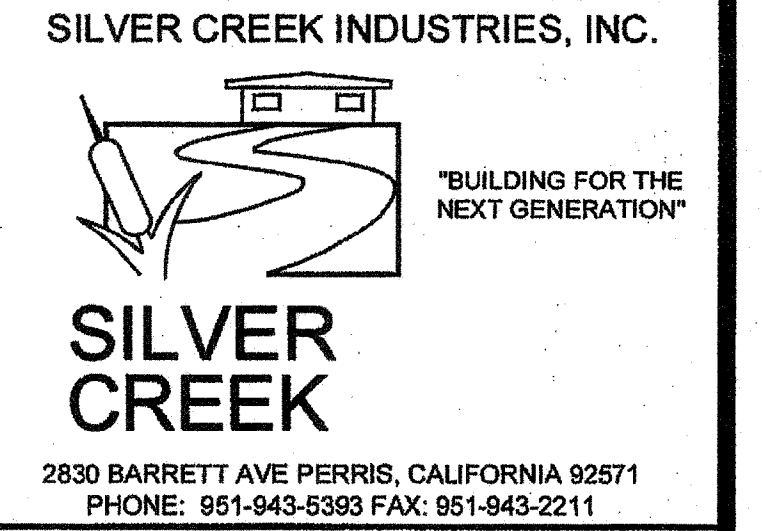
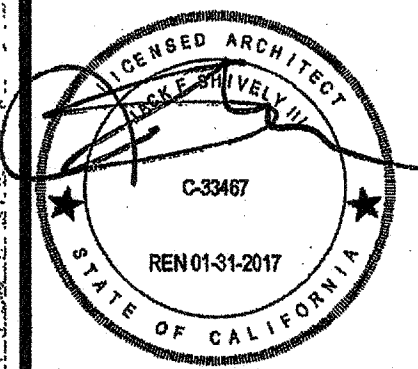


THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC. (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION 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.



PROJECT NAME:
24x40 STOCKPILE OFFICE BUILDING

SHEET TITLE:
**ENERGY CALC'S.
ZONE 15 WORST CASE**



ARCHITECT OF RECORD
SUBMISSION DATE

FILE # 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-118270
AC FL S SS RAF
DATE NOV - 8 2017
TRACKING #: 63221-290

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118284
AC FL S SS RAF
DATE MAY 18 2017

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114102
AC FL S SS RAF
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-0.5B

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: 24 x 40 SCI PC
Calculation Date/Time: 2/10/15 10:11:22
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC
Input File Name: 24x40 SCI PC

A. GENERAL INFORMATION

01	Project Address (S24E15)	01	Compliance Software (CES2-Com 9/13-04 (9/13))
02	City (ZONE 15)	02	Compliance Manager Version (ENCLIGHT 2015-04 (9/13))
03	Zip code	03	Risk Rat (Plenum)
04	Climate Zone (ClimateZone16)	04	Building Type (Nonresidential)
05	Building Front Orientation (S)	05	Construction Type (S)
06	Number of Above Grade Stories (1)	06	North Wall Area (SQ Ft)
07	Number of Below Grade Stories (0)	07	East Wall Area (SQ Ft)
08	Number of Dwelling Units (0)	08	South Wall Area (SQ Ft)
09	Total Conditioned Floor Area (SQ Ft) (960)	09	West Wall Area (SQ Ft)
10	Total Unconditioned Floor Area (SQ Ft)	10	Total Window Area (SQ Ft) (1,020)
11	Additional Conditioned Floor Area (SQ Ft)	11	North Glazing Area (SQ Ft) (Glazing Ratio)
12	Additional Unconditioned Floor Area (SQ Ft)	12	East Glazing Area (SQ Ft) (Glazing Ratio)
13	Number of Thermal Zones (1)	13	South Glazing Area (SQ Ft) (Glazing Ratio)
14	Number of Thermal Zones (Unconditioned)	14	West Glazing Area (SQ Ft) (Glazing Ratio)
15	Number of Air Systems (1)	15	Total Glazing Area (SQ Ft) (Glazing Ratio)
16	Number of Zoned Systems (0)	16	Roof Area (SQ Ft)
17	Number of Terminal Units (0)	17	Slight Area (SQ Ft)
18		18	
19		19	
20		20	

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance
Report Version: PRF01-06032014-687
Report Generated at: 2014-10-31 10:11:22

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: 24 x 40 SCI PC
Calculation Date/Time: 2/10/15 10:11:22
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC
Input File Name: 24x40 SCI PC

B. COMPLIANCE RESULTS

BUILDINGS COMPLIANCE

01	Special Features are Required - YES
02	HERS Verification is Required - YES
03	HERS Verification is Required - YES

ANNUAL TDD ENERGY USE SUMMARY (kBtu/SqFt)

04	05	06	07
Energy Component	Standard Design	Proposed Design	Compliance Margin
Space Heating	30.4	30.8	-0.2
Space Cooling	285.0	254.7	29.2
Water Heating	194.7	194.7	0.0
Heat Rejection			
Pumps & Misc.			
Domestic Hot Water			
Lighting	62.8	24.8	38.0
COMPLIANCE TOTAL	488.1	423.3	64.8
Penalties			
Process			
Process Lighting			
TOTAL	383.7	338.9	44.8

C. OCCUPANCY SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Occupancy Type	Floor Area (SQ Ft)	Unshaded Lighting Power (Watts)	Lighting Control Credits (Watts)	General Lighting Power Allowance (Watts)	Additional (Custom) Allowance (Watts)	Total Allowed Lighting Power (Watts)	Total Allowed Lighting Power (Watts)
Classrooms, Lecture, Vocational Area	960	744	168	1,102		1,102	1,102

