

**OKLAHOMA UNIFORM BUILDING CODE COMMISSION**

**ELECTRICAL TECHNICAL COMMITTEE  
MEETING MINUTES**

**CONSTRUCTION INDUSTRIES BOARD/UNIFORM BUILDING CODE COMMISSION  
CONFERENCE ROOM**

**2401 NW 23RD STREET, SUITE 2F**

**OKLAHOMA CITY, OK 73107**

**November 28, 2018 - 1:30 P.M.**

**COMMITTEE MEMBERS PRESENT:**

Ross Barrick, Jack Bradley, James Sorenson, and John Staires

**COMMITTEE MEMBERS ABSENT:**

David Adcock, Samuel Haberman, Steve Nievar, Derric Pruitt, and Anthony Stewart

**ALTERNATE MEMBERS PRESENT:**

Larry Rogers

**ALTERNATE COMMITTEE MEMBERS ABSENT:**

Samuel Haberman, and Derric Pruitt

**OTHERS PRESENT:**

Billy Pope (Staff – OUBCC) and Lindsay Heinrichs (Staff-OUBCC)

**CALL TO ORDER:**

Mr. John Staires called the meeting of the Oklahoma Uniform Building Code Commission (OUBCC), Electrical Technical Committee (ETC) to order at 1:34 p.m. in the Construction Industries Board/Uniform Building Code Commission Board Room at Shepherd Mall, 2401 NW 23rd St., Suite 2F, Oklahoma City, OK 73107.

**CONFIRMATION OF ALTERNATES:**

Mr. Staires asked Ms. Heinrichs to identify any alternates present and if they would be able to motion and vote. Ms. Heinrichs noted Mr. Larry Rogers was in attendance and would have an ability to motion and vote since Mr. Steve Nievar was absent.

**DISCUSSION AND ACTION ITEMS:**

*Discussion and possible approval of the October 17, 2018 technical meeting minutes*

Mr. Staires stated the first item was the approval of the October 17, 2018 minutes. He gave the committee a few minutes to review the minutes.

**MR. JACK BRADLEY MADE A MOTION WITH A SECOND BY MR. JAMES SORENSON  
TO APPROVE THE OCTOBER 17, 2018 MEETING MINUTES**

**VOTING AYE:**        Ross Barrick  
                         Jack Bradley  
                         Larry Rogers  
                         James Sorenson

John Staires

VOTING NAY: None

ABSENT: David Adcock  
Samuel Haberman  
Steve Nievar  
Derric Pruitt  
Anthony Stewart

ABSTAIN: None

Discussion and possible action on the review of Article 90 of the 2017 National Electrical Code®

Mr. Staires stated this section was an active part of the NEC®. He added he was not aware of any changes to the Article 90. He asked the committee if anyone wanted to discuss Article 90. The committee discussed there was a few grammar changes.

MR. JAMES SORENSON MADE A MOTION WITH A SECOND BY MR. LARRY ROGERS TO APPROVE ARTICLE 90 AS WRITTEN

VOTING AYE: Ross Barrick  
Jack Bradley  
Larry Rogers  
James Sorenson  
John Staires

VOTING NAY: None

ABSENT: David Adcock  
Samuel Haberman  
Steve Nievar  
Derric Pruitt  
Anthony Stewart

ABSTAIN: None

Discussion and possible action on the review of CCF # 12, Article 100 – Definitions

Mr. Barrick stated the code had required a plaque or permanent directory, but there was not a definition for either word. He added he had noticed sticky signs in replace of a plaque. He added the alternative energy industry had to go inspect some interconnection points which was where he found details on sticky labels instead of plaques. He added the sticky labels had some that were coming lose. He noted the assumption was to make plaques stay and most were not. He stated he had thought about putting the definition in Article 705, but with conversations from other people in the industry he decided to put it in Article 100 because the word “plaque” was used throughout the NEC®. There was discussion on the definition of the word “plaque” in the Webster’s Dictionary and how he put the definition into his comment form. Mr. Staires asked Mr. Barrick if it was his intention to apply to any labeling required in the NEC® as a plaque citing in Article 110.22. Mr. Barrick stated the problem he was running into was the NEC® grouped everything

into labeling for instance in Article 705 it stated to refer to Article 110.23 where the NEC® referred to plaques. He added the NEC® had grouped together and called it a label when it was referred to a plaque which was why he had put the substitute for a label in the last sentence. There was more discussion on the NEC® using the word plaque or directory and adding the words “excluding circuit directories” and the excluding the words “warning sign” in the last sentence. There was some discussion on the words warning label verses the words warning sign. There was clarification on the plaque if it was a directory of location, what it controls, and what circuits control it. There was further discussion on the items that were being used as plaques which were not staying in place.

MR. ROSS BARRICK MADE A MOTION WITH A SECOND BY MR. JAMES SORENSON TO APPROVE CCF #12 WITH MODIFICATIONS BY ADDING THE WORD “CORROSION” AFTER THE WORD “RAIN” IN THE FIRST SENTENCE; AND IN THE LAST SENTENCE STIKING THE WORDS “WARNING SIGN” AND ADDING AT THE END AFTER THE WORD LABEL, “ EXCLUDING CIRCUIT DIRECTORIES”

VOTING AYE:        Ross Barrick  
                         Jack Bradley  
                         Larry Rogers  
                         James Sorenson  
                         John Staires

VOTING NAY:        None

ABSENT:             David Adcock  
                         Samuel Haberman  
                         Steve Nievar  
                         Derric Pruitt  
                         Anthony Stewart

