

SCREEN ENCLOSURES WORKGROUP
REPORT TO THE FLORIDA BUILDING
COMMISSION



MAY 16, 2012—MEETING II

TALLAHASSEE, FLORIDA

FACILITATION, MEETING AND PROCESS DESIGN BY



CONSENSUS CENTER

REPORT BY JEFF A. BLAIR
FCRC CONSENSUS CENTER
FLORIDA STATE UNIVERSITY



jblair@fsu.edu
<http://consensus.fsu.edu>

*This document is available in alternate formats upon request to DBPR, Codes & Standards,
1940 North Monroe Street, Tallahassee, FL 32399-0772, (850) 487-1824.*

**FLORIDA BUILDING COMMISSION
SCREEN ENCLOSURES WORKGROUP**

TABLE OF CONTENTS

<i>TABLE OF CONTENTS</i>	1
<i>TABLE OF ATTACHMENTS</i>	1
PROJECT OVERVIEW AND SCHEDULE	2
WELCOME AND ATTENDANCE	3
MEETING OBJECTIVES	3
EVALUATION OF PROPOSED REVISIONS TO DRAFT RULE	4
GENERAL PUBLIC COMMENT	6
NEXT STEPS	6

ATTACHMENTS	7 - 19
I. MEETING PUBLIC ATTENDANCE	7
II. WORKGROUP MAY 16, 2012 MEETING AGENDA	8
III. OPTIONS RANKING EXERCISE RESULTS	9

FLORIDA BUILDING COMMISSION

SCREEN ENCLOSURES WORKGROUP

OVERVIEW

Dick Browdy, Commission Chair, made appointments to the Screen Enclosures Workgroup, and they are listed below by representation. Members are charged with representing their stakeholder group’s interests, and working with other interest groups to develop a consensus package of recommendations for submittal to the Florida Building Commission. The Screen Enclosures Workgroup is tasked by the 2012 Florida Legislature with developing recommendations regarding the Commission’s development of a rule for implementing an alternative design method for screen enclosures which allows for the removal of a section of the screen to accommodate high-wind events consistent with the provisions of the Florida Building Code. The project will be a facilitated consensus-building process consistent with Commission procedures and policies and will conclude with recommendations for screen enclosure Code requirements submitted to the Florida Building Commission for implementation by rule. The Commission shall incorporate the alternative screen enclosure design method requirements into the next version of the Florida Building Code. However, legislation requires the Rule to be effective by January 2, 2012.

WORKGROUP MEMBERSHIP	
MEMBER	REPRESENTATION
Thomas Johnston	Screen Enclosure Manufacturing Industry
Santos Gonzalez	Screen Enclosure Manufacturing Industry
David Johns	Aluminum Contractors Industry
Dale Desjardins	Aluminum Contractors Industry
Jack Glenn	Florida Homebuilders Association
Peter Coccaro	Florida Swimming Pool Association
Jamie Gascon	Building Officials Association of Florida
Larry Carnley	Building Officials Association of Florida
Dan Arlington	Building Officials Association of Florida
Jeffrey Stone	Building Products Industry
Do Kim	Structural Engineer

SCREEN ENCLOSURES WORKGROUP PROJECT CHRONOLOGY	
DATE	ACTIVITY
April 3, 2012	Workgroup Meeting I—Organizational Meeting and Review of Proposed Alternative (On-Site Meeting)
May 16, 2012	Workgroup Meeting II—Review Revised Proposed Alternative (Conference Call)
July, 2012	Workgroup Meeting III— Adopt final recommendations for submittal to Commission (Teleconference Meeting).
August 7, 2012	Rule Development Workshop (On-Site)
October 9, 2012	Rule Development Hearing, If Requested (On-Site)
January 2, 2013	Rule effective date

SUMMARY REPORT OF THE MAY 16, 2012 MEETING

OPENING AND MEETING ATTENDANCE

Jeff Blair, Commission Facilitator, welcomed participants and opened the meeting at 1:00 PM.

