

FLORIDA BUILDING COMMISSION



FACILITATOR'S SUMMARY REPORT OF THE

APRIL 7, 2009

COMMISSION PLENARY SESSION

GAINESVILLE, FLORIDA

Facilitation, and Meeting and Process Design By



CONSENSUS SOLUTIONS

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FLORIDA BUILDING COMMISSION

SUPPLEMENT TO THE APRIL 7, 2009 MINUTES

OVERVIEW OF COMMISSION'S KEY DECISIONS

TUESDAY, APRIL 7, 2008

Welcome

Chairman Rodriguez welcomed the Commission, staff and the public to Gainesville and the April 2009 plenary session. The Chair indicated that there would not be a split plenary session for the April meeting, providing additional time for key workgroup meetings, and that the primary focus of April's meeting was to conduct several rule development initiatives including a cost effectiveness test for amending the Florida Energy Code.

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), and 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, and should be offered before there is a formal motion on the floor.

UF Welcome and Invitation to Hurricane Test Laboratory

Forrest Masters, Assistant Professor of Civil and Coastal Engineering, invited the Commission to view current University of Florida research projects, conducted at the UF Hurricane Test Lab, relevant to the Commission and the Florida Building Code, and welcomed the Commission to Gainesville.

Commissioner Self Introductions

Chairman Rodriguez invited senior Commissioners to provide a brief self-introduction. The following Commissioners provided biographies:

Browdy, Carlton, Carson, Franco, Goodloe, Greiner, Hamrick, Kidwell, Norkunas, Schulte, Vann and Rodriguez.

Agenda Review and Approval

The Commission voted unanimously, 23 - 0 in favor, to approve the agenda for the April 7, 2009 meeting as amended. Following are the key agenda items approved for consideration:

- UF Welcome and Invitation to Hurricane Test Laboratory.
- To Hear Commissioner Self-Introductions.
- To Consider Regular Procedural Issues: Agenda Approval and Approval of the February 3, 2009 Minutes and Facilitator's Summary Report.
- To Consider/Decide on Chair's Discussion Issues/Recommendations.
- To Review and Update the Commission Workplan.
- To Review and Discuss Commission Effectiveness Assessment Survey Results.
- To Consider/Decide on Accessibility Waiver Applications.
- To Consider/Decide on Approvals and Revocations of Products and Product Approval Entities.
- To Consider Applications for Accreditor and Course Approval.
- To Consider/Decide on Legal Issues, Binding Interpretations, and Petitions for Declaratory Statements.
- To Consider/Decide on Code Administration, Energy, Mechanical, 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: Florida Accessibility Code, Florida Energy Code, Flood Resistant Standards, Soffit Systems.
- To Conduct a Rule Development Workshop on Rule 9B-70.002, Education.
- To Conduct a Rule Development Workshop on Rule 9B-3.047, Florida Building Code/2008 NEC, Interior Designers, and Conflicts with Law.
- To Conduct a Rule Development Workshop on Rule 9B-13.0071, Cost Effectiveness of Amendments to Florida Energy Code.
- To Discuss Commissioner Comments and Issues.
- To Receive Public Comment.
- To Review Committee Assignments and Issues for the Next Meeting—June 8 - 10, 2009 in Tampa.

Amendments to the Agenda:

- Approval of the March 16, 2009 and March 30, 2009 Facilitator's Summary Reports.
- Roofing TAC report

Review and Approval of the February 3, 2009 Meeting Minutes and Facilitator's Summary Report

Motion—The Commission voted unanimously, 23 - 0 in favor, to approve the February 3, 2009 Meeting Minutes and February 3, 2009 Facilitator's Summary Report as presented, and the March 16 and March 30, 2009 Teleconference Reports as presented.

Chair's Discussion Issues and Recommendations

1. Appointments {Commission—TAC(s)—Workgroup(s)}

Commission Process Review Ad Hoc

Chairman Rodriguez explained that the Commission was reconstituting the Code Assembly Ad Hoc and re-naming it the Commission Process Review Ad Hoc. Their immediate task will be to review and make recommendations on the code development process and the declaratory statement process and to streamline and make them as economical as possible. The members are as follows:

Raul Rodriguez (Chair), Hamid Bahadori, Dick Browdy, Ed Carson, Kiko Franco, Jim Goodloe, Dale Greiner, Jeff Gross, Chris Schulte, Tim Tolbert, and Mark Turner.

Product Approval POC

Tim Tolbert was appointed to the Product Approval POC.

Energy TAC

Rafael Palacios was appointed to the Energy TAC.

Florida Energy Code Workgroup

Tom Larson was added to the Florida Energy Code Workgroup representing energy advocates. Bill Kent was added to the Florida Energy Code Workgroup representing the swimming pool industry.

Green and Energy Efficient Roofs Subcommittee to Energy Code Workgroup

At the December 2008 meeting the Commission agreed to convene a Green and Energy Efficiency Roofs group to evaluate issues regarding green and energy efficient roofs in the Code. The following were appointed to the Green and Energy Efficient Roofs Subcommittee to the Florida Energy Code Workgroup:

Jim DiPietro, Larry Maxwell, Craig Parrino, Lorraine Aulisio Ross, Chris Schulte, Drew Smith, Jeff Sonne, Bob Volin, and Brad Weatherholz.

Pool Efficiency Subcommittee to Florida Energy Code Workgroup

The Chair noted that he was appointing a Pool Efficiency Subcommittee to the Florida Energy Code Workgroup to provide recommendations to the Workgroup regarding the pool equipment efficiencies subtask for pool pumps and heaters efficiencies and hydronic systems standards. The Chair indicated that subcommittees will be facilitated using the Commission's workgroup process.

The appointments are as follows:

Steve Bassett, Tony Caruso, Kevin Fennel, Ken Gregory, Dale Greiner, Dan Johnson, Bill Kent, Dino Muggeo, Gordon Shepardson, Jeff Sonne, and Rob Vieira.

Flood Standards Workgroup

Tom Lanese was appointed to replace Nick D'Andrea as the Florida Floodplain Managers Association's representative. Steve Pizzillio was removed from the Flood Standards Workgroup since he is no longer a building official.

Septic System Sizing Workgroup

To better reflect the project's scope, the Chair renamed the Universal Bedroom Definition Workgroup to the Septic System Sizing Workgroup.

Swimming Pool Subcommittee to Plumbing TAC

At the request of Commissioner Gregory, the Chair appointed a Swimming Pool Subcommittee to the Plumbing TAC. Appointments are as follows:

Tom Allen, Tony Caruso, Joe Crum, Bill Dumbaugh, Ken Gregory (chair), Dale Greiner, Dan Johnson, Todd Koonts, George Pellington, and Gordon Shepardson.

Window/Wall Workgroup

The Window Workgroup was renamed to the Window/Wall Workgroup, with the expanded scope of evaluating and developing recommendations regarding the window-wall interface.

Commission Designee to Accessibility Advisory Council

Commissioner Norkunas was appointed to serve, in a non-voting capacity, as the Commission's designee to the Accessibility Advisory Council. The Chair explained that Chapter 553.775(3)(g) provides that the Commission may appoint a designee to serve on the Council in a non-voting capacity.

2. Budget Committee Report

In an effort to deal with diminishing revenues, the Chair stated the Commission is making every effort to reduce expenses including: cutting back on some workplan tasks, holding workgroup meetings in Tallahassee to reduce travel costs and travel approval problems for staff and state agency employees, a continuation of teleconferencing of TAC/POC meetings for issues that are not complex or controversial and lend themselves to the format, and possibly cancellation of a Commission meeting if necessary. The Budget Committee met prior to the plenary session and Ila Jones provided members with an update on the current budget. Ila was requested to provide budget scenarios with the projected reduced revenues. The Chair noted that it is critical that stakeholder groups, associations and Commission members make an effort to support the Commission at the Legislature. The Commission has mandated tasks that require adequate funding and its important that legislators and others understand the implications of the reduced Commission budget.

3. Evaluate Equivalence of 2008 Florida Energy Code to ASHRAE 90.1-2007 for Commercial Buildings and to the IECC 2009 for Residential Buildings and Report to the Governor's Office

Chairman Rodriguez reported that the federal Stimulus Bill provides funding for State Energy Programs for those states that can certify their energy codes are equal or more stringent than the 2009 International Energy Conservation Code for residential buildings and ASHRAE 90.1-2007 for commercial buildings and whose governor's can certify that qualifying codes will be in force and effect for 90% of new and renovated existing buildings within 8 years. Other qualifying criteria regarding utility regulation programs also apply which for Florida, will be handled by its Public Service Commission. The Building Commission was asked by Governor Crist's Energy Office to issue a letter verifying Florida complies with the qualifying conditions for the federal energy funds via a letter. Staff conducted an analysis and prepared the letter for the Chairman to submit on behalf of the Commission to meet the Governor's deadline of March 15, 2009. The report was that Florida's Energy Code, updated to implement Governor Crist's Executive Order 2007-197 and implemented in the 2007 Florida Building Code that went into effect March 1, 2009, is more stringent than ASHRAE 90.1-2007 for commercial buildings and is as stringent as the 2009 IECC for residential buildings. The report

further stated Florida's energy code is a stated wide uniform and mandatory code and the schedule for increasing energy efficiency requirements required by Florida law, 20% by 2010, 30% by 2013 and 40% by 2016, will far exceed the standards established by the Stimulus Bill within the eight year time horizon the Bill establishes.

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, 21 - 0 in favor, to approve the updated Commission Workplan as presented.

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

Annual Effectiveness Assessment Survey Results

Review of Collaboration, Responsibility and Successful Projects Document

Chairman Rodriguez noted that each year the Commission conducts an Effectiveness Assessment Survey to gauge the Commission's perspective on a variety of issues. Over the years the survey input has been the basis for many enhancements to the Commission's procedures. Jeff Blair reviewed the results of the Annual Effectiveness Assessment Survey and answered member's questions. In addition, Jeff Blair provided the Commission with an overview of the role of collaboration regarding successful meetings and projects.

(Included as Attachment 3—Assessment Survey Results)

(Included as Attachment 4 —Collaboration)

Consideration of Accessibility Waiver Applications

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

(Included as Attachment 5—Accessibility Waiver Summary Report)

Consideration of Applications for Product and Entity Approval

Commissioner Carson 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 6—Product and Entity Approval Report)

Consider Applications for Accreditor and Course Approval

The Commission reviewed and decided on the accreditor and course applications submitted for their consideration as follows.

Commission Actions—Education POC:

Motion—The Commission voted unanimously, 23 – 0 in favor, to approve advanced courses # 345, 343, 344, and 348 on separate votes.

Motion—The Commission voted unanimously, 23 – 0 in favor, to approve advanced courses # 348 on the condition that slides 62 and 65 are removed.

Motion—The Commission voted unanimously, 23 – 0 in favor, to approve on a consent agenda for administrative approval courses # 220.1.
(See *Commission Minutes for Committee Report*)

Consideration of Legal Issues

Legislative Issues Update

Jim Richmond reported there was nothing new to report since the March 30, 2009 Teleconference Meeting.

Commissioner Carson expressed concern with SB 2100 Section 19 regarding changes to the certification method for state product approval, and wanted the issue added to the Product Approval POC's agenda for discussion. Commissioner Kidwell expressed agreement with Commissioner Carson.

Appeals

None.

Product Approval Revocations

None.

Binding Interpretations

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

Petition for Investigation of Product Approval: DCA08-BC-360 by Power Steel

Commission Actions

Motion—The Commission voted 19 – 4 in favor, to approve the memorandum prepared by legal staff. (Commissioners Boyer, Grippa, Norkunas, and Stone voted against the motion)

Petitions For Declaratory Statements

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

Second Hearings

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

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

DCA08-DEC-357 by Fred S. Cardwell, P.E.

The applicant requested that the petition be withdrawn.

Motion—The Commission voted 23 – 0 in favor, to accept the withdrawal of the petition.

First Hearings

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

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

DCA08-DEC-344 submitted by Alvin Scolnik, National Electrical Manufacturer's Association
The petition was withdrawn by the applicant.

DCA08-DEC-345 submitted by James Reed, Southwest Progressive Enterprises, Inc.
There was no action on the petition since it failed to meet the requirements for declaratory statements.

DCA09-DEC-009; Submitted by Thomas H Ford of Bhamani, Ford
Motion—The Commission voted 23 – 0 in favor, to approve the TAC's recommendation on the petition.

DCA09-DEC-025 by Brad Wetherholtz, Florida Roofing and Sheet Metal Association
Motion—The Commission voted 23 – 0 in favor, to approve the TAC's recommendation on the petition.

DCA09-DEC-045 by Brad Wetherholtz, Florida Roofing and Sheet Metal Association
Motion—The Commission voted 23 – 0 in favor, to approve the TAC's recommendation on the petition.

DCA09-DEC-051; Submitted by David Hodges, Fine Tooth Comb Investigations
The petition was withdrawn by the petitioner.

DCA09-DEC-053; Submitted by James R. Schock City of Jacksonville
DCA09-DEC-062; Submitted by Dan Arlington, St. Johns County
Motion—The Commission voted 23 – 0 in favor, to approve the TAC's recommendation on the petitions.

DCA09-DEC-055; Submitted by David Hodges, Fine Tooth Comb Investigations
The petition was withdrawn by the petitioner.

DCA09-DEC-056; Submitted by David Hodges, Fine Tooth Comb Investigations
The petition was withdrawn by the petitioner.

(Included as Attachment 7—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.

Code Administration 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)

Energy TAC

Commissioner Greiner 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.

(See Commission Minutes for Committee Report)

Structural TAC

Commissioner Kidwell presented the Committee's report and recommendations.

Commission Actions:

Motion—The Commission voted unanimously, 22 - 0 in favor, to accept the report.

(See Commission Minutes for Committee Report)

Education POC

Commissioner Browdy presented the Committee's report and recommendations.

Commission Actions:

Motion—The Commission voted unanimously, 22 - 0 in favor, to accept the report.

(See Commission Minutes for Committee Report)

Product Approval POC

Commissioner Carson presented the Committee's report and recommendations.

Commissioner Carson noted that there were problems with the teleconference call regarding participant background noise and side conversations and lost calls. He requested that participants be aware of any disruptions they may be causing. In addition, Commissioner Carson requested that staff send a reminder immediately prior to the scheduled time of conference calls.

Commission Actions:

Motion—The Commission voted unanimously, 22 - 0 in favor to accept the report.

(See Commission Minutes for Committee Report)

Florida Accessibility Code Workgroup Report and Recommendations

Jeff Blair reported on the Florida Accessibility Code Workgroup's 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/accessibility-code.html>

Florida Energy Code Workgroup Report and Recommendations

Jeff Blair reported on the Florida Energy Code Workgroup's 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/2010-Florida-Energy-Code.html>

Flood Resistant Standards Workgroup Report and Recommendations

Jeff Blair reported on the Flood Resistant Standards Workgroup's 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/Flood-Resistant-Standards.html>

Soffit Systems Workgroup Report and Recommendations

Jeff Blair reported on the Florida Energy Code Workgroup's 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>

Rule Development Workshop on Rule 9B-70.002 Education

The Chair reported that at the December 2008 meeting, at the recommendation of the Education POC, the Commission voted to conduct a rule development workshop for the purpose of implementing amendments to the Education Rule. The purpose of the rule development initiative is to implement the recommendations of the program administrator with regard to the rules of operation regarding review and approval of accreditors and courses seeking accreditation, and to correct some outdated internet references including expiration dates of registered training providers and accreditors. The April workshop 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, 23 – 0 in favor, to proceed with rule adoption for Rule 9B-70.002, Education by conducting a rule adoption hearing at the next Commission meeting.

Rule Development Workshop on Rule 9B-3.047 Florida Building Code/2008 NEC, Interior Designers, and Conflicts with Law

Chairman Rodriguez noted that at the October 2008 Rule Development Workshop conducted for the purpose of considering amendments to Rule 9B-3.047 Glitch Amendments, the Commission considered whether to adopt the 2008 National Electrical Code as a Glitch Amendment. The criteria provided in Chapter 553.73(7) F.S for considering Glitch Amendments specifies the Commission may consider 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. The Commission considered testimony on both sides and voted to defer action on deciding whether to consider adoption of the 2008 NEC as a Glitch Amendment in the 2008 Glitch Process, and to set a schedule for a separate rulemaking to implement the Commission's actions relative to adopting the 2008 NEC, by July 1, 2009. The NEC was reviewed by the Electrical TAC, and the TAC provided recommendations regarding adopting the 2008 NEC into the Florida Building Code and proceeding with rule making. The TAC recommended that the Commission adopt the 2008 NEC in whole and conduct a rule development workshop at the April 2009 Commission meeting, and the Commission voted to proceed with rule development to adopt the 2008 NEC, the interior decorators settlement agreement, and correction of conflicts with Law, by conducting a rule development workshop at the April 2009 Commission meeting. The workshop was an opportunity for additional public comment on the issue.

The Rule Development Workshop was opened and an opportunity was presented for public comment. Commissioner Greiner presented Energy TAC recommendations for Glitch amendments and Jeff Blair presented DCA staff's package of Glitch Code recommendations. 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 23 – 0 to adopt the Energy TAC's comments regarding Glitch amendments. Motion passed.

Motion—The Commission voted 23 – 0 to adopt the proposed comment regarding 611.7.2 for roof secondary water barriers. Motion passed.

Motion—The Commission voted 23 – 0 to adopt the entire package of staff comments regarding Glitch Code amendments. Motion passed.

Motion—The Commission voted 22 – 1 to reconsider action on the staff comments package and to consider each item individually. Motion passed.

Motion—The Commission voted 17 – 6 in favor to delete 106.1 submittal documents to add interior designers. Motion failed.

Motion—The Commission voted 16 – 5 in favor to revise 106.1 submittal documents to add interior designers. Motion passed.

Motion—The Commission voted 23 – 0 in favor to clarify the intent and the application of Section 105.15 in accordance with Declaratory Statement DCA09-DEC-053. Motion passed.

Motion—The Commission voted 21 – 1 in favor to remove Section 2705 Equipotential Bonding and adopt by reference the 2008 National Electric Code. Motion passed.

Motion—The Commission voted 21 – 1 in favor to update the National Electric Code to the 2008 edition. Motion passed.

Motion—The Commission voted 22 – 0 in favor to revise Section 611.7.1 in accordance with the Commission’s action on Declaratory Statement DCA09-DEC-009, changing the minimum diameter for 8d common nail from .141 to .131. Motion passed.

Motion—The Commission voted 21 – 1 in favor to remove Section E3304, Equipotential Bonding and adopt by reference the 2008 National Electrical Code. Motion passed.

Motion—The Commission voted 18 – 5 in favor to remove the pool pump GFI requirement for residential pools in the National Electrical Code. Motion passed.

