

Madani, Mo

To: Diana W
Subject: RE: Proposed Code Changes

Begin forwarded message:

From: Joseph Crum <jcrum46@yahoo.com>
Date: October 3, 2018 at 5:22:12 PM CDT
To: "livinginnaples@gmail.com" <livinginnaples@gmail.com>
Subject: Proposed Code Changes

Commissioner Worrall, PhD,
Attached is a chart showing the changes that I have requested to be pulled for individual consideration for inclusion in the Florida Building Code. I have had a chance to do more review, since providing the list to Mo, and I am withdrawing some of the changes that I discovered have some flaws that need to be resolved, have already been incorporated in the FBC or the FBC as written is better than the proposed change. Unfortunately when I was trying to get them in before September the 3rd I overlooked these issues. I have reviewed all of the changes again and they are simply updates to reference standards or code clarifications.

I have been a code official since 1983 and feel that our goal should be to keep the Florida Codes Current and maintain the proper updates in standards for the benefit of the public we serve. We also need to correct any mistakes that may have been overlooked in the past, make corrections to make the code as clear as possible for both the contractors who use the codes and the code officials that need to enforce the codes. I have tried to be careful not to request anything that would not be beneficial to the people effected and that would create unnecessary cost or create unreasonable requirements that are not needed.

I know you have a major task to review everything that is being requested, to be sure it is in the best interest of the citizens of Florida and maintain a code that provides the best safety and protection for the built environment. I feel we have done a great job doing this so far and do not want to see it take any steps backward or not provide the proper updates to the codes. Unfortunately, I think this new process caught a lot of us off guard and we sort of fell asleep at the wheel and did not do a good job of reviewing these changes at the TAC level.

Please let me know if you have any questions and I will do my best to answer any questions or provide additional information if needed.

I will see you at the meeting in Sarasota.

Sincerely,

Joe Crum

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PROPOSED CODE CHANGES TO PULL FOR INDIVIDUAL CONSIDERATION BY JOE CRUM.

Proposed Change	Criteria	Proposed Action	ICC ACTION	Reason	Cost Impact
ADM1-16 Part I		W		This definition has already been updated in the FBC	
ADM1-16 Part IV		W		This definition has already been updated in the FBCR	
	f	AM	AM	The modification makes the definition of 'building' in the IBC, IFC, IWUIC and IZC consistent with the revised language in original proposal. The definition for 'building' should be in the IEBC for consistency between all the codes. The term "utilized" is a better descriptor than "occupied." Changing this in the IEBC, IPC and IMC, along with the modification, will improve consistency in the codes.	No added cost
ADM8-16 Part I					
	f	AM	AM	This proposal describes the types of structures that are unique to the IRC as opposed to any use or occupancy that would be in other codes. It also eliminates "or design" which is unnecessary terminology for the definition.	No added cost
ADM8-16 Part II					
	f	AS	AS	Deleting the definition for "load bearing element" eliminates a definition of a term that is not used in the IBC	No added cost
ADM17-16 Part I					
ADM17-16 Part 2				The term defined is not used in the IRC	
	f	AP		Adds much needed sections to the solar energy system section. Provides for enhanced safety features and clarification	May add cost to provide added safety features.
G211-15					
	f	AP	AS	Standard update only	No added cost
	f	AP		This establishes a code reference section for Greenhouses which is needed for Florida as we have many Greenhouses. Recommend an editorial change to change the chapter number to 3115 due to the IBC	No added cost
G222-16					

					Chapter 31 existing chapter section numbering.	
G2-16 Part II	f	AM	AM		Improves definition of Conventional Light Frame Construction as modified by the committee.	No added cost
G7-16 Part I	f	AS	AS		Adds clarity to the definition of drilled shaft	No added cost
G9-16 Part II	f	AS	AS		Provides a clearer definition for Fenestration	No added cost
G10-16 Part I	f	AS	AS		Improves definition of skylights and sloped glazing in the IBC.	No added cost
G10-16 Part II		W	AS		Same as already in FBCEEC	
G14-16 Part IV	f	AM	AM		As modified by the committee this improves the definition of roof assembly. This should also be correlated and put in the IBC.	No added cost
	f	AM	AS		The proposal reduces redundancy in the code and simplifies the search for information. The code change was further modified by public comment to make sleeping accommodations a mandatory feature of a sleeping unit.	No added cost
G22-15						
	f	AS	AS		This proposal makes editorial revisions that clarify the intent of the definition and facilitate its implementation. For IBC - The term 'substantial structural damage' was used in Chapter 34. It should have been deleted from the IBC when Chapter 34 was removed.	No added cost
G21-16					For IEBC - The edit changes "this code" to "the IBC." The current language is an obsolete holdover from the version of the definition that went with IBC Chapter 34	
	f	AS	AS		The proposal clarifies the definition of "substantial structural damage" by replacing "supports" with "tributary area". This corrects a problem by substituting terminology that engineers have little trouble applying.	No added cost
G24-16	f	AS	AS		This proposal revises the definition of "vegetative roof" so that it correlates with ASTM D1079	No added cost
S1-16	f	AM	AM		Removes the balcony requirements from chapter 15 as	No added cost