The following nine *Workgroup* members were present:

Dan Arlington, Peter Cocco, Dale Desjardins, Jamie Gascon, Jack Glenn, David Johns, Thomas Johnston, Do Kim, and Jeffrey Stone.

**Members participating by teleconference are italicized.*

Members Absent

Larry Carnley and Santos Gonzalez.

Commissioners Participating

Dick Browdy and Bob Boyer.

DCA Staff Present

Leslie Anderson-Adams, Joe Bigelow, Jim Hammers, Ila Jones, Mo Madani, Marilita Peters, and Jim Richmond.

Meeting Facilitation

The meeting was facilitated by Jeff Blair from the FCRC Consensus Center at Florida State University. Information at: <http://consensus.fsu.edu/>



PROJECT WEBPAGE

Information on the project, including agenda packets, meeting reports, and related documents may be found in downloadable formats at the project webpage below:

<http://consensus.fsu.edu/FBC/Screen-Enclosures-Workgroup.html>

AGENDA REVIEW AND APPROVAL

The Workgroup voted unanimously, 7 - 0 in favor, to approve the agenda as presented including the following objectives:

- To Approve Regular Procedural Topics (Agenda and Procedural Guidelines)
- To Review Proposed Alternative Screen Enclosure Design Draft Rule (Text) Revisions
- To Evaluate and Agree on Alternative Screen Enclosure Design Draft Rule (Text) Revisions
- To Discuss Any Outstanding Development and Implementation Issues
- To Consider Public Comment
- To Identify Needed Next Steps: Information, Assignments, and Agenda Items for Next Meeting

(Attachment II—May 16, 2012 Workgroup Agenda)

APPROVAL OF APRIL 3, 2012 FACILITATOR’S SUMMARY REPORT

The Workgroup voted unanimously, 8 - 0 in favor, to approve the April 3, 2012 Facilitator’s Summary Report as presented/posted.

Amendment(s):

None.

EVALUATION OF PROPOSED ALTERNATIVE SCREEN ENCLOSURE DESIGN DRAFT RULE REVISIONS PROPOSED BY MEMBERS

Subsequent to the April 3, 2012 meeting Workgroup members submitted proposed revisions to the Draft Rule to the Facilitator by the deadline of April 10, 2012 and their proposed revisions were compiled into a worksheet and distributed and posted. Jeff Blair explained that during the meeting (May 16, 2012) members will evaluate each of the proposed options to the Draft Rule text by ranking them for acceptability on a four-point scale where “4” = acceptable, “3” = minor reservations, “2” = major reservations, and “1” = unacceptable. The following scale was utilized for the ranking exercises:

ACCEPTABILITY RANKING SCALE	4= acceptable, I agree	3= acceptable, I agree with <i>minor reservations</i>	2= not acceptable, I don't agree unless <i>major reservations addressed</i>	1= not acceptable
------------------------------------	-------------------------------	--	--	--------------------------

Options ranked with a 75% or greater number of 4’s and 3’s in proportion to 2’s and 1’s shall be considered consensus recommendations. In general 4s and 3s are in favor of the option and 2s and 1s are opposed to the option. The proposed options were evaluated by draft Rule sections as follows: review of all options and comments relevant to the specific Rule section, questions and answers, public comment, members comments and discussion, consideration of any proposed revisions or additional options and acceptability ranking of options in turn. In addition, members were reminded to consider the written public comments distributed and posted prior to the meeting. This process was repeated for each section of the Rule in turn.

Following is the Draft Rule as revised by the Workgroup incorporating all consensus recommendations (options ranked and achieving a 75% or greater number of 4’s and 3’s in proportion to 2’s and 1’s). The Workgroup approved changes to the original proposed draft rule in strike underline format are included as “Attachment III” of this Report:

XX-X.001 Scope.

(1) The purpose of this Rule is to provide an alternate method for designing aluminum screen enclosures as defined by the Florida Building Code permitting the loads of the structural frame to be based on portions of the screen in the screen walls removed, retracted, moved to the open position or cut. The use of framing materials other than aluminum is allowed in accordance with section 104.11 of the Florida Building Code, Building. The method applies only to walls and roofs with 100% screen. The provisions of Chapter 1 of the Florida Building Code, Building shall govern the administration and enforcement of this Rule.