Motion—The Commission voted unanimously, 22 – 0 in favor, to notice for adoption integrating the adopted changes and to proceed with rule adoption for Rule 9B-3.047, Florida Building Code/2008 NEC, Interior Designers, and Conflicts with Law by conducting a rule adoption hearing at the next Commission meeting. **Motion passed.**

Rule Development Workshop on Rule 9B-13.0071, Cost Effectiveness of Amendments to Florida Energy Code

Chairman Rodriguez reported that Section 109, HB 7153 directs the Commission to develop a rule for determining cost effectiveness of energy conservation measures to be considered for inclusion in the Florida Energy Code. The rule must be completed and applied to the update of the energy provisions of the 2010 Florida Building Code. The Commission is working with stakeholders via the Energy Code Workgroup to develop cost effectiveness test criteria to be applied to justification for increased residential building energy efficiency requirements, and will conclude rule making in time for the adopted rule to be effective for inclusion in the 2010 Code Update process. At the February 2009 Meeting the Commission voted to initiate rule making to develop a rule for determining cost effectiveness of energy conservation measures to be considered for inclusion in the Florida Energy Code, by conducting a rule development workshop at the April 2009 Commission meeting. The Energy Code Workgroup met on March 5 and March 27, 2009 and has recommendations for the Commission’s consideration. The workshop provided an additional opportunity for public comment on the issue.

The Rule Development Workshop was opened and an opportunity was presented for public comment. Jeff Blair provided the Florida Energy Code Workgroup’s and Energy TAC’s consensus recommendations regarding cost effectiveness test for amendments to the Florida Energy Code. 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, 23 – 0 in favor, to proceed with rule adoption for Rule 9B-13.0071, Cost Effectiveness of Amendments to Florida Energy Code by conducting a rule adoption hearing at the next Commission meeting.

The adopted cost effectiveness test for amendments to the Florida Energy Code is as follows:

1. OPTIONS FOR ENERGY EFFICIENCY COST-EFFECTIVENESS TESTS FOR RESIDENTIAL CODE

The Florida Legislature directed the Commission to develop a rule for determining cost effectiveness of energy conservation measures to be considered for inclusion in the Florida Energy Code. The rule must be completed and applied to the update of the energy provisions of the for the 2010 Florida Building Code.

“(3) The Florida Building Commission shall, prior to implementing the goals established in subsection (1), adopt by rule and implement a cost-effectiveness test for proposed increases in energy efficiency. The cost-effectiveness test shall measure cost-effectiveness and shall ensure that energy efficiency increases result in a positive net financial impact.”

Energy Analysis Calculations Methodology

Energy analysis necessary to determine energy savings for Energy Conservation Measures (ECMs) be accomplished using Florida’s code compliance software, EnergyGauge®.

Energy simulation analysis will be conducted for both single ECMs and packages of ECMs.

Economic Analysis Assumptions

Energy Conservation Measure (ECM) costs will be the full, installed incremental cost of improvements, where the incremental cost is equal to the difference between the baseline measure cost and the improved measure cost unencumbered by any federal tax credits, utility incentives or state rebates.

Energy Conservation Measure (ECM) costs will be the full, installed incremental cost of improvements, where the incremental cost is equal to the difference between the baseline measure cost and the improved measure cost unencumbered by any federal tax credits, utility incentives or state rebates, with option to consider encumbering utility incentives, etc. later, if possible.

Study Life Period

The analysis for residential buildings shall be conducted over a 30 year study period.

ECM Service Life

The evaluation shall be conducted using the appropriate service lives of the measures.

Home Mortgage Parameter Values

Mortgage interest rate: the greater of the most recent 5-year average and 10-year average simple interest rate for fixed-rate, 30-year mortgages computed from the Primary Mortgage Market Survey (PMMS) as reported by Freddie Mac.

Mortgage down payment: 10%.

Annual Rate Parameter Values

General inflation rate: the greater of the most recent 5-year and 10-year Annual Compound Interest Rate (ACIR) computed from the annual average Consumer Price Index (CPI) as reported by the U.S. Bureau of Labor Statistics.

Discount rate: General inflation rate plus 2%.

Fuel escalation rate: the greater of 5-year and 10-year ACIR computed from revenue-based prices as reported by Florida Public Service Commission minus the general inflation rate.

The baseline electricity and natural gas prices used in the analysis shall be the statewide, revenue-based average residential price for the most recent available 12 months as provided by the Florida Public Service Commission.

Cost Effectiveness Criteria

For present value cost-to-benefit ratio (PVCB) a value of 1.0 or greater.

For the internal rate of return (IRR) on investments, a value equal to 8%. {The recommended value is approximately 1.5% greater than the guaranteed return on State of Florida DROPS (retirement account) investments and is considered large enough that any rational investor would consider the investment wise compared with any other long-term investment.}

*For the levelized cost of conserved energy (LCCE), a value equal to the statewide residential revenue-based retail cost of electricity adjusted at the fuel escalation rate over one-half of the life of the measure (yields average over the measure life). {This is based on the fact that, over their life, accepted measures will cost consumers the same or less than purchasing electricity from the utility, where: LCCE criteria = (current price) * [(1+fuelEsc) ^ (life/2)].}*

Evaluation Methodology for Measures and Packages of Measures

Create multiple packages of ECMs that result in the target % efficiency increase for each code cycle update (20, 30, 40 and 50%), based on comparison to the 2007 FBC as adopted October 31, 2007 (without the 2009 supplement).

Evaluate each ECM using adopted cost effectiveness indicators (PVBC, IRR, LCCE), within their specific package of ECMs. PVBC will be considered the primary measure with IRR and LCEE used as measures for illustration and communication of individual ECMs and packages of ECMs comparative economic viability.

Validation of the cost effectiveness of Florida Energy Efficiency Code for Building Construction changes shall mean that a number of ECM packages evaluated to comply with the statutory percent energy efficiency increase requirements have a greater benefit than cost as measured in present value dollars.

2. OPTIONS FOR ENERGY EFFICIENCY COST-EFFECTIVENESS TESTS FOR COMMERCIAL CODE

Energy Analysis Calculations Methodology

Energy analysis necessary to determine energy savings for Energy Conservation Measures (ECMs) will be accomplished using Florida's code compliance software, EnergyGauge®.

Energy simulation analysis will be conducted for both single ECMs and packages of ECMs.

Economic Analysis Assumptions

Energy Conservation Measure (ECM) costs will be the full, installed incremental cost of improvements, where the incremental cost is equal to the difference between the baseline measure cost and the improved measure cost unencumbered by any federal tax credits, utility incentives or state rebates.

Energy Conservation Measure (ECM) costs will be the full, installed incremental cost of improvements, where the incremental cost is equal to the difference between the baseline measure cost and the improved measure cost unencumbered by any federal tax credits, utility incentives or state rebates, with option to consider encumbering utility incentives, etc. later, if possible.

Study Life Period

The analysis for commercial buildings shall be conducted over a 30 year study period with appropriate service lives included in the analysis.

ECM Service Life

The evaluation shall be conducted using the appropriate service lives of the measures.

Mortgage Parameter Values

Mortgage interest rate: tied to a relevant and appropriate commercial lending vehicle.

DCA will work with BOMA to develop recommendations for rule adoption hearing.

Mortgage down payment: based on appropriate commercial lending vehicle(s)

DCA will work with BOMA to develop recommendations for rule adoption hearing.

Annual Rate Parameter Values

General inflation rate: the greater of the most recent 5-year and 10-year Annual Compound Interest Rate (ACIR) computed from the annual average Consumer Price Index (CPI) as reported by the U.S. Bureau of Labor Statistics.

Discount rate: General inflation rate plus 2%.

Fuel escalation rate: the greater of 5-year and 10-year ACIR computed from revenue-based prices as reported by Florida Public Service Commission minus the general inflation rate.

The baseline electricity and natural gas prices used in the analysis be the statewide, revenue-based average commercial price for the most recent available 12 months as provided by the Florida Public Service Commission.

Cost Effectiveness Criteria

For present value cost-to-benefit ratio (PV/CB) a value of 1.0 or greater.

For the internal rate of return (IRR) on investments, a value equal to 8%. {The recommended value is approximately 1.5% greater than the guaranteed return on State of Florida DROPS (retirement account) investments and is considered large enough that any rational investor would consider the investment wise compared with any other long-term investment.}

DCA will work with BOMA to develop recommendations for rule adoption hearing.

*For the levelized cost of conserved energy (LCCE), a value equal to the statewide commercial revenue-based retail cost of electricity adjusted at the fuel escalation rate over one-half of the life of the measure (yields average over the measure life). {This is based on the fact that, over their life, accepted measures will cost consumers the same or less than purchasing electricity from the utility, where: LCCE criteria = (current price) * [(1+fuelEsc) ^ (life/2)].}*

Evaluation Methodology for Measures and Packages of Measures

Create multiple packages of ECMs that result in the target % efficiency increase for each code cycle update (20, 30, 40 and 50%), based on comparison to the 2007 FBC as adopted October 31, 2007 (without the 2009 supplement).

Evaluate each ECM using adopted cost effectiveness indicators (PVBC, IRR, LCCE), within their specific package of ECMs. PVBC will be considered the primary measure with IRR and LCCE used as measures for illustration and communication of individual ECMs and packages of ECMs comparative economic viability.

Validation of the cost effectiveness of Florida Energy Efficiency Code for Building Construction changes shall mean that a number of ECM packages evaluated to comply with the statutory percent energy efficiency increase requirements have a greater benefit than cost as measured in present value dollars.

Commission Member Comment and Issues

Chairman Rodriguez invited Commission members to make and general comments to the Commission, or identify any issues or agenda items for the next Commission meeting (June 2009).

Commission Member Comments:

Gergory: thanked the Commission for supporting the pool industry by forming a subcommittee.

General Public Comment

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

Public Comments:

None were offered.

Adjourn

The Commission voted unanimously, 23 – 0 in favor, to adjourn the meeting at 1:25 PM.

ATTACHMENT 1

MEETING EVALUATION RESULTS

February 3, 2009—Melbourne, 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.

- 9.58 The background information was very useful.
- 9.47 The agenda packet was very useful.
- 9.89 The objectives for the meeting were stated at the outset.
- 9.79 Overall, the objectives of the meeting were fully achieved.

2. Do you agree that each of the following meeting objectives was achieved?

- 9.89 Accessibility Waiver Applications.
- 9.84 Requests for Declaratory Statements.
- 9.89 Approval of Products and Product Approval Entities.
- 9.84 Chairs Issues and Recommendations.
- 9.79 Commission's Workplan and Meeting Schedule Review and Update.
- 9.84 Effectiveness Assessment Survey Results.
- 9.89 UF Research Projects Presentation.
- 9.95 TAC and POC Reports and Recommendations.
- 9.95 Workgroup and Committee Reports and Recommendations.
- 9.89 Rule Development Workshop on Rule 9B-70.002, Education.
- 8.05 Rule Dev. Workshop on Rule 9B-3.047, FBC/2008 NEC, Interior Designers, Law Conflicts.
- 9.84 Rule Dev. Workshop on Rule 9B-13.0071, Cost Effectiveness of Amend's to Energy Code.

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

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

4. Please tell us your level of satisfaction with the meeting?

- 9.63 Overall, I am very satisfied with the meeting.
- 9.84 I was very satisfied with the services provided by the Facilitator.
- 9.68 I am satisfied with the outcome of the meeting.

5. Please tell us your level of satisfaction with the meeting?

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

6. What did you like best about the meeting?

- Chair and facilitator work well together.
- Jim Richmond standing up the opposing counsel.
- Working out our differences.
- The hotel facility was excellent, the sound was not.
- Short two day format.
- Great being back in Gainesville after 36 years...Thanks.

7. How could the meeting have been improved?

- Very hard to understand some individuals.
- Have everyone speak clearly into the microphones.
- Needed more supporting documents.
- Changing Energy TAC to Monday afternoon, would have saved me traveling on Sunday.
- Ice Cream.
- Coffee during meeting.

8. Members Evaluation Comments.

- Raul: nice job on instructing new members.
- Jeff and staff did a great job.
- Product approval process has greatly improved.
- I sure was confused about the settlement issue with interior designers.
- Good meeting.
- Nice venue for meeting.
- Very good facility.

Comments on Specific Agenda Items:

- We needed the Settlement Agreement prior to and during the meeting.

PUBLIC-MEETING EVALUATION AND COMMENT RESULTS

None were completed.

ATTACHMENT 2

COMMISSION’S UPDATED WORKPLAN AND MEETING SCHEDULE

(Adopted Unanimously April 7, 2009)

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 2009 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 report to 2009 Legislature	2/09

Status: **Completed**
% Complete



100%

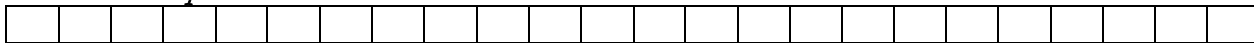
Origination: Commission. Annual task authorized by statute

2. Workplan Prioritization

Schedule:

Survey sent to Commissioners	9/09
Review results at meeting	10/09

Status: **Pending**
% Complete



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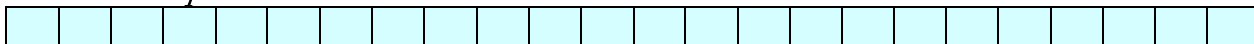
Origination: Commission. Annual task.

3. Commission Effectiveness Assessment Survey

Schedule:

Discussion of survey instrument at Commission meeting	2/09
Review results at meeting	4/09

Status: **In Progress**
% Complete



100%

Origination: Commission. Annual task.

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: **Completed**

% Complete



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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)

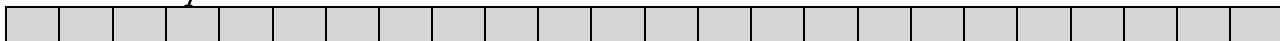
Schedule:

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: **Completed**

% Complete



100%

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
	5/08
Submit for amendment of 2007 FBC during Glitch Cycle	
Adopt techniques and retrofit mandates in 2007 FBC via Glitch Cycle	
See Glitch Amendment Task 8 schedule	

Status: Completed

% Complete



100%

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)

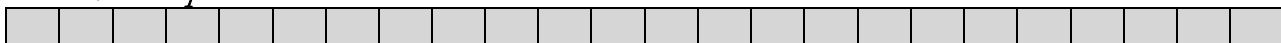
Schedule:

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: Completed

% Complete



100%

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: Completed

% Complete



100%

Origination: The 2007 Florida Legislature directed the Commission to evaluate the consequences of 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)

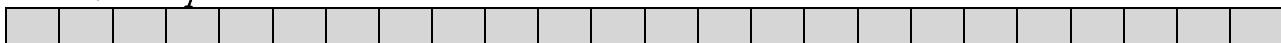
Schedule:

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



100%

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.

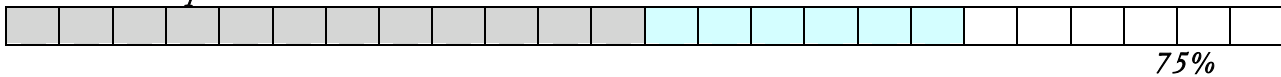
41. Review the 2008 National Electric Code for Adoption by *Separate 2009 Glitch Amendment*

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: **In Progress**

% Complete



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

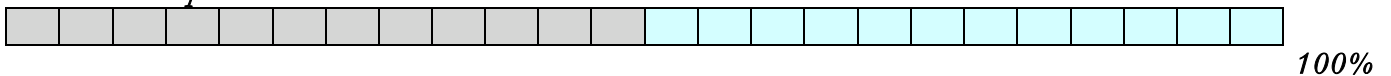
42. Repeal of CO Detector, Pool Bonding and Mitigation Rules

Schedule:

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

Status: **Completed**

% Complete



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
	4/7/09
Report to Commission and DOH	6/09

Status: In Progress

% Complete



88%

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 by 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: Completed

% Complete



100%

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: Selected	
Recommend adding entities to list in law	
Commission includes in report to Legislature (See Task 36)	2/09

Status: Completed

% Complete



100%

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: Completed

% Complete



100%

Origination: Accessibility TAC

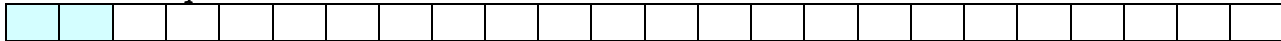
33. Evaluate Swimming Pool Entrapment Standards Application to Existing Pools

Schedule:

Appoint Workgroup 4/8/09
Workgroup meetings 6/10/09
8/12/09
Recommendation to Commission 10/09
Proposal for 2010 Legislature and/or 2010 FBC Update 12/09

Status: Pending

% Complete



10%

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 12/12/08
Commission finalizes recommendations for Report 1/30/09
Commission report to 2008 Legislature 2/09

Status: Completed

% Complete



100%

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 Workshops	12/10/08
Rule Adoption Hearings	2/04/09
Rule Effective	3/09

Status: **Completed**

% Complete



100%

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

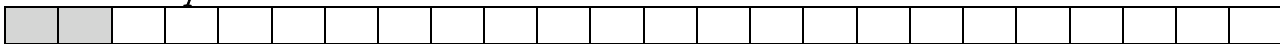
43. Coordination with Florida Department of Health on Accessible Restroom Requirements in Public Pool Licensing Regulations

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



10%

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

2010 FBC UPDATE DEVELOPMENT TASKS

Code Assembly Process

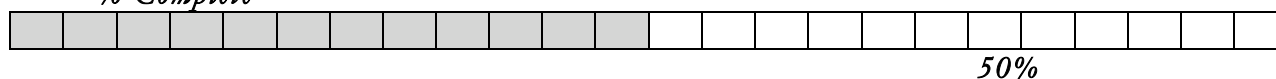
22. Evaluate and Adopt the Development Process for the 2010 Florida Building Code

Schedule:

Chairman appoints a study committee	1/08
Committee meets to review and develop recommendation	12/10/08
Committee recommendation to Commission	2/4/09
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

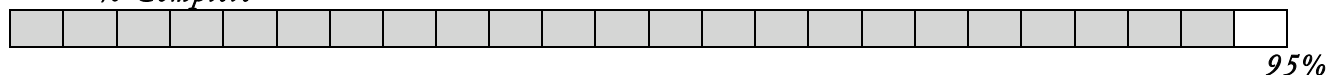
9. Load Side - Wind Pressure Research

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 errors 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
Contract extension for additional testing	1/09
Reporting	4/09

Status: In Progress

% Complete



50%

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.

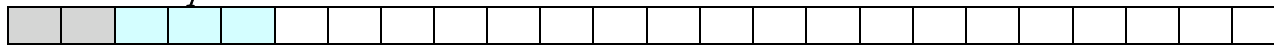
24. Evaluate Hurricane Wind Pressure and Wind Driven Rain Criteria for Soffit Systems and Establish Labeling Requirements

Schedule:

Appoint workgroup	3/19/08
Include task in UF components and cladding contract	3/08
Workgroup meetings	11/6/08 2/4/09 4/8/09 6/11/09
Recommendations ready to propose for 2010 FBC	6/09
Report to Structural TAC and Commission	2009

Status: Pending

% Complete



25%

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: **RECOMMEND DELAY DUE TO BUDGET CONSTRAINTS**

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 2007 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.

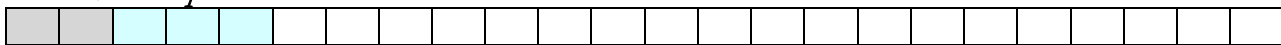
38. Evaluate Adoption of Flood Standards in the Florida Building Code

Schedule:

Workgroup appointed	12/08
DEM contract with FSU/CRC	1/09
Workgroup meetings	3/25
	4/29
	5/29
Recommendations to Commission	6/09
Proposals for 2010 FBC submitted for adoption	12/09
(See 2010 FBC development schedule)	

Status: Pending

% Complete



25%

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.

