continuous uplift path by 20%?

ANSWER: Yes. In order to provide for a continuous load path transfer to the foundation as required by Section 1604.9 of the 2007 FBC, building, the 20% increase in roof sheathing uplift and roof-to-wall uplift loads must apply to the entire load uplift path.

QUESTION 2: If “Yes” to question 1, is it the intent to increase the load capacity of roof trusses by 20%?

ANSWER: Yes. The uplift load capacity of roof trusses must be increased by 20% so that a complete load path capable of transferring loads to the foundation is provided.

{NO ACTION TAKEN - Deferred back to the TAC for more discussion}

2. DCA08-DEC-207 by Anthony Apfelbeck, Fire Marshall/Building Official, City of Altamonte Springs

Question 1: Does the rule apply only to new construction of a new building, or does it also apply to additions or alterations as defined in the FEBC?

Answer: The rule applies to all buildings for which a permit for new construction is issued. In this case, it would apply to construction of new buildings, additions and level 3 but not level 1 or 2 alterations as defined in the FBC-Existing Building.

Question 2: If the rule applies to additions, does an addition require the complete existing structure to comply with installing CO detectors as prescribed in the rule? (hardwired and battery back up)
For example: If an attached garage or a screen enclosure is added to an existing home, are CO detectors required to be installing within the complete existing structure?

Answer: No, unless the addition meets the requirements for the Rule 9B-3.0472.

Question 3. If the rule applies to all alterations, does it require the complete existing structure to comply with installing CO detectors as prescribed in the rule? (hardwired and battery back up)

Example #1: If a new gas furnace is installed in an existing home, whereas it was electric before, are CO detectors required to be installing within the complete existing structure?

Example #2: If any type of permit is issued on the existing structure are CO detectors required to be installing within the complete existing structure?

Answer: No, it does not apply to all alterations, however it does apply to level 3 alterations.

Question 4. If the answer is yes to the questions 2 or 3 above, must hardwired CO detectors be installed with a battery backup?

Answer: No, if the addition requires a CO detector in the existing building it may be battery powered.

Question 5. Does the rule apply to repairs, as defined by the FEBC?

Answer: NO.

Question 6. Does the rule apply to a change in occupancy, as defined by the FEBC?

Answer: YES, if the change of occupancy meets the requirements or intent of Rule 9B-3.0472.

{NO ACTION TAKEN – Postponed until next meeting so that legal can clarify whether it meets the Declaratory statement Criteria}

3. DCA08-DEC-289 by Glen Lathers, Hillsborough County Public Schools

QUESTION ONE: Can a four hour fire wall be installed for building separation to reduce the building size to less than 20,000 square feet therefore not requiring the building to be fully sprinklered if approved by the AHJ?”

ANSWER: Yes, If the sections of the building separated by a fire wall in accordance with applicable sections in chapter 7 are less than 20,000 square feet, sprinklers are not required.

QUESTION TWO: If the answer to the above is yes, would the four hour fire wall be required to have a parapet wall and would any penetrations be allowed?

ANSWER: An answer is not possible because the question is overbroad. ~~However, The code requirements in sections 705.6 and 705.8 would apply as interpreted by the Authority Having Jurisdiction (AHJ)~~

Legal advised to not address the question after stating too broad.

4. DCA08-DEC-329 by Brad Weatherholtz, FRSA Inc. - ~~Withdrawn~~

5. DCA08-DEC-330 by Brad Weatherholtz, FRSA Inc. - ~~Withdrawn~~

6. DCA08-DEC-331 by Brad Weatherholtz, FRSA Inc.

QUESTION: In the event of future re-roofing projects on a 4/12 slope roof, is one layer of code approved felt acceptable?

ANSWER: Yes, as per **1507.2.8** roof slopes *of* four units vertical in 12 units horizontal (33-percent slope) or greater, underlayment shall be one layer. <emphasis added>

7. DCA08-DEC-337 by Roger Sanders, Nova Engineering and Environmental, LLC

Question: Does the statute limit private provider services to only those inspections required under the requirements of a general building permit for an entire building or can services be provided for inspections required for specialty permits requiring only a final inspection? In other words, can private provider services be performed for an event such as an air conditioner change-out? Can services be provided for inspections required for specialty permits requiring only a final inspection?

Answer : According to s. 553.791, Florida Statutes, the law does not limit private provider services for inspections to only a general building permit for an entire building. The private provider services may include inspections required for alterations (i.e. an air-conditioner change-out) to any structure for which ~~permitting by a local enforcement agency is required~~ a stand-alone permit is issued.

**8. DCA08-DEC-339 submitted by Jose Sanchez, Fenestration Testing Laboratory, Inc.
Amendment**

QUESTION:

Under the circumstance described above, is another entity that performs validations permissible under Rule 9B-72?

The committee requested the presence of the petitioner to present more information at the next meeting.

