

REVISED AGENDA

UNIFORM BUILDING CODE COMMISSION
ARCHITECTURAL ADVISORY COMMITTEE
MECHANICAL ADVISORY COMMITTEE
UNIFIED CODE ANALYSIS COUNCIL
JOINT MEETING

February 11, 2014 9:00 AM

Sandy City Hall Room 341

10000 Centennial Pkwy, Sandy, UT

This agenda is subject to change up to 24 hours prior to the meeting.

ADMINISTRATIVE BUSINESS:

Sign attendance sheet

1. Elect a chair and vice-chair for the Unified Code Analysis Council
2. Approval of the minutes - Architectural & Mechanical Advisory Committee - December 10, 2013 and Unified Code Analysis Council June 5, 2012, June 20, 2012, July 3, 2012, and September 3, 2013

DISCUSSION ITEMS

3. Review proposed amendment to IBC Section 1505.8 and 1509.7
4. Review 2012 International Existing Building Code and recommendation from the Structural Advisory Committee in connection with 2012 IEBC in R156-15A-401 Adoption - Approved Codes and amendments in R156-15A-402 Statewide Amendments to the IEBC

INFO ITEMS

- a. IBC Amendment Status Log
- b. IEBC Amendment Status Log

Next Scheduled Meeting: as needed



In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify Dave Taylor, ADA Coordinator, at least three working days prior to the meeting. Division of Occupational and Professional Licensing, 160 East 300 South, Salt Lake City UT 84115, Phone 530-6628 or toll-free in Utah only 866-275-3675.

AGENDA

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ARCHITECTURAL ADVISORY COMMITTEE
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JOINT MEETING

February 11, 2014 9:00 AM

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Sign attendance sheet

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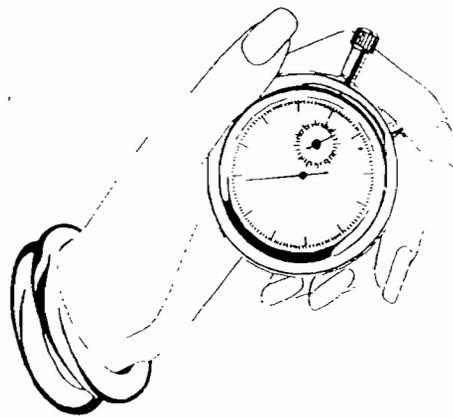
Next Scheduled Meeting: as needed

If you do not plan on attending this meeting, please call Sharon at 530-6163 or email at ssmalley@utah.gov



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AGENDA
ITEM # 1



MINUTES

UNIFORM BUILDING CODE COMMISSION

MECHANICAL ADVISORY COMMITTEE
ARCHITECTURAL ADVISORY COMMITTEE

December 10, 2013
Sandy Fire Station 32
9475 S 2000 E Sandy, UT

MINUTES

STAFF:

Dan S. Jones, Bureau Manager
Sharon Smalley, Board Secretary

MECHANICAL ADVISORY COMMITTEE:

David Wilson	Tyler Lewis (excused)
Trent Hunt	Brent Ursenbach
Dennis Thatcher	Roger Hamlet
Randy Beckstead (absent)	John Gassman (excused)

ARCHITECTURAL ADVISORY COMMITTEE

William Hall	Kelly Anderson
Ron McArthur	Kenny Nichols
Scott Marsell	Gary Payne
Jerry Jensen (excused)	

VISITORS:

Kevin Emerson, Utah Clean Energy	Ross Ford Utah HBA
Taz Biesinger, Utah HBA	Bruce Mia, Office of Energy Development
Richard Lyman, Sandy City Fire	

MINUTES

A motion was made by Ron McArthur to approve the minutes from the October 22, 2013 joint meeting as written. The motion was seconded by Scott Marsell and passed unanimously.

A motion was made by David Wilson to approve the minutes for the September 10, 2013 meeting for the Mechanical Advisory Committee as written. The motion was seconded by Dennis Thatcher and passed unanimously.

DISCUSS UPDATE TO RESCHECK PROGRAM

Brent Ursenbach gave a brief background on the history of the energy code. Several versions of the compliance certificate were passed out for the committees to review. He also had the current version of the REScheck software for review by all

present. Various figures were entered to show how the program does the calculations. Mr. Ursenbach pointed out that there other performance software packages available.

(At this point in the meeting Gary Payne left.)

Following a discussion by all present on the current version of the REScheck software in connection with the requirements of HB 202, Trent Hunt made a motion to make a recommendation to the Uniform Building Code Commission that the Architectural and Mechanical Advisory Committees certify that the new REScheck program meets the requirements of HB 202. The motion was seconded by David Wilson. Following the discussion on the motion, the motion was modified to say that the Architectural and Mechanical Advisory Committees certify that the United States Department of Energy has adopted a version of the REScheck software that can be used to verify compliance to the requirements of HB202. David Wilson seconded the modified motion and it passed unanimously.