XX-X.002 Design Requirements.

- (1) Engineering criteria shall conform to the following:
 - a. Screen enclosure frames designed in accordance with the screen removal alternates of this rule, shall be designed using signed and sealed site-specific engineering and shall be designed in accordance with the wind load provisions of the Florida Building Code, Section 1609.1.1.
 - b. Designs that consider these screen alternates shall comply with Florida Building Code, Building, Section 2002.4 and Table 2002.4 using the 110 mph column and as modified by Table 2002.4 with all screen panels in place.
 - c. Designs using strength design or load and resistance factor design in accordance with the Florida Building Code, Building Section 1605.2, or allowable stress design methods of the Florida Building Code, Building, Section 1605.5.3.1 shall be permitted.
 - d. The design shall be by rational analysis or by 3D Finite Element Analysis. Either method will be acceptable.
- (2) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, removable screen may consist of removable panels, retractable panels, or by designating specific screen panels in the design in which the screen is to be removed by cutting the screen. Removable panels shall be removed, retractable panels shall be placed in the retracted position without increasing the load on the affected area. Screen designated in the design to be cut shall be completely cut when wind speeds are forecast to exceed 75 mph.
- (3) Where screen enclosures designed in accordance with the screen removal alternates of this rule serve as the barrier required by the Florida Building Code at Sections 424.2.17 and R4101.17.1, the required minimum height of the barrier shall be maintained when screen panels are retracted, removed, moved to the open position, or cut.
- (4) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, retractable screen panels, removable screen panels, and screen panels identified to be cut shall be clearly identified on adjacent structural members with highly visible permanent labels, at each panel, or by other means approved by the local building department.
- (5) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, the retraction of screen panels, removal of screen panels, or cutting of screen panels shall not require the use of ladders or scaffolding.
- (6) Engineering documents submitted with building permit applications shall identify the panels to be removed, retracted, opened, or cut.
- (7) Where screen enclosures are designed in accordance with the screen removal alternates of this rule based on removing screen panels by cutting the screen, the contractor shall provide replacement screen for a one-time replacement of all screen and spline designated by the design to be cut.

(8) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, the contractor shall provide written notice to the owner and the local building code enforcement department that the owner must retract, remove, or cut a panel or panels of the screen enclosure in accordance with the project engineering design or the manufacturer's instructions when wind speeds are expected to exceed 75 mph.

The complete results of the options evaluation and ranking exercise are included as "*Attachment III*" of this Report.

(Attachment III—Options Ranking Exercise Results)

GENERAL PUBLIC COMMENT

Members of the public were invited to provide the Workgroup with comments. Members of the public were also provided opportunities to speak on each of the substantive discussion issues before the Workgroup.

There were no additional public comments offered.

Public comment submitted in writing are posted to the project webpages as follows:

<http://consensus.fsu.edu/FBC/Screen-Enclosures-Workgroup.html>

NEXT STEPS

A clean draft of the proposed rule will be compiled based on the Workgroup's consensus recommendations and distributed and posted. The Workgroup will meet one final time after July 1, 2012 to formally adopt the package of consensus recommendations for submittal to the Structural TAC and Florida Building Commission. Once approved the Commission will initiate rule development to comply with the schedule and timelines prescribed in statute. The final meeting will be scheduled by teleconference for July of 2012. The exact date and an agenda will be posted and distributed in advance of the meeting.

ADJOURN

The Workgroup voted unanimously, 9 - 0 in favor, to adjourn at 3:26 PM.