ATTACHMENT 6

HOTEL ROOM DESIGN CHARETTE

Final Report: Existing Hotel Room Design Charette 2008



FLORIDA BUILDING COMMISSION
ACCESSIBILITY TECHNICAL ADVISORY COMMITTEE
December 9, 2009 at the Embassy Suites Hotel, Tampa, Florida

Charette defined

The term “Charette” initially appeared in the early part of the late 1800’s. Architecture students in Paris who needed to rush their drawings to the Ecole Des Beaux-Arts placed them on a cart, which was called a Charette. Today the architectural community at large uses the term to describe any intense on-the-spot design effort to solve an architectural problem within a limited time. From a creative standpoint, a Charette can be divided into three sections: listen, envision and draw fast.

Note: The Charette was not intended to change the law, rather to clarify problematic issues while altering existing space constraints within hotel sleeping units.

Past Charette Events

This is the third Charette sponsored by the Florida Building Commission. The first addressed vertical accessibility to theaters in 1998, the second addressed Miniature Golf course design in 2005, and the third addressing Existing Hotel Rooms was conducted in December 2008.

Charette Purpose

Accessible design Charette exercise was conducted to develop design solutions for renovations of existing hotel sleeping rooms for persons with disabilities. The event was moderated by Richard Browdy, member of the Florida Building Commission.

The Charette Task:

To re-design existing hotel units, sleeping rooms, and suites for greater accessibility elements by using the code criteria found in the 2004 Florida Building Code, Building, inclusive of, Chapter 11, Accessibility Code for Building Construction, as certified by the Department of Justice.

The Charette Goal:

Improve existing hotel room design by transforming the original floor plan into a working plan with greater accessibility and usability for the end user incorporating new and innovative ideas. Each team worked to create a greater use of accessibility features within a given existing hotel room plan. Each team took a different approach to solve their given floor plan design and obtain consensus on a final product that was innovative and enhanced each floor plan design.

Charette Partisipants

The Charette on Existing Hotel Room Design consisted of four teams with 23 participants made up of the following: architects, interior designers, building officials, advocates and persons from the public. The four teams and members were:

Team 1: Suite 1 -2 bedroom, 2 restroom, main room and balcony configuration

- Jeffery Gross, AIA and member of the Florida Building Commission, Hollywood, Fl.
- Todd Anderson, architect – Fairfax, Va
- Scott Rosenberg, architect –Rockville, Md.
- Wayne Smokay, architect –Haines City, Fl.
- Frank Menendez, architect - Wash. DC
- Neil Melick, Building Official –WPB, Fl.
- Jack Humburg, advocate-St. Petersburg, Fl.
- Karen Walsack, architect- Hollywood, Fl.

Team 2 : Deluxe hotel room, bedroom, main room, 2 bath & balcony

- Larry Schneider AIA –Miami, Fl.
- Karl Thorne AIA –Gainesville, Fl.
- Robert Fine Esq, architect –Miami, Fl.
- Michelle Farley, IIDA –Tampa, Fl.
- Dwight Wilkes, Building -Official-St Augustine, Fl

Team 3 : Master Bedroom Suite

- Diana Ibarra, architect –Orlando, Fl.
- Rob Blakeslee, architect-Orlando,Fl.
- Diana (Richardson) Worrall, advocate-Naples, Fl.
- James Schock, Building Official-St. Augustine, Fl.
- Walton Dutcher, advocate-St. Petersburg, Fl.

Team 4 : Standard Hotel room- 1 bedroom. Bath, balcony

- Robert Ruth, architect –Orlando, Fl.
- Shelly Siegel, FASID-Lake Worth, Fl.
- Sharon Mignardi, architect-Orlando, Fl.
- Lori Gosselin, IIDA-Ocoee, Fl.
- JR Harding, advocate-Tallahassee, Fl.

The charge of the Charette

After opening comments and introductions by the moderator, staff member Bruce Ketcham provided additional information to the design criteria delineating areas often missed by design professionals, Building Officials and the hotel industry. The Charette's architectural design problem was restated to include the Charette's goal and purpose. The teams were supplied with a table, reference materials, computers, and the online Florida Building Code. The following technical documents were used as design guides: Florida Building Code 2004 Chapter 11 Accessibility Code, Means ADA Compliance Pricing Guide, and the Americans with Disabilities Act and Architectural Barriers Act Accessibility Guidelines, July 23, 2004.

Charette criteria:

The following are the Criteria for the Charette for existing hotel room design:

- Consider all relevant code sections of the Florida Building Code for alteration to units
- Consider all structural issues ~~if~~ of existing units in proposed design solutions
- Consider all technical infeasibility concerns to all of the design and alteration solutions
- Consider all cost effective ways to achieve alteration to addressed units

- Plan, design, complete and present team solutions to altered room plans
- Produce a finished Charette product in a timely manner of 3 hours

Additional design considerations:

- New positive creative approach to an old industry problem.
- Focus on Code issues, consider both existing Florida Building Code 2004 Chapter 11 Florida Accessibility Code for Building Construction and the new proposed Federal standards
- Design to attainable results
- Consider existing hotels, pre code, code compliant or code plus
- Teams to interface with all disciplines on teams, Architects, Building Officials, Interior Designers, Advocates and industry to form a design consensus.
- Consider Charette on Existing Hotel rooms to be educational for all involved.