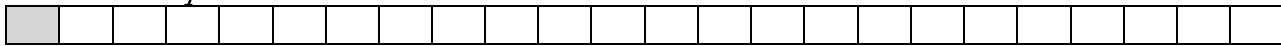
44. Evaluate Storefront and Curtain Wall Glazing Labeling for the 2010 Florida Building Code

Schedule:

Workgroup appointed	2/09
Workgroup meetings	6/15/09
	8/12/09
Recommendations to Commission	8/09
Proposals for 2010 FBC submitted for adoption (See 2010 FBC development schedule)	12/09

Status: Pending

% Complete



5%

Origination: Industry request at the December 2008 Commission meeting.

Energy Code

The 2008 Legislature established several directions for development of the Florida Energy Code provisions of the 2010 Florida Building Code. The broadest direction is the requirement for 20% increase in efficiency and the other tasks fall under it. Three additional not legislated energy code related tasks are on the work plan also. All tasks must be coordinated for determination of the requirements for the 2010 Code. Consequently, they are organized under the broad task.

Primary Task -

35. Study Energy Conservation Measures and Develop a Plan for 20% Increased Efficiency Requirement for 2010 FBC (HB 697 and HB 7135)

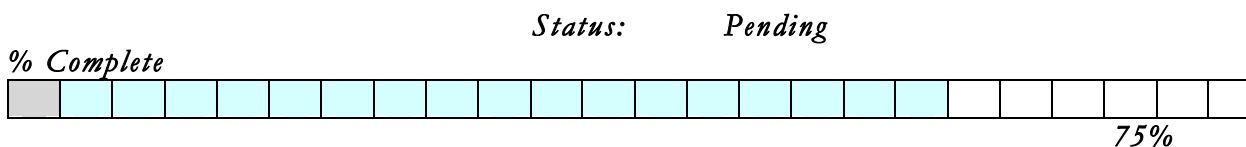
Origination: The 2008 Legislature directed the Commission to enact specific increase in building energy efficiency requirements in HB 697 (Building Code) and HB 7135 (Energy). This task initiates the study and development of a schedule of increasing requirements, the first of which are to be enacted in the 2010 FBC whose development begins in 2009.

Sub-Tasks –

27. Develop Rule for Energy Code Cost Effectiveness Test (HB 687 and HB 7135)

Schedule for Sub-Task 27:

Appoint Work Group	12/9/08
Work Group/TAC meetings to develop recommendation	2/3/09
	3/5/09
	3/27/09
Rule Development Workshop	4/09
Rule Adoption Hearing	6/09
Rule Effective	7/09



Origination: The Commission was directed by the 2008 Florida Legislature in HB 697 and HB 7135 to develop a cost effectiveness test criteria by rule to be applied to justification for increased residential building energy efficiency requirements.

42. Identify Specific Building Options to Achieve the Energy Efficiency Improvements (list identified in HB 697 and HB 7135)

Origination: Energy act of 2008 (HB 7135) directs the Commission to include, as a minimum, certain technologies for achieving enhanced building efficiency targets established by the Act in the Florida Energy Code. The Building Code act of 2008 (HB 697) directs the Commission to facilitate and promote the use of certain renewable energy technologies.

29. Develop Criteria for Energy Efficient Pool and Spa Systems

Origination: Energy act of 2008 (HB 7135) directs adoption of pool pump efficiencies in the 2010 FBC. During discussions with the Florida Spa and Pool Association regarding energy efficiency requirements for pool pumps members suggested improved efficiency could be achieved through criteria for pool hydronic system design.

39. Study Energy Conservation Measures for Replacement of Air Conditioning Equipment

Origination: Recommendation of the Energy TAC resulting from consideration of Energy Code amendment proposals regarding replacement air-conditioning systems at the October 2008 meeting. Approved by the Commission October 15, 2008.

26. Investigate Humidity Control Problems for Hot and Humid Climates

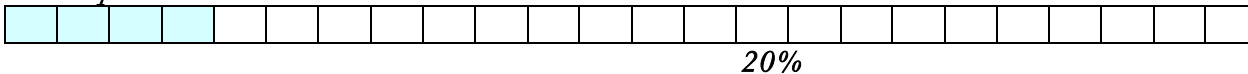
Origination: The original workgroup recommended not pursuing special ratings for AC equipment used in hot and humid climates and recommended addressing the concerns with matching equipment moisture removal capabilities to building latent and sensible heat loads through the Florida Energy Code. Potential moisture control problems will be a part of the consideration for how to achieve improved building energy efficiencies directed by law.

Schedule for Sub-Tasks 42, 29, 39 and 26:

Work Group/TAC considers options and develops consensus plan	3/27/09
	4/30/09
	5/28/09
	8/09
Recommendations to Commission	10/09
Proposals submitted for 2010 FBC Update	12/09

Status for Sub-Tasks 27, 42, 29, 39 and 26: Pending

% Complete



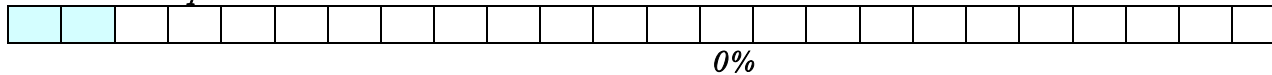
45. Evaluate Requirements for Green Roofs Recognition in Florida Building Code

Schedule:

Workgroup appointed	4/8/09
Workgroup meetings	6/9/09
	8/09
Recommendations to Commission	10/09
Proposals for 2010 FBC submitted for adoption (See 2010 FBC development schedule)	12/09

Status: Pending

% Complete



Origination: Request of Roofing TAC at December 2008 Commission meeting.

OTHER ENERGY AND GREEN TECHNOLOGY TASKS

Energy

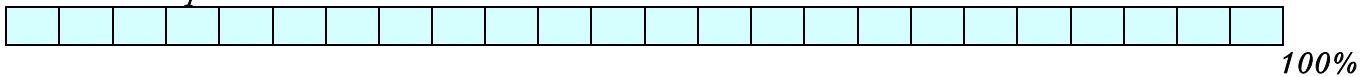
46. Evaluate Equivalence of 2009 Florida Energy Code to ASHRAE 90.1-2007 for Commercial Buildings and to the IECC 2009 for Residential Buildings and Report to the Governor's Office

Schedule:

Evaluation conducted by staff/contractor	3/09
Chairman provides letter to Governor's Energy Office	3/13/09

Status: Pending

% Complete



100%

Origination: Achieving equivalence with these standards is required by the 2009 Stimulus Bill for Florida to obtain funding for State Energy and Weatherization Programs.

“...the Governor will take all actions within his or her authority to ensure that the State, or the applicable units of local government that have authority to adopt building codes, will implement—

(A) building energy codes for residential buildings that the Secretary determines are likely to meet or exceed the 2009 International Energy Conservation Code;

(B) building energy codes for commercial buildings that the Secretary determines are likely to meet or exceed the ANSI/ASHRAE/IESNA Standard 90.1–2007; and

(C) a plan for implementing and enforcing the building energy codes described in subparagraphs (A) and (B) that is likely to ensure that at least 90 percent of the new and renovated residential and commercial building space will meet the standards within 8 years after the date of enactment of this Act.”

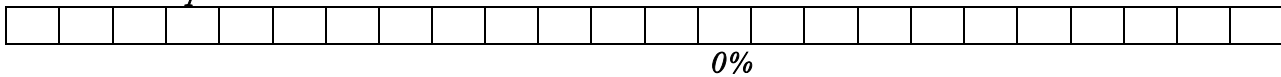
47. Evaluate Equivalence of 2009 Florida Energy Code Commercial Building Requirements to ASHRAE 90.1-2004 and Certify to the U.S. Department of Energy

Schedule:

Evaluation conducted by staff/contractor	3/09-6/09
TAC considers evaluation report	6/8/09
Recommendations to Commission	6/9/09
Commission reports to Governor's Office and DOE	6/09

Status: Pending

% Complete



0%

Origination: This task is required by federal law. Title III of the Energy Conservation and Production Act, as amended, (42 U.S.C. 6833(b)(2)(B)(i)) requires that each state must certify equivalence of its energy code to the edition of ASHRAE 90.1 that the U.S. Department of Energy determines sets the energy efficiency standard for commercial buildings.

Green Technologies

Primary Task –

Water Conservation Initiatives

Sub-Tasks -

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

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 codes 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.

Schedule: RECOMMEND DELAY DUE TO BUDGET CONSTRAINTS

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

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.

Schedule: RECOMMEND DELAY DUE TO BUDGET CONSTRAINTS

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



5%

ACCESSIBILITY CODE UPDATE

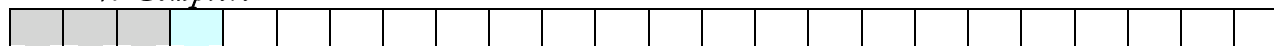
40. Develop Integration of Florida Accessibility Law into the 2009? Standards for Accessible Design Being Adopted by the US Department of Justice

Schedule:

Appoint work group		12/12/08
Staff Developed Starting Draft Meetings	1/09	
		2/2/09
		4/6/09
		6/8/09
		8/10/09
		10/09
Recommendation to Commission		8/10/09
Public Hearings		10/09, 12/09
Commission adopts recommendation to Governor and Legislature		12/09
Report to Legislature		2/10

Status: *Pending*

% Complete



20%

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

2010 FBC UPDATE

48. 2010 Update to the Florida Building Code

2010 Update to the Florida Building Code

Printed 2009 International Codes published and available to the public	4/2/09	
By law- 6 month delay before Commission can select new I codes		
Commission selects 2009 I Codes as foundation for 2010 FBC <i>(Dec Cmsn meeting)</i>	12/09	
<i>(Note: 2009 I Codes must be available to public for 6 months prior to selection)</i>		
First Draft 2010 FBC/2009 I codes with existing Florida mods ready for review	12/09	
Proposed amendments to the 2009 I Codes and Florida specific mods due	3/10	
Florida specific existing mods overlap with 2006 to 2009 I Codes changes; local amendments; and, proposed 2010 FFPC correlation modifications submitted by staff <i>(see subtasks below)</i>	3/10	
Proposed amendments posted to the Web by	4/10	
45 day comment period ends <i>(By law- 45 day min before TAC review)</i>	6/10	
TACs review proposed Florida amendments and make recommendations <i>(June Commission meeting)</i>	6/10	
TAC recommendations posted to web	7/10	
45 day comment period ends <i>(By law- 45 day min before Commission review)</i>	8/10	
TACs review comments and prepare public comment for Rule Workshop	8/10	
Commission considers TAC recommendations on proposed amendments	8/10	at Rule
Development Workshop <i>(August Commission meeting)</i>		
Rule Adoption Hearing <i>(October Commission meeting)</i>	10/10	
File Rule adopting the 2010 FBC	11/10	
2010 FBC published online	2/11	
Printed Codes available to the public	4/11	
Code amended to resolve glitches <i>(see Glitch schedule below)</i>	4/11-9/11	
Code implemented <i>(By law- no sooner than 6 months from available to public)</i>	12/31/11	
<i>Note: By law this is the latest date the Florida Fire Code can be implemented. The goal is to implement the FFPC and FBC concurrently.</i>		
Subtasks:		
Joint Fire TAC/Fire Code Advisory Council review of I Codes changes to FFPC conducted	4/09-3/10	
Correlation committee review of Florida specific amendments overlap with 2006 I Codes	4/09-3/10	
<i>(Note: Subtasks identify proposed code modifications that are integrated into the code development process.)</i>		

2. Glitch Amendments to the 2010 Florida Building Code

Schedule:

2010 Code published online	2/11
Printed 2010 Codes available to the public	4/11
Glitch amendment submittal DEADLINE	6/11
Rule development workshop (<i>August Commission meeting</i>)	8/11
Rule adoption hearing (<i>October Commission meeting</i>)	10/11
Glitch Rule adopted (filed)	11/11
Glitches published and available to public	12/11
2010 FBC effective	12/31/11

*Note: By law this is the latest date the Florida Fire Prevention Code can be implemented.
The goal is to implement the FFPC and FBC concurrently.*

Subtask:

Review 2011 NEC (<i>Note: not subject to glitch proposal submittal deadline</i>)	1/11-6/11
Recommend whether to adopt as glitch (<i>August Commission meeting</i>)	8/11
Adoption per schedule above	

Supplement and replacement pages publication and printing

<i>Supplement published to web for free downloads</i>	<i>12/1/11</i>
<i>ICC provides replacement pages for sale</i>	<i>4/12</i>

ATTACHMENT 3

ASSESSMENT SURVEY RESULTS

Respondents (16): Raul Rodriguez (Chair), Bob Boyer, Ed Carson, Kiko Franco, Herminio Gonzalez, Jim Goodloe, Ken Gregory, Dale Greiner, Jeff Gross, Jon Hamrick, Bill Norkunas, Rafael Palacios, Jim Schock, Chris Schulte, Tim Tolbert, and Randall Vann.

Commissioners were asked to circle the number that best describes how the Commission functions on each of the following scales: Scale Range 10 - 1 (10 highest rating to 1 lowest rating)

Decision Making Process

Average: 9.7

Commission uses process to effectively build a broad-based consensus.

Commission uses process to make a majority decision without a consensus of members.

10	9	8	7	6	5	4	3	2	1
11	5	0	0	0	0	0	0	0	0

Comments:

- Facilitator has always worked very diligently to assure a level playing field. Consensus is always the goal.
- Everyone is allowed an opportunity to ask questions and express opinions. The discussion/debate is very informative and productive.
- The Commission uses all available data and goes out of its way to gather data. The decisions are made on the most informed basis at the time.
- I believe this is one of the things we do best.
- This works however sometimes achieving 75% agreement can have a tendency to water-down otherwise strong requirements. 66% may be better.
- Not perfect but pretty darn close.
- Yes, our mandate is consensus building. But there does come a time when it would be better if the Commission could act aggressively when life safety is an issue.

Participation and Communication

Average 9.4

Communications are respectful, balanced and points are clearly understood.

Some members dominate. Limited listening and understanding.

10	9	8	7	6	5	4	3	2	1
9	5	2	0	0	0	0	0	0	0

Comments:

- The Chair is always gracious and welcomes open discussion.
- I believe that all commissioners, DCA staff members and our facilitator could not possibly be more accommodating and respectful. This all provides the grounds for achieving great results.
- The use of workgroups allows time to evaluate the technical issues and get full understanding.
- Extremely professional and always cordial...always respectful.
- I believe that the Commissioners are respected for their expertise and knowledge. Their input is vital to the process and participation may be varied based on specific topics. While participation may be varied...understanding the communication is more important.
- For the most part we don't have meeting monopolizers, fortunately!
- My rating on this subject has risen since the last Survey. Communication is more balanced then in previous years.

Commission Relationship to Agency (DCA) Average 9.0

Commission has developed effective working relationship and communication with Agency.

Commission has not developed effective working relationship and communication with Agency.

10	9	8	7	6	5	4	3	2	1
10	3	1	0	1	0	0	1	0	0

Comments:

- DCA staff is very professional and very well informed. Their support to the FBC is essential.
- DCA staff are true professionals
- I think the relationship with staff is more important than the relationship with the agency. Staff IS the agency for all practical purposes.
- DCA staff is always extremely helpful.
- I don't know about this so I think that answers itself.
- Good relationship—Great effort by Staff to bridge relationship between Agency and Commission. Opinions differ on some subjects, not unexpectedly.

Commission Relationship to Staff Average 9.6

Commission has developed effective working relationship and communication with staff.

Commission has not developed effective working relationship and communication with staff.

10	9	8	7	6	5	4	3	2	1
12	3	0	1	0	0	0	0	0	0

Comments:

- Excellent!
- This is excellent. I am concerned that institutional knowledge will be lost if they don't bring in some younger staff.
- Commissioners are well taken care of.
- The relationship with staff is vital. It must be respectful and informative with the attention on staff providing competent understandable data and communicating in a way that breeds confidence.
- DCA staff support is wonderful.
- Staff puts forth tremendous effort and results are evidenced by the volume and accuracy of the work the Commission produces. Only continuing concern is for information that is presented to Commission late where by Commissioners are unable to research information prior to making a decision.

Time for Consideration

Average 8.9

Adequate time for presentation, generating options, analysis and decision making.

Snap decisions are made or decisions are deferred because of lack of time.

10	9	8	7	6	5	4	3	2	1
7	5	1	2	0	1	0	0	0	0

Comments:

- I have not perceived any time where the Commissioners, staff or the public have been rushed. The decisions are made after the appropriate time is dedicated to everyone.
- Effectively uses workgroups.
- It doesn't always look like the time was allotted and spent judiciously in some cases. However, there are statutory time constraints and conditions that create the illusion of a poor decision making process. It is important that the Commission is sure they have received all relevant data and that data has been reviewed and considered as part of the process.
- For the most part we get time. This all changes when outside forces jamb issues down our throats.
- The recent appearance of two lawyers and the request for us to investigate a matter was not timely communicated to all Commissioners.
- Timely for the most part. Concerned for items delivered to the Commission late. Understandably, some items come to staff and the Commission late and has to be decided quickly.

Information and Analysis

Average 9.1

Critical background and assessment of options yield politically and practically feasible decisions.

Too little or too much, or hard to use information on the situation, options & impacts yield hard to implement decisions.

10	9	8	7	6	5	4	3	2	1
6	6	3	1	0	0	0	0	0	0

Comments:

- I believe that the results speak for themselves.
- We do a pretty good job.
- While we would like to keep the 'political' out of the process, the reality is that is part of the process. The Commission has to focus on the public need and blend that with the political ramifications.
- Sometimes I don't feel like options are presented.
- I don't believe there can be too much information provided, but there can certainly be too little provided.
- Staff does a commendable job of providing enough information and analysis. Staff is very knowledgeable and their opinions are appreciated.

Process/Meeting Facilitation

Average 9.8

Facilitation provides a positive impact on meeting efficiency, and consensus-building for the Commission and its committees.

Facilitation obstructs the efficiency of the meeting process, and negatively impacts consensus-building for the Commission and its committees.

10	9	8	7	6	5	4	3	2	1
12	4	0	0	0	0	0	0	0	0

Comments:

- Our Facilitator is the best I've witnessed in my 30+ years business experience.
- The Facilitator is a key player in the FBC's processing of its required tasks. I perceive the Facilitator as a mediator that provides for all the angles to be studied, every voice to be heard and every point to be covered. The Facilitator never takes a position and acts with complete impartiality.
- This is particularly effective in pulling together ideas in the workgroups.
- Mr. Blair does an excellent job keeping us on point and the meetings on schedule.
- Facilitator has the toughest job of all staff.
- Without facilitation the process would take much longer, have less focus, if not grind to a halt altogether. It is absolutely imperative that facilitation occurs with a group this large. Without facilitation we have chaos.
- Jeff's the "bomb." He is able to keep the meetings on point and get things done in a timely fashion.
- Jeff does a great job of helping to keep us on track.
- Can't say enough good things about this service. Commission would be severely impacted (negatively) without the services provided.

WHAT ARE THE KEY TASKS AND/OR UNRESOLVED SUBSTANTIVE ISSUES THAT NEED TO BE ADDRESSED BY THE COMMISSION DURING 2009?

Energy Issues

- Improvements on renewable and sustainable energy use should be an important goal of the FBC.
- I believe the Commission needs to keep close watch and have a clear understanding of the Energy initiatives being brought forward. While I am a proponent of energy conservation, it needs to be weighed against the fiscal impact on Floridians and our industry.
- Consider and adopt recognized energy standards in the FBC.

