

# Title 24 - California Energy Code Compliance Forms

## Electrical Power Distribution Indoor Lighting Outdoor Lighting

### New Industrial Building

RD Properties

Avenue L and Business Center Parkway  
Lancaster, Ca. 93525

E. Michael Loudon, P.E.  
February 16, 2016

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
Electrical Power Distribution  
Project Name: RD PROPERTIES - INDUSTRIAL BUILDING  
Date Prepared: 2-15-16

A. General Information  
Climate Zone: 14  
Conditioned Floor Area: 23532  
Unconditioned Floor Area: 11242

Building Type: Nonresidential  
Phase of Construction: New Construction

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
Electrical Power Distribution  
Project Name: RD PROPERTIES  
Date Prepared: 2-15-16

B. Electrical Service Metering  
Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below.

Table 130.5-A - MINIMUM REQUIREMENTS FOR METERING OF ELECTRICAL LOAD

| Meter Rating (kVA)                    | 50 kVA or less | More than 50 kVA and less than or equal to 250 kVA | More than 250 kVA and less than or equal to 1000 kVA | Services rated more than 1000 kVA |
|---------------------------------------|----------------|----------------------------------------------------|------------------------------------------------------|-----------------------------------|
| Instantaneous (at the time) kW demand | Required       | Required                                           | Required                                             | Required                          |
| Historical peak demand (kW)           | Not required   | Not required                                       | Required                                             | Required                          |
| Resettable kWh                        | Required       | Required                                           | Required                                             | Required                          |
| kWh per rate period                   | Not required   | Not required                                       | Not required                                         | Required                          |

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
Electrical Power Distribution  
Project Name: RD PROPERTIES  
Date Prepared: 2-15-16

C. Disaggregation of Electrical Circuits  
Each newly installed switchboard, panel, and motor control center (in both existing and newly constructed buildings) is required to be disaggregated according to the requirements of Table 130.5-B, shown on the next page.

Table 130.5-B - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD

| Load Type                                                                                                                                          | Services rated 50 kVA or less | Services rated more than 50 kVA and less than or equal to 250 kVA | Services rated more than 250 kVA and less than or equal to 1000 kVA | Services rated more than 1000 kVA                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------|
| Lighting including exit and egress lighting and exterior lighting                                                                                  | Not required                  | All lighting in aggregate                                         | All lighting in aggregate                                           | All lighting in aggregate                                      |
| HVAC systems and components including chillers, fans, heaters, furnaces, package units, cooling towers, and circulation pumps associated with HVAC | Not required                  | All HVAC in aggregate                                             | All HVAC in aggregate and each HVAC load rated at least 50 kVA      | All HVAC in aggregate and each HVAC load rated at least 50 kVA |
| Domestic and service water system pumps and related systems and components                                                                         | Not required                  | All loads in aggregate                                            | All loads in aggregate                                              | All loads in aggregate                                         |
| Plug load including appliances rated less than 25 kVA                                                                                              | Not required                  | All plug load in aggregate                                        | All plug load in aggregate                                          | All plug load in aggregate                                     |
| Elevators, escalators, moving walks, and transit systems                                                                                           | Not required                  | All loads in aggregate                                            | All loads in aggregate                                              | All loads in aggregate                                         |
| Other individual non-HVAC loads or appliances rated 25 kVA or greater                                                                              | Not required                  | All                                                               | Each                                                                | Each                                                           |
| Industrial and commercial load centers 25 kVA or greater including theatrical lighting installations and commercial kitchens                       | Not required                  | All                                                               | Each                                                                | Each                                                           |
| Renewable power source (net or total)                                                                                                              | Each group                    | Each group                                                        | Each group                                                          | Each group                                                     |
| Loads associated with renewable power source                                                                                                       | Not required                  | All loads in aggregate                                            | All loads in aggregate                                              | All loads in aggregate                                         |
| Charging stations for electric vehicles                                                                                                            | All loads in aggregate        | All loads in aggregate                                            | All loads in aggregate                                              | All loads in aggregate                                         |

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
Electrical Power Distribution  
Project Name: RD PROPERTIES  
Date Prepared: 2-15-16