ATTACHMENT I
MEETING PARTICIPATION—PUBLIC

PUBLIC MEETING ATTENDANCE	
NAME	REPRESENTATION
<i>Steven Sincere</i>	Professional Engineer
COMMISSION MEMBERS	
<i>Dick Browdy</i>	Commission Chair
<i>Bob Boyer</i>	Commissioner/Local Government
<i>*Participants participating by teleconference are italicized.</i>	

ATTACHMENT II
WORKGROUP AGENDA—MAY 16, 2012

WORKGROUP MEETING OBJECTIVES

- To Approve Regular Procedural Topics (Agenda and Summary Report)
- To Review Proposed Alternative Screen Enclosure Design Draft Rule (Text) Revisions
- To Evaluate and Agree on Alternative Screen Enclosure Design Draft Rule (Text) Revisions
- To Discuss Any Outstanding Development and Implementation Issues
- To Consider Public Comment
- To Identify Needed Next Steps, Assignments, and Agenda Items For the Next Meeting

MEETING AGENDA—WEDNESDAY, MAY 16, 2012

All Agenda Times—including Adjournment—are Approximate and Subject to Change

<i>1:00</i>	A.)	Welcome and Opening
	B.)	Agenda Review and Approval
	C.)	April 3, 2012 Facilitator’s Summary Report Review and Approval
	D.)	Review of Proposed Alternative Screen Enclosure Design Draft Rule (Text) Revisions Proposed By Members
	E.)	Evaluation of Proposed Alternative Screen Enclosure Design Draft Rule (Text) Revisions Proposed By Members
	F.)	Discussion of Any Outstanding Development and Implementation Issues Regarding Alternative Screen Enclosure Design Provisions
	G.)	General Public Comment
	H.)	Next Steps and Agenda Items for Next Meeting <ul style="list-style-type: none"> • Review action items and assignments • Identify agenda items for next meeting (July 2012) • Identify any needed information and/or background documents
	I.)	<i>Adjourn</i>

ATTACHMENT III
OPTIONS RANKING EXERCISE RESULTS

ACCEPTABILITY RANKING EXERCISE RESULTS

During the meeting members were asked whether there are additional revisions they would like the Workgroup to evaluate, and to develop and rank proposed revisions, and following discussions and refinements, may be asked to do additional rankings of the proposed revision(s) if requested by a Workgroup member. Members should be prepared to offer specific refinements to address their reservations. The following scale will be utilized for the ranking exercises:

ACCEPTABILITY RANKING SCALE	4= acceptable, I agree	3= acceptable, I agree with <i>minor</i> reservations	2= not acceptable, I don't agree unless <i>major</i> reservations addressed	1= not acceptable
------------------------------------	-------------------------------	--	--	--------------------------

During Workgroup Meeting on May 16, 2012:

For each of the draft rule sections, members were asked to review existing proposed revisions (if any) and invited to propose additional revisions for Workgroup consideration. A preliminary list of revisions was provided by members, and the Workgroup was encouraged add any additional revisions they deem appropriate. Once ranked, revisions with a 75% or greater number of 4's and 3's in proportion to 2's and 1's are considered consensus recommendations and the draft rule revised accordingly. The Worksheet results that follow include options submitted prior to the meeting and options proposed during the meeting. The Workgroup's consensus recommendations will be submitted to the Commission for consideration and subsequent rule development.

KEY TO SYMBOLS	
SYMBOL	MEANING OF SYMBOL
⊖	Revision proposed to this section of the draft rule.
©	Comment on this section of the draft rule.

PROPOSED RULE TO IMPLEMENT ALTERNATE DESIGN METHOD FOR SCREEN ENCLOSURES
CHAPTER XX-X
SCREEN ENCLOSURES

Proposed Revision to “Scope” Section and Comment:

XX-X.001 Scope.

- (1) **The** This purpose of this rule is to provide an alternate method for designing screen enclosures as defined by the Florida Building Code permitting the loads of the structural frame to be based on portions of the screen in the screen walls removed.

⊖ The purpose of this rule is to provide an alternate method for designing screen enclosures as defined by the Florida Building Code permitting the loads of the structural frame to be based on portions of the screen in the screen walls removed, **retracted, moved to the open position or cut.**

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking</i> <i>05/16/12</i>	0	7	2	0

This option was approved by a ranking of 7 – 2 or 78% in favor.

