



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

June 27, 2018
5:00 PM
Juneau Fire Station

I. Roll Call

Committee members present: Doug Murray, Pat Gorman, Armando DeGuzman
CBJ staff present: Charlie Ford
Others present: None

II. Approval of Minutes

III. Public Participation of Non-Agenda Items

None

IV. Completed Action Items

Pat continues review of 2014 NEC

250.21(C) – Expanded
250.32(B)(1) – New Exception
250.32(B)(2) – New Exception
250.36(F) – Minor Rewording
250.53 – Deleted Info Note
250.62 – Added “Copper Clad” and Minor Rewording
250.64(B) – Grounding conductors not required to comply with minimum cover. **Sig. Change**
250.64(D) – Minor Rewording
250.64(D)(1) – Minor Rewording
250.64(D)(2) – Minor Rewording
250.64(D)(3) – Minor Rewording
250.64(E) – Added Raceways, Minor Rewording, New Format
250.66 – Deleted Info Note, Minor Rewording
Table 250.66 – Added Specificity to Note 1
250.68(C) – Revised Title
250.68(C)(3) – New: UFER (1942 Herbert G.) **Sig. Change**
250.100 – Added 2 Sections and info Note
250.102(C)(1) – Added Reference to New Table
250.102(C)(2) – Minor Rewording and Info Notes
250.104 – “Steel to Metal”
250.104(A)(2) – Minor Rewording
250.104(B) – New Format
250.112(A) – Added “Switchgear”
250.119 – Added 2 Exceptions and Info Note (cables and signals: green ok)
250.119(A) – “Larger than 6 AWG to 4 AWG and Larger
250.121 – New Exception

