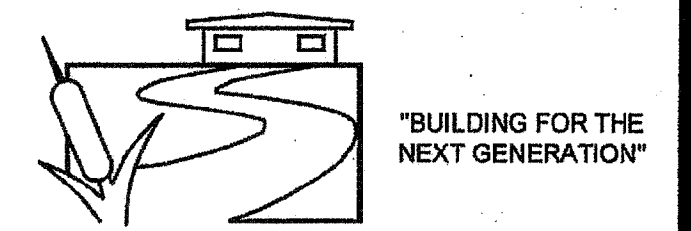


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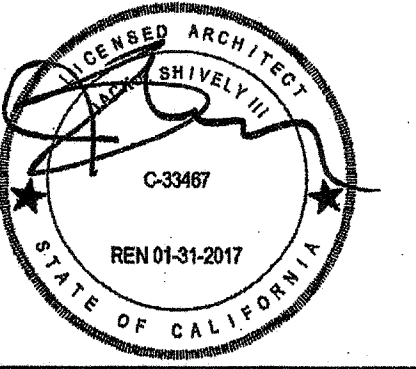
SILVER CREEK INDUSTRIES, INC.



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 120' x 40' BLDG'S



ARCHITECT OF RECORD SUBMISSION DATE
FILE # 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-118270
AC: FLS SS RAE
DATE: NOV 9 2017
TRACKING #: 63221-290

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118284
AC: FLS SS RAE
DATE: MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (P.O. DOCUMENT #) DATE 2015 0103
DATE 2015 0103
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC: FLS SS RAE
DATE: AUG 4 2015

REVISIONS

SILVER CREEK INDUSTRIES
24' x 40' P.C. - 2:12 PITCH
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15
P.C. SHEET NUMBER
A-0.6D

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
NRCC-ELC-01-E
Project Name: 120' x 40' SCI PC
Submittal: 10/15/14
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B. Disaggregation of Electrical Circuits (continued)
Table 130.5-B - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD

Load Type	Services rated 30 kVA or less	Services rated more than 30 kVA and less than or equal to 100 kVA	Services rated more than 100 kVA
Lighting including exit and egress lighting and exterior lighting	Not required	All lighting in aggregate	All lighting in aggregate
HVAC systems and components including chillers, fans, boilers, furnaces, package units, cooling towers, and distribution pumps associated with HVAC	Not required	All HVAC in aggregate	All HVAC in aggregate
Domestic and service water system pumps and related systems and components	Not required	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
Elevators, escalators, moving walks, and transit systems	Not required	All loads in aggregate	All loads in aggregate
Other individual non-HVAC loads or appliances rated 25 kVA or greater	Not required	All loads in aggregate	All loads in aggregate
Industrial and commercial load centers 25 kVA or greater including electrical lighting installations and commercial facilities	Not required	All loads in aggregate	All loads in aggregate
Renewable power source (see 130.5-B)	Each group	Each group	Each group
Loads associated with renewable power source	Not required	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

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B. Disaggregation of Electrical Circuits

Designation/Location in building/Description	Designation/Location in building/Description	Value	Compliance
IN ROOM CHARGER	N/A - SEE SPECIFICATIONS	LESS	<input checked="" type="checkbox"/>

Field Inspector: [Signature]

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Designation/Location in building/Description	Designation/Location in building/Description	Value	Compliance
IN ROOM CHARGER	N/A - SEE SPECIFICATIONS	LESS	<input checked="" type="checkbox"/>

Field Inspector: [Signature]

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

Meter Rating (kVA)	More than 300 kVA and less than or equal to 500 kVA	More than 500 kVA and less than or equal to 1000 kVA	Services rated more than 1000 kVA
Historical peak demand (kW)	Not required	Not required	Not required
15th per cent period	Not required	Not required	Not required

Field Inspector: [Signature]

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A. Electrical Service Metering

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)	Field Inspector
A	B	C, D, E, F, G	[Signature]

Field Inspector: [Signature]

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C. Voltage Drop

Load Type	Default Power Factor @ 120 volts	Default Power Factor @ 277 volts	Clarifying Notes
Fluorescent lighting	0.85	0.85	
Compact fluorescent lighting	0.9 (hardwired)	0.9 (hardwired)	N/A magnetic ballasts use 0.9-0.91 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor drivers
Incandescent lighting	1.0	1.0	
LED lighting	0.9	0.9	May be lower if N/A ballasts are specified
HVAC packages	0.85	0.9	
Other motors > 1 HP	0.8	0.8	
Other motors > 1 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	

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D. Circuit Controls for 120-Volt Receptacles

1. At least one controlled receptacle is installed within 6 feet of each uncontrolled receptacle, or split-wired duplex receptacles are installed, that have one controlled and one uncontrolled receptacle. This applies to all of the following spaces:

- Private offices, open office areas
- Reception and lobbies
- Conference rooms
- Waiting areas in office spaces
- Copy rooms

2. Electric circuits serving controlled receptacles are equipped with automatic shut-off controls following the requirements prescribed in Section 130.5(B)(1), 2, and 3. Electric circuits serving controlled receptacles have a permanent marking to differentiate them from uncontrolled receptacles.

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

4. 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(B)(1), 2, and 3.

5. 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(B)(1), 2, and 3. Electric circuits serving controlled receptacles have a permanent marking to differentiate them from uncontrolled receptacles and, no longer than 30 minutes after the guest room has been vacated, power is switched off.

6. Plug-in strips and other plug-in devices that incorporate an occupant sensor are not used to comply with any of these requirements.

Field Inspector: [Signature]

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LED lighting	0.9	0.9	May be lower if N/A ballasts are specified
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Other motors > 1 HP	0.8	0.8	
Other motors > 1 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	

Field Inspector: [Signature]

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