Dan Jones informed the committees that a meeting will be scheduled for the Uniform Building Code Commission so this recommendation can be submitted to them.

(At this point in the meeting Kenny Nichols and William Hall left.)

Those present discussed the implementation of the 2012 energy code.

The meeting adjourned at 10:20.

Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.

UBC COMMISSION
UNIFIED CODE ANALYSIS COUNCIL
ARCHITECTURAL ADVISORY COMMITTEE
JOINT MEETING

June 5, 2012
Sandy City Fire Station
Lower Level 9:00am
9000 S 150 E Sandy, UT

MINUTES

STAFF

Dan Jones, Bureau Manager
Sharon Smalley, Board Secretary

UNIFIED CODE ANALYSIS COUNCIL MEMBERS

Jim McClintic	Richard Lyman, Liaison (excused)
Scott Adams	Dave Vickers (excused)
Deanne Mousley	Jeffrey Darr (excused)
Mike Pederson (excused)	Kent Mann
Keith Davis	Enzo Calfa, Liaison (excused)
Wendy Johnson	Martha Ellis
Andrew Baxter	

ARCHITECTURAL COMMITTEE

William Hall	Ron McArthur
Scott Marsell (excused)	Kenny Nichols
Kelly Anderson	

VISITORS

Brent Ursenbach

The joint meeting was conducted by Scott Adams.

MINUTES

A motion was made by Kent Mann for the Unified Code Analysis Council to approve the minutes from the May 15, 2012 joint meeting as written. The motion was seconded by Keith Davis and passed unanimously.

A motion was made by Kenny Nichols to approve the minutes from the May 15, 2012 joint meeting as written for the Architectural Advisory Committee. The motion was seconded by William Hall and passed unanimously.

REVIEW PURPOSED AMENDMENT TO
SECTION 3006.5

The purposed amendment was reviewed by both committees. Following the discussion, a motion was made by Jim McClintic to keep the current amend-

REVIEW CURRENT RECOMMENDATION TO 15A 310.1 AND 424

REVIEW 2012 IRC AND CURRENT AMENDMENTS

ment. The motion was seconded by Ron McArthur and passed unanimously.

Scott Adams gave a review of the recommendations from the ad hoc committee on their review of the day care requirements. They are recommending that the current amendment for Section 305.2 be deleted and replaced with a new amendment; add a new amendment for Sections 305.1, 308.6, 310.5, 310.6 and 426. Following the review of the proposal, a motion was made by William Hall to approve all of the recommendations. The motion was seconded by Wendy Johnson and passed unanimously.

The committees discussed the review of the 2012 IRC and the current amendments. Those present volunteered as follows to review the chapters and current amendments to those chapters:

Chapter 1 – Scott Marsell and Jim McClintic

Chapter 2 – Ron McArthur

Chapter 3 – Ron McArthur, Wendy Johnson and Scott Marsell

Chapter 4 – Kelly Anderson, William Hall and Scott Marsell

Chapter 5 – Kelly Anderson and William Hall

Chapter 6 – Kenny Nichols and Kent Mann

Chapter 7 – Ron McArthur, Jim McClintic, and Martha Ellis

Chapter 8 & 9 – Martha Ellis and William Hall

Chapter 10 – Wendy Johnson & Deanna Mousley

Chapter 11 – Ron McArthur and Scott Marsell

Chapter 23 – Martha Ellis and Scott Adams

Chapter 44 – Deanna Mousley

The next meeting will be on Wednesday, June 20 and an extra meeting on the 27th.

The meeting adjourned at 10:17.

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UBC COMMISSION
UNIFIED CODE ANALYSIS COUNCIL
ARCHITECTURAL ADVISORY COMMITTEE
JOINT MEETING

June 20, 2012
Sandy City Fire Station
Lower Level 9:00am
9000 S 150 E Sandy, UT

MINUTES

STAFF

Dan Jones, Bureau Manager
Sharon Smalley, Board Secretary

UNIFIED CODE ANALYSIS COUNCIL MEMBERS

Jim McClintic	Richard Lyman, Liaison (excused)
Scott Adams	Dave Vickers (absent)
Deanne Mousley	Jeffrey Darr (excused)
Mike Pederson (absent)	Kent Mann
Keith Davis	Enzo Calfa, Liaison (excused)
Wendy Johnson (absent)	Martha Ellis
Andrew Baxter (excused)	

ARCHITECTURAL COMMITTEE

William Hall	Ron McArthur (excused)
Scott Marsell	Kenny Nichols
Kelly Anderson	

VISITORS

Brent Ursenbach

The joint meeting was conducted by Scott Marsell.

MINUTES

A motion was made by Kenny Nichols to approve the minutes from the June 5, 2012 joint meeting as written for the Architectural Advisory Committee. The motion was seconded by William Hall and passed unanimously.

Approval of the June 5, 2012 minutes for the Unified Code Analysis Council was tabled until the next meeting as there was not a quorum present.