250.122(B) – Minor Rewording
 250.130(C)(4) – New Way of Grounding Existing Circuit – **Sig. Change**
 250.142(B) Exception 4 – Change 600 Volts to 1000 Volts
 250.146(B) – Minor Rewording
 250.146(D) – Added “Ground”
 250.162(A) – 50 Volts to 60Volts
 250.162(A) Exception 1 – Minor Rewording
 250.166 – Added Max. Size
 250.167 – New Section: (DC GF) **Sig. Change**
 250.170 – Added Switchgear
 250.170Exception 1 – Minor Rewording
 250.174 – Minor Rewording
 250.174(A)&(B) – Added Switchgear
 250.176 – Minor Rewording and Added Switchgear
 X – Changed “over 1KV to over 1000 volts
 250.184(A)(1)(2) – Added “or underground service conductors”
 250.186 – New Section All New for >1,000 Volts with Grounded Conductor – **Sig. Change**
 250.187 – New Number
 250.188 – Minor Rewording
 250.194 – New Section: Sub-Station Fences and Structures – **Sig. Change**
 285.1 – Minor Rewording and Deleted Info Notes
 285.13 – New Section: Type 4’s (Mfr’s Only)
 300 – Title Change
 300.1(A) – Minor Rewording
 300.2(A) – 600 Volts to 1000 Volts
 300.3(C)(1) – 600 Volts to 1000 Volts and New Wording for Discharge Lamps <1,000 Volts
 300.3(C)(2) – 600 Volts to 1000 Volts with conductors also.
 300.5(C) – Added Conductors
 300.5(D) – Added RTRC-XW (Conduit Type)
 300.6(A) – Added Info Note
 300.11(B)(1) – Minor Rewording
 300.22(B) – Minor Rewording
 300.22(C)(1) – Added “Without an Overall Nonmetallic Coating” + Low Smoke Note
 300.38 – New Section - Wet Locations Above Grade >1000 Volts
 300.45 – New Section – Warning Signs >1000 Volts
 300.50(A)(2) – New Section – Industrial >1000 Volts
 310.10(H) – Minor Rewording
 310.15(B)(3) – Minor Rewording
 310.15(B)(3)(5) – New Exception for XHHW-2
 Table 310.15.(B)(3)(a) – Revised Coverage, not just raceways/cables and spares – **Sig. Change**
 Table 310.15(B)(3)(c) – Added Cables
 310.15(B)(7) – New Format, limits ampacity to 83%, no more table – **Sig. Change**
 310.60 Deleted definitions, changed references
 310.60(B)(1) – Minor Rewording, Added Info Note
 Table 310.104(A) – Added 1,000 Volt Rating, Renumbered Notes
 312.5(A) - Minor Rewording
 312.5(C) Exception(g) – Minor Rewording
 312.7 – Minor Rewording
 312.8(3) – Minor Rewording
 312.10 – Deleted Info Note
 312.11(A) – Minor Rewording
 314.15 – New Info for Weep Holes – **Sig. Change**
 314.16(B)(2) – New Info for Clamps in Metal Boxes – **Sig. Change**
 314.25 – New Info for Cover Screws – **Sig. Change**
 314.25(B) – New Qualification (box > 180 sq. inches)
 314.27(A)(1) – “Wall” to “Vertical”
 314.27(C) – Added Two-Family
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314.28(A)(3) – Additional Capacity for Listed Boxes/Conduit Bodies
 324.41 – Changed 36 inches square to 1 meter square
 330.10(A)(1) - Added Specificity and other Minor Rewording
 330.30(B) – New Spacing for Larger Cables
 330.30(D) – New Paragraph for Flexibility
 334.10 – Minor Rewording
 334.12(1) – Added (5)
 19.08.334.14 - **Keep**
 19.08.334.16 – **Keep**
 334.40 – Added Specificity
 338.10(B)(4)(b) – New Exception
 344.30(A) – New Format Same Info
 344.100 – New Section
 348.30(A) Exception 4 – Listed Fitting OK for Support
 350.30(A) Exception 4 – Listed Fittig OK for Support
 350.42 – New Verbage for Fittings
 350.12 – Deleted Previous (4) – Voltage Limitation
 350.30(4) – Listed Fitting OK for Support
 350.60 – Rewrite, Clarification – **Sig. Change**
 370 – Revised Format
 370.2 – Fine Tuned Definition, Added Info Note
 370.10 – Mostly New
 370.12 – Mostly New
 370.18 – New Format, Same Info
 370.20(A)(2) – New
 370.60 – Mostly New
 374.11 – Added 2 Conduit Types, Deleted Info Note
 376.30(B)(1) – New Sentence
 376.30(5) – New Section
 386.120 – New Section
 388.120 – New Sentence
 Table 392.10(A) – Added Specificity
 392.18(H) – New Sentence and Exception
 392.60(A) – Deleted Specificity
 399.2 – Added “In Free Air”
 399.12 – Deleted Section on “Uses Not Permitted”
 Table 400.4 – Updated types, revised notes, renumbered
 400.5(A) – Added “cables” and correction factor
 Table 400.5(A)(1) – Revised types, added sizes
 400.6(A) – Added last sentence
 400.7(A)(11) – New Section – **Action Item – Pat**
 400.23 – New Sentence