The purpose of this Rule is to provide an alternate method for designing **aluminum** screen enclosures as defined by the Florida Building Code permitting the loads of the structural frame to be based on portions of the screen in the screen walls removed, retracted, moved to the open position or cut. **The use of framing materials other than aluminum is allowed in accordance with section 104.11 of the Florida Building Code, Building.**

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking</i> <i>05/16/12</i>	7	2	0	0

This option was approved by a ranking of 7 – 2 or 78% in favor.

“Aluminum” was added by a vote of 9 - 0 in favor.

⊖ The method applies only to walls and roofs with 100% screen. No vinyl, acrylic, or other solid surface wind-break or roof panel can be used with this method.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking</i> <i>05/16/12</i>	2	3	2	2

This option was not approved, by a ranking of 5 – 4 or 56% in favor, for failure to achieve the 75% or greater in favor threshold voting requirement.

⊖ The method applies only to walls and roofs with 100% screen.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking 05/16/12</i>	8	1	0	0

This option was approved by a ranking of 9 – 0 or 100% in favor.

The provisions of Chapter 1 of the FBC, Building shall govern the administration and enforcement of this Rule.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking 05/16/12</i>	9	0	0	0

This option was approved by a ranking of 9 – 0 or 100% in favor.

Comment on “Scope”:

⊙The language should be clear that all other relevant code provisions of the FBC apply to this method, including plan review and inspections.

XX-X.002 Design Requirements.

(1) Engineering criteria shall conform to the following.

Proposed Revision to Section a. and Comment:

- a. Screen enclosure frames designed in accordance with the screen removal alternates of this rule, shall be designed using signed and sealed site-specific engineering and shall be designed in accordance with the wind load provisions of the Florida Building Code, Section 1609.1.1.

⊖ (a.)Screen enclosure frames designed in accordance with the screen removal alternates of this rule, shall be designed using signed and sealed site-specific engineering and shall be designed in accordance with Florida Building Code, Chapter 1, Administration and the wind load provisions of the Florida Building Code, Section 1609.1.1.

Members agreed that this was handled by revisions approved to the Scope section and there was no need for this provision. No ranking was taken.

Comment on (a.):

©A minimum percentage or area of screen to be removed should be stated for all designs, including 1, 2, 3 and 4 sided structures.

This proposal/comment with withdrawn by the proponent as too general. No ranking was taken.

Proposed Revision to Section b. and Comments:

b. Designs shall comply with Florida Building Code, Building, Section 2002.4 and Table 2002.4 using the 110 mph column and as modified by Table 2002.4A.

Øb. Designs **that consider these screen alternates** shall comply with Florida Building Code, Building, Section 2002.4 and Table 2002.4 using the 110 mph column and as modified by Table 2002.4A **with all screen panels in place.**

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking 05/16/12</i>	6	3	0	0

This option was approved by a ranking of 9 – 0 or 100% in favor.

Comments on (b.):

©What if this is a wood frame screen enclosure or other alternative material other than aluminum?

©The definition of “Screen Enclosure” includes walls and/or roof with vinyl, acrylic, or other solid surface wind breaks. A stipulation should be included for screen only.

This proposal/comment with withdrawn by the proponent as an issue already discussed.

c. Designs using strength design or load and resistance factor design in accordance with the Florida Building Code, Building Section 1605.2, or allowable stress design methods of the Florida Building Code, Building, Section 1605.5.3.1 shall be permitted.

There were no revisions proposed to this section.

Proposed Revisions to Section d.:

d. The design shall be by rational analysis. In addition, 3D Finite Element Analysis may be used as an analytical method but is not required for the determination of forces and moments.

Ød. The design shall be by rational analysis or by 3D Finite Element Analysis. Either method will be acceptable.

The design shall be by rational analysis. In addition, 3D Finite Element Analysis may be used as an analytical method but is not required for the determination of forces and moments.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking 05/16/12</i>	2	6	1	0

This option was approved by a ranking of 8 – 1 or 89% in favor.

Ød. The design shall be by rational analysis, and 3D Element Analysis is not required.

The design shall be by rational analysis. In addition, 3D Finite Element Analysis may be used as an analytical method but is not required for the determination of forces and moments.

This proposal with withdrawn by the proponent.

