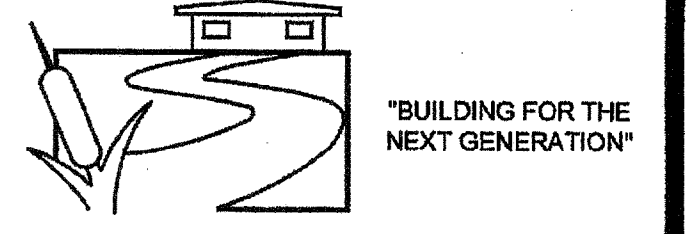


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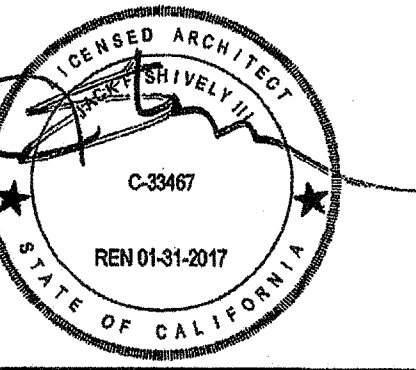
SILVER CREEK INDUSTRIES, INC.



SILVER CREEK
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5383 FAX: 951-943-2211

PROJECT NAME:
24x40 STOCKPILE OFFICE BUILDING

SHEET TITLE:
**ENERGY CALC'S.
LTO / MCH 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
03-118270
AC: NOV 16 2017
DATE: NOV 16 2017
TRACKING #: 63221-290

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

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
DATE AND SIGNATURE
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
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' PC - 2:12 PITCH
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 01-30-15
P.C. SHEET NUMBER

A-0.6B

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CERTIFICATE OF COMPLIANCE
NRC-LO-01-E
(Page 4 of 4)

Project Name: 24' x 40' SCI PC Date Prepared: 10/15/14

Project Address: Total Illuminated Hardscape Area

General Information
Phase of Construction: New Construction Addition Alteration
Outdoor Lighting Zone (OLZ) OLZ-1 OLZ-2 OLZ-3 OLZ-4
I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-134

LIGHTING COMPLIANCE DOCUMENTS (check box 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.
 NRC-LO-01-E Certificate of Compliance
 NRC-LO-02-E Outdoor Lighting Controls Certificate of Compliance
 NRC-LO-03-E Outdoor Lighting Power Allowance Certificate of Compliance

Summary of Allowed Outdoor Lighting Power
Watts
1. Sum Total ALLOWED Outdoor Lighting Wattage from NRC-LO-03-E, page 1 = 30
2. Sum Total INSTALLED Outdoor Lighting Wattage from NRC-LO-01-E, page 3 = 30

Declaration of Required Installation Certificates - Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)
 NRC-LO-01-E - Must be submitted for all buildings Field Inspector
 NRC-LO-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
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.)
 NRC-LO-02-A - Must be submitted for outdoor lighting controls. Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CERTIFICATE OF COMPLIANCE
NRC-LO-01-E
(Page 3 of 4)

Project Name: Outdoor Lighting Date Prepared:

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

| A | B | C | D | | E | F | G | H | I |
|-----------------------------|--------------------------------|--------------------------------|---------------------|--|----|-----------|------|----|---|
| | | | Watts per Luminaire | Number of Luminaires | | | | | |
| | Complete Luminaire Description | | | | | | | | |
| | TRIP 30V CMW LED LUM BLU | 30 | | 1 | 30 | EMERGENCY | TRIP | | |
| | TRIP LIGHT | 230V, NO TRIP LOAD REQUIREMENT | | | | | | | |
| INSTALLED WATTS PAGE TOTAL: | | | 30 | Enter sum total of all pages (Sum Total INSTALLED Outdoor lighting wattage) into NRC-LO-01-E Page 1: | | | | 30 | |

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CERTIFICATE OF COMPLIANCE
NRC-LO-01-E
(Page 2 of 4)

Project Name: Outdoor Lighting Date Prepared:

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7

| Name or Symbol | Description of exempt luminaire in accordance with the exemptions |
|----------------|---|
| | |

Schedule of luminaires exempt from the cutoff requirements in §140.2(b)

| Name or Symbol | Description of exempt luminaire in accordance with the exemptions |
|----------------|---|
| | |

Schedule of luminaires exempt from the outdoor lighting control requirements in §140.2(c)

| Name or Symbol | Description of exempt luminaire in accordance with the exemptions |
|----------------|---|
| | |

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CERTIFICATE OF COMPLIANCE
NRC-LO-01-E
(Page 1 of 4)

Project Name: 24' x 40' SCI PC Date Prepared: 10/15/14

Project Address: Total Illuminated Hardscape Area

General Information
Phase of Construction: New Construction Addition Alteration
Outdoor Lighting Zone (OLZ) OLZ-1 OLZ-2 OLZ-3 OLZ-4
I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-134