Code Issues

- Getting code updates started so the effective date of a code isn't 2 years later than the date of the code.
- Implementation and education regarding the new 2007 code.
- Start the process for implementing the 2010 codes.
- Continue to coordinate the various codes.
- Update and approve the 2010 FBC.
- Evaluate and consider ASCE 7-10 in the update to the 2010 FBC.
- Start the process for the 2010 edition of the FBC.
- We need to solve the problem with older pools and when they should be required to comply with the current code. When a contractor does a repair to an older pool does he or she take on added liability for items of safety that they did not address.
- Declaratory statement, accessibility waivers, product approval, and public input in code process.
- Continue the process for the adoption of the 2004 ADAAG Standard.
- Need to carefully consider the net effect of the economy on the Code we have been appointed to administer. Careful consideration must be taken when deciding upon code changes to analyze what the net cost/benefit effects are prior to making decisions. The health and welfare of the citizens of the State of Florida should always be the primary consideration, but the economic impact of our decisions must now, more than ever, be carefully scrutinized.

Enforcement Issues

- The Florida Existing Building Code is very ambiguous in several sections. One example is section 909.1 which states "The intent of the Florida Building Code Mechanical provisions shall be complied with for new construction". This rather nebulous statement is open to a wide range of interpretations. There is simply no consistency in enforcement from jurisdiction to jurisdiction.

Administrative/Logistical Issues

- Get the new Subcommittee/Workgroup, Pool and Green and Energy Efficient Roofs, up and running.
- What is in the workplan (is what should be addressed).
- Finding funding and grants to help everyone to administer, train and enforce the codes.
- The short-term is going to be governed by the economy. No need to delve into the specifics other than the obvious. Construction activity is at an all time low and there is no apparent hope for change in 2009. Obviously, budget constrains will be a concern for at least a couple of years.
- I would guess that the Commission will utilize teleconference meetings as an alternative to travel costs for the next couple of years. It is my opinion that a written procedure/protocol should be developed

for facilitating these meetings. Currently, teleconference meetings can become difficult with background noise, bad connections, multiple speakers at one time, and general difficulties associated with conducting faceless meetings. Although a procedure may not resolve all issues, it may assist with the melding of Robert's Rules decorum and teleconference meetings.

WHAT WOULD YOU LIKE THE COMMISSION TO HAVE ACCOMPLISHED WITHIN THE NEXT FIVE (5) TO TEN (10) YEARS?

Consensus-Building Role and Collaboration

- The Commission's most important role, in my opinion, is to provide a forum where stakeholders from industry, professions and building officials can bring technical issues for vetting in an open process where consensus can be achieved. To accomplish this on a continuing basis is the Commission's greatest accomplishment.
- An understanding by the Legislature of the established code process.

Energy Efficiency and Green Building

- Continue to improve the quality of our buildings in all aspects of (safety and) energy conservation.
- A real simplified approach to energy and green building.
- Energy conservation and Green construction appear to be the two big topics looking forward. I would look for the Commission to provide guidance to industries as to direction and assist by sharing expertise and inviting new technology to be displayed at plenary sessions. The Commission must begin to plan for these new technologies by commencing the framework for new code language that may be required to utilize innovative products and systems in Florida while still protecting the citizens of Florida.

Code Development and Code Provisions

- I would like to see the FBC get a methodology (or suggest a methodology to the legislature), where improvements to existing building to meet more restrictive current code requirements be made financially attractive to the owners. One thought is to have the Legislature give tax credits to the building owners that upgrade their buildings.
- The unification of the FBC HVHZ with the FBC Non-HVHZ. Our code should be unified into a single pressure based, or wind-speed based, code utilizing the best construction practices available. The wind's effects do not change from Broward to Palm Beach so the basis of the code should not vary either. Let's pick the best practices, best testing criteria for products and systems, and best technologies available to create a single code. We have bridged the gap with product approvals (State vs. NOA's) so let's continue to work toward a single code. I believe the code cycle and glitch changes would become easier to understand for all involved parties leading to lower maintenance costs, allowing for consistent enforcement, and would allow for uniform building practices throughout the State. These benefits have always been goals for the Florida Building Commission.
- I think we lead the nation with our codes. I would like to see us continue to be the shining star of all 50 States in building codes and energy efficiencies. We should be the model other States aspire to be.
- A smooth transition process to the three year code cycle.

- I believe the Commission needs to be aware of the growing mountains of volumes of codes, standards and the likes that are being created. At the rate we are going, the building codes are going to look like the tax codes in sheer volume before too long. I suppose this does keep a lot of folks employed, however!
- To get an increase in our budget and then an increase in DCA staff support, then to timely update the FBC every three years as the Legislature intended us to do.
- Improvements to permit a consistent effective Code implementation date at three year intervals.
- I would like to have both residential and commercial pools under one TAC. At the very least have a residential swimming pool TAC. We should get 6E-E in line with 424, and they should say the same things. I would also like to see that the building departments take on the sticks and bricks and leave the sanitation issues to the DOH.
- 2010 edition of the FBC.
- Adoption of the 2004 ADAAG Standard.
- Putting all Florida specific issues into the body of the national base codes.

Code Enforcement and Compliance

- To make code compliance less complicated for the building industry.
- Simplify the code compliance process.
- More unified permitting and code interpretation throughout the state.

Emergency Response and Public Safety

- Develop guidelines for emergency response by the building industry and standardize procedures for recovery. This would allow for a coordinated mutual aid response without training being required to cover local methodology.
- Continue to improve the quality of our buildings in all aspects of safety (and energy conservation).

Building Code Information System (BCIS)

- Enhance the BCIS' Manufactured Buildings Program's search fields to allow custom searches of tabulated data (i.e., use in HVHZ, exposure category, wind speed, etc.).

ATTACHMENT 4

COLLABORATION, RESPONSIBILITY AND SUCCESSFUL PROJECTS

A successful project is a collaboration between members, staff, facilitator(s), consultants and affected stakeholder interest groups. Consensus-based processes and decisions, developed working with diverse stakeholder interests affected by the issue(s), takes time to educate members' on the range of issues and possible solutions. Members have different levels of expertise and knowledge on the issues and require different levels of preparation/education ("getting up to speed") before they are prepared to evaluate options and make decisions. This is especially relevant to consensus-based decisions that strive for unanimity, or at a minimum a 75% level of support. In consensus-based processes one is not dealing with a simple majority decision requirement, instead the full range of issues and options are evaluated with the goal of ensuring stakeholder interests are addressed to the extent possible, and at a minimum are fairly considered. The reality is that consensus decisions, once reached, are durable, efficacious, long-lasting, and will have achieved the support of most if not all of the stakeholder interests affected by the issue(s).

A project will be successful to the extent that staff, facilitator(s) and project consultants plan meetings and meeting objectives, ensure members receive relevant materials, and design and prepare agenda packets, worksheets, surveys, and summary reports sufficiently in advance of meetings.

A project will be successful to the extent that members' (committee/workgroup/commission, council, task force, etc.) review materials, study the issues, consult with constituent stakeholders (not other members) between meetings, complete pre and between meeting assignments, and prepare prior to the first meeting and between subsequent meetings. If there are documents and/or information members believe should be evaluated they should let staff/facilitator(s)/consultants know. Similarly, if there are meeting objectives and/or agenda items member's think should be added to the agenda, they should identify them during "Agenda Review" and during the "Next Steps" phase of each meeting where next meeting agenda items are requested.

There are also other factors affecting meetings, including but not limited to:

- How much time is allocated for the meeting. This is usually driven by limited resources (i.e., time, money, travel authorization).
- What the agreed upon objectives are for the meeting, again based on time, resources, and available relevant information.
- Staff and member crossover conflicts between different workgroups/committees.
- Different levels of expertise, experience and knowledge between the members.
- The need to bring all members up to speed sufficient to craft consensus recommendations that enjoy support across diverse stakeholder interests.

If a member, after letting staff/facilitator(s) know their perspective, still does not believe the agenda of a meeting (i.e., organizational meetings) is sufficiently substantive to justify travel costs and/or their time, they may consider sending an alternate who lives closer to the meeting location.

In summary, meeting success is a group effort requiring collaboration, cooperation, planning, commitment, time and resources. It is the responsibility of staff, facilitators, consultants, members, stakeholder groups, and the public to ensure meetings are productive and successful. In short, it is "our" responsibility.

ATTACHMENT 5

ACCESSIBILITY WAIVER SUMMARY

Waivers from Accessibility Code Requirements—April 7, 2009

- 1. Florida International University School of International and Public Affairs**, 11210 SW 12th Street, Miami. The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating in three areas of the proposed new building: 2 98-seat classrooms with stadium seating and a 489-seat auditorium. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels. The Commission approved the waiver as recommended.
- 2. Visual and Performing Arts Teaching Facility, University of South Florida**, 4202 E. Fowler Avenue, Tampa. The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating in two areas of the proposed new building: A small recital hall and a larger concert hall. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels. The Commission approved the waiver as recommended.
- 3. Palm Beach County Fire Rescue Station No. 32**, 4022 Charleston Street, Lake Worth. Three council members recommended granting a waiver from provision of vertical accessibility to the second floor of a proposed new fire station and one member was opposed. The basis for the waiver is that the fire station has been designed in accordance with the Uniform Federal Accessibility Standards (UFAS) which allow areas not open to the public, and in which persons with physical disabilities cannot perform the physical duties required, to be constructed without vertical accessibility. The second floor of the fire station will be occupied only by fire fighters, and the ground floor is accessible. This project was previously granted a waiver in January of 2008, but the station has not yet been built and the waiver expired after 1 year. The Commission approved the waiver as recommended.
- 4. South Florida Community College Auditorium Renovation**, 600 West College Drive, Avon Park. The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating and to the tiered box seats in an auditorium undergoing major renovation. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels and to the box seats. The Commission approved the waiver as recommended.
- 5. Southside Saddle Club**, 2980 Greenbrier Road, Jacksonville. The Council unanimously recommended granting, with conditions, a waiver from provision of vertical accessibility to all rows of seating in an existing bleacher. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels of the bleacher. However, the Council recommends granting the waiver on condition that an appropriately sized concrete wheelchair pad will be installed beside the bleacher within one year because there is currently no place to put a

wheelchair near the bleacher except on the grass or the sidewalk. The Commission approved the waiver as recommended.

6. **Remington College – Tampa Campus**, 6302 E. Martin Luther King Jr. Blvd., Tampa. The Council unanimously recommended granting, with conditions, a waiver from provision of vertical accessibility to all rows of seating in a 49 seat criminal justice classroom that is undergoing renovation. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels. The Council recommends conditioning the waiver upon moving the proposed locations of the accessible seats so that they are not on the ends of rows. The Commission approved the waiver as recommended.
7. **Henrosa Hotel**, 1435 Collins Ave., Miami Beach. The Council unanimously recommended granting, with conditions, a waiver from provision of vertical accessibility to two areas of an existing three story hotel which was built in 1935 and is a qualified historic building under the ADA and the Florida Building Code. The first area is access to the second and third floors, because the existing elevator does not meet the current elevator size requirements and installing a larger shaft is not feasible given the structural limitations of the building. The second area is a portion of the first floor (where guest rooms are located) which is elevated from the lobby by four risers, but the hall isn't large enough to install a lift or ramp. The basis for the waiver is unreasonable hardship, in that provision of vertical accessibility is technically infeasible. However, the Council recommends granting the waiver on condition that the hotel establishes a policy of giving notice to the public that the hotel does not meet all accessibility criteria, including provision of the elevator dimensions and access limitations. The Commission approved the waiver as recommended.
8. **Jupiter High School**, 500 North Military Trail, Jupiter. The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating in a proposed new bleacher. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels of the bleacher. The Commission approved the waiver as recommended.
9. **Royal Palm Beach High School**, 10600 Okeechobee Blvd., Royal Palm Beach. The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating in a proposed new bleacher. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels of the bleacher. The Commission approved the waiver as recommended.
10. **La Prima Casa Montessori**, 2733 SW 3rd Ave. and 281 SW 28 Rd., Miami. The Council unanimously recommended granting a waiver from provision of vertical accessibility to the second floors of two existing school buildings that are undergoing renovations. The basis for the waiver is disproportionate cost. The Commission approved the waiver as recommended.
11. **Orange County Magic Recreation Center - South Econ Site**. The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating in a proposed new collapsible bleacher system. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels of the bleacher. The Commission approved the waiver as recommended.

The next four waiver applications are identical to the previous one.

12. **Orange County Magic Recreation Center – Golden Rod Site.** The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating in a proposed new collapsible bleacher system. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels of the bleacher. The Commission approved the waiver as recommended.
13. **Orange County Magic Recreation Center – Dr. Phillips Site.** The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating in a proposed new collapsible bleacher system. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels of the bleacher. The Commission approved the waiver as recommended.
14. **Orange County Magic Recreation Center – Meadow Woods Site.** The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating in a proposed new collapsible bleacher system. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels of the bleacher. The Commission approved the waiver as recommended.
15. **Orange County Magic Recreation Center – Silver Star Site.** The Council unanimously recommended granting a waiver from provision of vertical accessibility to all rows of seating in a proposed new collapsible bleacher system. The basis for the waiver is unnecessary hardship, in that it is technically unfeasible to provide access to all levels of the bleacher. The Commission approved the waiver as recommended.

ATTACHMENT 6
PRODUCT AND ENTITY APPROVAL REPORT

	Manufacturer	Category	Subcategory	TBA	POC	FBC	Comments	Stat.
Certification Method - FBC Voted Approval								
57-R3	Simonton Windows	Windows	Awning	a	a	a	Recommend Approval	Revision
107-R3	Simonton Windows	Windows	Casement	a	a	a	Recommend Approval	Revision
132-R3	Shwinco Industries Inc.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
224-R3	Simonton Windows	Windows	Casement	a	a	a	Recommend Approval	Revision
320-R3	Armor Screen Corp.	Shutters	Fabric Storm Panel	a	a	a	Recommend Approval	Revision
330-R5	PGT Industries	Windows	Casement	a	a	a	Recommend Approval	Revision
476-R2	Shwinco Industries Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
601-R3	MonierLifetile	Roofing	Roofing Tiles	a	a	a	Recommend Approval	Revision
1085-R3	Andersen Corporation	Windows	Awning	a	a	a	Recommend Approval	Revision
1086-R4	Andersen Corporation	Windows	Casement	a	a	a	Recommend Approval	Revision
1091-R4	Andersen Corporation	Windows	Double Hung	a	a	a	Recommend Approval	Editorial Change
1092-R3	Andersen Corporation	Windows	Fixed	a	a	a	Recommend Approval	Revision
1149-R2	Andersen Corporation	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
1150-R3	Andersen Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision

1155-R2	Andersen Corporation	Windows	Double Hung	a	a	a	Recommend Approval	Revision
1156-R3	Andersen Corporation	Windows	Fixed	a	a	a	Recommend Approval	Revision
1435-R4	PGT Industries	Windows	Single Hung	a	a	a	Recommend Approval	Revision
2224-R3	Variform, Inc	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
2324-R2	The Garland Company, Inc.	Roofing	Built up Roofing	a	a	a	Recommend Approval	Revision
2418-R2	Maxim Industries, Inc.	Sky Lights	Skylight	a	a	a	Recommend Approval	Revision
2693-R1	Moss Supply Company	Windows	Double Hung	a	a	a	Recommend Approval	Revision
					a	a		
3077-R2	Super Sky Products, Inc.	Sky Lights	Skylight	a	a	a	Recommend Approval	Revision
3294-R3	Quality Engineered Products	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
3411-R2	The Garland Company, Inc.	Structural Components	Roof Deck	a	a	a	Recommend Approval	Revision
3506-R2	Hanson Roof Tile	Roofing	Roofing Tiles	a	a	a	Recommend Approval	Revision
3951-R2	Quality Engineered Products	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
3723-R2	The Garland Company, Inc.	Structural Components	Roof Deck	a	a	a	Recommend Approval	Revision
3848-R2	Bell-View, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
4065-R5	Silverline Building Products Corp.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
4147-R3	Flesher Windows, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision

4161-R3	Flesher Windows, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
4781-R3	Marvin Windows and Doors	Windows	Fixed	a	a	a	Recommend Approval	
4882-R1	Shwinco Industries Inc.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
4891-R3	Nucor Building Systems	Structural Components	Roof Deck	a	a	a	Recommend Approval	Editorial Change
4901-R1	Kirby Building Systems	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
5012-R3	PGT Industries	Windows	Fixed	a	a	a	Recommend Approval	Revision
5198-R1	Simonton Windows	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5265-R2	Therma-Tru Corporation	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5291-R1	Birdview Skylights	Sky Lights	Skylight	a	a	a	Recommend Approval	Revision
5300-R3	PHILIPS PRODUCTS INC.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
5419-R4	Simonton Windows	Windows	Double Hung	a	a	a	Recommend Approval	Revision
5501-R1	Bell-View, Inc.	Windows	Double Hung	a	a	a	Recommend Approval	Revision
5538-R1	Alcoa Home Exteriors, Inc.	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
5559-R1	Clay Forever, LLC	Roofing	Roofing Tiles	a	a	a	Recommend Approval	Revision
5733-R1	Clearly-Protected LLC	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision

6206-R1	Kawneer Company, Inc.	Windows	Projected	a	a	a	Recommend Approval	Revision
6213-R1	Metal Tech, Inc.	Shutters	Accordion	a	a	a	Recommend Approval	Revision
6306-R1	Dean Steel Buildings, Inc	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
6252-R2	superior metal systems, inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
6412-R2	Folding Shutter Corporation	Shutters	Bahama	a	a	a	Recommend Approval	Revision
6414-R2	Folding Shutter Corporation	Shutters	Colonial	a	a	a	Recommend Approval	Revision
6362-R3	Alside Window Company	Windows	Mullions	a	a	a	Recommend Approval	Revision
6416-R1	Transparent Protection Systems, Inc.	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
6475-R1	CPI Daylighting Inc.	Sky Lights	Skylight	a	a	a	Recommend Approval	Revision
6649-R1	Lawson Industries	Windows	Single Hung	a	a	a	Recommend Approval	Revision
6683-R3	Lincoln Wood Products, Inc. / Timeline Vinyl Products, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
6778-R1	THERMOPLAST	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
7156-R1	Andersen Corporation	Windows	Fixed	a	a	a	Recommend Approval	Revision
7250-R1	Lawson Industries	Windows	Fixed	a	a	a	Recommend Approval	Revision
7359-R2	Kawneer Company, Inc.	Panel Walls	Storefronts	a	a	a	Recommend Approval	Revision

7428-R1	Pacific Woodtech Corporation	Structural Components	Engineered Lumber	a	a	a	Recommend Approval	Revision
7575-R1	Storm Depot Of America, Inc. dba Storm-Busters	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
7615-R1	Gilkey Window Company, Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
7620-R1	Gilkey Window Company, Inc.	Windows	Casement	a	a	a	Recommend Approval	Revision
7653-R1	Silverline Building Products Corp.	Windows	Fixed	a	a	a	Recommend Approval	Revision
7684-R1	Twin Windows Corporation	Windows	Single Hung	a	a	a	Recommend Approval	Revision
7817-R1	Lawson Industries	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
7833-R2	Vi Win Tech	Windows	Casement	a	a	a	Recommend Approval	Revision
7882-R2	Vi Win Tech	Windows	Fixed	a	a	a	Recommend Approval	Revision
7885-R2	Vi Win Tech	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
7915-R1	THERMOPLAST	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
7921-R1	THERMOPLAST	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8153-R1	Shwinco Industries Inc.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
8206-R2	Vi Win Tech	Windows	Double Hung	a	a	a	Recommend Approval	Revision
8216-R2	Miami Tech, Inc.	Structural Components	Pre-engineered AC Stands	a	a	a	Recommend Approval	Revision