REVIEW PURPOSED AMENDMENT TO
IRC

Those present reviewed the 2012 IRC, current amendments to the IRC and recommended changes submitted by Scott Marsell, Ron McArthur, Scott Adams and Kent Mann. The following motions were made after the review:

REVIEW 2012 IRC AND CURRENT AMENDMENTS

A motion was made by William Hall to make a recommendation to keep the current amendment for Section R102.7.2. The motion was seconded by Kenny Nichols and passed unanimously.

A motion was made by Keith Davis to make a recommendation to keep the current amendment for Section R109. The motion was seconded by William Hall and passed unanimously.

A motion was made by Kelly Anderson to make a recommendation to keep the current amendment for Section R114.1. The motion was seconded by Kenny Nichols and passed unanimously.

A motion was made by William Hall to make a recommendation to keep the current amendment for Section R302.2. The motion was seconded by Kenny Nichols and passed unanimously.

A motion was made by Jim McClintic to make a recommendation to keep the current amendment for Section R302.2.4. The motion was seconded by Kent Mann and passed unanimously.

At this point, Scott Adams joined the meeting.

Scott Marsell introduced a new proposal for an amendment for Section R302.5.1. Following a review of the proposal, a motion was made by Kenny Nichols to make a recommendation to approve the new amendment for Section R302.5.1. The motion was seconded by Scott Adams and passed unanimously.

A motion was made by William Hall to make a recommendation to keep the current amendment for Section 311.7.4 through R311.7.4.3. The motion was seconded by Kelly Anderson and passed unanimously.

A motion was made by William Hall to make a recommendation to keep the current amendment for Section R312.2 as modified by changing the number to R312.1.2. The motion was seconded by Kenny Nichols and passed unanimously.

Scott Marsell introduced a new amendment to delete Section R312.2. Following a review of the proposal, a motion was made by Keith Davis to make a recom-

mendation to approve the new amendment to delete Section R312.2. The motion was seconded by William Hall and passed unanimously.

Scott Marsell and Scott Adams introduced a new amendment for Section R313. Following a review of the proposal, a motion was made by Scott Adams to approve the proposal to delete Sections R313.1 through R313.2.1 and replace it with the proposal as modified by changing the word “and” to “or”. The motion was seconded by Martha Ellis and passed unanimously.

A motion was made by Scott Adams to make a recommendation to delete the current amendments for Section R315.1 and R315.3. The motion was seconded by William Hall and passed unanimously.

Scott Marsell introduced new amendments to add Sections R315.5 and R315.6. Following the review, a motion was made by Jim McClintic to make a recommendation to approve both new amendments. The motion was seconded by Scott Adams and passed unanimously.

Scott Marsell introduced a new amendment to delete Section R501.3. Following the review, a motion was made by Kelly Anderson to recommend deletion of the section. The motion was seconded by Scott Adams and passed unanimously.

A motion was made by Kenny Nichols to make a recommendation to delete the current amendment for Section R612.2 through R612.4.2. The motion was seconded by William Hall and passed unanimously.

A motion was made by Scott Adams to make a recommendation to delete the current amendment for the reference standard for 720-09 in Chapter 44. The motion was seconded by Deanna Mousley and passed unanimously.

A motion was made by Scott Adams to make a recommendation to approve the adoption of the 2012 IBC and IRC along with all of the recommended amendments. The motion was seconded by Martha Ellis and passed unanimously.

The meeting adjourned at 10:45.

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UBC COMMISSION

UNIFIED CODE ANALYSIS COUNCIL
ARCHITECTURAL ADVISORY COMMITTEE
JOINT MEETING

July 3, 2012
Sandy City Hall
Third Floor Room 341 9:00am
10000 Centennial Pkwy Sandy, UT

MINUTES

STAFF

Dan Jones, Bureau Manager
Sharon Smalley, Board Secretary

UNIFIED CODE ANALYSIS COUNCIL MEMBERS

Jim McClintic	Richard Lyman, Liaison
Scott Adams	Dave Vickers (absent)
Deanne Mousley	Jeffrey Darr (absent)
Mike Pederson (absent)	Kent Mann (excused)
Keith Davis (absent)	Enzo Calfa, Liaison (excused)
Wendy Johnson	Martha Ellis (excused)
Andrew Baxter (absent)	

ARCHITECTURAL COMMITTEE

William Hall (absent)	Ron McArthur (excused)
Scott Marsell	Kenny Nichols
Kelly Anderson	

VISITORS

Justin Naser

The joint meeting was conducted by Scott Adams.
There was not a quorum present for either committee.

MINUTES

Approval of the minutes from the June 5, 2012 and June 20, 2012 meetings was tabled until the next meeting as there was not a quorum present for either committee.