LIGHTING COMPLIANCE DOCUMENTS (check box 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.
 NRC-LO-01-E Certificate of Compliance
 NRC-LO-02-E Outdoor Lighting Controls Certificate of Compliance
 NRC-LO-03-E Outdoor Lighting Power Allowance Certificate of Compliance

Summary of Allowed Outdoor Lighting Power
Watts
1. Sum Total ALLOWED Outdoor Lighting Wattage from NRC-LO-03-E, page 1 = 30
2. Sum Total INSTALLED Outdoor Lighting Wattage from NRC-LO-01-E, page 3 = 30

Declaration of Required Installation Certificates - Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)
 NRC-LO-01-E - Must be submitted for all buildings Field Inspector
 NRC-LO-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
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.)
 NRC-LO-02-A - Must be submitted for outdoor lighting controls. Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CERTIFICATE OF COMPLIANCE
NRC-MCH-04-E
(Page 3 of 3)

Project Name: Required Acceptance Tests Date Prepared: 10/15/16

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (Indicate if worksheet is included)
For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2013 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated into the building plans. Forms NRC-MCH-04-E and NRC-MCH-05-E are alternative forms to NRC-MCH-01-E, NRC-MCH-02-E and NRC-MCH-03-E for projects using only single zone packaged HVAC systems.

| YES | NO | Form | Title |
|-----|----|-----------------------|--|
| X | | NRC-MCH-04-E (1 of 2) | Certificate of Compliance. Required on plans when used. |
| X | | NRC-MCH-04-E (2 of 2) | Mechanical Acceptance Tests. Required on plans when used. |
| X | | NRC-MCH-05-E (1 of 2) | HVAC Prescriptive Requirements. It is required on plans when used. |
| X | | NRC-MCH-05-E (2 of 2) | Mechanical SWH Equipment Summary is required for all subunits with service water heating, pools or spas. It is required on plans where applicable. |

REQUIRED ACCEPTANCE TESTS
This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. The RA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:
Systems Acceptance. Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.
Systems Acceptance. Before occupancy permit is granted. All newly installed HVAC equipment must be tested using the Acceptance Requirements.
The NRC-MCH-04-E form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what acceptance test must be conducted. The following checked-off forms are required for ALL newly installed and replaced equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-103(b) and Title 24 Part 6. This building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.

| Test Description | NRC-MCH-01-A | NRC-MCH-02-A | NRC-MCH-03-A | NRC-MCH-04-A | NRC-MCH-05-A | NRC-MCH-06-A | NRC-MCH-07-A | NRC-MCH-08-A | NRC-MCH-09-A | NRC-MCH-10-A | NRC-MCH-11-A | NRC-MCH-12-A | NRC-MCH-13-A | NRC-MCH-14-A | NRC-MCH-15-A | Test Performed By: |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------|
| Equipment Requiring Testing or Verification | | | | | | | | | | | | | | | | |
| ALL TRIP | | X | | | | | | | | | | | | | | |

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CERTIFICATE OF COMPLIANCE
NRC-MCH-04-E
(Page 2 of 3)

Project Name: Required Acceptance Tests Date Prepared:

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (Indicate if worksheet is included)
For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2013 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated into the building plans. Forms NRC-MCH-04-E and NRC-MCH-05-E are alternative forms to NRC-MCH-01-E, NRC-MCH-02-E and NRC-MCH-03-E for projects using only single zone packaged HVAC systems.

| YES | NO | Form | Title |
|-----|----|-----------------------|--|
| X | | NRC-MCH-04-E (1 of 2) | Certificate of Compliance. Required on plans when used. |
| X | | NRC-MCH-04-E (2 of 2) | Mechanical Acceptance Tests. Required on plans when used. |
| X | | NRC-MCH-05-E (1 of 2) | HVAC Prescriptive Requirements. It is required on plans when used. |
| X | | NRC-MCH-05-E (2 of 2) | Mechanical SWH Equipment Summary is required for all subunits with service water heating, pools or spas. It is required on plans where applicable. |

REQUIRED ACCEPTANCE TESTS
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|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------|
| Equipment Requiring Testing or Verification | | | | | | | | | | | | | | | | |
| ALL TRIP | | X | | | | | | | | | | | | | | |

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CERTIFICATE OF COMPLIANCE
NRC-MCH-04-E
(Page 1 of 3)

Project Name: Required Acceptance Tests Date Prepared: 10/15/14

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (Indicate if worksheet is included)
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| YES | NO | Form | Title |
|-----|----|-----------------------|--|
| X | | NRC-MCH-04-E (1 of 2) | Certificate of Compliance. Required on plans when used. |
| X | | NRC-MCH-04-E (2 of 2) | Mechanical Acceptance Tests. Required on plans when used. |
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|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------|
| Equipment Requiring Testing or Verification | | | | | | | | | | | | | | | | |
| ALL TRIP | | X | | | | | | | | | | | | | | |

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

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

Lydia Barron