8224-R2	Gilkey Window Company, Inc.	Windows	Double Hung	a	a	a	Recommend Approval	Revision
8256-R1	Shwinco Industries Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
8337-R1	Lawson Industries	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
8500-R3	Simonton Windows	Windows	Fixed	a	a	a	Recommend Approval	Editorial Change
8649-R1	Morgan Windows & Glass, Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
8780-R1	Vi Win Tech	Windows	Casement	a	a	a	Recommend Approval	Revision
8781-R2	Wayne-Dalton Corp.	Shutters	Roll-up	a	a	a	Recommend Approval	Revision
8784-R1	Vi Win Tech	Windows	Fixed	a	a	a	Recommend Approval	Revision
8869-R1	Gilkey Window Company, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8902-R1	Stock Building Supply	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8964-R1	Vi Win Tech	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
9065-R2	CGI - Construction Glass Industries	Windows	Casement	a	a	a	Recommend Approval	Revision
9066-R2	CGI - Construction Glass Industries	Windows	Projected	a	a	a	Recommend Approval	Revision
9112-R2	Siplast / Icopal	Roofing	Waterproofing	a	a	a	Recommend Approval	Revision
9317-R1	Shwinco Industries Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9324-R1	Shwinco Industries Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9353-R1	Alenco	Windows	Single Hung	a	a	a	Recommend Approval	Revision
9358-R1	Alenco	Windows	Fixed	a	a	a	Recommend Approval	Revision

9455-R1	Moss Supply Company	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9456-R1	Moss Supply Company	Windows	Fixed	a	a	a	Recommend Approval	Revision
9457-R1	Moss Supply Company	Windows	Single Hung	a	a	a	Recommend Approval	Revision
9521-R1	Entreprises Doco	Windows	Double Hung	a	a	a	Recommend Approval	Revision
9524-R1	Entreprises Doco	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
9525-R1	Entreprises Doco	Windows	Single Hung	a	a	a	Recommend Approval	Revision
9526-R1	Entreprises Doco	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
9527-R1	Entreprises Doco	Windows	Casement	a	a	a	Recommend Approval	Revision
9528-R1	Entreprises Doco	Windows	Awning	a	a	a	Recommend Approval	Revision
9529-R1	Entreprises Doco	Windows	Fixed	a	a	a	Recommend Approval	Revision
9531-R1	Entreprises Doco	Windows	Fixed	a	a	a	Recommend Approval	Revision
9532-R1	Entreprises Doco	Windows	Fixed	a	a	a	Recommend Approval	Revision
9562-R1	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9583-R1	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9595-R1	Stock Building Supply	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9616-R1	Flesher Windows, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
9624-R1	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9626-R1	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9633-R1	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision

9668-R1	Simpson Door Company	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9674-R1	Shwinco Industries Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
9679-R1	Shwinco Industries Inc.	Windows	Casement	a	a	a	Recommend Approval	Revision
9680-R1	Shwinco Industries Inc.	Windows	Awning	a	a	a	Recommend Approval	Revision
9885-R3	PHILIPS PRODUCTS INC.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
9987-R1	Alenco	Windows	Single Hung	a	a	a	Recommend Approval	Revision
10159-R1	THERMOPLAST	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10165-R1	Petz Windows and Doors, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10173-R1	Petz Windows and Doors, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10174-R1	Petz Windows and Doors, Inc.	Windows	Casement	a	a	a	Recommend Approval	Revision
10175-R1	Petz Windows and Doors, Inc.	Windows	Double Hung	a	a	a	Recommend Approval	Revision
10176-R1	Petz Windows and Doors, Inc.	Windows	Mullions	a	a	a	Recommend Approval	Revision
10208-R1	Window Craftsmen Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10230-R1	Wincore Window Company, LLC	Windows	Double Hung	a	a	a	Recommend Approval	Revision
10288-R2	PGT Industries	Windows	Double Hung	a	a	a	Recommend Approval	Revision

10289-R2	PGT Industries	Windows	Fixed	a	a	a	Recommend Approval	Revision
10297-R4	JELD-WEN	Windows	Fixed	a	a	a	Recommend Approval	Revision
10321-R2	Marvin Windows and Doors	Windows	Casement	a	a	a	Recommend Approval	Revision
10323-R2	Marvin Windows and Doors	Windows	Awning	a	a	a	Recommend Approval	Revision
10325-R2	Marvin Windows and Doors	Windows	Fixed	a	a	a	Recommend Approval	Revision
10419-R2	BiltBest Windows and Patio Doors	Windows	Double Hung	a	a	a	Recommend Approval	Revision
10507-R1	PGT Industries	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
10812-R2	Marvin Windows and Doors	Windows	Fixed	a	a	a	Recommend Approval	Revision
10896	Arch Aluminum and Glass Co., Inc.	Panel Walls	Storefronts	a	a	a	Recommend Approval	New
					a	a		
11020	Elite Aluminum Corporation	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11089	Flesher Windows, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval - Deferred from Dec 2008 meeting. Complied with conditions of: Installation instructions shall include only configurations certified; Provide test reports to verify glazing as tested.	Deferred
11252	Hurd Windows and Doors, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11260-R1	Solar Innovations, Inc.	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	Revision

11366-R1	Pella Corporation	Windows	Double Hung	a	a	a	Recommend Approval	Revision
11406	Metals USA Building Products	Shutters	Storm Panels	a	a	a	Recommend Approval	New
11415-R1	JELD-WEN	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
11457	Bell-View, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11525	Suncoast Designers, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
11533	Simonton Windows	Windows	Fixed	a	a	a	Recommend Approval	New
11576-R1	BiltBest Windows and Patio Doors	Windows	Double Hung	a	a	a	Recommend Approval	Revision
11577-R1	BiltBest Windows and Patio Doors	Windows	Fixed	a	a	a	Recommend Approval	Revision
11585	Hurd Windows and Doors, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	New
11587	Hurd Windows and Doors, Inc.	Windows	Double Hung	a	a	a	Recommend Approval	New
11591	Hurd Windows and Doors, Inc.	Windows	Awning	a	a	a	Recommend Approval	New
11594	Hurd Windows and Doors, Inc.	Windows	Casement	a	a	a	Recommend Approval	New
11600	Hurd Windows and Doors, Inc.	Windows	Casement	a	a	a	Recommend Approval	New
11601	Hurd Windows and Doors, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11614	Reliable Products	Panel Walls	Wall Louver	a	a	a	Recommend Approval	New
11637	Ruskin Company	Panel Walls	Wall Louver	a	a	a	Recommend Approval	New

11655	Hurd Windows and Doors, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
11721	Ruskin Company	Panel Walls	Wall Louver	a	a	a	Recommend Approval	New
11733	Marvin Windows and Doors	Windows	Mullions	a	a	a	Recommend Approval	New
11737	CETCO	Roofing	Underlayments	a	a	a	Recommend Approval	New
11745	Southern Metals Products,LLC	Shutters	Storm Panels	a	a	a	Recommend Approval	New
11796	Nystrom Inc.	Panel Walls	Wall Louver	a	a	a	Recommend Approval	New
11812	JELD-WEN	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11827-R1	MI Windows and Doors	Windows	Single Hung	a	a	a	Recommend Approval	Revision
11835	Metcoe Skylight Specialties, Inc.	Sky Lights	Skylight	a	a	a	Recommend Approval	New
11857	JELD-WEN	Windows	Mullions	a	a	a	Recommend Approval	New
11863	Peachtree Doors and Windows	Windows	Double Hung	a	a	a	Recommend Approval	New
11865	Pella Corporation	Windows	Casement	a	a	a	Recommend Approval	New
11866	SNE Enterprises	Windows	Double Hung	a	a	a	Recommend Approval	New
11869	JELD-WEN	Windows	Fixed	a	a	a	Recommend Approval	New
11877	Pella Corporation	Windows	Fixed	a	a	a	Recommend Approval	New
11878	Weather Shield Mfg., Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
11880	Peachtree Doors and Windows	Windows	Fixed	a	a	a	Recommend Approval	New
11883	Pella Corporation	Windows	Awning	a	a	a	Recommend Approval	New
11941	M W Manufacturers Inc.	Windows	Casement	a	a	a	Recommend Approval	New

11942	M W Manufacturers Inc.	Windows	Single Hung	a	a	a	Recommend Approval	New
11945	M W Manufacturers Inc.	Windows	Single Hung	a	a	a	Recommend Approval	New
11985	Industrial Door Company	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11966	Eastern Metal Supply	Shutters	Accordion	a	a	a	Recommend Approval	New
12000	Vistawall Group	Panel Walls	Storefronts	a	a	a	Recommend Approval	New
12001	Vistawall Group	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
12003	Vistawall Group	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
12007	Vistawall Group	Panel Walls	Storefronts	a	a	a	Recommend Approval	New
12009	Vent Covers, Inc.	Shutters	Storm Panels	a	a	a	Recommend Approval	New
12010	Windoor Incorporated	Windows	Mullions	a	a	a	Recommend Approval	New
12016	Simonton Windows	Windows	Casement	a	a	a	Recommend Approval	New
12036	LAS Enterprises	Windows	Double Hung	a	a	a	Recommend Approval	New
12038	LAS Enterprises	Windows	Fixed	a	a	a	Recommend Approval	New
12039	LAS Enterprises	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
12041	Hurd Windows and Doors, Inc.	Windows	Awning	a	a	a	Recommend Approval	New
12043	Hurd Windows and Doors, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
12044	Hurd Windows and Doors, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
					a	a		
12054	Traco Windows and Doors, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New

12055	Builders First Source	Windows	Fixed	a	a	a	Recommend Approval	New
12070	LAS Enterprises	Windows	Single Hung	a	a	a	Recommend Approval	New
12072	Kolbe and Kolbe Millwork	Windows	Fixed	a	a	a	Recommend Approval	New
12089	Traco Windows and Doors, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
12093	Traco Windows and Doors, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12098	Nichiha USA, Inc.	Panel Walls	Siding	a	a	a	Recommend Approval	New
12110	PHILIPS PRODUCTS INC.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
12114	Drexel Metals, LLC.	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
12123	Vistawall Group	Windows	Fixed	a	a	a	Recommend Approval	New
12144	The Garland Company, Inc.	Roofing	Modified Bitumen Roof System	a	a	a	Recommend Approval	New
12146	Atlantic Vinyl Windows and Doors, inc.	Windows	Double Hung	a	a	a	Recommend Approval	New
12147	Atlantic Vinyl Windows and Doors, inc.	Windows	Casement	a	a	a	Recommend Approval	New
12149	Atlantic Vinyl Windows and Doors, inc.	Windows	Fixed	a	a	a	Recommend Approval	New
12150	Atlantic Vinyl Windows and Doors, inc.	Windows	Single Hung	a	a	a	Recommend Approval	New

12153	Four Seasons Solar Products LLC	Windows	Fixed	a	a	a	Recommend Approval	New
12155	Four Seasons Solar Products LLC	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12156	ProVia Door, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12158	ProVia Door, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
12170	Vistawall Group	Windows	Fixed	a	a	a	Recommend Approval	New
12179	Hartman Windows and Doors LLC.	Windows	Casement	a	a	a	Recommend Approval	New
12182	Hartman Windows and Doors LLC.	Windows	Casement	a	a	a	Recommend Approval	New
12183	MI Windows and Doors	Windows	Single Hung	a	a	a	Recommend Approval	New
12187	Hartman Windows and Doors LLC.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12189	Hartman Windows and Doors LLC.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12195	Hollow Metal, Inc	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12198	KAYCAN LTD	Panel Walls	Soffits	a	a	a	Recommend Approval	New
12200	KP Building Products Inc	Panel Walls	Soffits	a	a	a	Recommend Approval	New
12208	Commercial Innovations, INC.	Roofing	Cements-Adhesives-Coatings	a	a	a	Recommend Approval	New
12210	Kool Star	Structural Components	Exterior Coolers-Freezers	a	a	a	Recommend Approval	New
12220	Commercial Innovations, INC.	Roofing	Modified Bitumen Roof System	a	a	a	Recommend Approval	New

12221	Owens Corning	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	New
12232	Ruskin Company	Panel Walls	Wall Louver	a	a	a	Recommend Approval	New
12234	MI Windows and Doors	Windows	Double Hung	a	a	a	Recommend Approval	New
12235	MI Windows and Doors	Windows	Casement	a	a	a	Recommend Approval	New
12237	MI Windows and Doors	Windows	Double Hung	a	a	a	Recommend Approval	New
12241	Kaidisen Roofing Systems	Roofing	Roofing Tiles	a	a	a	Recommend Approval	New
12242	Marvin Windows and Doors	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12247	PGT Industries	Windows	Projected	a	a	a	Recommend Approval	New
12250	MI Windows and Doors	Windows	Single Hung	a	a	a	Recommend Approval	New
12251	MI Windows and Doors	Windows	Fixed	a	a	a	Recommend Approval	New
12264	JELD-WEN	Windows	Awning	a	a	a	Recommend Approval	New
12269	JELD-WEN	Windows	Single Hung	a	a	a	Recommend Approval	New
12271	La Cantina Doors, Inc.	Exterior Doors	Exterior Door Assembly Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
12274	General Aluminum Company	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New

12278	Solar Innovations, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12279	Solar Innovations, Inc.	Exterior Doors	Exterior Door Assembly Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
12280	Solar Innovations, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12284	Flesher Windows, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
12291	Four Seasons Solar Products LLC	Windows	Fixed	a	a	a	Recommend Approval	New
12301	General Aluminum Company	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12307	JELD-WEN	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12313	JELD-WEN	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
Evaluation by Engineer/ Architect -FBC Voted Approval								
697-R2	Amarr Garage Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
722-R2	Metal Tech, Inc.	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
984-R2	Firestone Building Products Company, LLC.	Roofing	Modified Bitumen Roof System	a	a	a	Recommend Approval	Revision

1064-R4	GenFlex Roofing Systems, LLC	Roofing	Single Ply Roof Systems	a	a	a	Recommend Approval	Revision
1470-R2	Castle Entries / Monterrey Doors	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
2291-R5	Metals USA Building Products	Roofing	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	Revision
2330-R2	The Garland Company, Inc.	Roofing	Cements-Adhesives-Coatings	a	a	a	Recommend Approval	Revision
2355-R3	Simpson Strong-Tie Co.	Structural Components	Anchors	a	a	a	Recommend Approval	Revision
2681-R2	American Shutter Systems Association, Inc.	Shutters	Colonial	a	a	a	Recommend Approval	Revision
2683-R2	American Shutter Systems Association, Inc.	Shutters	Bahama	a	a	a	Recommend Approval	Revision
2773-R2	KD Manufacturing	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
3203-R2	RM Enterprises, Inc.	Structural Components	Pre-engineered AC Stands	a	a	a	Recommend Approval	Revision
3222-R1	Superior Window Corp.	Windows	Mullions	a	a	a	Recommend Approval	Revision
3342-R2	Ocean Shutters Manufacturing, Inc.	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
3600-R2	United States Aluminum Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
3612-R2	United States Aluminum Corp.	Panel Walls	Storefronts	a	a	a	Recommend Approval	Revision

3671-R2	The Garland Company, Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
4065-R5	Silverline Building Products Corp.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
4272-R2	Columbia Aluminum Products, LLC	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
4615-R1	Lakeside Salvage / Lakeside Building Materials, Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
4837-R1	Kirby Building Systems	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
4838-R1	Kirby Building Systems	Structural Components	Roof Deck	a	a	a	Recommend Approval	Revision
5212-R2	Mitten Inc.	Panel Walls	Soffits	a	a	a	Recommend Approval	Revision
5259-R5	POLYGLASS USA	Roofing	Underlayments	a	a	a	Recommend Approval	Revision
5326-R1	Bell-View, Inc.	Windows	Single Hung	a	a	a	Recommend Approval	Revision
5436-R2	Besam AES	Exterior Doors	Automatic Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5480-R1	Atlantic Shutter Systems	Shutters	Bahama	a	a	a	Recommend Approval	Revision
5482-R1	Windoor Incorporated	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5576-R1	Bell-View, Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
5600-R1	Silverline Building Products Corp.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5684-R3	Clopay Building Products Company	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	Editorial Change
5826	CROCI NORTH AMERICA	Shutters	Accordion	a	a	a	Recommend Approval	Revision

5827-R1	AUBURN TILE INC	Roofing	Roofing Tiles	a	a	a	Recommend Approval	Revision
5919-R1	Bell-View, Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
6067-R3	Silverline Building Products Corp.	Windows	Mullions	a	a	a	Recommend Approval	
6102-R5	Silverline Building Products Corp.	Windows	Fixed	a	a	a	Recommend Approval	Revision
6109-R1	Silverline Building Products Corp.	Windows	Fixed	a	a	a	Recommend Approval	Revision
6136-R3	Silverline Building Products Corp.	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
6250-R1	Morton Buildings, Inc	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
6798-R1	Wayne-Dalton Corp.	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
6817-R1	Castle Entries / Monterrey Doors	Windows	Casement	a	a	a	Recommend Approval	Revision
7013-R1	Custom Window Systems, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	Revision
7215-R1	RM Enterprises, Inc.	Structural Components	Pre-engineered AC Stands	a	a	a	Recommend Approval	Revision
7249-R1	Tampa Roofing Company Inc	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
7343-R2	NBI Corporation	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
7344-R2	Metals USA Building Products	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
7393-R2	Raynor Garage Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	Revision

7484-R1	BAKER METAL WORKS & SUPPLY, INC.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
7599-R2	Silverline Building Products Corp.	Windows	Double Hung	a	a	a	Recommend Approval	Revision
7750-R1	Metal Tech, Inc.	Shutters	Bahama	a	a	a	Recommend Approval	Revision
7843-R1	Flash Custom Metal Roofing	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
7989-R3	ASI Building Products	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
8063-R2	Silverline Building Products Corp.	Windows	Fixed	a	a	a	Recommend Approval	Revision
8079-R1	Castle Entries / Monterrey Doors	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8125-R3	Alside Window Company	Windows	Double Hung	a	a	a	Recommend Approval	Revision
8356-R1	EFCO Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8390-R2	Builders Hardware Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8405-R1	Wayne-Dalton Corp.	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8450-R3	Megamet Industries, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
8478-R1	Silverline Building Products Corp.	Windows	Mullions	a	a	a	Recommend Approval	Revision
8637-R1	StormWatch	Shutters	Fabric Storm Panel	a	a	a	Recommend Approval	Revision
8650-R1	Folding Shutter Corporation	Shutters	Roll-up	a	a	a	Recommend Approval	Revision