REVIEW PURPOSED AMENDMENT
FOR HAND WASHING SINKS

Those present reviewed a request from Simon Bolivar for an amendment to be added for the requirements for hand washing sinks in non-residential child care facilities. He is requesting this amendment as these requirements are a part of the Child Care Licensing rules. Scott Marsell and Jim McClintic recommended that an amendment be added to Section 2902.1 as a footnote to the table. Jim McClintic recommended that the proposal also be reviewed by the Plumb-

ing/Health Advisory Committee.

Following the discussion, a motion was made by Scott Marsell to add a new amendment in the IBC for Table 2902.1 that would state, "In Table 2902.1 a new footnote i is added as follows: For non-residential child care facilities the following additional requirements shall apply:" and then add the wording submitted by Mr. Bolivar for E and I-4 occupancies. The motion was seconded by Jim McClintic and passed unanimously. This recommendation is unofficial as there was not a quorum present.

REVIEW COMMENTS ON ENERGY CODE

Wendy Johnson explained her concerns with the wording in Section N1102.4.1.1 (R402.4.1.1). She is recommending that the wording be changed for clarification by changing the words "certify compliance to" to "submit approved compliance certification for any". Those present agreed with the recommendation, however, Scott Marsell recommended that the Mechanical Advisory Committee also look at this before any changes are made.

Wendy Johnson is also recommending a change to Section N1103.2.2 (R403.2.2). It was again recommended that the Mechanical Advisory Committee should look at this before any changes are made.

She had a concern with the definition for "conditioned space", however, she spoke with Brent Ursenbach in connection with this and is now withdrawing her comments.

Justin Naser, chairman for the Uniform Building Code Commission, discussed the energy code recommendations and the remaining meetings with those present.

The meeting adjourned at 10:12.

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UBC COMMISSION
UNIFIED CODE ANALYSIS COUNCIL
ARCHITECTURAL ADVISORY COMMITTEE
JOINT MEETING

September 3, 2013
Sandy City Fire Station
Lower Level 9:00am
9000 S 150 E Sandy, UT

MINUTES

STAFF

Dan Jones, Bureau Manager
Sharon Smalley, Board Secretary

UNIFIED CODE ANALYSIS COUNCIL MEMBERS

Jim McClintic	Richard Lyman (absent)
Scott Adams	Dave Vickers (absent)
Deanne Mousley	Jeffrey Darr
Mike Pederson (excused)	Kent Mann (absent)
Keith Davis (excused)	Andrew Baxter (absent)
Wendy Johnson (excused)	Martha Ellis (absent)

ARCHITECTURAL COMMITTEE

William Hall	Ron McArthur (absent)
Scott Marsell	Kenny Nichols (excused)
Gary Payne	Jerry Jensen (absent)

VISITORS

The joint meeting was conducted by Scott Adams.
There was not a quorum present for either committee.

SWEAR IN NEW COMMITTEE MEMBER Gary Payne was sworn in as the new member for the Architectural Advisory Committee.

ELECT A CHAIRMAN AND VICE CHAIRMAN FOR THE UNIFIED CODE ANALYSIS COUNCIL Election of a chairman and vice chairman for the Unified Code Analysis Council was tabled until the next meeting.

MINUTES Approval of all minutes for both committees was tabled until the next meeting.

REVIEW OCCUPANCY CLASSIFICATION AND USE FOR "TRAINING AND SKILL DEVELOPMENT NOT WITHIN A SCHOOL OR ACADEMIC PROGRAM" Deanne Mousley explained why these committees were asked to review this classification. Those present discussed the issue. It was recommended that the use classification should be left to each building offi-

cial for their review and determination. Deanne Mousley will report back to the Fire Prevention Board on the recommendation from those committee members that were present.

The meeting adjourned at 10:05.

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Agenda Item #2

UTAH DEPARTMENT OF COMMERCE
 DIVISION OF OCCUPATIONAL AND PROFESSIONAL LICENSING
 160 East 300 South Salt Lake City UT 84111
 PO Box 146741 Salt Lake City UT 84114-6741
 E-mail: dansjones@utah.gov
 Web www.dopl.utah.gov
REQUEST FOR CODE AMENDMENT

Requesting Agency/Person: State Division of Facilities Construction and Management	Date: 1/6/14
Street Address: State Office Bld #4110, Capitol Hill	
City, State, Zip: Salt Lake City	
Contact Person: John Harrington	Phone: 801-538-3018
Code to be Amended: 2012 IBC (Include edition)	
Section: 1505.8, 1509.7	
Section Title: Photovoltaic Systems	