ABSTAIN:            None

*Discussion and possible action on the review of CCF #13, Article 410, Luminaires, Lampholders, and Lamps, 410.2 Definitions, and XVI – Special Provisions for Horticultural Lighting Equipment*

Mr. Barrick stated the information in the comment form was directly from the NFPA® Code Making Panel 18. He noted the wording had gone through one out of two reviewing and hearing processes; adding eleven ballots were sent out and ten of them were returned with a vote to accept the added language. He noted the information was in the second round to be approved; and generally the information would be approved if it made it through the first round. He stated there was two fine print notes and was usually after talking with Ms. Kathy Hehnlly concerning the rule process the OUBCC cannot adapt notes, so he decided to add two definitions instead. He noted he decided to add the items to Article 410.2 under Definitions instead of Article 100 because the words were not used anywhere else in the NEC®. He stated the second part of the comment form added sections with new language for indoor horticultural lighting for plant growth. He added luminaires put off a lot of heat depending on the environment they were in. He noted Article 5 addresses the classification areas, where they were installed, then in Article 14.74 addresses specific horticultural lighting equipment and there were manufactures installation instructions. He added the language was likely to be in the 2020 NEC® because he received it from the NFPA®

code making panel 18. Mr. Staires stated he had heard the added language had past the second ballot, but there might be a few minor changes to the language with the grammar and to keep in mind the language would only be for one code cycle because this language would be in the 2020 NEC®.

MR. JOHN STAIRES MADE A MOTION WITH A SECOND BY MR. JAMES SORENSON TO APPROVE CCF #13 AS WRITTEN

VOTING AYE:        Ross Barrick  
                         Jack Bradley  
                         Larry Rogers  
                         James Sorenson  
                         John Staires

VOTING NAY:        None

ABSENT:             David Adcock  
                         Samuel Haberman  
                         Steve Nievar  
                         Derric Pruitt  
                         Anthony Stewart

ABSTAIN:            None

Mr. Staires stated before the committee moved on, since the committee had approved comment forms #12 and #13 the committee needed to vote on Chapter 1 and 4 to approve the modifications that were made. The committee agreed.

MR. JOHN STAIRES MADE A MOTION WITH A SECOND BY MR. JACK BRADLEY TO APPROVE CHAPTER 1 AS MODIFIED

VOTING AYE:        Ross Barrick  
                         Jack Bradley  
                         Larry Rogers  
                         James Sorenson  
                         John Staires

VOTING NAY:        None

ABSENT:             David Adcock  
                         Samuel Haberman  
                         Steve Nievar  
                         Derric Pruitt  
                         Anthony Stewart

ABSTAIN:            None

MR. JOHN STAIRES MADE A MOTION WITH A SECOND BY MR. LARRY ROGERS TO APPROVE CHAPTER 4 AS MODIFIED

VOTING AYE: Ross Barrick  
Jack Bradley  
Larry Rogers  
James Sorenson  
John Staires

VOTING NAY: None

ABSENT: David Adcock  
Samuel Haberman  
Steve Nievar  
Derric Pruitt  
Anthony Stewart

ABSTAIN: None

*Discussion and possible action on the review of Chapter Five of the 2017 National Electrical Code®*

Discussion and possible action on ETC CCF #10, Article 555.9 –Electrical Connections

Mr. Staires stated submitted this comment form because he wanted to prevent another issue with electrocution. There was discussion on the incident which happened in Oklahoma City in bricktown area where a man grabbed ahold of a luminary both the man and luminary fell into the water. He added the language he submitted required the luminaries to be at least 5 feet away from a body of water. There was discussion on an exception for using low voltage limit and adding language in the comment form to apply for luminaires which operate above the low voltage limit of 15 volts AC and 30 Volts DC. Mr. Staires stated that may not have affect because luminary might have been LED, but the branch circuit conductors going to the luminary could have been 220. He also added he wasn't sure how this would apply to all voltages other then moving the luminary away from the water's edge. The committee discussed different options and the alternative ways of addressing the issue. Mr. Sorenson asked if the committee could table this comment form along with #11 and Chapter 6. The committee agreed.

*Discussion and possible action on the review of Chapter Six of the 2017 National Electrical Code®*

The committee agreed to table this item.

*Discussion and possible action on ETC CCF #11, Article 682.10 Electrical Equipment and Transformers*

The committee agreed to table the chapter per the previous discussion.

*Discussion and possible action on public comment forms received to date, if any:*

There were no public comment forms submitted

*Assignment to review for the December 5, 2018 meeting*

Mr. Staires stated he wouldn't be at the December 5, 2018 meeting, but Mr. Sorenson would and if the committee agreed to have the meeting. The committee agreed to have the meeting and to review and discuss CCF #14 and Chapter 7.

**PUBLIC COMMENTS:**

There were no public comment.

**ADJOURNMENT: 2:22 p.m.**

MR. JACK BRADLEY MADE A MOTION WITH A SECOND BY MR. LARRY ROGERS TO ADJOURN

VOTING AYE:        Ross Barrick  
                         Jack Bradley  
                         Larry Rogers  
                         James Sorenson  
                         John Staires

VOTING NAY:        None

ABSENT:             David Adcock  
                         Samuel Haberman  
                         Steve Nievar  
                         Derric Pruitt  
                         Anthony Stewart

ABSTAIN:            None

Minutes approved in Committee Meeting on the 9<sup>th</sup> day of January, 2019.

JOHN STAIRES  
Mr. John Staires, Chairman  
Electrical Technical Committee

PREPARED BY: LINDSAY HEINRICHS  
Ms. Lindsay Heinrichs, Administrative Assistant  
Oklahoma Uniform Building Code Commission

*Official Copy: Original with signatures in office file*