Proposed New Section: e.

Øe. Designs that consider these screen alternates shall also comply with Florida Building Code, Building, Section 2002.4 and Table 2002.4 using the applicable mph column and as modified by Table 2002.4A without the influence of designated screen panels.

This proposal with withdrawn by the proponent.

Proposed Revisions to Section (2) and Comment:

- (2) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, removable screen may consist of removable panels, retractable panels, or by designating specific screen panels in the design in which the screen is to be removed by cutting the screen. Removable panels shall be removed, retractable panels shall be placed in the retracted position, and screen designated in the design to be cut shall be cut shall be completely cut when wind speeds are forecast to exceed 75 mph.

⊖(2) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, removable screen may consist of removable panels, retractable panels, or by designating specific screen panels in the design in which the screen is to be removed by cutting the screen. Removable panels shall be removed, retractable panels shall be placed in the retracted position, and screen designated in the design to be cut shall be **cut shall** be completely cut when wind speeds are forecast to exceed 75 mph.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking 05/16/12</i>	9	0	0	0

This option was approved by a ranking of 9 – 0 or 100% in favor.

⊖(2) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, removable screen may consist of removable panels, retractable panels, or by designating specific screen panels in the design in which the screen is to be removed by cutting the screen. Removable panels shall be removed, retractable panels shall be placed in the retracted position without increasing the screen density of any other screen panel, and screen designated in the design to be cut shall be cut shall be completely cut when wind speeds are forecast to exceed 75 mph.

Members agreed to revise some alternative to above language and rank that instead (below).

⊖ (2) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, removable screen may consist of removable panels, retractable panels, or by designating specific screen panels in the design in which the screen is to be removed by cutting the screen. Removable panels shall be removed, retractable panels shall be placed in the retracted position **without increasing the load on the affected area. and Screen** designated in the design to be cut shall be completely cut when wind speeds are forecast to exceed 75 mph.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking 05/16/12</i>	7	2	0	0

This option was approved by a ranking of 9 – 0 or 100% in favor.

⊖(2) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, removable screen may consist of removable panels, retractable panels, or by designating specific screen panels in the design in which the screen is to be removed by cutting the screen. Removable panels shall be removed, retractable panels shall be placed in the retracted position, and screen designated in the design to be cut shall be ~~completely cut when wind speeds are forecast to exceed 75 mph~~ cut horizontally along the length of the chair rail and vertically against each column to the maximum height possible without the use of a ladder or scaffolding when winds are forecast by the National Hurricane Center to be in excess of 75mph.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking 05/16/12</i>	0	2	5	2

This option was not approved, by a ranking of 2 – 7 or 22% in favor, for failure to achieve the 75% or greater in favor threshold voting requirement.

⊖(2) All screen panels on all walls, from the top of wall to four (4) feet above the enclosure floor must be cut or removed.

This proposal with withdrawn by the proponent.

Comments on (2):

© Minimum signs or placards should be specified.

No action taken on comment.

(3) Where screen enclosures designed in accordance with the screen removal alternates of this rule serve as the barrier required by the Florida Building Code at Sections 424.2.17 and R4101.17.1, the required minimum height of the barrier shall be maintained when screen panels are retracted, removed, moved to the open position, or cut.

There were no revisions proposed to this section.

Proposed Revisions to Section (4) and Comment:

(4) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, retractable screen panels, removable screen panels, and screen panels identified to be cut shall be clearly identified with highly visible permanent labels or by other means approved by the local building department.

⊖ (4) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, retractable screen panels, removable screen panels, and screen panels identified to be cut shall be clearly identified **on adjacent structural member** with highly visible permanent labels or by other means approved by the local building department.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking 05/16/12</i>	8	1	0	0

This option was approved by a ranking of 9 – 0 or 100% in favor.

⊖ (4) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, retractable screen panels, removable screen panels, and screen panels identified to be cut shall be clearly identified with highly visible permanent labels, at each panel, or by other means approved by the local building department.

Withdrawn by proponent in favor of previous action.

Comments on (4):

⊙ Minimum size, clarity and permanence of signs or placards should be specified.

