



**Minutes**  
**BUILDING CODE ADVISORY COMMITTEE**  
**CITY AND BOROUGH OF JUNEAU**  
**COMMITTEE MEETING**

December 14, 2015

5:00 PM

Juneau Fire Station

**I. Roll Call**

Committee members present: Doug Murray, Joann Lott, and Chris Gianotti.

CBJ staff present: Charlie Ford and Guy Gleason

Others present. None

**II. Approval of Minutes**

Minutes from November 16th meeting approved.

Joann made note that she has completed her portion of the 2012 IBC.

Charlie to adjust minutes accordingly.

**III. Public Participation of Non-Agenda Items**

Guy Gleason, the electrical inspector for CBJ, has been meeting with Pat Gorman of the BCAC to discuss needed modifications to the NEC section and the electrical section of the IRC in Title 19.

**IV. Completed Action Items**

- Committee continues discussion of IECC adoption.
- Joann continues review of the 2012 IRC starting with Chapter 7 .  
Chapter 7
  - 19.04.703.2 – Weather resistant sheathing paper – **Change** title to Weather-resistive barrier – **Keep**
  - 19.04.703.3.2 – Horizontal siding – **Keep**
  - R703.8 – Revises paragraph 1 to include 1.1 – 1.3 – requires pan flashing at sills where details do not address it. **Sig. Change**
- Chapter 8 Starting at R806
  - R806.5 – Unvented attics and unvented enclosed rafter assemblies – Added unvented enclosed rafter assemblies – **Sig. Change**
- Chapter 9
  - R903.2.1 – Weather protection; Location – Added new sentence – “flashing to divert water from vertical sidewall” interpreted as a kick out flashing – **Sig. Change**
  - 19.04.R905.2.2 – Asphalt shingles; slope – Changes 2:12 to 3:12 – **Keep**
  - 19.04.R905.7.1.1 – Deletes requirement for solid sheathing – **Keep**
  - 19.04.R905.8.1.1 – Deletes requirement for solid sheathing – **Keep**
- Chapter 10
  - 19.04.R1006.2 – Increases venting mesh size requirement – **Keep**
- Chapter 11
  - 19.04.N1101.1 – **Many Conflicts** – **Revisit**
  - 19.04.N1101.2 – Climate zones – Change section to 1101.10 – **Keep**  
AHFC list Juneau as zone 6 in their amendments to the IECC.
  - 19.04.Table\_N1102.1 – Insulation and fenestration requirements by component – **Some fairly major Changes** – **Revisit**
  - 19.04.Table\_N1102.1.2 – Same as above

- 19.04.N1102.2.6 – Energy efficiency; building thermal envelope; basement walls – Change section Number to 19.04.N1102.2.8 – **Keep**
- 19.04.N1102.2.8 - Energy efficiency; building thermal envelope; crawl space walls – Change section to 19.04.N1102.2.10 – **Keep**
- 19.04.N1103.2.1 – Energy efficiency; systems; ducts; insulation – **Delete –Code requires higher R-value than existing T-19**
- 19.04.N1103.7 - Energy efficiency; systems; piping insulation – Change section to 19.04.N1103.3 and title to Energy efficiency; systems; mechanical system piping insulation – **Keep**
- 19.04.N1104 – Energy efficiency; special standards – Change section number to 19.04.N1106 – **Keep Chapter 19**
- M1901.3 – Special Appliances, Equipment and Systems; Ranges and Oven; Prohibited locations – Prohibits use of commercial cooking appliances indwelling units or “any area where domestic cooking operations occur” –**Sig. Change**
- Charlie – Check with Gen. Eng. Concerning Section 305.0 (2009) “Sewers Required” deleted from 2012. **Charlie checked with Gen. Eng. They have no issues with the deletion of the section.**
- Charlie – Check with Shawn concerning Section 316.1 (2009) “Types of Joints” deleted from 2012 **Information moved to Sections 606 and 705. Shawn is happy with change.**
- 605.0 – Shawn to Review - **Significant Change - Joints and Connections** – Massive Rewrite and Expansion of 2009 Section. **Contains regulations on different types of piping and connectors.**
- 705.0 – Shawn to Review - **Significant Change** – Massive rewrite and Expansion of 2009 Section describing regulations on different types of piping and connectors. **Shawn likes the changes.**
- 1213.3 – Shawn to Review - **Test Pressure** – Change in test procedure
- 1213.6 – Shawn to Review - **Purging Requirements** – Section rewritten **Shawn is ok with changes. SEE SHAWN’S MEMO ATTACHED TO MINUTES**