D. Disaggregation of Electrical Circuits (continued)

Table 130.5-B - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD

| Load Type                                                                                                                                          | Services rated 50 kVA or less | Services rated more than 50 kVA and less than or equal to 250 kVA | Services rated more than 250 kVA and less than or equal to 1000 kVA | Services rated more than 1000 kVA                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------|
| Lighting including exit and egress lighting and exterior lighting                                                                                  | Not required                  | All lighting in aggregate                                         | All lighting in aggregate                                           | All lighting in aggregate                                      |
| HVAC systems and components including chillers, fans, heaters, furnaces, package units, cooling towers, and circulation pumps associated with HVAC | Not required                  | All HVAC in aggregate                                             | All HVAC in aggregate and each HVAC load rated at least 50 kVA      | All HVAC in aggregate and each HVAC load rated at least 50 kVA |
| Domestic and service water system pumps and related systems and components                                                                         | Not required                  | All loads in aggregate                                            | All loads in aggregate                                              | All loads in aggregate                                         |
| Plug load including appliances rated less than 25 kVA                                                                                              | Not required                  | All plug load in aggregate                                        | All plug load in aggregate                                          | All plug load in aggregate                                     |
| Elevators, escalators, moving walks, and transit systems                                                                                           | Not required                  | All loads in aggregate                                            | All loads in aggregate                                              | All loads in aggregate                                         |
| Other individual non-HVAC loads or appliances rated 25 kVA or greater                                                                              | Not required                  | All                                                               | Each                                                                | Each                                                           |
| Industrial and commercial load centers 25 kVA or greater including theatrical lighting installations and commercial kitchens                       | Not required                  | All                                                               | Each                                                                | Each                                                           |
| Renewable power source (net or total)                                                                                                              | Each group                    | Each group                                                        | Each group                                                          | Each group                                                     |
| Loads associated with renewable power source                                                                                                       | Not required                  | All loads in aggregate                                            | All loads in aggregate                                              | All loads in aggregate                                         |
| Charging stations for electric vehicles                                                                                                            | All loads in aggregate        | All loads in aggregate                                            | All loads in aggregate                                              | All loads in aggregate                                         |

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
Electrical Power Distribution  
Project Name: RD PROPERTIES  
Date Prepared: 2-15-16

E. Voltage Drop  
Attach voltage drop worksheet to this form.  
Field Inspector has discretion to approve the worksheets; the tables shown below in this section are advisory only.  
Feeder conductors and branch circuits that are dedicated to emergency services are exempt from these requirements.  
An advisory table of typical power factors is shown below.

See attached sheet 1 and 2.

Field Inspector: Pass Fail

Feeder conductors shall be sized for a maximum voltage drop of 2 percent at design load.  
Branch circuits shall be sized for a maximum voltage drop of 3 percent at design load.

Compliance Manual, Chapter 8, Table 8-2: Typical Power Factors for Voltage Drop Calculations

| Load Type                            | Default Power Factor at 120 volts | Default Power Factor at 277 volts | Clarifying Notes                                                   |
|--------------------------------------|-----------------------------------|-----------------------------------|--------------------------------------------------------------------|
| Fluorescent lighting                 | 0.95                              | 0.95                              |                                                                    |
| Compact fluorescent lighting         | 0.9 (hardwired)<br>0.5 (GU-24)    | 0.9 (hardwired)<br>0.3 (GU-24)    | NF magnetic ballasts use GU-24 values                              |
| LED lighting                         | 0.7                               | 0.5                               | May be higher if specifications call for high power factor drivers |
| Incandescent lighting                | 1.0                               | 1.0                               |                                                                    |
| HID lighting                         | 0.9                               | 0.9                               | May be lower if NF ballasts are specified                          |
| HVAC packages                        | 0.85                              | 0.85                              |                                                                    |
| Other motors < 5 HP                  | 0.8                               | 0.8                               |                                                                    |
| Other motors > 5 HP                  | 0.85                              | 0.85                              |                                                                    |
| Kitchen equipment                    | 0.9                               | N/A                               |                                                                    |
| Receptacles                          | 0.6                               | N/A                               | For dedicated receptacles, may be rated according to the load      |
| Electric heating including hot water | 1.0                               | 1.0                               |                                                                    |
| Other                                | 0.85                              | 0.85                              |                                                                    |

RD Properties - Industrial Building  
Page 1 of 2  
2/15/2016 AVEngr EML

VOLTAGE DROP CALCULATION

Site data:  
1. Feeder P1: Load = 117A, 4#3/0 Cu. Wire, 208volts, 30 ft.; panel P1.  
2. Feeder P2: Load = 117A, 4#3/0 Cu. Wire, 208volts, 70 ft.; panel P2.  
3. Feeder P3: Load = 117A, 4#3/0 Cu. Wire, 208volts, 110 ft.; panel P3.  
4. Feeder P4: Load = 117A, 4#3/0 Cu. Wire, 208volts, 150 ft.; panel P4.  
5. Feeder P5: Load = 117A, 4#3/0 Cu. Wire, 208volts, 190 ft.; panel P5.  
6. Feeder P6: Load = 117A, 4#3/0 Cu. Wire, 208volts, 230 ft.; panel P6.  
7. Feeder HP: Load = 43A, 4#2 Cu. Wire, 208volts, 1 phase, 10 ft.; panel HP.

