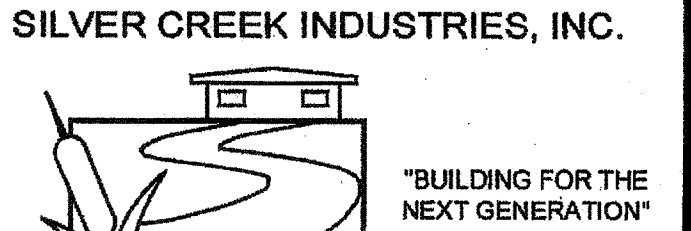


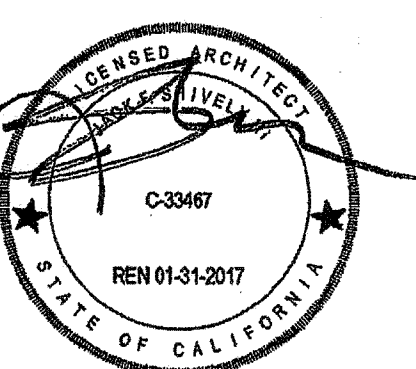
THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC. (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc.



SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
24x40 STOCKPILE OFFICE BUILDING

SHEET TITLE:
ENERGY CALC'S, ELC FORMS 24' x 40' BLDG'S



ARCHITECT OF RECORD SUBMISSION DATE
FILE # 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC: FLS: SS: RAE
DATE: NOV 9 2015
TRACKING #: 03-21-2015

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116284
AC: FLS: SS: RAE
DATE: MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC: FLS: SS: RAE
DATE: AUG 4 2015

REVISIONS

NO.	DESCRIPTION

SILVER CREEK INDUSTRIES
24' x 40' PC - 2:12 FITCH
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15
P.C. SHEET NUMBER

A-0.6A

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
NRCC-ELC-01-E
(Page 5 of 9)

Project Name: **24' x 40' Stockpile**

Project Address: **2830 Barrett Ave, Perris, CA 92571**

Client Name: **SCI Inc**

Construction Start Date: **11/15/14**

Electrical Service Schedule: **NA**

Field Inspector: **[Signature]**

Lead 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 500 kVA	Services rated more than 500 kVA
Lighting (including exit and exterior lighting)	Not required	All lighting in aggregate	All lighting in aggregate	All lighting in aggregate
TWAC 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 rated at least 50 kVA	All HVAC in aggregate and each HVAC rated at least 50 kVA
Domestic and service water systems 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	Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sq ft	All plug loads separated by floor, type or area. All groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sq ft
Elevators, escalators, moving walks, and transit systems	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Other industrial 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 electrical lighting installations and commercial kitchens	Not required	All	Each	Each
Renewable power source (not on load)	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
NRCC-ELC-01-E
(Page 4 of 9)

Project Name: **24' x 40' Stockpile**

Project Address: **2830 Barrett Ave, Perris, CA 92571**

Client Name: **SCI Inc**

Construction Start Date: **11/15/14**

Electrical Service Schedule: **NA**

Field Inspector: **[Signature]**

A	B	C	D
Designation/location in building/Description	Designation/location in building/Description	kVA	Y/N
NA - SEE SER. SCHEDULE	NA - SEE SER. SCHEDULE	2.50	[X]

Disaggregation of Electrical Circuits (continued)

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
NRCC-ELC-01-E
(Page 3 of 9)

Project Name: **24' x 40' Stockpile**

Project Address: **2830 Barrett Ave, Perris, CA 92571**

Client Name: **SCI Inc**

Construction Start Date: **11/15/14**

Electrical Service Schedule: **NA**

Field Inspector: **[Signature]**

B. Disaggregation of Electrical Circuits

Each newly installed subpanel, 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-A, shown on this page.

Individual branch circuits, taps or disconnects that require overcurrent protection devices rated 60A or greater are exempt.

As an alternative, current transformers can be added for individual branch circuits and loads throughout the building, and a permanent measurement system can be installed. In this case, disaggregated wiring would not be required as long as the metering system shows the equivalent disaggregated measurements.

Fill out a separate line for each subpanel, motor control center, panelboard and subfeed.