8871-R2	Therma-Tru Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9068-R1	Castle Entries / Monterrey Doors	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9159-R1	MasterCraft Engineering	Structural Components	Wood Connectors	a	a	a	Recommend Approval	Revision
9174-R3	Wayne-Dalton Corp.	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
9326-R1	Vi Win Tech	Windows	Mullions	a	a	a	Recommend Approval	Revision
9349-R1	Hurricane Safe Products	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
9364-R1	Porcelanosa USA	Panel Walls	Siding	a	a	a	Recommend Approval	Revision
					a	a		
9450-R1	IVIV Group USA Corp	Windows	Single Hung	a	a	a	Recommend Approval	Revision
9575-R1	Entreprises Doco	Windows	Mullions	a	a	a	Recommend Approval	Revision
9576-R1	Entreprises Doco	Windows	Mullions	a	a	a	Recommend Approval	Revision
9604-R1	MGM Industries	Windows	Double Hung	a	a	a	Recommend Approval	Revision
9607-R1	MGM Industries	Windows	Single Hung	a	a	a	Recommend Approval	Revision
9611-R1	Vi Win Tech	Windows	Casement	a	a	a	Recommend Approval	Revision
9641-R1	VEKA Inc.	Windows	Fixed	a	a	a	Recommend Approval	Revision
9643-R1	VEKA Inc.	Windows	Dual Action	a	a	a	Recommend Approval	Revision
9646-R1	IVIV Group USA Corp	Windows	Fixed	a	a	a	Recommend Approval	Revision
9654-R1	Vi Win Tech	Windows	Mullions	a	a	a	Recommend Approval	Revision
9757-R1	JHRG LLC	Shutters	Storm Panels	a	a	a	Recommend Approval - Deferred from Dec 2008 meeting. Complied with conditions of: Remove note #4 on drawings related to glass separation. Provide test report for zipper running perpendicular to load.	Deferred

9781-R3	Berridge Manufacturing Co.	Structural Components	Structural Wall	a	a	a	Recommend Approval	Revision
9948-R1	Reilly WoodWorks	Windows	Dual Action	a	a	a	Recommend Approval	Revision
9949-R1	Reilly WoodWorks	Windows	Casement	a	a	a	Recommend Approval	Revision
9950-R1	Reilly WoodWorks	Windows	Fixed	a	a	a	Recommend Approval	Revision
9953-R1	VEKA Inc.	Windows	Mullions	a	a	a	Recommend Approval	Revision
9986-R1	Vi Win Tech	Windows	Mullions	a	a	a	Recommend Approval	Revision
10006-R1	Hope's Windows, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10013-R1	Metals USA Building Products	Roofing	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	Revision
10094-R2	BAKER METAL WORKS & SUPPLY, INC.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
10098-R1	Wincore Window Company, LLC	Windows	Mullions	a	a	a	Recommend Approval	Revision
10131-R2	West Tampa Glass Company	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	Revision
10143-R1	superior metal systems, inc.	Structural Components	Roof Deck	a	a	a	Recommend Approval	Revision
10144-R1	National Guard Products	Exterior Doors	Exterior Door Components	a	a	a	Recommend Approval	Revision
10151-R1	Alenco	Windows	Mullions	a	a	a	Recommend Approval	Revision
10284-R2	Firestone Building Products Company, LLC.	Roofing	Single Ply Roof Systems	a	a	a	Recommend Approval	Revision

10358-R2	West Tampa Glass Company	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	Revision
10430-R1	Alenco	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10517-R2	Florida Powder Coating and Shutters Inc	Shutters	Bahama	a	a	a	Recommend Approval	Editorial Change
10530-R2	Florida Powder Coating and Shutters Inc	Shutters	Colonial	a	a	a	Recommend Approval	Editorial Change
10548-R1	Builders Hardware Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10549-R1	Builders Hardware Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
10601-R2	Firestone Metal Products, LLC.	Roofing	Metal Roofing	a	a	a	Recommend Approval	Revision
10728-R1	C.H.I. Overhead Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
11111-R1	Silverline Building Products Corp.	Windows	Awning	a	a	a	Recommend Approval	Revision
11133	Sterling Metal Products Inc.	Shutters	Storm Panels	a	a	a	Recommend Approval	New
11176	Variform, Inc	Panel Walls	Soffits	a	a	a	Recommend Approval	New
11183	Variform, Inc	Panel Walls	Soffits	a	a	a	Recommend Approval	New
11184	Variform, Inc	Panel Walls	Soffits	a	a	a	Recommend Approval	New
11191	Alcoa Home Exteriors, Inc.	Panel Walls	Soffits	a	a	a	Recommend Approval	New
11351-R1	Englert Inc.	Roofing	Underlayments	a	a	a	Recommend Approval	Revision

11363	C.H.I. Overhead Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11364	C.H.I. Overhead Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11365	C.H.I. Overhead Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
11370	YKK AP America	Windows	Mullions	a	a	a	Recommend Approval	New
11407	Metals USA Building Products	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11414-R1	McPhillips Manufacturing Company	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Editorial Change
11424	Behlen Mfg. Co.	Structural Components	Roof Deck	a	a	a	Recommend Approval	New
11446	Stanek Vinyl Windows	Windows	Double Hung	a	a	a	Recommend Approval	New
11447	Stanek Vinyl Windows	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
11450	Stanek Vinyl Windows	Windows	Casement	a	a	a	Recommend Approval	New
11468	Simpson Strong-Tie Co.	Structural Components	Wood Connectors	a	a	a	Recommend Approval	New
11470	Simpson Strong-Tie Co.	Structural Components	Wood Connectors	a	a	a	Recommend Approval	New
11473	Simpson Strong-Tie Co.	Structural Components	Wood Connectors	a	a	a	Recommend Approval	New
11634	EFCO Corporation	Panel Walls	Storefronts	a	a	a	Recommend Approval	New
11716-R1	Associated Materials Inc.	Windows	Double Hung	a	a	a	Recommend Approval	Revision

11718-R1	Gentek Building Products	Windows	Double Hung	a	a	a	Recommend Approval	Revision
11719-R1	Revere Building Products	Windows	Double Hung	a	a	a	Recommend Approval	Revision
11911	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11914	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11916	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11920	Pella Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
11933	M W Manufacturers Inc.	Windows	Casement	a	a	a	Recommend Approval	New
11941	M W Manufacturers Inc.	Windows	Casement	a	a	a	Recommend Approval	New
11950-R1	MI Windows and Doors	Windows	Mullions	a	a	a	Recommend Approval	Revision
11952	Great Lakes Window, Inc.	Windows	Casement	a	a	a	Recommend Approval	New
11965	Eastern Metal Supply	Shutters	Storm Panels	a	a	a	Recommend Approval	New
11988	Town and Country Industries,	Shutters	Roll-up	a	a	a	Recommend Approval	New
11989	Town and Country Industries,	Shutters	Roll-up	a	a	a	Recommend Approval	New
12010	Windoor Incorporated	Windows	Mullions	a	a	a	Recommend Approval	New

12011-R1	Folding Shutter Corporation	Shutters	Storm Panels	a	a	a	Recommend Approval	Revision
12030	EFCO Corporation	Panel Walls	Storefronts	a	a	a	Recommend Approval	New
12045	Lott's Concrete Products	Structural Components	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
12046	Mesker Door, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
12048	M W Manufacturers Inc.	Windows	Awning	a	a	a	Recommend Approval	New
12050	Great Lakes Window, Inc.	Windows	Awning	a	a	a	Recommend Approval	New
12059	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12060	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12061	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12065	C.H.I. Overhead Doors	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
12067	Atlantic Metal Extrusions, LLC	Shutters	Roll-up	a	a	a	Recommend Approval	New
12068	Silverline Building Products Corp.	Windows	Single Hung	a	a	a	Recommend Approval	New
12073	METECNO-MORIN	Roofing	Metal Roofing	a	a	a	Recommend Approval	New

12076	Metal Sales Manufacturing Corporation	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
12077	Silverline Building Products Corp.	Windows	Fixed	a	a	a	Recommend Approval	New
12078	Associated Materials Inc.	Windows	Mullions	a	a	a	Recommend Approval	New
12079	Gentek Building Products	Windows	Mullions	a	a	a	Recommend Approval	New
12080	Revere Building Products	Windows	Mullions	a	a	a	Recommend Approval	New
12084	Berridge Manufacturing Co.	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
12085	Somay Products, Inc.	Roofing	Cements-Adhesives-Coatings	a	a	a	Recommend Approval	New
12090	Owens Corning	Exterior Doors	Exterior Door Assembly Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
12091	Owens Corning	Windows	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
12094	Firestone Metal Products, LLC.	Panel Walls	Siding	a	a	a	Recommend Approval	New
12095	Metal Roofing Center, Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
12096	Metal Roofing Center, Inc.	Structural Components	Roof Deck	a	a	a	Recommend Approval	New

12099	Wayne-Dalton Corp.	Exterior Doors	Sectional Exterior Door Assemblies	a	a	a	Recommend Approval	New
12103	Alside	Panel Walls	Siding	a	a	a	Recommend Approval	New
12104	Flash Custom Metal Roofing	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
12108	Plastpro Inc. / Nanya Plastics Corp.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12111	Overhead Door Corporation	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	Recommend Approval	New
12117	Simonton Windows	Windows	Mullions	a	a	a	Recommend Approval	New
12119	Simonton Windows	Windows	Mullions	a	a	a	Recommend Approval	New
12124	Vistawall Group	Windows	Fixed	a	a	a	Recommend Approval	New
12125	Vistawall Group	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12127	Vistawall Group	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
12128	Vistawall Group	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
12129	Vistawall Group	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
12130	Vistawall Group	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	New
12132	Vistawall Group	Panel Walls	Storefronts	a	a	a	Recommend Approval	New
12141	Alcoa Home Exteriors, Inc.	Panel Walls	Siding	a	a	a	Recommend Approval	New
12143	Alside	Panel Walls	Soffits	a	a	a	Recommend Approval	New
12145	Rosenlew RKW Finland LTD	Roofing	Underlayments	a	a	a	Recommend Approval	New
12152	DBCI	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	Recommend Approval	New
12154	Stanek Vinyl Windows	Windows	Single Hung	a	a	a	Recommend Approval	New

12161	Metal Manufacturing Industries	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12166	Metal Manufacturing Industries	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12167	DBCI	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	Recommend Approval	New
12169	Metal Manufacturing Industries	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12172	D7 Building Products, Inc.	Roofing	Cements-Adhesives-Coatings	a	a	a	Recommend Approval	New
12184	Metal Manufacturing Industries	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12186	Metal Manufacturing Industries	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12193	Marion Masonry Materials, Inc.	Structural Components	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
12194	Aluminum Coils, Inc.	Panel Walls	Soffits	a	a	a	Recommend Approval	New
12202	The Garland Company, Inc.	Roofing	Modified Bitumen Roof System	a	a	a	Recommend Approval	New
12203	Vulcan Materials Company	Structural Components	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
12204	YKK AP America	Windows	Mullions	a	a	a	Recommend Approval	New
12211	Megamet Industries, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12212	Megamet Industries, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New

12213	Megamet Industries, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12218	YKK AP America	Windows	Mullions	a	a	a	Recommend Approval	New
12222	Brian C. Bishop and Associates	Panel Walls	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
12224	Therma-Tru Corporation	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	New
12225	Elite Aluminum Corporation	Structural Components	Structural Wall	a	a	a	Recommend Approval	New
12227	CROCI NORTH AMERICA	Shutters	Bahama	a	a	a	Recommend Approval	New
12228	METECNO-MORIN	Structural Components	Structural Wall	a	a	a	Recommend Approval	New
12233	CROCI NORTH AMERICA	Shutters	Colonial	a	a	a	Recommend Approval	New
12236	Style Crest Inc.	Panel Walls	Soffits	a	a	a	Recommend Approval	New
12239	Elite Aluminum Corporation	Panel Walls	Storefronts	a	a	a	Recommend Approval	New
12243	Great Lakes Window, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12244	Great Lakes Window, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12248	Custom Window Systems, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
12253	Metallic Products	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	New

12256	Metallic Products	Panel Walls	Wall Louver	a	a	a	Recommend Approval	New
12258	Custom Window Systems, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12259	Custom Window Systems, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
12260	Custom Window Systems, Inc.	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
12261	Architectural Building Components	Structural Components	Roof Deck	a	a	a	Recommend Approval	New
12263	Custom Window Systems, Inc.	Windows	Fixed	a	a	a	Recommend Approval	New
12265	Advanced Green Technologies	Structural Components	Pre-engineered AC Stands	a	a	a	Recommend Approval	New
12268	Kingspan ASI	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
12273	VEKA Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12275	Paradigm Window Solutions	Windows	Mullions	a	a	a	Recommend Approval	New
12276	Reilly WoodWorks	Windows	Double Hung	a	a	a	Recommend Approval	New
12281	The Hurricane Window and Door Factory	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
12289	Gulf Coast Supply and Mfg., Inc.	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
12296	Alenco	Windows	Single Hung	a	a	a	Recommend Approval	New
12297	Silverline Building Products Corp.	Windows	Single Hung	a	a	a	Recommend Approval	New

12303	Alside Window Company	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12309	Gentek Building Products	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12310	Revere Building Products	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
12312	Associated Materials Inc.	Exterior Doors	Sliding Exterior Door Assemblies	a	a	a	Recommend Approval	New
Evaluation by Test Report - FBC Voted Approval								
2346-R2	Warrior Roofing Manufacturing	Roofing	Underlayments	a	a	a	Recommend Approval	Revision
4720-R1	Hollow Metal, Inc	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
5325-R2	SDP Inc.	Roofing	Underlayments	a	a	a	Recommend Approval	Revision
8101-R1	Metals USA Building Products	Roofing	Asphalt Shingles	a	a	a	Recommend Approval	Revision
10400-R2	TAMKO Building Products, Inc.	Roofing	Modified Bitumen Roof System	a	a	a	Recommend Approval	Editorial Change
10829	TEMO Sunrooms, Inc.	Structural Components	Structural Wall	a	a	a	Recommend Approval	New
11680	Petersen Aluminum Corporation	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
11937	Southeastern Metals Mfg. Co.	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
12174	Drexel Metals, LLC.	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
12252	YKK AP America Residential	Windows	Awning	a	a	a	Recommend Approval	New

12254	YKK AP America Residential	Windows	Double Hung	a	a	a	Recommend Approval	New
12286	YKK AP America Residential	Windows	Horizontal Slider	a	a	a	Recommend Approval	New
Evaluation by Evaluation Entity - FBC Voted Approval								
1645-R2	Boise Engineered Wood Products	Structural Components	Engineered Lumber	a	a	a	Recommend Approval	Revision
2947-R3	Nana Wall Systems, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	a	a	Recommend Approval	Revision
3792-R3	Lomanco, Inc	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	Revision
3793-R2	Lomanco, Inc	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	Revision
3794-R2	Lomanco, Inc	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	Revision
3595-R2	Lomanco, Inc	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	a	a	a	Recommend Approval	Revision
6304-R1	Arch Aluminum and Glass Co., Inc.	Panel Walls	Storefronts	a	a	a	Recommend Approval	Revision

6354-R1	Arch Aluminum and Glass Co., Inc.	Panel Walls	Curtain Walls	a	a	a	Recommend Approval	Revision
7700-R1	Total Wall	Panel Walls	Exterior Insulation Finish System	a	a	a	Recommend Approval	Revision
10849	Simpson Strong-Tie Co.	Structural Components	Wood Connectors	a	a	a	Recommend Approval	Deferred
10852	Simpson Strong-Tie Co.	Structural Components	Wood Connectors	a	a	a	Recommend Approval	New
11166	Simpson Strong-Tie Co.	Structural Components	Wood Connectors	a	a	a	Recommend Approval	New
11169	Simpson Strong-Tie Co.	Structural Components	Wood Connectors	a	a	a		New
11175	Southeastern Metals Mfg. Co.	Roofing	Metal Roofing	a	a	a	Recommend Approval	New
11177	Simpson Strong-Tie Co.	Panel Walls	Products Introduced as a Result of New Technology	a	a	a	Recommend Approval	New
11478	Simpson Strong-Tie Co.	Structural Components	Wood Connectors	a	a	a	Recommend Approval	New
11496	Simpson Strong-Tie Co.	Structural Components	Wood Connectors	a	a	a	Recommend Approval	New
11506	Simpson Strong-Tie Co.	Structural Components	Anchors	a	a	a	Recommend Approval	New
12192	KAYCAN LTD	Panel Walls	Siding	a	a	a	Recommend Approval	New
12199	KAYCAN LTD	Panel Walls	Soffits	a	a	a	Recommend Approval	New
12201	KP Building Products Inc	Panel Walls	Siding	a	a	a	Recommend Approval	New
Entities - FBC								

Voted Approval								
TST 2613	Stork - Twin City Testing Wisconsin	Product Testing Laboratory		a	a	a	Recommend Approval	Revision
TST 2609	Architectural Testing, Inc.	Product Testing Laboratory		a	a	a	Recommend Approval	Revision
TST 3892	Hurricane Test Laboratory, LLC - Georgia	Product Testing Laboratory		a	a	a	Recommend Approval	Revision
TST 4317	Testing Evaluation Laboratories, Inc.	Product Testing Laboratory		a	a	a	Recommend Approval	Revision
VAL 1616	Intertek - ETL/Warmock Hersey	Product Validation Agency		a	a	a	Recommend Approval	Revision
Entities - FBC Voted Denial								
TST 7227	Mid America Testing Laboratory, Inc.	Product Testing Laboratory		y	y	y	Recommend Denial - Submitted 1/22/08, was never accredited. AAMA accreditation pdfs uploaded into A2LA accreditation body selection. A2LA accreditation was never sought. After 1 year, emailed applicant requesting withdrawal on 1/12/09. Never withdrawn or completed. Rule 9B-72.160 (3) Indicates that: "Incomplete Product Approval or Entity applications. Any application that has no activity and is not complete within 180 days from the date of initial filing shall be denied."	New
Discussion Items								
Evaluation by Florida PE/RA Method								
11740	Overhead Door Corporation	Exterior Doors	Sectional Exterior Door Assemblies		c	c	<u>Recommend Conditional Approval with condition of: Provide specification of impact glass or remove notes on impact glass available.</u>	New

12017	USA Shutter Company LLC	Shutters	Roll-up		c	c	<u>Recommend Conditional Approval with condition of: Provide details of strom bars as tested. Remove mullion details or provide test of mullion impact.</u>	New
12106	Four Seasons Solar Products LLC	Structural Components	Roof Deck		d	d	<u>Recommend Dererral with condition of: Provide completed application.</u>	New
12163	Four Seasons Solar Products LLC	Structural Components	Roof Deck		d	d	<u>Recommend Dererral with condition of: Provide completed application.</u>	New
12214	YKK AP America	Windows	Fixed		c	c	<u>Recommend Conditional Approval with condition of: Provide anchor calculations to Administrator.</u>	New
12215	YKK AP America	Windows	Fixed		c	c	<u>Recommend Conditional Approval with condition of: Provide anchor calculations to Administrator.</u>	New
12216	YKK AP America	Windows	Single Hung		c	c	<u>Recommend Conditional Approval with condition of: Provide anchor calculations to Administrator.</u>	New
12217	YKK AP America	Windows	Single Hung		c	c	<u>Recommend Conditional Approval with condition of: Provide anchor calculations to Administrator.</u>	New
Test Report Method								
12109	Four Seasons Solar Products LLC	Structural Components	Structural Wall		d	d	<u>Recommend Dererral with condition of: Provide completed application.</u>	New
Public Comments								
Certification Method								
993-R3	Kinro, Inc	Windows	Single Hung	†			Recommend Approval	Revision