No action taken on comment.

Proposed Revision to Section (5):

(5) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, the retraction of screen panels, removal of screen panels, or cutting of screen panels shall not require the use of ladders or scaffolding.

⊖ Cutting screen panels can only be approved up to eight (8) feet above the enclosure floor. Other methods of removing the screen must be specified over eight (8) feet above the enclosure floor.

This proposal with withdrawn by the proponent.

Proposed Revisions to Section (6):

(6) Engineering documents submitted with building permit applications shall identify the panels to be removed, retracted, opened, or cut.

⊖ Engineering documents submitted with building permit applications shall identify the panels to be removed, retracted, opened, or cut, and a minimum percentage or area.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking</i> <i>05/16/12</i>	0	4	2	3

This option was not approved, by a ranking of 4 – 5 or 44% in favor, for failure to achieve the 75% or greater in favor threshold voting requirement.

⊖ All screen panels on all walls, from the top of wall to four (4) feet above the enclosure floor must be cut or removed.

This proposal with withdrawn by the proponent.

Proposed Revision to Section (7):

(7) Actual wall thickness of extruded structural aluminum members shall be not less than 0.040 inch (1mm).

⊖ ~~Actual wall thickness of extruded structural aluminum members shall be not less than 0.040 inch (1mm).~~ [Covered in FBC 2002.3.1.] {Proposed to delete this section as unnecessary}

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking</i> <i>05/16/12</i>	6	2	0	1

This option was approved by a ranking of 8 – 1 or 89% in favor.

(8) Where screen enclosures are designed in accordance with the screen removal alternates of this rule based on removing screen panels by cutting the screen, the contractor shall provide replacement screen for a one-time replacement of all screen and spline designated by the design to be cut.

There were no revisions proposed to this section.

Proposed Revisions to Section (9) (closing Section):

(9) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, the contractor shall provide notice to the homeowner and the local building code enforcement department that the homeowner must retract, remove, or cut a panel or panels of the screen enclosure in accordance with the project engineering design or the manufacturer’s instructions when wind speeds are expected to exceed 75 mph.

⊖ (9) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, the contractor shall provide notice to the property owner ~~homeowner~~ and the local building code enforcement department that the property owner ~~homeowner~~ must retract, remove, or cut a panel or panels of the screen enclosure in accordance with the project engineering design or the manufacturer’s instructions when wind speeds are expected to exceed 75 mph.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking</i> <i>05/16/12</i>	0	0	5	4

This option was not approved, by a ranking of 0 – 9 or 0% in favor, for failure to achieve the 75% or greater in favor threshold voting requirement.

⊖ (9) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, the contractor shall provide notice to the property owner ~~homeowner~~ and the local building code enforcement department that the property owner ~~homeowner~~ must retract, remove, or cut a panel or panels of the screen enclosure in accordance with the project engineering design or the manufacturer’s instructions when wind speeds are expected to exceed 75 mph.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking</i> <i>05/16/12</i>	9	0	0	0

This option was approved by a ranking of 9 – 0 or 100% in favor.

⊖ An affidavit, describing the “less strict engineering method” and signed by the home owner must be submitted with the Permit Application.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking</i> <i>05/16/12</i>	1	3	2	3

This option was not approved, by a ranking of 4 – 5 or 44% in favor, for failure to achieve the 75% or greater in favor threshold voting requirement.

⊖ (9) Where screen enclosures are designed in accordance with the screen removal alternates of this rule, the contractor shall provide **written** notice to the ~~property owner~~ ~~homeowner~~ and the local building code enforcement department that the ~~property owner~~ ~~homeowner~~ must retract, remove, or cut a panel or panels of the screen enclosure in accordance with the project engineering design or the manufacturer's instructions when wind speeds are expected to exceed 75 mph.

	<i>4=acceptable</i>	<i>3= minor reservations</i>	<i>2=major reservations</i>	<i>1= not acceptable</i>
<i>Initial Ranking 05/16/12</i>	9	0	0	0

This option was approved by a ranking of 9 – 0 or 100% in favor.