Subpanel, motor control center, panelboard or subfeed	Electrical Service that supplies that subpanelboard or panel	Electrical Service Rating	Field Inspector

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
NRCC-ELC-01-E
(Page 2 of 9)

Project Name: **24' x 40' Stockpile**

Project Address: **2830 Barrett Ave, Perris, CA 92571**

Client Name: **SCI Inc**

Construction Start Date: **11/15/14**

Electrical Service Schedule: **NA**

Field Inspector: **[Signature]**

A. 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.

Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)	Field Inspector
A	B	C	D

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 500 kVA	Services rated more than 500 kVA
Installation (at the time of demand)	Not required	Not required	Not required	Not required
Minimum load (kW)	Not required	Not required	Not required	Not required
Both per rate period	Not required	Not required	Not required	Not required

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
NRCC-ELC-01-E
(Page 1 of 9)

Project Name: **24' x 40' Stockpile**

Project Address: **2830 Barrett Ave, Perris, CA 92571**

Client Name: **SCI Inc**

Construction Start Date: **11/15/14**

Electrical Service Schedule: **NA**

Field Inspector: **[Signature]**

A. 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.

Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)	Field Inspector
A	B	C	D

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
NRCC-ELC-01-E
(Page 9 of 9)

Project Name: **24' x 40' Stockpile**

Project Address: **2830 Barrett Ave, Perris, CA 92571**

Client Name: **SCI Inc**

Construction Start Date: **11/15/14**

Electrical Service Schedule: **NA**

Field Inspector: **[Signature]**

DOCUMENTATION AUTHORITY'S DECLARATION STATEMENT

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

Signature: **[Signature]** Date: **10/16/14**

Address: **SILVER CREEK** City: **PERRIS** State: **CALIFORNIA**

Phone: **[Phone]**

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

- The information provided on this Certificate of Compliance is true and correct.
- 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).
- The safety 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 8 of the California Code of Regulations.
- 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.
- 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.

Signature: **[Signature]** Date: **[Date]**

Address: **[Address]** City: **[City]** State: **[State]**

Phone: **[Phone]**

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
NRCC-ELC-01-E
(Page 8 of 9)

Project Name: **24' x 40' Stockpile**

Project Address: **2830 Barrett Ave, Perris, CA 92571**

Client Name: **SCI Inc**

Construction Start Date: **11/15/14**

Electrical Service Schedule: **NA**

Field Inspector: **[Signature]**

D. Circuit Controls for 120-Volt Receptacles

Controlled 120-volt receptacles shall be provided, as required by Section 130.5(E) of the Standards.

In open office areas, controlled receptacles are not required if, in lieu 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, non-ventilator rated power strip. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used for this occupancy.

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 desks.
- Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.

Receptacles shall have a permanent marking to differentiate them from uncontrolled receptacles.

For open office areas, controlled receptacles shall be provided and marked to support installation and configuration of office furniture with receptacles that comply with Section 130.5(A)(8)(5)(i), (ii), and (iii).

For hotel and motel guest rooms at least one half of the 120-volt receptacles in each guest room are controlled receptacles that comply with Section 130.5(E)(i), (ii), and (iii) (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.

Lead 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 (0.9-0.94)	0.9 (0.9-0.94)	HPF magnetic ballasts use 0.9-2.4 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor devices
Incandescent lighting	1.0	1.0	
LED lighting	0.9	0.9	May be lower if HPF ballasts are specified
TWAC packages	0.85	0.9	
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	

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
NRCC-ELC-01-E
(Page 7 of 9)

Project Name: **24' x 40' Stockpile**

Project Address: **2830 Barrett Ave, Perris, CA 92571**

Client Name: **SCI Inc**

Construction Start Date: **11/15/14**

Electrical Service Schedule: **NA**

Field Inspector: **[Signature]**

C. Voltage Drop

Adjust 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.

Lead 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 (0.9-0.94)	0.9 (0.9-0.94)	HPF magnetic ballasts use 0.9-2.4 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor devices
Incandescent lighting	1.0	1.0	
LED lighting	0.9	0.9	May be lower if HPF ballasts are specified
TWAC packages	0.85	0.9	
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	

Feeders, feeder conductors shall be sized for a maximum voltage drop of 2 percent at design load.

Branch circuits, branch circuit conductors shall be sized for a maximum voltage drop of 3 percent at design load.

STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
NRCC-ELC-01-E
(Page 6 of 9)

Project Name: **24' x 40' Stockpile**

Project Address: **2830 Barrett Ave, Perris, CA 92571**

Client Name: **SCI Inc**

Construction Start Date: **11/15/14**

Electrical Service Schedule: **NA**

Field Inspector: **[Signature]**

C. Voltage Drop

Adjust 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.

Lead 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 (0.9-0.94)	0.9 (0.9-0.94)	HPF magnetic ballasts use 0.9-2.4 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor devices
Incandescent lighting	1.0	1.0	
LED lighting	0.9	0.9	May be lower if HPF ballasts are specified
TWAC packages	0.85	0.9	
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	

Feeders, feeder conductors shall be sized for a maximum voltage drop of 2 percent at design load.

Branch circuits, branch circuit conductors shall be sized for a maximum voltage drop of 3 percent at design load.

Lydia Barron
Digitally signed by Lydia Barron
DN: cn=Lydia Barron, ou=California, o=California Department of General Services, ou=Division of the State Architect, email=lydia.barron@dgs.ca.gov