				they have been moved to chapter 7. Clarifies scoping	
S7-15	f	AS	AS	This change clarifies and improves the code.	No added cost
S7-16		AM	D	This change clarifies the intent of the code when a balcony or elevated walking surface serves as a weather resistant barrier and the joist spaces below are enclosed, cross ventilation is required as for enclosed rafter spaces of roofs. The code change was further modified by public comment. The public comment removed the provision for providing ventilation opening that allow inspection for decay.	No added cost
S9-15		AS	AS	This deletes repetitive, redundant material that serves no purpose in the code.	No added cost
S9-16	f	AM	AM	The proposal adds an alternative referenced standard for determining the overturning resistance of clay and concrete roof tiles. The modification clarifies that you still have to comply with Chapter 15 as well as one of the referenced standards.	No added cost
S11-16	f	AM	AM	There is some confusion and stating that allowable stress design is permitted to be used for roof coverings will help clarify this. Doing so will assist architects, building officials and the roofing industry. The modification provides the clarification that allowable stress design is permitted and that it is an option, not mandatory	No added cost
S40-16	f	AS	AS	This proposal is making needed updates to outdated AWP/A section references.	No added cost
S43-16 Part I	f	AS	AS	This change introduces terminology that is more consistent with industry. The committee also suggests a public comment to replace "shall be permitted".	No added cost
S44-16	f	AS	AS	This proposal provides an additional option for spray-applied polyurethane foam insulation by adding a referenced standard which coordinates this section with the IRC..	No added cost
S56-16	f	AM	AM	This proposal updates the IBC wind load provisions for	No added cost

				coordination with the latest edition of the referenced standard, ASCE 7 which was updated in ADM94-16. These terminology updates are very important to capture in the IBC. The modification picks up additional coordination with IBC wind requirements.	
S58-16	f	AS	AS	In order to use the tables for conventional light-frame construction provisions, the dead load is needed. This should be indicated on the construction documents for the building official to review.	No added cost
S62-16	f	AM	AM	Including equipment loading, etc. in the construction documents is desirable. The modification makes this information required in the construction documents, rather than specifically on the drawings.	No added cost
S76-16	f	AS	AS	This change provides an exception so an entire building does not have to be classified as a Risk Category IV just to put in a storm shelter unless it is designated as an emergency shelter.	No added cost
S89-16	f	AS	AS	Reason in the tracking chart	No added cost
S109-16	f	AS	AS	This proposal updates the IBC alternative all heights provisions for coordination with the latest edition of the referenced standard ASCE 7	No added cost
S126-16	f	AS	AS	This editorial change clarifies the applicability of these provisions to bearing wall structures and frame structures.	No added cost
S167-16	f	AS	AS	This proposal make it clear that excavations must not reduce vertical support as well as lateral support.	No added cost
S174-16	f	AM	AM	This code change provides clarification on the question of site grading requirement versus maximum slopes permitted for accessibility. The modification place the new text in an exception, which is more appropriate.	No added cost
S205-16	f	AS	AS	This proposal will clarify combined pile rafts which is a type of system that is widely used. Doing so will reduce ambiguity in terms of its application.	No added cost