Code Issues:

Additional list of consistently missed accessibility Code issues

The teams were to create a greater accessible environment while considering greater usability within the existing hotel room by better design. These frequently missed code issues are as follows:

- Thermostat too high in hotel room units
- Fixed bed too close to wall
- Balcony transition not accessible
- Furniture setting inaccessible
- Closet rod too high
- Non compliant door pull and hardware
- Non usable bathroom design
- Surface height too high
- Ironing board inaccessible
- Table lamps inaccessible
- Hand held shower too high
- Compliant telephones in guest rooms
- Compliant Alarms/strobes
- Improved path of travel within the space

Team Work Products

The work product as presented by each team

Team 1 goal and solution: Jeff Gross

Since our unit had two bedrooms and two bathrooms an early decision needed to be made as to which bedroom and bathroom would be renovated. Our team decided to modify both. The reasons included the fact that one bathroom offered access by both guests and the bedroom user. The other bathroom was combined with the master bedroom and offered a different amenity for the unit. The toilets in both bathrooms were turned 90 degrees to allow for both side access and rear grab bar space. The shower in the master bathroom was modified to contain a roll-in feature. Closets were redesigned for easy access and the washer dryer were relocated from a small laundry room to the kitchen location for ease of access. Small features were considered such as the placement of electrical outlets for TTY communication devices and the switch to operate the garbage disposal.

Team 2 goal and solution: Larry Schneider

The goal of team two was to review the hotel guest room provided to us and to provide a solution that was viable, doable, and that would be a readily achievable solution; i.e.: one that an owner would really consider doing in making their existing hotel guest room accessible. The solution was one that was within the ADA accessibility requirements and worked in meeting the requirement of the FACBC.

Team 3 goal and solution: Diana Ibarra

Provide accessibility to the unit by accommodating a variety of disabilities and provide a Universal Design room marketable to a larger target audience, thereby helping hoteliers maximize their profits. Each bedroom was configured so that varying disability preferences were considered; e.g. a King Bed in one bedroom/transfer shower while the second bedroom has a pair of twin beds for a caregiver's convenience/accessible tub. However, in addition to the spatial layout, we focused on providing a list of products and features that are both aesthetic and accessible. The finishes and product selections often render the hotel unit less accessible even though the floor plan technically complies. Suggested product variants included preferred commercially available shower heads, hardware, and threshold products, and emerging technology solutions. Custom millwork was proposed which greatly enhances the accessible storage capacity of a room in a minimal footprint thereby alleviating clear floor path problems encountered in existing hotels with narrow bays.

Team 4 goal and solution: Robert Ruth

We were presented with a standard two room hotel combination with connector doors to adjoining rooms to each side typically seen in many properties.

Each room was approximately the same overall size with bathrooms and closet space nearest the corridor. One room had an entry door to the corridor. The other room did not have a door to the corridor. This lack of access became the basis for an architectural

solution. The entry door was modified in the first unit by removing the closet and shifting the door to a location enabling the proper clearances on both sides of the door. Nothing was done in the bathroom, however the new millwork piece was added to the sleeping portion to make up for the removal of the tub.

By removing the closet and fan coil walls we were able to create a fully accessible bathroom in the second unit which would work with both a roll in shower or a tub. The toilet remained in its original location with a minor shift to obtain the 18" centerline off the side wall. A new vanity was created with plenty of counter space in close proximity to the original lavatory.

The shower/tub was a bit of a stretch placing it where the original closet was located. Inasmuch as the drain is a smaller diameter pipe we did not think this new location an unreasonable option. A door needed to be added to create privacy. Swinging doors posed clearance issues, a pocket door would require no devices internal of the walls. The solution shown is a barn door which mounts on the outside face of a wall and is all the rage these days as the new trend.

The closet was replaced via the use of millwork which included a clothes hanging compartment, a desk, drawers and location for a new flat panel TV. This became necessary so the piece would not project into the path at the foot of the bed.

At the window wall we left the 36" access so the drapes and sheer could be opened with extended pull rods to keep the cost low on the high maintenance items.

The balcony was not addressed other than the exception allowed in the guidelines. The property had an accessible public balcony on an accessible floor which could be used by anyone. *Wink, Wink....*

We were led to believe the budget needed to stay under 20k.

Our estimate using the Means book was +/- 8000 for the bathroom and wall adjustment including the door shift, 5,000 for the millwork for a total of 13k. We thought the fan coil and HVAC would need to be revised but did not have any information to justify an amount. Miscellaneous outlets would need to be added and fire alarm devices revised. All in all this additional work would not exceed the budgeted amount.

Final thought

Thanks for all participants with their hard work, dedication and caring to make a difference for future projects. To be creative in the accessibility discipline is quite an achievement, the teams took on that challenge and results are impressive. The end designs and work product are attached to this report, enjoy.