 400.31 – New Qualifier
 404.2(C) – Rewritten, Same Info – (3) thru (7) are new – **Sig. Change**
 404.8(C) – Deleted Specificity
 404.10(B) – Added Last Sentence Specifying Screws
 406.3(E) – New Section for Controlled Receptacles + Exception – **Sig. Change**
 406.4(D) – Replacement AFCI & GFCI to be Accessible – **Sig. Change**
 406.4(D)(3) – New Exception, Replacement GFCI – **Sig. Change**
 406.5 – Screws
 406.5(E) – Countertop Receptacles
 406.5(F) – New Section for Seating Areas
 406.9(B)(1) – Deleted Specificity
 406.12 – New Format, Same Info
 406.15 – New Section, Dimmer Controlled Receptacles
 408.3(E) – New Format and Titles
 408.3(E)(2) – New Section for DC
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408.3(F) – New Sentence
 408.3(F)(3) – New Section
 408.3(F)(4) – New Section
 408.3(F)(5) – New Section
 408.4(A) – “Approved Degree of Detail” for Circuit Directories – **Sig. Change**
 408.55(A) – Revised Format, New Title for (A), Info Same
 408.55(B) - New Section
 408.55(C) – New Section
 409.2 – Definitions Removed
 409.20 – Removed “Resistance”, Now All Heating Loads
 410.2 – Deleted One Definition
 410.6 – Added “Retrofit Kits”
 410.10(F) – New Section, Luminaires In/Under Metal Corrugated Roofs – **Sig. Change**
 410.23 – Added Size to Cover Requirement (>180 sq. inches)
 410.130(G)(1) – Deleted Exception 4
 410.141(B) – Minor Rewording
 410.146 – Coordination
 410.151(B) – Specificity, Deleted Info Note
 411 – Added “And Lighting Equipment Connected to Class-2 Power Sources”
 411.1 - Added “And Lighting Equipment Connected to Class-2 Power Sources”
 411.3 – New Section
 411.4 – Added Class 2
 411.4(B) – Deleted Class 2 Power Supply
 411.7 – Minor Rewording
 422.5 – New Section for GFCI Accessibility
 422.11(F)(3) – New Format + Info Note, Additional Verbiage, Specificity
 422.16(B)(1) – Added “In-Sink”
 422.19 – New Section, Conductor Space
 422.20 – New Section, Box Cover
 422.21 – New Section, Combustible Material Cover – **Sig. Change**
 422.23 – New Section, GFCI
 422.31(B) – Lockable Requirement
 422.31(C) – New Format, Same Info
 422.49 – New Format, Added Specificity
 422.51(A) – New Format, Portable Use
 422.51(B) – New Section, GFCI for Hardwire
 424.19 – Added “Feeder or Branch Circuit” + Locking Requirement
 424.19(A)(1)(2) - Locking Requirement
 424.19(B)(1) – Locking Requirement
 424.66(A) – New Format, 2nd Paragraph New, Working Space
 424.66(B) – New Section, Access
 424.86(5) – Marking
 426.50 – Locking Requirement
 426.51 – Locking Requirement
 426.51(D)(3) – Locking Requirement
 427.55 – Locking Requirement
 430.22(G)(1)(1) – Minor Rewording + Specificity
 430.22(2) – Minor Rewording + Specificity
 430.22(2)(1) – Minor Rewording + Specificity
 430.22(2)(2) – Minor Rewording + Specificity
 430.52(C)(5) – Added Specificity
 430.53(D)(2) – Added Specificity
 430.53(D)(3) – Added Specificity
 430.102(A) Exception 1 – Locking Requirement
 430.102(A)(2)(b) – Locking Requirement
 430.102(B) Exception – Locking Requirement
 430.113 Exception 1 – Locking Requirement
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430.130 – New Section – **Action Item, Pat**
430.130(A) – **Action Item, Pat**
430.130(B) – **Action Item, Pat**
430.131 – **Action Item, Pat**
430.227 – Locking Requirement
430.233 – Changed >150 Volt to >50 Volt Guards Required – **Sig. Change**
440.14 Exception – Locking Required
445.11 – Minor Deletions, Moved to new Paragraphs 2 & 3
445.17 – New Exception
445.18 – New Format, (1) & (2) Are New
445.20 – New Section, GFCI for Receptacles on 15 KW Gensets
Table 450.3(A) – Added Specificity

- **Chris reviews Appendix C of the IEBC – Minor Rewording, Same Meaning.**

V. Remaining Action Items

- Pat to continue review of 2014 NEC

VI. New Action Items

- Pat to re-review New Sections 440.7(A)(1), 430.130 and 430.131

VII. Old Business

- **Progress on 2015 Code Review:**
Doug completed review of the 2015 Uniform Plumbing Code
Charlie completed review of the 2015 IPMC
Charlie completed review of 2015 IEBC
Pat reviews the 2014 NEC thru Table 450.3(A).

VIII. New Business

None

IX. Schedule for Next Committee Meeting

- TBD
- **Adjournment**
6:25PM