<p>AMENDMENT</p> <p>Type proposed amendment in rule change form. (Using strikethrough on portions being removed and underline on all new wording.)</p> <ol style="list-style-type: none"> 1. Include the entire section you wish to amend. 2. Attach additional sheets if necessary. <p>1505.8 Photovoltaic Systems Rooftop installed photovoltaic systems that are adhered or attached to the roof covering or photovoltaic modules/shingles installed as roof coverings shall be labeled to identify their fire classification in accordance with the testing required in Section 1505.1.</p> <p>1509.7 Photovoltaic systems. Rooftop mounted photovoltaic systems shall be designed in accordance with this section.</p> <p>1509.7.1 Wind resistance. Rooftop mounted photovoltaic systems shall be designed for wind loads for component and cladding in accordance with <u>Chapter 16</u> using an effective wind area based on the dimensions of a single unit frame.</p> <p>1509.7.2 Fire classification. Rooftop mounted photovoltaic systems shall have the same fire classification as the roof assembly required by Section 1505.</p> <p>1509.7.3 Installation. Rooftop mounted photovoltaic systems shall be installed in accordance with the manufacturer's installation instructions.</p> <p>1509.7.4 Photovoltaic panels and modules. Photovoltaic panels and modules mounted on top of a roof shall be listed and labeled in accordance with UL 1703, <u>but exempting section 16</u>, and shall be installed in accordance with the manufacturer's installation instructions.</p>

Purpose or reason for amendment:

UL 1703 section 16 was recently modified to reflect compliance with the above referenced sections of 2012 IBC. However, tested photovoltaic (PV) *systems* (meaning PV Modules and Mounting Hardware on a Roof Assembly) that meet the requirements of UL 1703 section 16 are not currently available for purchase and a clear timeline for availability of such UL listed *systems* has not been given by UL, nor any of the major PV racking suppliers. Currently this situation prevents roof mounted PV systems from being implemented on commercial type buildings in the State of Utah.

The purpose of the amendment is to delay implementation of above mentioned sections of 2012 IBC until such time that UL listed PV *systems* are competitively available in the market.

Cost or Savings Impact of Amendment:

This amendment does not result in any cost increase, yet failure to adopt this amendment may result in cost impacts to commercial building owners, including state agencies and public education facilities, since projects and the resulting energy savings benefits derived from such rooftop PV systems cannot be realized with this UL requirement in place.

Furthermore, there are existing State, utility and Federal tax credits, grants, incentives and other financial instruments available on a time limited basis, which are likely to be lost if the installation of solar PV systems are delayed due to this requirement. Without a temporary modification and delay of implementation of the above sections, commercial roof top solar systems cannot be implemented and the funding opportunities for implementation of those projects will be lost.

Compliance Cost for Affected Persons (A Person means any individual, partnership, corporation, association, governmental entity, or public or private organization of any character other than an agency.) (You must break out the impact cost to State Budget, Local Government and you must state aggregate cost to other persons {cost per person times number of persons affected}):

There are no costs associated with this request. There are cost benefits for State and public agencies in terms of eligibility for incentives, grants, tax credits and other financial instruments.

Signature 	Date: 1/16/2014
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For Division Use:

Date Received:	
Committee Action: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> Approved with revisions <input type="checkbox"/> Referred to: <input type="checkbox"/> Tabled	UBC Commission Decision for Hearing: <input type="checkbox"/> Approved for hearing <input type="checkbox"/> Denied <input type="checkbox"/> Approved with revisions <input type="checkbox"/> Referred to: <input type="checkbox"/> Tabled
Date Filed:	Public Hearing Date:
UBC Commission Decision for Adoption: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> Approved with revisions <input type="checkbox"/> Referred to: <input type="checkbox"/> Tabled	Effective Date:

Agenda Item #3

R156-15A-401. Adoption - Approved Codes.

Approved Codes. In accordance with Subsection 15A-1-204(6)(a), and subject to the limitations contained in Subsection 15A-1-204(6)(b), the following codes or standards are hereby incorporated by reference and approved for use and adoption by a compliance agency as the construction standards which may be applied to existing buildings in the regulation of building alteration, remodeling, repair, removal, seismic evaluation, and rehabilitation in the state:

- (1) the 1997 edition of the Uniform Code for the Abatement of Dangerous Buildings (UCADB) promulgated by the International Code Council;
- (2) the ~~2009~~ 2012 edition of the International Existing Building Code (IEBC), including its appendix chapters, promulgated by the International Code Council;
- (3) ASCE 31-03, Seismic Evaluation of Existing Buildings, promulgated by the American Society of Civil Engineers;
- (4) ASCE/SEI 41-06, the Seismic Rehabilitation of Existing Buildings, promulgated by the American Society of Civil Engineers, 2007 edition.

R156-15A-402. Statewide Amendments to the IEBC.