Calculation basis:  
Basic formula for voltage drop:  $V_d = 2 \times k \times I \times L \times 1 / 0.866 / \text{cmil}^2$  (3 phase) where:  
Vd = actual volts drop.  
k = wire type factor, 12 for copper wire.  
L = circuit distance in feet.  
I = Load in amps.  
cmil = circular mils area of wire per NEC table 8, Chapter 9.

Voltage limits:  
Maximum % Vd for feeders per T24 = 2%.  
At 208volts, the maximum actual drop would then be 4.16 volts.

Voltage drop calculation:  
Feeder 1:  $V_d = 2 \times 12 \times 30 \times 117 \times 0.866 / 167800 = 0.435$  volts.  
%Vd =  $0.435 \times 100 \times 0.866 / 208 = 0.21\%$   
Feeder 2:  $V_d = 2 \times 12 \times 70 \times 117 \times 0.866 / 167800 = 1.01$  volts.  
%Vd =  $1.01 \times 100 / 208 = 0.49\%$   
Feeder 3:  $V_d = 2 \times 12 \times 110 \times 117 \times 0.866 / 167800 = 1.59$  volts.  
%Vd =  $1.59 \times 100 / 208 = 0.77\%$   
Feeder 4:  $V_d = 2 \times 12 \times 150 \times 117 \times 0.866 / 167800 = 2.17$  volts.  
%Vd =  $2.17 \times 100 / 208 = 1.05\%$   
Feeder 5:  $V_d = 2 \times 12 \times 190 \times 117 \times 0.866 / 167800 = 2.75$  volts.  
%Vd =  $2.75 \times 100 / 208 = 1.32\%$   
Feeder 6:  $V_d = 2 \times 12 \times 230 \times 117 \times 0.866 / 167800 = 3.33$  volts.  
%Vd =  $3.33 \times 100 / 208 = 1.60\%$   
Feeder 7:  $V_d = 2 \times 12 \times 10 \times 43 \times 0.866 / 86360 = 0.1347$  volts.  
%Vd =  $0.1347 \times 100 / 208 = 0.06\%$

RD Properties - Industrial Building  
Page 2 of 2  
2/15/2016 AVEngr EML

VOLTAGE DROP CALCULATION

Site data:  
Branch circuits:  
1. Outdoor circuit HP-1: Load = 4A, 2#10 Cu. Wire, 120volts, 240 ft.;  
2. Outdoor circuit HP-3: Load = 4A, 2#10 Cu. Wire, 120volts, 230 ft.;  
3. Light circuit HP-11: Load = 6A, 2#10 Cu. Wire, 120volts, 250 ft.;

Calculation basis:  
Basic formula for voltage drop:  $V_d = 2 \times k \times I \times L \times 1 / \text{cmil}^2$  (1 phase) where:  
Vd = actual volts drop.  
k = wire type factor, 12 for copper wire.  
L = circuit distance in feet.  
I = Load in amps.  
cmil = circular mils area of wire per NEC table 8, Chapter 9.

Voltage limits:  
Maximum % Vd for branch circuits per T24 = 3%.  
At 120volts, the maximum actual drop would then be 3.6 volts.

Voltage drop calculation:  
HP-1:  $V_d = 2 \times 12 \times 240 \times 4 / 10380 = 2.22$  volts.  
%Vd =  $2.22 \times 100 / 120 = 1.8\%$   
HP-3:  $V_d = 2 \times 12 \times 230 \times 4 / 10380 = 2.13$  volts.  
%Vd =  $2.13 \times 100 / 120 = 1.77\%$   
HP-11:  $V_d = 2 \times 12 \times 250 \times 6 / 10380 = 3.47$  volts.  
%Vd =  $3.47 \times 100 / 120 = 2.9\%$

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
Electrical Power Distribution  
Project Name: RD PROPERTIES  
Date Prepared: 2-15-16

F. Circuit Controls for 120-Volt Receptacles  
Controlled 120 volt receptacles shall be provided, as required by Section 130.5(6) of the Standards.  
In open office areas, controlled circuit receptacles are not required if, at time of final permit, workstations are installed, and each workstation is equipped with an occupant sensing control that is permanently mounted in each workstation, and which controls a hardwired, nonresidential-rated power strip. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used for this exception.  
Receptacles that are only for the following purposes are exempt:  
Receptacles specifically for refrigerators and water dispensers in kitchens.  
Receptacles located a minimum of six feet above the floor that are specifically for clocks.  
Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.