## V. Remaining Action Items

- IECC discussion. Appraisal questions. Cost-effective questions. No decision on adoption.
- Doug – Define flexible metal duct - 19.07.603.1
- Doug – Review 19.07.Table 10-A
- Doug – Check NFPA for consistency with 19.09.305.9 (305.13)
- Charlie – Compare Section 422 “Minimum Number of Required Fixtures” with IBC Table
- Charlie – Section 415.0 “Drinking Fountains” – “shall not be required for occupant load of 30 or less” - 19.03.Table 2902.1 adds a footnote “e” that states “drinking fountains are not required for occupant loads less than 60”. We need consistency.
- 19.06.1.811.9 – Fix Typo. PVCPVC
- Appendix C – Was Appendix L – Action Item – Doug
- Committee to review 2012 IECC and discuss possible future adoption with modifications.
- Charlie to write New Section for IBC/UPC allowing Unisex Restrooms as an option to required separate facilities.
- Sections 1005.3.1 - Means of Egress Sizing – Stairways – and Section 1005.3.2 - Means of Egress Sizing – Other Egress Components – allows reduction in egress width if building is sprinklered - check 2009 IBC to see if Significant Change - Charlie.
- Doug – 2902.1 research for deletion – **Paragraph after #2 requirement.**
- 19.04.R324.2.1 – Flood resistant construction; Flood hazard areas (including A zones) – **Change number to R322.2.1 Action Item Charlie**
- 19.04.R324.3.2 – Flood resistant construction; coastal high hazard areas (including V zones); Elevation requirements. – **Change number to R322.3.2 – Action Item Charlie**

## VI. New Action Items

- Pat to begin reviewing the 2014 NEC

## VII. Old Business

- **Progress on 2012 Code Review:**
- Charlie completed 2012 IPMC review.
- Charlie completed 2012 IEBC review.
- Doug completed 2012 IFGC review.
- Doug completed 2012 IMC review.
- Doug completed 2012 UPC review.
- Joann begins 2012 IBC review (through middle of Chapter 7)
- Joann continues 2012 IBC review (through Section 1008.1.9.11)
- Joanne completes her sections of the IBC (Chris to review structural sections)
- Dan begins 2012 IFC review ( through 806.2)
- Dan continues 2012 IFC review (through 907.2.3)
- Dan completes 2012 IFC review
- Chris reviews 2012 IBC Chapter 16
- Chris completes review of Chapters 17, 18, 19, and 20 of the 2012 IBC
- Joann reviews 2012 IRC Chapters 2, & 3.
- Chris reviews 2012 IRC Chapters 4, 5, & 6.
- Joann reviews 2012 IRC Chapters 7, 8, 9, 10, 11 and 19.
- Unisex Restroom Issue – Charlie
- CBJ Commission on Sustainability – IECC Adoption. - Charlie

#### **VIII. New Business**

- None

#### **IX. Schedule for Next Committee Meeting**

- TBD
- **Adjournment** 6:50 PM

**From:** Shawn Williams  
**Sent:** Friday, January 23, 2015 2:21 PM  
**To:** Charlie Ford  
**Subject:** RE: 2012 UPC

Section 316.1 in the 2009 UPC was deleted from chapter 3 General Regulations and moved to sections 605 and 705 in the 2012 UPC. It appears they have moved the joints and connections sections to the appropriate chapters that deal with those piping materials so it could be easily found. I like this change because I get a lot of questions about piping materials and joint connections because people are not looking in chapter 3 for this. They have defiantly expanded on some of these joint connections and added some stuff because of some of the new piping materials out there.

The change in test procedure for section 1213.3 seems fine to me. They clearly state the testing mediums that are to be used which is nice. They increased the minimum test pressure on low pressure systems to 10 psig which we have done in Title 19 in the IRC. It's a little weird that they left the time durations for the test up to the AHJ but mention the minimum test times. I guess that leaves the door open for the inspector to ask for the test to be on longer if they feel there is a need for that.

I like the new Purging section because it clearly states at the beginning that you only need to purge systems that have an operating system that exceeds 2 psig or is a very large size according to table 1213.6.1. We don't see systems of this size and pressure very often at all. I really don't see sitting around and watching a contractor performing this purge test if they had to anyway. I guess we could make them sign something stating it was done to these standards on company letterhead though.

I would have liked to put more time and effort into this e-mail but I have been very busy lately. If there are any other parts of these sections that you would like me to expand on please let me know. I hope this helps with any decisions.

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**From:** Charlie Ford  
**Sent:** Monday, January 05, 2015 9:23 AM  
**To:** Shawn Williams  
**Subject:** 2012 UPC

Shawn,

The Code Committee wants you to review the following Sections. When you get a chance.

Check with Shawn concerning **Section 316.1 (2009) "Types of Joints"** deleted from 2012

- **605.0 – Shawn to Review - Significant Change - Joints and Connections** – Massive Rewrite and Expansion of 2009 Section. Contains regulations on different types of piping and connectors.
- **705.0 – Shawn to Review - Significant Change** – Massive rewrite and Expansion of 2009 Section describing regulations on different types of piping and connectors.
- **1213.3 – Shawn to Review - Test Pressure** – Change in test procedure
- **1213.6 – Shawn to Review - Purging Requirements** – Section rewritten