The following are adopted as amendments to the IEBC to be applicable statewide:

- (1) In Section ~~401.5~~ 301.1 the exception is deleted.
- (2) In Section 202 the definition for existing buildings is deleted and replaced with the following:
EXISTING BUILDING. A building lawfully erected under a prior adopted code, or one which is deemed a legal non-conforming building by the code official, and one which is not a dangerous building.
- (3) In Section ~~605.1~~ 705.1, Exception number 3, the following is added at the end of the sentence:
"This exception does not apply if the existing facility is unless undergoing a change of occupancy classification."
- (4) Section ~~606.2.1~~ 706.2.1 is deleted and replaced with the following:
~~606.2.1~~ 706.2.1 Parapet bracing, wall anchors, and other appendages. Buildings constructed prior to 1975 shall have parapet bracing, wall anchors, and appendages such as cornices, spires, towers, tanks, signs, statuary, etc. evaluated by a licensed engineer when said building is undergoing reroofing, or alteration of or repair to said feature. Such parapet bracing, wall anchors, and appendages shall be evaluated in accordance with the reduced International Building Code level seismic forces as specified in IEBC Section ~~401.5.4.2~~ 301.1.4.2 and design procedures of Section ~~401.5.4~~ 301.1.4. When found to be deficient because of design or deteriorated condition, the engineer's recommendations to anchor, brace, reinforce, or remove the deficient feature shall be implemented.
EXCEPTIONS:
 1. Group R-3 and U occupancies.
 2. Unreinforced masonry parapets need not be braced according to the above stated provisions provided that the maximum height of an unreinforced masonry parapet above the level of the diaphragm tension anchors or above the parapet braces shall not exceed one and one-half times the thickness of the parapet wall. The parapet height may be a maximum of two and one-half times its thickness in other than Seismic Design Categories D, E, or F.

- (5) Section ~~907.3.1~~ 1007.3.1 is deleted and replaced with the following:
~~907.3.1~~ 1007.3.1 Compliance with the International Building Code Level Seismic Forces. When a building or portion thereof is subject to a change of occupancy such that a change in the nature of the occupancy results in a higher ~~seismic occupancy risk~~ category based on Table 1604.5 of the International Building Code; or where such change of occupancy results in a reclassification of a building to a higher hazard category as shown in Table ~~912.4~~ 1012.4; or where a change of a Group M occupancy to a Group A, E, F, ~~M~~ I-1, R-1, R-2, or R-4 occupancy with two-thirds or more of the floors involved in Level 3 alteration work; or when such change of occupancy results in a design occupant load increase of 100% or more, the building shall conform to the seismic requirements of the International Building Code for the new ~~seismic use group risk category~~.
Exceptions 1-4 remain unchanged.
5. Where the design occupant load increase is less than 25 occupants and the occupancy category does not change.
- (6) In Section ~~912.7.3~~ 1012.7.3 exception 2 is deleted.
- (7) In Section ~~912.8~~ 1012.8.2 number 7 is added as follows:
7. When a change of occupancy in a building or portion of a building results in a Group R-2 occupancy, not less than 20 percent of the dwelling or sleeping units shall be Type B dwelling or sleeping units. These dwelling or sleeping units may be located on any floor of the building provided with an accessible route. Two percent, but not less than one unit, of the dwelling or sleeping units shall be Type A dwelling units.

Info Items

IEBC AMENDMENT STATUS LOG
PENDING

Section to Amend	Proponent & Agency	Approved/Denied by Committee	Commission Appr/Deny for Hearing	Published	Public Hearing	Commission Appr/Deny Amendment	Effective Date
2012 IEBC	Structural Advisory Committee	Approved 11-7-13	1-15-14 sent to Arch, Mech, and Unified for review				



Black Diamond Inc. (SLC) - Agenda Item #2 Review to IBC Section 1505.8 and 1509.7

Charlie Boas <Charlie.boas@bdeI.com>

Fri, Feb 7, 2014 at 10:33 AM

To: "dansjones@utah.gov" <dansjones@utah.gov>, "ssmalley@utah.gov" <:ssmalley@utah.gov>

Dear Mr Jones and Ms. Smalley

Since our move to Salt Lake City almost 23 years ago (1991) Black Diamond Inc. has devoted its energy toward the goal of creating a company which fosters the enthusiasm and dreams necessary to design and manufacture the best climbing and skiing gear in the world, and to do so in a manner that minimize our environmental and carbon footprint. Supporting local initiatives protecting our air quality and environment has been integral to that goal. These initiatives include supporting progressive renewable energy policies, and as such we have participated in Rocky Mountain Power's Solar Incentive Program on two separate occasions.

It has come to our attention that in July, 2013 the 2012 International Building Code was adopted in the State of Utah without modification, and that Utah was the first state to do so. This new 2012 IBC requires solar electric systems to comply with the same fire classification as the underlying roof assembly, which we understand is not technically possible for commercial systems. This code, in essence, makes a solar electric system "un-permittable". For obvious reasons, we do not support the letter or intent of the 2012 IBC.

Agenda item #2 Review proposed amendment to IBC Section 1505.8 and 1509.7, which will be discussed in the Feb 11th Joint Meeting of the Uniform Building Code Commission Architectural Advisory Committee, Mechanical Advisory Committee, and the Unified Code Analysis Council, and we request that our comments be shared with the Committee members on each Committee for their consideration during the meeting. We are aware of the proposed amendments and are in full support of the changes, and as such, respectfully request that these proposed amendments be approved by the committees.