S215-16	f	AS	AS	Removing the term "working" is a good clarification and these changes will reduce confusion.	No added cost
S221-16	f	AS	AS	This code change coordinates the text of this section with Section 1810.3.5.2.1.	No added cost
S222-16	f	AS	AS	This code change coordinates the text of this section with that of Section 1810.3.5.2 and also removes an unenforceable term.	No added cost
S237-16	f	AS	AS	The proposed change appropriately makes the requirement applicable to more situations.	No added cost
S243-16, Part 1 & Part II	f	AS	AS	This code change removes an unnecessary definition which also included a referenced standard that has been withdrawn.	No added cost
				This proposal updates the standard for autoclaved aerated concrete by deleting a withdrawn standard and adding two new standards for this product.	No added cost
S244-16	f	AS	AS	Adding these referenced standards for architectural cast stone fills the information gap on the design, fabrication and installation of this nonstructural masonry system.	No added cost
S248-16	f	AS	AS	This code change removes a requirement that is now covered in the latest edition of the referenced standard for masonry design.	No added cost
S252-16	f	AS	AS	This proposal adds the latest versions of AISI cold-formed steel referenced standards.	This change may increase the cost of construction due to updated standard requirements
S253-16	f	AS	AS	This proposal removes an obsolete requirement for steel cable from the code.	No added cost
S265-16	f	AS	AS	This proposal provides a clarification of the labeling of fire-retardant-treated wood that aides verification in the	No added cost

				field.	
S271-16	f	AS	AS	The table notes are redundant and should be removed	No added cost
S275-16	f	AS	AS	This code change adds an option for fasteners in corrosive environments by adding stainless steel staples.	No added cost
S279-16		W	D	After further research this needs more work and clarification.	
S280-16	f	AS	AS	This code change makes the code provisions clearer by removing redundant language and coordinating wording with other code sections.	No added cost
S288-16	f	AS	AS	These updates to the header and girder span for interior bearing walls reflect Southern Pine No. 2 design values and provide clearer direction on lateral bracing requirements.	May increase the cost of construction due to reduced spans.
S289-16	f	AS	AS	This proposal updates the header and girder span table for exterior walls in a manner similar to S288-16	May increase the cost of construction due to reduced spans.
S294-16	f	AS	AS	There is a difference between a guard and guardrail. This proposal clarifies these code provisions by substituting guard which is the code-defined term defined in the IBC.	No added cost
S300-16 Part II (This is not in the no action tracking charts)	f	AM	AM	The modification corrects the reference standard number. With the modification this is a good code change that add a new standard for expandable foam adhesive.	No added cost
S302-16	f	AM	AM	This proposal adds an option to address inward moisture drive issues in various climate zones. It also provides the universal solution of providing a vented air space. The modification eliminates an arbitrary limit on vapor permeance and limits the climate zones where it applies.	No added cost
EB12-16	f	AM	AM	This code change removes redundant provisions on live	No added cost

				loads and consolidates them in Chapter 3. The modification further clarifies the live load provision, incorporating current wording.	
EB13-16	f	AS	AS	This proposal corrects an omission by adding a necessary reference to IBC in-situ testing criteria.	No added cost
EB14-16	f	AS	AS	This change relocates the provision on dangerous condition to Chapter 3, providing a clear path for addressing dangerous conditions.	No added cost
EB17-16	f	AS	AS	This code change correlates the IEBC work area method provisions with those of the prescriptive method that apply to additions.	No added cost
EB18-16	f	AM	AM	This proposal modification provides correlation between the prescriptive and work area methods, improving upon the current wording so that the requirements are more understandable. The modification corrects mistakes in the original proposal.	No added cost
EB19-15	f	AS	AS	This proposal was editorial in nature and the phrase "complying with" is preferred over "conforming to."	No added cost
EB19-16	f	W	D	The committee believes that the code should not be regulating construction loads as was proposed. Furthermore, the committee is supportive of removing other similar requirements from the IEBC.	No added cost
EB26-16	f	AS	AS	This proposal makes editorial changes to the IEBC requirements for unreinforced masonry that improve the clarity of these provisions. It furthers the correlation between the prescriptive method provisions and those of the work area method.	No added cost
EB36-16	f	AS	AS	This proposal coordinates the provisions of the prescriptive method with those of the work area method with respect to change in use.	No added cost
EB42-16	f	AM	AM	This code change as modified provides better clarity by eliminating duplication and relocating criteria for new structural members.	No added cost