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance
Report Version: PRF01-06032014-687
Report Generated at: 2014-10-31 10:11:22

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: 24 x 40 SCI PC
Calculation Date/Time: 2/10/15 10:11:22
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC
Input File Name: 24x40 SCI PC

D. ENVELOPE SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Surface Name	Surface Type	U-Value / R-Value / Infiltration	Finishing Type	Finishing Spacing	Area	Control Coef	Control Coef
SCI ROOF	Roof	U-0.08	Metal Standing Seam - 1/8" In. Fiberglass Insul - 18" In. - 18" In.	Metal	RoofDeck	R-0.04	R-0.04
SCI FLOOR	Exterior Floor	U-0.08	1/2" Concrete Slab on Grade - 4" In. or more Insulation			R-0.04	R-0.04
2nd FLOOR WALL	Exterior Wall	U-0.08	Wood Siding - 2" In. Insulation - 1/8" In. Insulation	Wood	WoodDeck	R-0.04	R-0.04

E. FENESTRATION SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Name	Frame Type	Frame Material	Frame Assembly Method	Frame Type	U-value	SHGC	VT
SCI - FLOOR SLIDER - 8800 / CLK	Sliding	UPVC/Aluminum	Manufactured	Standard	0.01	0.30	0.60

F. MECHANICAL SYSTEM SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Equipment Name	Equipment Type	Qty	SEER	EER	Rated Output (kBtu/h)	Efficiency (SEER)	Supplemental Rated Output (kBtu/h)
AirSystem 1	GVHP	1	13.0	8.0	52	80.2	

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance
Report Version: PRF01-06032014-687
Report Generated at: 2014-10-31 10:11:22

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: 24 x 40 SCI PC
Calculation Date/Time: 2/10/15 10:11:22
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC
Input File Name: 24x40 SCI PC

G. MECHANICAL SYSTEM EXCHANGER AND FAN SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Equipment Name	Economizer Type	CFM	CFM	HP	SWP	Control	CFM
AirSystem 1	NoEconomizer	720	1975.0	0.76	0.76	DirectOn/Off	

H. CHILLER SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Equipment Name	Economizer Type	CFM	CFM	HP	SWP	Control	CFM

I. COOLING TOWER SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Equipment Name	Economizer Type	CFM	CFM	HP	SWP	Control	CFM

J. BOILER SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Equipment Name	Economizer Type	CFM	CFM	HP	SWP	Control	CFM

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Equipment Name	Economizer Type	CFM	CFM	HP	SWP	Control	CFM

L. TERMINAL UNIT SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Equipment Name	Economizer Type	CFM	CFM	HP	SWP	Control	CFM

M. ZONAL SYSTEM SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Equipment Name	Economizer Type	CFM	CFM	HP	SWP	Control	CFM

N. DRY SYSTEM SUMMARY INFORMATION - FLUID SYSTEMS

01	02	03	04	05	06	07	08
Equipment Name	Economizer Type	CFM	CFM	HP	SWP	Control	CFM

O. DRY SYSTEM SUMMARY INFORMATION - RECIRCULATION DRY SYSTEMS

01	02	03	04	05	06	07	08
Equipment Name	Economizer Type	CFM	CFM	HP	SWP	Control	CFM

P. EXCEPTIONAL CONDITIONS COMPLIANCE DISCLOSURE

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance
Report Version: PRF01-06032014-687
Report Generated at: 2014-10-31 10:11:22

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: 24 x 40 SCI PC
Calculation Date/Time: 2/10/15 10:11:22
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC
Input File Name: 24x40 SCI PC

NOI APPLICABLE

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance
Report Version: PRF01-06032014-687
Report Generated at: 2014-10-31 10:11:22

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD
Project Name: 24 x 40 SCI PC
Calculation Date/Time: 2/10/15 10:11:22
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC
Input File Name: 24x40 SCI PC

DECLARATION AND SIGNATURE STATEMENT

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

Documentation Author: **Lyda Barron**
Company: **General Services, Inc.**
Address: **2830 Barrett Ave - Perris CA 92571**
City/State/Zip: **Perris CA 92571**
Phone: **951-943-5393**

Documentation Reviewer: **Lyda Barron**
Company: **General Services, Inc.**
Address: **2830 Barrett Ave - Perris CA 92571**
City/State/Zip: **Perris CA 92571**
Phone: **951-943-5393**

Building Owner: **Silver Creek Industries, Inc.**
Address: **2830 Barrett Ave - Perris CA 92571**
City/State/Zip: **Perris CA 92571**
Phone: **951-943-5393**

Responsible Designer: **Lyda Barron**
Company: **General Services, Inc.**
Address: **2830 Barrett Ave - Perris CA 92571**
City/State/Zip: **Perris CA 92571**
Phone: **951-943-5393**

Responsible Lighting Designer: **Lyda Barron**
Company: **General Services, Inc.**
Address: **2830 Barrett Ave - Perris CA 92571**
City/State/Zip: **Perris CA 92571**
Phone: **951-943-5393**

Responsible Mechanical Designer: **Lyda Barron**
Company: **General Services, Inc.**
Address: **2830 Barrett Ave - Perris CA 92571**
City/State/Zip: **Perris CA 92571**
Phone: **951-943-5393**

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance
Report Version: PRF01-06032014-687
Report Generated at: 2014-10-31 10:11:22

Digitally signed by Lyda Barron
DN: cn=Lyda Barron, o=General Services, ou=Division of the State Architect, c=United States of America, email=lyda.barron@gsi.ca.gov, date=20150130 10:11:22 -0700