993-R3	Public Comment Rick Wright					<p>I. 993.1 – A. Recommended Window Installation Instructions Attachment 1. Section III Fasteners – (Sheet 3 of 4) a. Under item A the instructions call out a #8 screw for both wood or metal stud. (was this from a tested specimen or a design professional) b. Under item B the instructions call out an anchor location pattern for 90 mph and less (was this from a tested specimen or a design professional) c. Under item C the instructions call out an anchor location pattern for 100 mph and greater (was this from a tested specimen or a design professional)</p>	
993-R3	Public Comment Rick Wright (Cont.)					<p>Drawing – (Sheet 4 of 4) a. The drawing contains several types of windows depicting two installation applications on a wood stud. (item 6 of validator checklist states - Verify Installation Instructions, including anchorage requirements are provided for the same product performance documented in the uploaded Certification Certificate or that the manufacturer's licensed design professional has performed this verification.) The Certification Certificate calls out a Series 9750 Hung Window H-R50. b. The drawing also depicts two frame types. The flange mount is depicted with an interior finish supporting the frame. (Two questions arise a. were the flange mount and flush mount tested as depicted in drawing b. the Certification Certificate does not denote the flange mount or the flush mount.</p>	

993-R3	Public Comment Rick Wright (Cont.)					<p>A. Installation Instructions not verified B. Recommended Window Installation Instructions Attachment</p> <p>1. Section III Fasteners – (Sheet 3 of 4)</p> <p>a. Under item A the instructions call out a #8 screw for both wood or metal stud. (was this from a tested specimen or a design professional)</p> <p>b. Under item B the instructions call out an anchor location pattern for 90 mph and less (was this from a tested specimen or a design professional)</p> <p>c. Under item C the instructions call out an anchor location pattern for 100 mph and greater (was this from a tested specimen or a design professional)</p>	
993-R3	Public Comment Rick Wright (Cont.)					<p>2. Drawing – (Sheet 4 of 4)</p> <p>a. The drawing contains several types of windows depicting two installation applications on a wood stud. (item 6 of validator checklist states - Verify Installation Instructions, including anchorage requirements are provided for the same product performance documented in the uploaded Certification Certificate or that the manufacturer’s licensed design professional has performed this verification.) The Certification Certificate calls out a Series 9750 Hung Window H-R50.</p> <p>b. The drawing also depicts two frame types. The flange mount is depicted with an interior finish supporting the frame. (Two questions arise a. were the flange mount and flush mount tested as depicted in drawing b. the Certification Certificate does not denote the flange mount or the flush mount.</p>	

993-R3	Public Comment Rick Wright (Cont.)					<p>III. 993.3 –</p> <p>A. Design Pressures on application do not match Design Pressures on Certification Certificate</p> <p>B. Recommended Window Installation Instructions Attachment</p> <p>1. Section III Fasteners – (Sheet 3 of 4)</p> <p>a. Under item A the instructions call out a #8 screw for both wood or metal stud. (was this from a tested specimen or a design professional)</p> <p>b. Under item B the instructions call out an anchor location pattern for 90 mph and less (was this from a tested specimen or a design professional)</p> <p>c. Under item C the instructions call out an anchor location pattern for 100 mph and greater (was this from a tested specimen or a design professional)</p>	
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993-R3	Public Comment Rick Wright (Cont.)						<p>. Drawing – (Sheet 4 of 4)</p> <p>a. The drawing contains several types of windows depicting two installation applications on a wood stud.</p> <p>(item 6 of validator checklist states - Verify Installation Instructions, including anchorage requirements are provided for the same product performance documented in the uploaded Certification Certificate or that the manufacturer's licensed design professional has performed this verification.) The Certification Certificate calls out a Series 9750 Hung Window H-R50.</p> <p>b. The drawing also depicts two frame types. The flange mount is depicted with an interior finish supporting the frame.</p> <p>(Two questions arise a. were the flange mount and flush mount tested as depicted in drawing b. the Certification Certificate does not denote the flange mount or the flush mount.</p>	
993-R3	Public Comment Rick Wright (Cont.)						<p>Verify Installation Instructions, including anchorage requirements are provided for the same product performance documented in the uploaded Certification Certificate or that the manufacturer's licensed design professional has performed this verification.</p> <p>Thanks</p>	
993-R3	Recommendation by Administrator			d	a	a	<u>Recommend Approval</u>	
2864-R2	Kinro, Inc	Windows	Single Hung	#	-	-	<u>Recommend Approval</u>	Revision

2864-R2	Public Comment Rick Wright					<p>I. 2864.1 – A. Recommended Window Installation Instructions Attachment 1. Section III Fasteners – (Sheet 3 of 4) a. Under item A the instructions call out a #8 screw for both wood or metal stud. (was this from a tested specimen or a design professional) b. Under item B the instructions call out an anchor location pattern for 90 mph and less (was this from a tested specimen or a design professional) c. Under item C the instructions call out an anchor location pattern for 100 mph and greater (was this from a tested specimen or a design professional)</p>	
2864-R2	Public Comment Rick Wright (Cont.)					<p>2. Drawing – (Sheet 4 of 4) a. The drawing contains several types of windows depicting two installation applications on a wood stud. (item 6 of validator checklist states - Verify Installation Instructions, including anchorage requirements are provided for the same product performance documented in the uploaded Certification Certificate or that the manufacturer's licensed design professional has performed this verification.) The Certification Certificate calls out a Series 26000 Hung Window H-R45. b. The drawing also depicts two frame types. The flange mount is depicted with an interior finish supporting the fram (Two questions arise a. were the flange mount and flush mount tested as depicted in drawing b. the Certification Certificate does not denote the flange mount or the flush mount.</p>	

2864-R2	Recommendation by Administrator			<u>d</u>	a	a	<u>Recommend Approval</u>	
6796-R1	Atlas Roofing	Roofing	Roofing Insulation	a	a	a	<u>Recommend Approval</u>	Revision
6796-R1	Public Comment Jaime Gascon						Product 6796.7 indicates use of an OSB sheathing, not allowed for use in the HVHZ per FBC 2322.2	
6796-R1	Response by Richard Roc						The standard board used on Atlas CrossVent and Nail Base Insulation is 7/16 in. OSB. The boards tested by UL and FM were made with OSB nailing surfaces, so OSB is referenced in the reports. Please note, however, that FM and UL consider OSB and plywood interchangeable in these Approvals and Listings. In addition, the products in question are already included in our Miami-Dade Notice of Approval (Product Control No. 08-0111.01) with 19/32 in. plywood listed as the nailing surface. So, when these products are used in Florida's HVHZ, Atlas is already manufacturing them with plywood panels. At any rate, they are always available with plywood instead of OSB.	
6796-R1	Commentary by Administrator						The applicant is seeking approval for the roofing insulation product not for the OSB sheathing. The product was tested and certified for its insulation performance within an assembly tested with the OSB sheathing. OSB could be used within HVHZ if tested under requirements of Sect. 2322.2.	
9671-R1	Flesher Windows, Inc.	Exterior Doors	Sliding Exterior Door Assemblies	†	-	-	<u>Recommend Approval</u>	Revision
9671-R1	Public Comment Jaime Gascon						Certification is for 180 or 90 degrees only; see options provided on installation drawing. Corners are not detailed on installation drawings. Needs proof of gaskets (dry glazed) meeting FBC 2411.3.4 for use in HVHZ.	

9671-R1	Response by Kristina S. Daugherty						<p>1. The 135 degree configuration listed on Sheet 1 of Drawing FWI128 can be removed. The 135 degree door is approved under FL10707 and FL10670.</p> <p>2. A corner detail will be added to the drawings to show the 90 degree butt stiles.</p> <p>3. The glazing is not dry glazed. A Back bedding of silicone DOW 955 will be added to all the glazing details shown on drawing FWI128.</p>	
9671-R1	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with conditions of: Remeove 135 degree configuration. Add corner detail. Add proper glazing sealant detail as tested.</u>	
10039-R1	Flesher Windows, Inc.	Windows	Single Hung	a	-	-	Recommend Approval	Revision
10039-R1	Public Comment Jaime Gascon						Needs to indicate type of Dow sealant as tested, see detail A on drawing. The "Saflex Plus II"? Needs to show proof of fire and weathering per FBC 2612.	
10039-R1	Response by Kristina S. Daugherty						<p>The silicone type called out on Detail A, Sheet 3 of the Drawing FWI138 is not Dow Corning. It is Sikaflex 552, as stated. We will remove the DOW Corning call out on Sheet 3, if required.</p> <p>Also, the Saflex Plus II is a typo from the test report. We can and will provide an NOA for the correct interlayer type, if needed. We will also change the drawings and PER to reflect the correct interlayer type.</p>	

10039-R1	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with conditions of: Remove reference to Dow Corning on Sheet 3. Provide correct interlayer as tested from revised test report.</u>	
10142	TRADESMAN LLC	Roofing	Modified Bitumen Roof System	n	-	-	<u>Recommend Approval</u>	New
10142	Public Comment Jaime Gascon						These membranes have not been tested per TAS 110 (physical properties) 10142.1 and 10142.2 to ASTM D5147 and ASTM D6164	
10142	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Provide testing in accordance with TAS 110 or indicate "No" for use within HVHZ.</u>	
10982	Resin Technology Company / Division of Henry Company	Roofing	Spray Applied Polyurethane Roof System	n	-	-	<u>Recommend Approval</u>	New
10982	Public Comment Jaime Gascon						Needs TAS 110 physical properties testing. Submitted under FBC 2004?	
10982	Response by Adrian Jacobs						Please consider the attached ICC report. (Report ESR-2132 was attached to response. ESR-2132 is report by ICC dated 2/1/2009)	
10982	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Provide testing in accordance with TAS 110 or indicate "No" for use within HVHZ.</u>	
12051	Kinro, Inc	Windows	Fixed	n	-	-	<u>Recommend Approval</u>	New

12051	Public Comment Rick Wright					<p>I. 12051.1 –</p> <p>A. Design Pressures on application do not match Design Pressures on Certification Certificate</p> <p>B. Recommended Window Installation Instructions Attachment</p> <p>1. Section III Fasteners – (Sheet 3 of 4)</p> <p>a. Under item A the instructions call out a #8 screw for both wood or metal stud. (was this from a tested specimen or a design professional)</p> <p>b. Under item B the instructions call out an anchor location pattern for 90 mph and less (was this from a tested specimen or a design professional)</p> <p>c. Under item C the instructions call out an anchor location pattern for 100 mph and greater (was this from a tested specimen or a design professional)</p>	
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12051	Public Comment Rick Wright (Cont.)						<p>2. Drawing – (Sheet 4 of 4)</p> <p>a. The drawing contains several types of windows depicting two installation applications on a wood stud. (item 6 of validator checklist states - Verify Installation Instructions, including anchorage requirements are provided for the same product performance documented in the uploaded Certification Certificate or that the manufacturer's licensed design professional has performed this verification.) The Certification Certificate calls out a Series 26000 Fixed Window FW-R50.</p> <p>b. The drawing also depicts two frame types. The flange mount is depicted with an interior finish supporting the frame. (Two questions arise a. were the flange mount and flush mount tested as depicted in drawing b. the Certification Certificate does not denote the flange mount or the flush mount.</p>	
12051	Recommendation by Administrator			<u>d</u>	c	c	<u>Recommend Conditional Approval with condition of: Limit Design Pressure to certified rating.</u>	
	Evaluation by Florida PE/RA Method							
5500-R2	Elite Aluminum Corporation	Roofing	Metal Roofing	π	-	-	Recommend Approval	Revision
5500-R2	Public Comment Jaime Gascon						Requires TAS 202 testing for use in HVHZ (test as an assembly).	

5500-R2	Response by Chris Langley						This same product was approved for the 2007 FBC under application FL 7561 with the same testing per ASTM E72 – in fact the same exact test reports. Is there anything that can be done to keep both approvals congruent (both HVHZ, or both Non-HVHZ)? Recommended Action: Revise application to show “For Use Outside The HVHZ Only”.	
5500-R2	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Indicate "No" for use within HVHZ.</u>	
8215-R1	High Velocity Hurricane Protection Systems	Shutters	Roll-up	†	-	-	Recommend Approval	Revision
8215-R1	Public Comment Jaime Gascon						This product should not be categorized as a "shutter" since it does not meet the shutter criteria of 1613.1.9. Consider "Structural Component" and sub-cat "Result of new technology".	
8215-R1	Response by Chris Langley						We recommend that the FBC consider one of the following, in order of preference: a) Keep the category “SHUTTER”, but change the subcategory to “Result of new technology”, or b) Change the category to “NEW/INNOVATIVE ENVELOPE PRODUCTS”, subcategory “Other” Categorizing the product as a “Structural Component” will limit its acceptance by building officials as an impact resistant “hurricane abatement” product.	
8215-R1	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition: Indicate "No" for use within HVHZ.</u>	

9449-R1	United States Aluminum Corp.	Panel Walls	Storefronts	†	-	-	Recommend Approval	Revision
9449-R1	Public Comment Jaime Gascon						Product 9449.1 and .2 IG500 reinforced and non-reinforced are to be limited to 120" as tested for use in the HVHZ. Evaluation tables indicate 17'6" and 13.6" respectively. Confirm gaskets (dry glazed) comply with FBC 2411.3.4 since this is an impact resistant system.	
9449-R1	Response by Chris Gall						The testing for the HVHZ is to 120". The Evaluation tables are for areas other than HVHZ for size requirements. The gasket does meet FBC 2411.3.4 and is shown under the product reports of 2004. I have attached the reports that is under the previous FL9449 code for 2004.	
9449-R1	Recommendation by Administrator			£	c	c	There are tables on the evaluation report with sizes larger than tested. These tables shall be removed. The test reports provided for the gaskets do not comply with the new testing requirements for gaskets on Sect. 2411.3.4. <u>Recommend Conditional Approval with condition of: Remove from evaluation reports tables with sizes larger than tested. Indicate "No" for use within HVHZ.</u>	
10083-R1	Graham Architectural Products	Windows	Double Hung	a	c	c	<u>Recommend Conditional Approval with condition of: Indicate within HVHZ not to be used above 30 ft height.</u>	Revision
10083-R1	Public Comment Jaime Gascon						Product 10083.2 limit insulated glass to large missile since exterior lite does not comply with FBC 2411.3.3.7.	
10384	Alukon GMBH & Co. KG	Shutters	Roll-up	a	-	-	Recommend Approval	New
10384	Commentary by Administrator						Quality Assurance Agency advised Administrator that there was no QA contract with manufacturer.	

10384					c	c	<u>Recommend Conditional Approval with condition of: Obtain Quality Assurance Agency Contract.</u>	
11217	CAOBA Doors	Exterior Doors	Swinging Exterior Door Assemblies	π	-	-	<u>Recommend Approval</u>	New
11217	Public Comment Jaime Gascon						<p>When we reviewed this product for an NOA the following was not clear from the available evidence:</p> <ol style="list-style-type: none"> 1. Were the minimum required three samples of 7/16" annealed laminated glass impacted per TAS 201/203? 2. Test report No. CTLA-1283W-31 did not indicate if the raised panel was impacted as required per FBC 1626.2.5.2.1. 3. Test report No. CTLA-1283W-33 does not indicate measurement of the required deflection measured at Horizontal mullion, and does not indicate how the unit was secured at transom or at horizontal mullion. 4. Anchor calculations did not match specification on the drawings; indicated six (6) anchors in calculations, drawing shows four(4); (astragal end) calculations indicate seven (7) anchors, drawing shows four(4). 5. Drawings have not reflected use of hardware & surface bolts that were tested. 6. Drawings have not shown the reinforcements used in the tests. 	

11217	Response by Kristina S. Daugherty					<p>1. The three test reports shown on the PER's (CTLA-1283W-31, CTLA-1283W-33, CTLA-1283W-35) were all done under one test plan and have the same Dade County Notification #:04029. The test report showing the Annealed glass only tested one structural and one impact specimen to show the alternate glazing. The previous two test reports included one structural and three impact/cycling specimens.</p> <p>2. Additional information has been requested from the testing laboratory and will be issued as an addendum letter by the lab. We will provide this addendum upon request, if needed.</p> <p>3. For the deflection measurements, this information has been requested from the laboratory and can be included in the addendum letter, if needed. However, for the attachment of the mullion and transom, please refer to Page 2, Paragraph 2 of test report CTLA 1283W-33 for a description of the assembly and attachment to the substrate.</p>	
11217	Response by Kristina S. Daugherty (Cont.)					<p>4. Anchor calculations will be verified and anchor spacing will be adjusted accordingly, if required.</p> <p>5. We will show the surface bolts on the drawings, if needed.</p> <p>6. The reinforcements were shown on the drawing per the Bill of Materials, but we will highlight the reinforcements in the details throughout the drawing for clarity, if required.</p>	

11217	Recommendation by Administrator.				d	d	d	<u>Recommend Deferral with conditions of: Provide Test Reports and revise Evaluation Reports indicating the glazing configurations as tested; impact of raised panels; measurement of deflection of mullions and its attachments. Revise installation drawings to indicate anchors as on calculations.; hardware as tested and reinforcements as tested.</u>	
11340	Hurricane Fabric .com	Shutters	Products Introduced as a Result of New Technology		π			Recommend Approval	New
11340	Public Comment John McEnroe							Structural Note 9 indicates that the minimum separation form glass shall be 01". This separation does not meet 2007 FBC requirements including "1626.2.6.1: If external protection devices are employed to protect windows, fixed doors or skylights, they must resist the large missile impacts specified in Sections 1626.2.3 and 1626.2.4 without deformations which result in contact with the windows, fixed glass, glass block, and doors or skylights they are intended to protect". Therefore, and with knowledge that the product will deflect more than 01" in the spans shown in the drawings, FL 11340 will not meet the requirements for installation in the HVHZ and should be denied.	
11340	Public Comment Jaime Gascon							Since this is a shutter, the specifications need to indicate the separation to glass as required in TAS201, TAS203 and FBC 1613.1.9.	