EB44-16	f	AS	AS	This proposal clarifies the requirements for lateral force-resisting elements by correctly referring to "vertical" elements.	No added cost
EB48-16	f	AS	AS	This code change clarifies the IEBC by removing confusing verbiage, because it is agreed that level 3 alterations should require compliance with Section 907.	No added cost
EB49-16	f	AS	AS	This code change provides needed clarifications, simplifications and reorganization of Section IEBC 907.	No added cost
EB51-16	f	AS	AS	The proposal corrects a mistake in the current reference to risk categories	No added cost
EB52-16	f	AS	AS	In addition to cleaning up the terminology in these sections, changing the requirement for access to Risk Category IV buildings is appropriate for all loading provision, not just earthquake.	No added cost
EB53-16	f	AS	AS	This code change removes two code sections under additions that are not needed. The first one [1103.1] is redundant and the second [1103.3.3] is not appropriate under additions.	No added cost
EB6-16	f	AS	AS	It is preferable to provide a definition of "substantial structural alteration" rather than rely on the de facto definition currently in Section 907.4.2.	No added cost
EB68-15 Part I		W		Upon further study this change will increase cost and more study is needed to decide if the protection from tornados is needed to this extent in Florida. Current codes protect against hurricane forces which is more prevalent in Florida.	
EB68-15 Part II		W		Same as Part I	
RB2-16	f	AS	AS	This clarifies that code by separating something that is accessible from something that is accessed.	No added cost
RB6-16	f	AS	AS	A crawspace is something that is not a basement and this proposal makes that clear.	No added cost
RB164-16	f	AS	AS	This proposal correlates and organizes the provisions in	No added cost

				the code.	
RB165-16	f	AS	AS	This change provides good clarification of the design loads for roofs supporting photovoltaic panel systems.	No added cost
RB172-16	f	AS	AS	The modification limits the application to areas other than habitable spaces in dwelling units. This technology already exists and we need something to move it forward in a safe way.	No added cost
RB179-16	f	AS	AS	This change aligns the insulation types with ASCE 32 and the IBC.	No added cost
RB181-16	f	AM	AM	The original proposed figure was too restrictive however the modification for this proposal updates the figure to add the dimension T for the footing thickness. The modification reverts the figure to the original with dimension T added.	No added cost
RB184-16	f	AS	AS	Modifies text of figure R403.4 (2) "basement or crawl space with precast foundation wall on spread footing". This proposal updates the figure to add the dimension T for the footing thickness.	No added cost
RB187-16	f	AS	AS	Modifies text of Section R408.3 "Unvented crawl space". This code change allows another means of conditioning and controlling moisture, specifically dehumidification.	No added cost & may reduce cost depending on the method used.
RB192-16	f	AM	AM	This change provides better organization of this section for current construction techniques. The modification improves the organization and the terminology.	No added cost
RB200-16		W	D	After further review needs more work and clarification.	
RB201-16		W	D	After further review needs more work and clarification.	
RB206-16	f	AS	AS	This code change provides the specifications for when a freestanding deck can be constructed on precast concrete pier blocks at grade.	No added cost

RB207-16	f	AS	AS	This code change provides prescriptive language and a table for determining the minimum size and depth of deck footings based on tributary area, live load and soil bearing pressure. It provides the size based on either square or cylindrical footings.	No added cost
RB208-16	f	AS	AS	This code change provides prescriptive language for where the minimum size and depth of deck footings can be found, namely in Chapter 4. It also copies an exception from R403.1.4.	No added cost
RB209-16	f	AS	AS	This is a good update to this section as it allows alternative decking material and fastener systems.	No added cost
RB210-16	f	AS	AS	This change provides clarity for freestanding decks. It adds Figure R507.6 "Typical Deck Joist Spans". Modifies the joist text, replaces the figure, and amends a table.	No added cost
RB212-16	f	AS	AS	This code proposal relocates the deck post section. Also, it adds 8x8 posts to the table. It improves and clarifies the code by the relocation of the table and adding the 8x8 post.	No added cost
RB213-16	f	AS	AS	This proposal relocates the deck post section and also adds a needed change that prohibits certain soils surrounding the deck post from providing the lateral support at the bottom.	No added cost
RB214-16	f	AS	AS	This code change eliminates the wording that posts have to bear on footings. It also allows alternate methods to be used for deck footings.	No added cost
RB217-16	f	AM	AM	The proposal adds a new standard and clarifies and cleans up several sections of the SIPS (Structural insulated panels) requirements. The modification corrects several errors that occurred during the proposal submittal process.	No added cost
RB218-16	f	AM	AM	This provides improvement to the code by moving confusing requirements from the exception into a table. Also, it allows more flexibility as regards two stories. The	No added cost