Attached a fact sheet that provides full background on the issue

Best regards

Charlie Boas

Packaging Supervisor on behalf of Peter Metcalf, CEO

Black Diamond, Inc

2084 East 3900 South | Salt Lake City, UT 84124 | USA

Office [801.912.9853](tel:8019129853)

Main 801.278.5552 ext. 1053

Email Charlie.boas@bdeI.com

BlackDiamondEquipment.com

 [Utah Code Amendment Request Fact Sheet - PV Fire Classification v1 29\[8\]\[1\].pdf](#)
123K

Fact Sheet: Amendment Request Regarding Fire Classification Sections in the 2012 International Building Code, Specific to Roof Mounted Photovoltaic Systems in Utah

On July 1, 2013, the 2012 International Building Code was adopted in the State of Utah without modification. Utah was one of the first States to do so. The 2012 IBC has new provisions for the fire classification of solar photovoltaic *systems* (PV), which are required to comply with the same fire classification as the underlying roof assembly.

The following code sections of the 2012 IBC are affected: 1505.8, 1509.7.2, and 1509.7.4.

1505.8 Photovoltaic Systems

Rooftop installed photovoltaic systems that are adhered or attached to the roof covering or photovoltaic modules/shingles installed as roof coverings shall be labeled to identify their fire classification in accordance with the testing required in Section 1505.4.

1509.7.2 Fire classification.

Rooftop mounted photovoltaic *systems* shall have the same fire classification as the roof assembly required by Section 1505.

1509.7.4 Photovoltaic panels and modules.

Photovoltaic panels and modules mounted on top of a roof shall be listed and labeled in accordance with UL 1703, and shall be installed in accordance with the manufacturer's installation instructions.

UL 1703 - The Underwriter's Laboratory's electrical standards, with which solar modules need to comply, e.g., tested and labeled, was adopted recently (October 2013) to reflect compliance with the 2012 IBC regarding the fire classification of PV systems (meaning PV modules *and* racking, on a given roof surface).

The above Code sections are applicable to commercial size roof only, and do not apply to residential roof systems.

To avoid the need to test literally thousands of possible iterations of PV modules, racking, racking configurations and roof types, a classification protocol for modules was developed.

Currently (January 2014), the module classification system has not been completed by UL. Therein, racking and module suppliers have not been able to initiate the testing of *systems*.

Since July 2013, it has not been technically possible to implement commercial scale PV solar projects in Utah or any other jurisdictions that adopted the 2012 IBC without amendment.

Purpose of Amendment Request

The purpose and intent of the requested amendment is to delay implementation of the above mentioned sections of the 2012 IBC until such time that UL listed PV *systems* are competitively available in the market.

A critical factor is that there are existing State, utility and Federal tax credits, grants, incentives and other financial instruments already in-place and being relied upon by numerous projects, and such funding is only available on a time limited basis. Many of these project funding support elements will be lost if the installation of solar PV systems are delayed due to the IBC 2012 code requirements.

Without a temporary modification permitting a prescribed delay of implementation of the above sections, commercial roof top solar systems cannot be constructed and the funding opportunities in place for such projects will be lost. These systems save energy costs for our taxpayer supported public agencies and schools, lower the burdens placed upon energy generation and transmission during peak demand periods in our state, and provide meaningful jobs and economic development opportunities to the construction industry and trades.

Electrical Safety

The electrical safety of the solar system is safeguarded, as always, by all the relevant sections of the IBC (International Building Code) IFC (International Fire Code) and (notably) NEC (National Electric Code). It should be noted that NEC also refers to UL 1703, therefore all electrical safeguards put in place by UL 1703 are still a requirement for solar projects.

The NEC is a very comprehensive code and it should be noted that the electrical safety of solar projects are not in any way affected by the requested implementation delay amendment of the aforementioned IBC sections.

It should also be noted that incidents and accident with solar systems are extremely rare. Thousands of systems have been installed in the U.S., with very few, if any recorded incidents. There are no indications that the 2009 IBC allowed unsafe practices. The fire classification (spread and brand test), as described in (2013) UL 1703, Section 16, is a logical extension to existing practices and many existing and future solar systems will likely comply regardless of code requirement. Currently however, there is no means for certifying and labeling those systems, and therefore this request is made for delaying the UL labeling requirement mandated by the IBC 2012.

Fire Safety

The fire safety of the solar system is safeguarded, as always, by all of the relevant sections of the IBC (International Building Code), IFC (International Fire Code) and NEC (National Electric Code). It should be noted that NEC also refers to UL 1703, and therefore all fire safety safeguards put in place by UL 1703 are still a requirement for solar projects.

Module Labeling

Module labeling will remain in accordance with UL 1703.

Time Line of the Delay

The time line of the delay is specifically limited, and intended to be in place until such time that tested and labeled PV systems are available on a competitive basis in the market place.

31 Jan. 2014

Ms. Denise Brems
Office of Energy Development
60 E South Temple, Suite 300
Salt Lake City, UT 84111-6110

Dear Ms. Brems:

Attached is an illustration showing the ubiquitous platform framing template, a building system developed more than 100 years ago for residential construction. This template is still used to build virtually every low rise wooden structure in the US.