11340	Public Comment Michael Murray					<p>In "Structural Notes" section-</p> <p>(Note 9) HVHZ code requires 1" separation after max deflection. Installation Instructions do not indicate what the maximum tested deflection is.</p> <p>(Note 10) This note references aluminum components but none are shown in the Installation Instructions.</p> <p>Plastic components are listed as "Zytel Impregnated - Super Tough Nylon cr. 6/6 Zytel Additive" Zytel is the trade name for a broad family of engineering grade nylon resins manufactured by DuPont, the "super tough" nylon described in the product approval is unclear. The basic engineering specifications for the particular resin should be listed in the product approval such as Tensile Strength, Flexural Modulus, Elongation at Break, and if reinforced, the type and percentage of reinforcement. This particular plastic part is a highly stressed component and its ability to perform as required is entirely dependent on the properties of the resin.</p>	
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11340	Public Comment Michael Murray (Cont.)						<p>All previous versions of this product required using an epoxy adhesive to bond the plastic components to the fabric in addition to mechanical fasteners. This application has no reference to epoxy, can it be verified that it was tested without epoxy?</p> <p>It should be verified that the anchor spacing of the tested panels allows the range of anchor spacing in the anchor schedule.</p> <p>It should be verified that comparative analysis was used to create the anchor schedule with respect to the indicated range of design pressures.</p>	
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11340	Response by Scott Purcell					<p>Mr. McEnroe and Mr. Gascon are correct. The drawings do not have the deflection tables as they were mistakenly omitted from the last uploading to the FBC website. After making changes to clarify questions regarding anchor removal, the tables were inadvertently omitted. With the correction of this mistake, the answer to Mr. McEnroe's question of minimum separation referred to in #9 of the general notes, is that there is a minimum separation of 1" at maximum deflection of any given sized screen.</p> <p>The proposed solution to this question is to ask the board to allow us to state in #9 that the minimum separation from glass shall be 1" at maximum deflection and reinstall the deflection tables.</p> <p>In regards to questions posted by Mr. Murray, the note for aluminum extrusions was inserted to allow for any future design modification necessary with site specific. However, our system does not currently employ the use of aluminum extrusions therefore this note can be removed if it is deemed necessary.</p>	
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11340	Response by Scott Purcell (Cont.)						<p>The material used in our clip is a protected, patent pending, trade secret. As far as Tensile Strength, Flexural Modulus and Elongation at Break, this system has been tested to meet the requirements of the Florida Building code TAS 201, 202 & 203 and has passed all load and cyclic wind pressure testing as well as large missile impact.</p> <p>Our previous FBC approval drawings and testing did employ the use of epoxy as the design of our clip was vastly different. The current design employs screws and not prongs which eliminate the need for epoxy. This test performed by Fenestration testing laboratory was conducted without the use of epoxy.</p> <p>As Stated in the evaluation report, structural engineering calculations have been prepared which evaluate the product for maximum screen length vs. design wind load; maximum anchor spacing vs. design wind load and screen length based on rational comparative analysis per section 1612 of the FBC.</p> <p>We request that the board allow for a conditional approval with the understanding that the proposed changes are made.</p> <p>I have attached a copy of the corrected drawings for your review.</p>	
11340	Recommendation by Administrator			c	c	c	<p><u>Recommend Conditional Approval with conditions of: Provide deflection tables indicating glazing separation. Remove notes on aluminum extrusions. Provide Tensile Strength, Flexural Modulus, Elongation at Break, and if reinforced, the type and percentage of reinforcement of clip material.</u></p>	
11565	JHRG LLC	Shutters	Storm Panels	a	a	a	<p><u>Recommend Approval</u> - Deferred from Dec 2007 meeting. Complied with conditions of: Remove note #4 on drawings related to glass separation. Provide test report for zipper running perpendicular to load. Did not provide evidence of testing for condition of zipper running perpendicular to load.</p>	Deferred

11565	Public Comment Jaime Gascon						Therefore, remove zippers from specifications since the condition was to provide the evidence.	
11565	Response by Kristina S. Daugherty						We have complied with the November meeting comments regarding the minimum separation requirements for installation of the storm panels, previously submitted by Jamie Gascon. We have also complied with the public comment regarding the zipper installed perpendicular to the wind load. The manufacturer has re-tested and we have changed the drawings and PER's to reflect that the perpendicular zipper was tested. We have also sent you a copy of the test report for the perpendicular zipper to provide evidence on March 3, 2009. The zippers are part of the product and should not be removed.	
11565	Commentary by Administrator						The condition of deferral from the December 2008 meeting were complied by delivering to the Administrator the test reports of the assembly tested with zippers on both direction of load.	

12092	Eurocraft Industries Inc	Windows	Dual Action		a	a	a	<u>Recommend Approval</u>	New
12092	Public Comment Jaime Gascon							Dual action window requires testing to TAS202 for use in the HVHZ. See list of test reports in evaluation report. Therefore, indicate not for use in HVHZ.	
12092	Response by Andrew D. Harold							The parts of this door and window system are interchangeable, and both door and window will function exactly the same when closed. Therefore, that TAS202 was not listed on test report 210-2876-5 (49"x80" window with +/- 85psf design pressure) is of little concern to me. TAS202 is listed on 210-2876-1 (74"x83" slider with +100/-135psf design pressure) and on 210-2698-1 (43"x96" in-swing door with +/- 75psf design pressure), so by extension the window should be acceptable and the product should be approved for use in HVHZ.	

12092	Commentary by Administrator						This product utilizes the same components for doors and windows. The product had tests for TAS 202 for larger frames and test loads than the one conducted for a window. Therefore the referral of a test on the evaluation report other than TAS 202 does not invalidate the successful performance of those that complied with the test requirements.	
12126	Vistawall Group	Panel Walls	Curtain Walls	a	a	a	<u>Recommend Approval</u>	New
12126	Public Comment Jaime Gascon						Minimum glass bite not specified on this dry glazed large missile impact resistant system. Confirm glazing gaskets (dry glazed) comply with FBC 2411.3.4.	
12126	Response by Bob Walz						The glass bite is shown on the installation drawings as being 3/4" (Detail 2 on page 3). The gaskets were tested to ASTM C 864 which is in compliance with section FBC 2411.3.4 as shown in the test report attached. If desired the glass bite can be added to the glazing detail. If this is desired please grant this application a conditional approval in order to make that addition.	
12126	Commentary by Administrator						Responder provided location of glass bite specification and provided test report in compliance with ASTM C864 for the glazing gaskets.	
12131	Vistawall Group	Panel Walls	Storefronts	†			<u>Recommend Approval</u>	New
12131	Public Comment Jaime Gascon						Note 4 on drawings calls out 'insulated glass' and the details show laminated glass. If insulated glass, then limit to large missile only per conditions in FBC 2411.3.3.7. It is noted that evaluation lists laminated glass.	

12131	Response by Bob Walz						Note 4 is incorrect. The correct glazing is as defined in the glazing detail of the drawings and also the glazing listed on the evaluation report. Please grant this application a conditional approval so that Note 4 can be modified to the correct glazing.	
12131	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Revise Note 4 to indicate glazing as detailed on the evaluation report and installation drawings.</u>	
12133	Vistawall Group	Panel Walls	Storefronts	a	-	-	Recommend Approval	New
12133	Public Comment Jaime Gascon						Correct drawings to show large missile only per required limitations for this product. An incomplete set of drawings has been provided on the BCIS (see sheet numbers on title block) where critical information is missing; i.e. complete bill of materials in order to identify clazing components, splice details, intermediate support details. There is no correlation to the table of contents provided on the drawing's first sheet. Deferral is suggested to allow for review of complete set of details.	
12133	Response by Bob Walz						The product was tested to large and small missile impact resistance. Please grant this application a conditional approval so that the drawings can be fixed as requested by Mr. Gascon.	
12133	Recommendation by Administrator			d	d	d	<u>Recommend Deferral with condition of: Provide complete set of installation drawings. Drawings shall include Bill of Materials identifying panel wall components.</u>	
12191	Megamet Industries, Inc.	Exterior Doors	Swinging Exterior Door Assemblies	a	-	-	Recommend Approval	New
12191	Public Comment Jaime Gascon						Product 12191.1 needs section details of the louver insert since it is part of the impact resistant assembly.	

12191	Response by Rick Wright						We will be glad to add a more detailed sectional view for the impact louvers as shown in the drawing. Please seek a conditional approval to allow for adding the detail as Jaime has requested.	
12191	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Provide section detail view of the louver insert.</u>	
12197	Metals USA Building Products	Windows	Horizontal Slider	#	-	-	Recommend Approval	New
12197	Public Comment Jaime Gascon						Where is the 'window' detailed? The drawings detail a wall panel. Windows require full TAS202 testing for use in the HVHZ. (See category and subcategory for this application.)	
12197	Response by Do Kim						This product approval is for a wall panel that has built into it impact resistant windows per the evaluation report and installation drawings. The third party impact windows are Custom Windows FL#7067.3 sliders and FL#5859 fixed windows. These windows already have HVHZ product approvals and were used within the wall system. The testing of the wall panel with the windows were conducted which included 201, 202, and 203. The installation drawings show the impact windows as part of the wall panel and the fasteners required to secure them to the aluminum frame. The window details are referenced in the evaluation report and installation drawing to Custom Windows FL product approvals.	
12197	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Revise category/sub-category to Structural Component/Structural Wall.</u>	
12205	YKK AP America	Windows	Mullions	#	-	-	Recommend Approval	New

12205	Public Comment Jaime Gascon						Mullion's span to be limited to that tested. (Evaluation report infers 68" and 95.4" respectively.) See FBC 1714.5.5.	
12205	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Provide test reports indicating mullion tested span. Limit span to tested values.</u>	
12219	YKK AP America	Windows	Mullions	a	-	-	<u>Recommend Approval</u>	New
12219	Public Comment Jaime Gascon						Mullion's span to be limited to that tested. (Evaluation report infers 68" and 95.4" respectively.) See FBC 1714.5.5.	
12219	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: Provide test reports indicating mullion tested span. Limit span to tested values.</u>	
12317	Gammans Skylight Systems, Inc.	Sky Lights	Skylight	a	-	-	<u>Recommend Approval</u>	New
12317	Public Comment Jaime Gascon						Limit to large missile impact only since the insulated glass makeup does not conform to FBC 2411.3.7. Note this will require new test if changing glass; see 1626.2.5.1.1.	
12317	Response by Rick Wright						I have spoken with the client and we will be glad to show limitation as Jaime has requested.	
12317	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with condition of: On limits of use indicate not to be used above 30 Ft height.</u>	
Test Report Method								
1421-R2	Wayne-Dalton Corp.	Exterior Doors	Roll-Up Exterior Door Assemblies	a	a	a	<u>Recommend Approval</u>	Revision

1421-R2	Public Comment Jaime Gascon						Test report shows to be expired, and this approval is being presented under the 'test method'; tested in 1997 and report expired in 2005. Same comment for most other reports with non-HVHZ conditions.	
1421-R2	Response by Gordon Thomas						This was already discussed and addressed during the validation process. The test report expiration date is only determined by the lab. If a new product was to be submitted, the same test standard and report would be completed and there is no justification to state why it would not have equal results. Re-testing the same product to the same standard would not improve the product compliance of the end product. It would only add more cost to the manufacturer trying to supply the doors.	
1421-R2	Commentary by Administrator						The application contains a letter from the testing laboratory indicating that the expiration date of tests have been extended and are current.	
7170-R2	Amarr Garage Doors	Exterior Doors	Sectional Exterior Door Assemblies	⌘	-	-	Recommend Approval	Revision
7170-R2	Public Comment Jaime Gascon						Commercial quality steel, specified for the door skins, has too broad a range for the material's strength. For HVHZ, the tested strength is to be specified as minimum, and is established by sampling the test units and performing ASTM E8 - tensile test. Also, G40 coating for steel door skins does not comply with requirements in FBC 2220.	

7170-R2	Response by Brandon Gentle						<p>The first comment was in regard to tested strength of steel for HVHZ must be tested to ASTM E 8– Tensile Test. While this is a requirement to receive a Dade County NOA, ASTM e 8 is not listed in the referenced standards in the 2007 Florida Building Code, and therefore should have no bearing for Florida Approval.</p> <p>The second comment was in regard to G40 coating for steel not meeting requirement in FBC 2220. I have attached a test report sealed by a Florida P.E. showing that our G40 painted panels performed better than G90 bare panels when evaluated according to ASTM D 1654 procedure B</p> <p>Using ASTM Test Method D 610 as a guide in evaluating the percentage of surface area rusted.</p>	
7170-R2	Recommendation by Administrator			c	c	c	<p>Although testing for ASTM E8 is not a building code requirement, there needs to be a specific specification of the tested material strength. A test report was provided comparing different coatings and exposures, but this does not comply with the requirements in Sect. 2220.</p> <p><u>Recommend Conditional Approval with conditions of: Provide strength of tested material. Indicate "No" for use within HVHZ.</u></p>	
11135	Diamond Door Products	Exterior Doors	Swinging Exterior Door Assemblies	#	-	-	Recommend Approval	New
11135	Public Comment Jaime Gascon						Product 11135.1 indicate 'no' for HVHZ on the BCIS, as indicated in the installation instructions - note 1.	
11135	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with conditions of: Indicate "No" for use within HVHZ. Provide lock hardware as tested.</u>	
11728	Merchant & Evans, Inc.	Roofing	Metal Roofing	#	-	-	Recommend Approval	New

11728	Public Comment Jaime Gascon						Product 11728.2 the TAS125 per UL-580 is an inaccurate test. Test similar to this have been attempted for approval in Miami-Dade where they have been rejected. The only sealing allowed for the test assembly is specified in TAS125; see figures at the end of TAS125 for proper and improper conditions. See improper use of 'ice and water shield' on sheets 48 and 49 of test report, which cheats the test by allowing qualification of higher unrealistic system uplift loads. Indicate not for use in HVHZ.	
11728	Recommendation by Administrator			c	c	c	There was no response from applicant. <u>Recommend Conditional Approval with condition of: For Product 11728.2 indicate "No" for use within HVHZ.</u>	
12086	Al's Sheetmetal Industry LLC	Roofing	Roofing Accessories that are an Integral Part of the Roofing System	#	-	-	<u>Recommend Approval</u>	New
12086	Public Comment Jaime Gascon						Needs ASTM G23 weathering for 2000 hrs. and ASTM B117 salt spray per TAS110 section 15. Else indicate not for use in HVHZ.	
12086	Response by Al Robida						It is very critical from a financial standpoint that we receive product approval in April. With that said, I do not have time to find out if our material and or testing complies with the standards for HVHZ areas. Therefore, I would like to indicate not for use in HVHZ.	
12086	Recommendation by Administrator			c	c	c	<u>Recommend Conditional Approval with conditions of: Indicate "No" for use within HVHZ. Provide tests indicating weathering performance required in building code.</u>	
11448	Stanek Vinyl Windows	Windows	Fixed		a	a	<u>Added by POC. Recommend Approval</u>	

ATTACHMENT 7

LEGAL REPORT

1. **DCA08-DEC-207** by Anthony Apfelbeck, Fire Marshall/Building Official, City of Altamonte Springs
(December 2008)

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.

For the February meeting the petitioner has requested the following : The petitioner requested that the response time of Chapter 120 Procedure for this Declaratory Statement be extended until June 1st 2009, with the understanding that the extension will not result in the dismissal of the Declaratory Statement.

2. DCA08-DEC-344 by *Alvin Scolnik, National Electrical Manufacturer's Association*

Withdrawn at request of petitioner

3. DCA08-DEC-345 by *James Reed, Southwest Progressive Enterprises, Inc*

Dismissed, as no further information has been provided by the applicant to correctly determine the products structural properties.

4. DCA09-DEC-009 by *Thomas H Ford of Bhamani, Ford*

Question #1: Floor area of warehouse space for a retail store is 1250 SF x .04 = 50 SF. An over head door is 10' x 16' = 160 SF, therefore no mechanical ventilation to bring outside air to the storage area is required, or no additional louvers in the exterior wall are required because 50 SF is less than 160 SF. Does this comply with the intent of section 402.2 Ventilation Area Required?

Answer: Yes. The size of the openable area "160 SF" to the outdoors does comply with the intent of Section 402.2 of the *FBC, Mechanical*.

Question #2: If there are no windows or doors to the outside then mechanical ventilation of 62.5 CFM minimum would be required for this un-air conditioned space: 1250 SF x 0.05 CFM/SF = 62.5 CFM. Does this comply with the intent of Table 403.3 Required Outdoor Ventilation Air?

Answer: Yes. Mechanical ventilation of "62.5 CFM" does comply with the intent of Table 403.3 of the *FBC, Mechanical* for a 1250 square foot warehouse.

5. DCA09-DEC-025 by *Brad Wetherholtz, Florida Roofing and Sheet Metal Association*

Question 1: Is a 0.131 diameter nail, minimum 2.25" long, acceptable as an existing nail in lieu of the above referenced .141 diameters when re-nailing roof decks as per the 2007 FBC, Existing Building Volume, section 611.7.1 and associated sections.

Answer: Yes. It appears that there is an internal conflict within Section 611.7.1 with regard to the specifications for an 8d nails. According to the National Design Specification for Wood Construction "NDS", which is adopted by reference in the FBC, Building Volume "See Table L4 above", the minimum diameter for an 8d common nail is (.131"). There are no technical bases or justification available from the national standard of practice for the (.141") specification. Therefore, it is evident that the diameter for a standard 8d Common nail is ".131 inch" and not ".141 inch".

Question 2: Is .141 a typographical error?

Answer: See above.

6. **DCA09-DEC-045** by *Brad Wetherholtz, Florida Roofing and Sheet Metal Association*

Question 1: Does a home requiring roof to wall improvements as per 611.8, with both gable and hip configurations, and a confirmed cost to improve both gable ends and hip corners that would exceed 15% of the re-roof cost be required to improve only the portion that would apply as per 611.8.1.7?

Answer: Understanding that one of the improvements “gable ends **or** hip corners” can be improved at a cost not to exceed 15% of the re-roof cost, the answer is as follows:

Yes. Improvement is subject to the criteria of Section 611.8.1.7.

Question 2: If the answer to question 1 is yes, then it would seem that 611.8.1.7 enforces partial improvements (up to 15% of the cost of the re-roof) in lieu of all improvements that was previously listed in 611.8© that was stricken at the time of the glitch review and approve process and is not consistent with the approved language submitted by the wind mitigation workgroup. **Question:** Does section 611.8.1, exception 2 supersede section 611.8(b) and void 611.8.1.7 when a home has both gable ends and hip corners that require improvements?

Answer: No. With regard to the project in question all sections “611.8.1, Exception 2, 611.8(b) and 611.8.1.7” would apply.

Question 3: If the answer to question 2 is no On a home that has both gable and hips, and as per section 611.8.1.7, and the gables are priority (or vice-versa) and can be improved with in budget of 15% of the re-roof cost, but all of the hip corners cannot be improved with in the same budget (15% of the reroof cost) does ~~any all the~~ hip corners still need to be improved?

Answer: No, if the residual funds are not sufficient to complete the mitigation/repairs of all hip corners then none are required.

7. **DCA09-DEC-051** by *David Hodges, Fine Tooth Comb Investigations*

Withdrawn at request of petitioner

8. **DCA09-DEC-053** by *James R. Schock City of Jacksonville*

Question #1: Does this section of the Code apply to commercial applications, residential applications or both?

Answer: As per 553.844(3), Florida Statutes, the application of Section 105.15 of the FBC, Building is limited to site-built, detached single-family residential structures.

Question #2: Assuming this home was constructed under the 2001 FBC and designed for a higher internal pressure is it still required to provide wind borne protection?

Answer: No. As per Section 553.844(1), it is the intent of the law to address construction undertaken prior to the implementation of the Florida Building Code. Previous editions of the FBC (2001 and 2004 without the 2007 Supplement) did allow the partially enclosed option as a mean of protection.

9. DCA09-DEC-055 by *David Hodges, Fine Tooth Comb Investigations*

Withdrawn at request of petitioner

10. DCA09-DEC-056 by *David Hodges, Fine Tooth Comb Investigations*

Withdrawn at request of petitioner

11. DCA09-DEC-062 by *Dan Arlington, St. Johns County*

Question #1: Is it the intent of the new FBC Section 105.15 that it applies to only site-built single family residential structures, or all buildings?

Question #2: Is it the intent of the new FBC Section 105.15 to require opening protections for buildings built before July 1, 2007~~8~~ using partially enclosed engineering as an alternative to opening protections?

The committee voted to consolidate both DCA09-DEC-053 and DCA09-DEC-062, with the answer to the questions from DCA09-DEC-053.