				modifications adds the term maximum to the headings for clarity and provides a footnote that adds clarification for the load condition used for the table.	
RB219-16	f	AS	AS	Modifies text of Table R602.3 (1) "FASTENING SCHEDULE", Revises length of the 10d Common nail, changes to top plate splice nailing. Added bridging to joists. Change to add 7/16" crown	No added cost
RB220-16	f	AS	AS	Modifies text of Table R602.3 (1) This proposal adds a new ring shank nail for roof sheathing that provides improved withdrawal. The nail has been standardized in ASTM F1667.	No added cost
RB221-16	f	AM	AM	The proposal aligns the roof sheathing nail spacing with the ASCE 7-10 loading and provides an allowable cantilever for the sheathing past the gable end. The modifications deleted the terms end zones and eaves to avoid confusion with edges and added a reference to the sheathing installation table.	No added cost
RB264-16	f	AS	AS	The proposal adds an appropriate new standard for a specific gypsum panel product.	No added cost
RB265-16	f	AS	AS	The new standard merged 6 standards into one and eliminated the need to reference some standards since the requirements are in the new standard.	No added cost
RB280-16	f	AS	AS	The change to the word cladding improves the wording of the code. Also the last sentence is deleted as it does not belong the section of the code	No added cost
RB282-16		W	AM	After further review Florida has made Florida specific changes to this chapter that is better than this change.	
RB283-16	f	AS	AS	This change clarifies the horizontal application and lapping only applies to No. 15 felt. It also distinguishes requirements for other approved water resistive barriers (WRBs) to improve application and enforceability.	No added cost
RB284-16	f	AS	AS	This removes an exception that should not be in the	No added cost

				code. The siding manufactures installation instructions require the WRB regardless of the building use.	
RB296-16	f	AS	AS	This proposal updates and brings information from the referenced standards into the text and tables.	No added cost
RB303-16		W	D	After further review exposure B is needed and is not included in the new chart. This is a good idea but needs more work and tweaking.	
RB307-16		W	AM	After further review I do not feel this change is needed as proposed at this time. FBCR is ok as it is written at this time. This may be revised and brought back at another time.	
	f	AS	AS	This proposal updates the table values to a consistent rounding approach by rounding the values down to the nearest 0.05" to address actual thicknesses of foam sheathing materials that often vary from nominal dimensions such as 0.5", 1", 1.5" 2", 3" and 4" as used in the existing table.	No added cost
RB308-16					
	f	AS	AS	Modifies text of Table R703.16.1 "CLADDING MINIMUM FASTENING REQUIREMENTS FOR DIRECT ATTACHMENT OVER FOAM PLASTIC SHEATHING TO SUPPORT CLADDING WEIGHT" and table R703.16.2 "FURRING MINIMUM FASTENING REQUIREMENTS FOR APPLICATION OVER FOAM PLASTIC SHEATHING TO SUPPORT CLADDING WEIGHT".	No added cost
RB309-16					
	f	AM	AM	This change allows the use of the rafter tables for roof slope less than 3:12. The modifications clarifies the continuous ties, provides a pointer for the ridge strap back to the fastener table and adds the requirement for bearing for beams of roofs with slope less than 3:12.	No added cost
RB310-16					
RB315-16	f	AS	AS	This proposal adds prefabricated wood I-joint and the reference standard to the roof framing provisions.	No added cost
RB319-16	f	AS	AS	Footnote f is redundant since footnote h was added.	No added cost
RB321-16	f	AS	AS	This change aligns the cold-formed steel wall framing	No added cost

				provisions with the new referenced cold-formed steel structural framing standard. Also, the applicable design wind speed is changed to less than 140 mph ultimate. The framing tables are revised to reflect the wind load increase and to align with ASCE 7-10. Directional Method.	unless there is a condition where min. size members increase.
RB359-16	f	AS	AS	This proposal ensures proper clearances on a situation that we need to have guidance on for factory-built chimneys.	No added cost
RB376-16	f	AS	AS	This clarification to the code is proposed to acknowledge that the airspace may contain some mortar from construction as long as it provides drainage.	No added cost