We live in a different world from when this system was developed. Based on higher fuel costs and out of control carbon emissions it's time to revisit this flawed design concept. Here in the US, where nearly every other industry has streamlined and industrialize their processes, the residential construction industry remains steeped in stick by stick on-site construction methods. This is due primarily to the idiosyncrasies of the platform framing template. In addition to the propensity of unwanted air infiltration this system is not flexible to accommodate the insulation requirements for increased energy efficient standards. To meet new energy requirements, contractors nail rigid insulation to "outside" of the envelope. From an engineering reference point, this concept begs for a better solution.

Informational website www.netzeroenvelope.com outlines recommended changes to the IECC code relating to residential exterior wall construction and the frame/foundation connection. If officials in Utah require a specific format on which to propose these changes, please e-mail me at rhrichtig@yahoo.com with the details.

Cordially,



Raymond Fiehler
Enc.

PLATFORM FRAMING

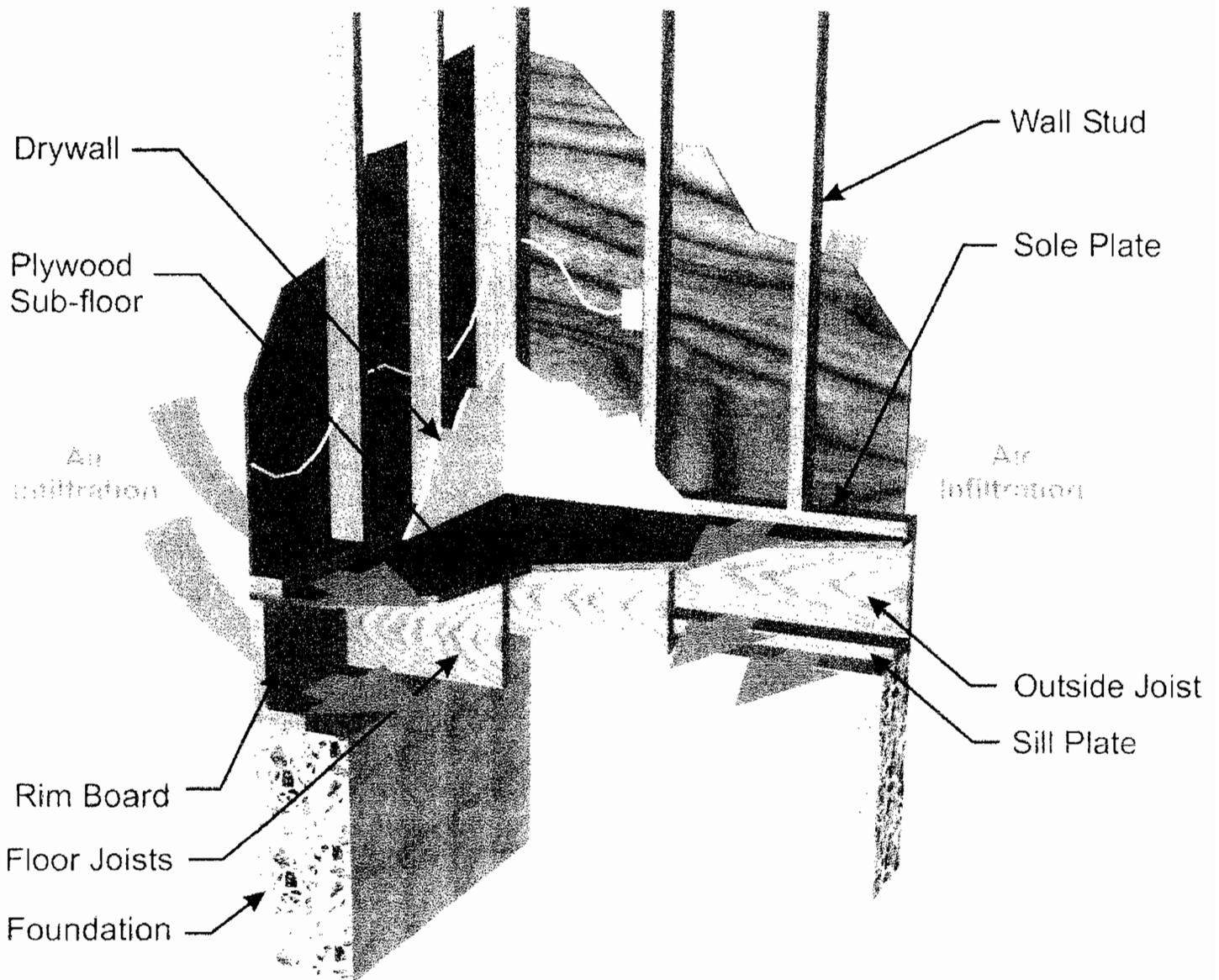


Figure 1
