

COURSE APPLICATION GENERAL INFORMATION

TEMPORARY WIRING INSTALLATIONS for Construction Type Activities (Advanced) – simplified.

FBC ADVANCED COURSE # 1296.0

COURSE PROVIDER:

NATIONAL CODE SEMINARS

Steven J. Owen

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STEVEN J. OWEN has been active in the electrical industry for over 50 years. Starting as an Apprentice Electrician; working up to Superintendent, Project Manager, Electrical Engineer, Senior Electrical Designer and Chief Code Analyst. Steve has worked on projects ranging from one-person-operations to projects in which he was responsible for the supervision of 550 electricians and an electrical budget of 25 million dollars.

COURSE TITLE:

NATIONAL ELECTRICAL CODE –*TEMPORARY WIRING INSTALLATIONS for Construction Type Activities (Advanced) – simplified.*

COURSE DESCRIPTION:

This course will simplify the understanding of what TEMPORARY WIRING is and is not, including maintaining temporary electrical distribution equipment..

SPECIFIC COURSE LEARNING OBJECTIVES:

This course will provide the student with an understanding of the most basic requirement for the “when and where” ... to the wiring methods and materials permitted for temporary installations.

NUMBER OF CLASSROOM HOURS:

1 hour of continuing education for this Electrical course

COURSE CATEGORY:
Advanced Module - Electrical

CODE EDITION:
2020 National Electrical Code

METHOD OF PRESENTATION:
Instructor-Led Lecture - Classroom

OUTLINE/TIMELINE

1. When are where temporary wiring methods are permitted 20 minutes
to be used – section 590.6.
2. THE MOST BASIC RULE OF TEMPORARY INSTALLATIONS ... 15 minutes
590.2(A) and on into 590.3, 590.4
3. A lot of GFCI PROTECTION required – 590.6(A) & (B) 15 minutes
4. Maintenance requirements – 590.8 10 minutes
- Total Time 60 minutes

COURSE SYLLABUS

***TEMPORARY WIRING INSTALLATIONS for Construction Type Activities
(Advanced) – simplified.***

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INSTALLATIONS for Construction Type Activities – simplified.***

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590.2(A) and on into 590.3, 590.4
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Course Handout

COURSE TITLE:

NATIONAL ELECTRICAL CODE –TEMPORARY WIRING INSTALLATIONS for Construction Type Activities (Advanced) – simplified.

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Outline Material for Discussion

1. When and where are temporary installation wiring methods permitted to be used?

For temporary power used during construction, including remodeling, maintenance, repair, or demolition of buildings, structures, equipment or similar activities where power is derived from an electric utility company, or an on-site-generated power source.

2. **THE MOST BASIC RULE OF TEMPORARY INSTALLATIONS** is

“EXCEPT AS SPECIFICALLY MODIFIED IN THIS ARTICLE, ALL OTHER REQUIREMENTS OF THIS *CODE* FOR PERMANENT WIRING SHALL APPLY TO TEMPORARY WIRING INSTALLATIONS” – National Electrical Code 2020 edition; Section 590.2(A).

This is it. *There are no shortcuts*, and this article does not modify much, except to permit types NM, NMC, SE and hard usage or extra hard usage cables of Article 400 for feeders or branch circuits (*only per their listing instructions*). *The other modification is the required use of ground-fault protection for personnel, which means lots of GFCI protection.*

3. GFCI PROTECTION is required for ...

- (1) Receptacles not part of the permanent wiring,
- (2) Receptacle outlets existing or installed as permanent wiring
- (3) Receptacle on 15kW or less portable generators
- (4) Other receptacle outlets

National Electrical Code 2020 edition; Section 590.6

4. Maintenance requirements ...

Overcurrent protective devices that have been previously used and are installed in temporary installations shall be examined to ensure that they have been properly installed and properly maintained, and there is no evidence of impending failure.

National Electrical Code 2020 edition; Section 590.8(A) Where Reused.

FYI ... carefully read the manufacturer's instructions and/or call the manufacturer before accepting test results from the portable GFCI test instruments that are available. You may be surprised by the manufacturer's comments regarding the proper method to test GFCI protective devices.

THIS REMAINING SPACE (below) IS FOR NOTES (if you wish)

COURSE MATERIALS

*TEMPORARY WIRING INSTALLATIONS for Construction Type Activities
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FBC Advanced Course #1296.0

COURSE MATERIALS

Referenced and/or used in class

NFPA 70 National Electrical Code - 2020

*NFPA 70B Standard for Electrical Equipment
Maintenance – 2023 (or earlier)*

NFPA 70E – Electrical Safety in the Workplace -2021

Students shall bring their own copy or other means of access to the 2020 NEC. Students shall provide a form of identification. Students shall attend entire class and will not receive certificate of completion until the end of the class. Students shall behave in a responsible manner during class.

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Course Evaluation

Course Title: _____ Instructor: _____ Date: _____

Please answer the following questions to help us evaluate the course.

- (1) Not Applicable
- (2) Strongly Disagree
- (3) Disagree
- (4) Agree
- (5) Strongly Agree

Instructor

- | | | | | | |
|---|---|---|---|---|---|
| 1. Instructor appeared to be knowledgeable in the subject matter | 1 | 2 | 3 | 4 | 5 |
| 2. Instructor was well prepared | 1 | 2 | 3 | 4 | 5 |
| 3. Instructor's presentation was presented in a professional manner | 1 | 2 | 3 | 4 | 5 |

Training Media

- | | | | | | |
|--|---|---|---|---|---|
| 1. Training Film presented was up-to-date and accurate | 1 | 2 | 3 | 4 | 5 |
| 2. Training Slides presented was up-to-date and accurate | 1 | 2 | 3 | 4 | 5 |

Training Subject

- | | | | | | |
|---|---|---|---|---|---|
| 1. Objectives of the course were well defined and clearly presented | 1 | 2 | 3 | 4 | 5 |
| 2. Course content accurately reflected the course objectives | 1 | 2 | 3 | 4 | 5 |
| 3. Course content was challenging | 1 | 2 | 3 | 4 | 5 |

Training Facilities

- | | | | | | |
|--|---|---|---|---|---|
| 1. Classroom facilities were adequate | 1 | 2 | 3 | 4 | 5 |
| 2. Course time was adequate for the material covered | 1 | 2 | 3 | 4 | 5 |

Please include any additional information that you would like to share: _____

NATIONAL CODE SEMINARS /

STEVEN J. OWEN

ELECTRICAL CONSULTANT

253 OAKFORST TRAIL, PELHAM, AL

Alabama / Alaska / Arkansas / Colorado / Connecticut / Delaware / Florida / Georgia / Iowa / Idaho / Kentucky / Maine / Maryland / Michigan / Minnesota / Missouri / Montana / Nebraska / New Hampshire / New Jersey / New Mexico / No Carolina / No Dakota / Ohio / Oklahoma / Oregon / Pennsylvania / Rhode Island / So Dakota / Texas / Utah / Vermont / Virginia / Washington / Wisconsin / Wyoming

Continuing Education for Electrical License Renewal for 34 States

STATE OF FLORIDA

FBC Advanced Course # 1296.0 – Temporary Wiring Installations for

Construction Type Activities (Advanced) - simplified

Provider—National Code Seminars - Provider # PVD 183 – 0000929

Mr. Steven J. Owen

FLORIDA LICENSE # EC 0001792

Has completed 1 hour of classroom instruction in Alabaster, AL;
At NATIONAL CODE SEMINARS CONF RM; 01/08/2025


Steven J. Owen
Electrical Consultant

Signature of Instructor _____

Date _____


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