\* Tenant spaces are not defined for the initial construction.

Field Inspector: Pass Fail

At least one controlled receptacle is installed within 6 feet of each uncontrolled receptacle, or split-wire duplex receptacles are installed, that have one controlled and one uncontrolled receptacle. This applies in all of the following spaces:  
Private offices, open office areas  
Receptions and lobbies  
Conference rooms  
Kitchens in office spaces  
Copy room

Electric circuits serving controlled receptacles are equipped with automatic shut-off controls following the requirements prescribed in Section 130.5(1) through 5 (in many cases this will mean that the receptacles are connected to the same automatic shut-off system as the general lighting of the space).  
Controlled receptacles shall have a permanent marking to differentiate them from uncontrolled receptacles.  
For open office areas, controlled circuits shall be provided and marked to support installation and configuration of office furniture with receptacles that comply with Section 130.5(6) 1, 2, and 3.  
For hotel and motel guest rooms at least one-half of the 120-volt receptacles in each guest room are controlled receptacles with receptacles that comply with Section 130.5(6) 1, 2, and 3 (see numbers 1, 2 and 3 above). Electric circuits serving controlled receptacles have captive card key controls, occupancy sensing controls, or automatic controls such that, no longer than 30 minutes after the guest room has been vacated, power is switched off.  
Plug-in strips and other plug-in devices that incorporate an occupant sensor are not used to comply with any of these requirements.

STATE OF CALIFORNIA  
Electrical Power Distribution  
CERTIFICATE OF COMPLIANCE  
Electrical Power Distribution  
Project Name: RD PROPERTIES  
Date Prepared: 2-15-16

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT  
I certify that this Certificate of Compliance documentation is accurate and complete.  
Documentation Author Name: Michael Loudon  
Signature: E. Michael Loudon, P.E.  
Date: 2-15-16  
Address: 2720 State Court  
City/State/Zip: Lancaster, CA 93301  
Phone: 661-304-3324

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 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 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: S/LA  
Signature: S/LA  
Date Signed: 2-15-16  
Address: CPE E 8339  
City/State/Zip: Lancaster, CA 93304  
Phone: 661-304-3324

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE  
Indoor Lighting  
Project Name: RD PROPERTIES - INDUSTRIAL BUILDING  
Date Prepared: 2-16-16

A. General Information  
Climate Zone: 14  
Conditioned Floor Area: 23532  
Unconditioned Floor Area: 11242

Building Type: Nonresidential  
Phase of Construction: New Construction

Method of Compliance: Complete Building  
Project Address: AVENUE L AND BUSINESS CENTER PARKWAY, LANCASTER, CA, 93525

B. Lighting Compliance Documents (select yes for each document included)  
For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

| YES | NO | FORM          | TITLE                                                                                                              |
|-----|----|---------------|--------------------------------------------------------------------------------------------------------------------|
| ✓   |    | NRCC-LTI-01-E | Certificate of Compliance. All Pages required on plans for all submittals.                                         |
| ✓   |    | NRCC-LTI-02-E | Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals. |
| ✓   |    | NRCC-LTI-03-E | Indoor Lighting Power Allowance                                                                                    |
| ✓   |    | NRCC-LTI-04-E | Tailored Method Worksheets                                                                                         |
| ✓   |    | NRCC-LTI-05-E | Line Voltage Track Lighting Worksheets                                                                             |

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE  
Indoor Lighting  
Project Name: RD PROPERTIES  
Date Prepared: 2-16-16

C. Summary of Allowed Lighting Power  
Conditioned and unconditioned space lighting must not be combined for compliance

| Indoor Lighting Power for Conditioned Spaces                   |       | Indoor Lighting Power for Unconditioned Spaces                   |       |
|----------------------------------------------------------------|-------|------------------------------------------------------------------|-------|
| Installed Lighting<br>NRCC-LTI-01-E, page 4                    | Watts | Installed Lighting<br>NRCC-LTI-01-E, page 4                      | Watts |
| 1. PORTABLE ONLY FOR OFFICES<br>NRCC-LTI-01-E, page 3          | 0     | 1. Minus Lighting Control Credits<br>NRCC-LTI-02-E, page 2       | 25    |
| 2. Adjusted Installed Lighting Power<br>(row 1 minus row 3)    | 10    | 2. Adjusted Installed Lighting Power<br>(row 1 minus row 3)      | 103   |
| Compiles ONLY if installed < Allowed                           |       | Compiles ONLY if installed < Allowed                             |       |
| 3. Allowed Lighting Power<br>Conditioned NRCC-LTI-03-E, page 1 | 23392 | 4. Allowed Lighting Power<br>Unconditioned NRCC-LTI-03-E, page 1 | 130   |

