

Nonresidential forms can be found here: energycodeace.com/nonresidentialforms such as Adobe Acrobat Reader 2017.



CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b) for alterations.

Project Name: NRCC-ENV-E New Office Building Report Page: Page 1 of 5
 Project Address: 1234 Any Pl Date Prepared: 8/21/2020

A. GENERAL INFORMATION

01 Project Location (city) San Jose
 Office Retail Warehouse Hotel/Motel School Support Areas
 Parking Garage High-Rise Residential Relocatable Healthcare Facilities Other (Write In):

Hover over these ? in the NRCC dynamic form to get helpful tips when filling out the form.

Coordination with the mechanical or lighting designers may be necessary if demand response controls are required.

B. PROJECT SCOPE

Selections in Table B will trigger other applicable tables throughout this form.

Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05	06
Electrical Service Designation/Description	This is where you will specify if the electrical service is new, altered, replaced or an addition. Scope of Work ¹	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a) ²	System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b)	Demand Response Controls
Main Service	New electrical service equipment & meter	235	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.

Be sure to refer to the sections listed if you are unfamiliar with the code requirements.

Add a description/designation that will be easy for the Building Official to find on the plans.

¹ FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.

² Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

Add rows if there are multiple electrical services within the permit application.

C. COMPLIANCE RESULTS

Table C will be consistent on all forms and shows what the compliance results are as the form is filled out.

Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D. for guidance and review the Table that indicates "No".

01	02	03	04	05
Service Electrical Metering §130.5(a) (See Table F)	Separation for Monitoring §130.5(b) (See Table G)	Voltage Drop §130.5(c) (See Table H)	Controlled Receptacles §130.5(d) (See Table I)	Compliance Results
AND	AND	AND	AND	COMPLIES with Exceptional Conditions
AND	AND	AND	AND	

Compliance at the project level must be verified in column 5 at the end of completing this form in order to comply with the energy code. All compliance categories (01-04) must either = "Yes" or be grayed out for project level compliance.



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D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

This note for the plans examiner was generated by the form because Table B column 04 was checked.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Include any project comments about the form for the Building Official or installer here.

F. SERVICE ELECTRICAL METERING
This Section Does Not Apply
 This section does not apply based on the project scope selected in Table B.

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
Table Instructions: Complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b). Using the dropdown choices in column 01, indicate the load types included for each service. Any load types that are not included in the service do not need to be shown.

Electrical Service Designation/Description:	01	02	03	04	05	
	Column 02 populates based on the Load Type selected in Column 01 and the kVA entered in Table B column 03.	Minimum Required Separation of Load per Table 130.5-B	Compliance Method ²	Location of Requirements in Construction Documents	Field Inspector	
					Pass	Fail
Lighting including exit, egress and exterior HVAC systems and components	All lighting in aggregate	Method 2	Method 2	Sheet E-2, Panel A	<input type="checkbox"/>	<input type="checkbox"/>
Plug Loads and appliances < 25kVA	All HVAC in aggregate	Method 2	Method 2	Sheet E-2, Panel B	<input type="checkbox"/>	<input type="checkbox"/>
Charging stations for electric vehicles	All plug load in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	Method 2	Method 2	Sheet E-2, Panel C	<input type="checkbox"/>	<input type="checkbox"/>
	All loads in aggregate	Method 2	Method 2	Sheet E-2, Panel D	<input type="checkbox"/>	<input type="checkbox"/>

Check the footnotes if you are unsure what compliance method to select.

If there is more than one electrical service added in Table B, you will need to add the load types for each service separately.

* NOTES: If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.

Be specific here to allow the Building Official to verify compliance easily.

Check back in Table C to see if Table G complies!

Electrical Power Distribution

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¹ FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.

² Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type

Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type

Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring

Method 4: Complete metering system measures and reports loads by type

See [Chapter 8 of the Nonresidential Compliance Manual](#) for more detail on Compliance Methods.

If any selection with a * is used to comply, the permit applicant must give more detail in the *NOTES section for Table C to say complies.

H. VOLTAGE DROP

Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Piii.

01	02	03	04	05
Electrical Service Designation/ Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
Main Service	<input checked="" type="checkbox"/> Voltage drop < 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to §130.5(c))*	In construction documents	Sheet E-2	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

NOTES If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.

¹ FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

Check back in Table C to see if Table H complies!

If none of these space types are included in the project, you can enter "None" in column 01 & choose "NA. No applicable space types on this service" in column 02.

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01	02	03	04	05	06
Room Name or Description	Location/ Type of Controlled Receptacles	Shut-Off Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector
Office Areas	Split-wired receptacles	Occupancy Sensor	<input checked="" type="checkbox"/>	Sheet E-4	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Lobby	Split-wired receptacles	Occupancy Sensor	<input checked="" type="checkbox"/>	Sheet E-4	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Conference Room	Split-wired receptacles	Occupancy Sensor	<input checked="" type="checkbox"/>	Sheet E-4	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
				Add Row	Remove Last

Table Continued

Include all rooms that this requirement applies to with an accurate room name/description, so that it is easy for the Building Official to find in the plans set.

Check back in Table C to see if Table I complies!

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CALIFORNIA ENERGY COMMISSION

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01	02	03	04	05	06
Room Name or Description	Location/ Type of Controlled Receptacles	Shut-Off Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector Pass Fail

* If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>		Pass Fail
			<input type="checkbox"/>

Every project which requires an NRCC-ELC-E form will also require an NRCI-ELC-01-E form. This form is completed by the installer and given to the inspector.

NRCI-ELC-01-E - Must be submitted for all buildings.

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

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After completing the signature block, print the form to PDF to make it "static" and put it on the planelist, or send to the responsible person for their signature. Be sure to save a copy of the dynamic form in case any edits need to be made.

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company :	Date Signed:
Address:	License:
City/State/Zip:	Phone:

For training on the NRCC forms, visit Energy Code Ace:

2019 Dynamic Form Introduction Video Series: [youtube.com/playlist?list=PLVH9EjkDaO5IMvxvVJg2oDwq2B3wJlTQ1](https://www.youtube.com/playlist?list=PLVH9EjkDaO5IMvxvVJg2oDwq2B3wJlTQ1)

Decoding NRCC: Let's Talk 2019 Nonresidential Dynamic Forms Handout and Recording: energycodeace.com/content/training-ace/courseId=35705