D. Declaration of Required Installation Certificates  
Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

| YES | NO | Form/Title                                                                                                                                                                                                                            | Field Inspector |
|-----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| ✓   |    | NRCC-LTI-01-E - Must be submitted for all buildings                                                                                                                                                                                   | Field Inspector |
| ✓   |    | NRCC-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.                                                                                  | Field Inspector |
| ✓   |    | NRCC-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance. | Field Inspector |
| ✓   |    | NRCC-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.                                       | Field Inspector |
| ✓   |    | NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.                                                                                                                                | Field Inspector |
| ✓   |    | NRCC-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.                                                                                                    | Field Inspector |

E. Declaration of Required Certificates of Acceptance  
Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

| YES | NO | Form/Title                                                                                                                                                                                                                            | Field Inspector |
|-----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| ✓   |    | NRCC-LTI-01-E - Must be submitted for all buildings                                                                                                                                                                                   | Field Inspector |
| ✓   |    | NRCC-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.                                                                                  | Field Inspector |
| ✓   |    | NRCC-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance. | Field Inspector |
| ✓   |    | NRCC-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.                                       | Field Inspector |
| ✓   |    | NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.                                                                                                                                | Field Inspector |
| ✓   |    | NRCC-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.                                                                                                    | Field Inspector |

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE  
Indoor Lighting  
Project Name: RD PROPERTIES  
Date Prepared: 2-16-16

YES NO Form/Title

NRCC-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

NRCC-LTI-03-A - Must be submitted for automatic daylight controls.

NRCC-LTI-04-A - Must be submitted for demand responsive lighting controls.

A separate Lighting Schedule Must be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for: UNCONDITIONED SPACE

F. Indoor Lighting Schedule and Field Inspection Energy Checklist  
The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.  
When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.  
When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines.  
Include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

| REV. | DATE    | DESCRIPTION             | REVIEW | # | # |
|------|---------|-------------------------|--------|---|---|
| 0    | 2-15-16 | ISSUED FOR CONSTRUCTION |        |   |   |

| PROJECT     | PROPOSED INDUSTRIAL BUILDING                                                                                          |
|-------------|-----------------------------------------------------------------------------------------------------------------------|
| OWNER       | RD PROPERTIES<br>ATTN: RAMI DARGHALL<br>42913 CAPITAL DRIVE, STE. 111<br>LANCASTER, CA 93535<br>PHONE: (661) 341-1511 |
| SHEET TITLE | TITLE 24 LIGHTING COMPLIANCE FORMS                                                                                    |

PLANS PREPARED BY:

antelope valley engineering inc.

129 WEST POMEROY STREET LANCASTER, CA 93534  
TEL: (661) 946-0005  
FAX: (661) 946-0070  
WWW: http://www.antelopevalleyengineering.com

DRAWN: C.B. / JWS  
DATE: 11-24-15  
JOB No.: 14-107  
SHEET: T24-1  
OF SHEETS



CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance May 2014

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance May 2015CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance May 2015CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance May 2014May 20

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance May 2013CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance May 2015

**OWNER**

**RD PROPERTIES**  
ATTN: RAMI DARGHALI  
42913 CAPITAL DRIVE, STE. 111  
LANCASTER, CA 93535  
PHONE: (661) 341-1511

**PROJECT**

**PROPOSED**

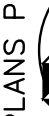
**INDUSTRIAL BUILDING**

APN 3126-009-116  
AVENUE L & BUSINESS CENTER PARKWAY  
LANCASTER, CA 93555  
DR: #14-123

SHEET TITLE

TITLE 24 LIGHTING COMPLIANCE FORMS

PLANS PREPARED BY:

 **antelope valley  
engineering  
inc.**

1209 WEST PIONEER STREET LANCASTER, CA. 93534

TEL: (661) 948-0805  
FAX: (661) 945-8770  
EMAIL: [overengineering@verizon.net](mailto:overengineering@verizon.net)  
WEBSITE: <http://www.antelopevalleyengineering.com>

|                 |               |
|-----------------|---------------|
| <b>DRAWN:</b>   | CJB / JWS     |
| <b>DATE:</b>    | 11-24-15      |
| <b>JOB No.:</b> | 14-107        |
| <b>SHEET:</b>   | <b>T24-3</b>  |
| <b>OF</b>       | <b>SHEETS</b> |