

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0403374

Insp Area: 4

Thos Bros: 278B2

Site Address: 3931 IVY ST SAC

Parcel No: 252-0011-003

Design Review project

Sub-Type: NSFR

Housing (Y/N): N

CONTRACTOR

OWNER

JESS & ELIZ SHRUM
3913 IVY ST
SAC CA 95838

ARCHITECT

Nature of Work: SFR 3092sf W/ Garage 634sf & 1120 sf det garage

CONSTRUCTION LENDING AGENCY: I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____

Lender's Address _____

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class _____ License Number _____ Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

____ I am exempt under Sec. _____ B & PC for this reason: _____

Date 4-28-04 Owner Signature [Signature]

PAID
CITY OF SACRAMENTO

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 4-28-04 Applicant/Agnt Signature [Signature]

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

____ I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

____ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Policy Number _____ Exp Date _____

(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 4-28-04 Applicant Signature [Signature]

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

City of Sacramento Planning Division
PLANNING REVIEW FOR BUILDING PERMIT SUBMITTAL

ADDRESS: 3931 Ivy Street	APN: 252-0011-003
DRPB AREA / PUD / SPD: Del Paso Heights	ZONING: R-1
EXISTING LAND USE: Vacant	
PROPOSED USE: 1-story, Single Family Residence, attached garage & detached garage off alley.	
PLANNING STAFF WILL CHECK ONE OR MORE OF THE ITEMS BELOW:	
<input type="checkbox"/>	Planning review is NOT required.
<input type="checkbox"/>	Use is NOT allowed; applicant CANNOT submit for plan check.
<input type="checkbox"/>	Requires APPLICATION(s): PC ZA IR ER DR PB Required Planning application must be submitted <i>before</i> project can be submitted for plan check.
<input type="checkbox"/>	Application(s) IN PROGRESS: Applicant may submit for concurrent building permit plan check, at applicant's risk. Building Division must check with Planning staff and/or SITE before issuing building permit.
<input checked="" type="checkbox"/>	Application(s) COMPLETED: DR03-280 Building permit must conform to approved plans and comply with all conditions of approval. Do NOT issue building permit prior to end of 10 day appeal period.
<input checked="" type="checkbox"/>	Plans may be submitted for plan check. Plan checker(s) shall confirm compliance with Zoning Ordinance requirements and all applicable development standards <i>prior to issuance</i> of building permit.
<input checked="" type="checkbox"/>	Meets setback & lot coverage requirements as shown on site plan provided.
<input checked="" type="checkbox"/>	Plans to be submitted have been stamped/signed by Planning counter staff.
<input type="checkbox"/>	Route to SITE for plan check and inspection.
<input type="checkbox"/>	Preliminary review ONLY; the information on this form must be reviewed again and confirmed at the time of building permit submittal.
COMMENTS: (Site plan shows roofline only, measurements made from eaves). Lot 16,050 sq. ft. New home and detached garage footprint under 6310 sq. ft. Lot coverage just under the 40% maximum allowed. Setbacks okay. Detached garage occupies 22% of the 33% maximum of the rear yard setback area. Driveways and garage and paving okay. REVISION: 4-8-04 SETBACK IS MIN. 25 FT OR AVERAGE OF FRONT SETBACK WITHIN 5 FT FORWARD OR BACK. SITE PLAN SHOWS AVERAGE AT 34'. APPLICANT REVISING SITE PLAN TO BE 34' FRONT SETBACK. SEE REVISED SITE PLAN FOR REVISIONS. PCALDWELL <i>No other work to be done, No Planning Issues apparent.</i>	
DATE: 8 April 2004	BY: Robert W. Williams



**CITY OF SACRAMENTO
CALIFORNIA**

1231 I STREET, ROOM 200
SACRAMENTO, CA 95814-2998

FAX 916-264-5543

PLANNING AND
BUILDING DEPARTMENT

PHONE 916-264-5381

STAFF LEVEL PROJECT REVIEW


DR Number: DR03-280
Address: 3931 Ivy Street
Description: New Single Family Residence
Staff Contact: Bethany Heuseveldt, 808-8497
Kelly Lankford, 808-8289

Applicant/Owner: Jess & Elizabeth Shrum
Date Filed: Oct. 03, 2003
Date Approved: Feb. 26, 2004
APN: 252-0011-003

STAFF ACTION AND CONDITIONS OF APPROVAL:

Staff has reviewed the proposed project, and approves it with the following conditions of approval:

1. All windows visible from the street shall be gridded, single/double-hung vinyl windows, with decorative trim and sill. Provide transom windows as indicated on approved plans.
2. Front entry door and garage door shall have a raised panel design. Sidelights shall be provided on either side of front entry door as indicated on approved plans.
3. Provide stucco siding (with smooth or sand finish) at all four sides of house per approved drawings.
4. Provide stucco bands at front elevation painted a slightly darker accent color. Bands shall wrap a minimum of 2'-0" on both sides of house as indicated on approved plans.
5. Provide stucco columns with built out decorative base as indicated on approved drawings.
6. Provide 6' high wood fence at sides and rear.
7. All woodwork shall be smooth finish. No rough sawn.
8. Front yard landscaping (including lawn, shrubs, and a minimum of one tree) and automatic irrigation shall be provided.
9. Roofing shall be a minimum 30-year laminated dimensional composition shingle.
10. Gutters and downspouts shall be provided.
11. Provide decorative light fixtures as indicated on drawings.
12. No roof-mounted mechanical equipment is allowed.
13. All other notes and drawings on the final plans as submitted by the applicant are deemed conditions of approval. Any changes to the final set of plans stamped by Design Review staff shall be subject to review and approval prior to any changes.
14. No building permit shall be issued until the expiration of the 10 day appeal period. If an appeal is filed, no permit shall be issued until final approval is received.
15. The applicant and the owners of all properties adjoining the subject property have the right to appeal this decision to the Design Review and Preservation Board. Appeals must be filed within 10 days of the staff action.


Bethany Heuseveldt
Design Review



**CITY OF SACRAMENTO
BUILDING INSPECTION
DIVISION**

PERMIT OFFICES
Downtown (916) 264- 7619
1231 I St., Rm. 200, Sacramento 95814
Natomas Center (916) 808-2534
2101 ARENA BL., Sacramento 95834
<http://www.sacto.org>

**RESIDENTIAL PLAN REVIEW
2001 CBC Adopted Codes
Effective November 1st, 2002**

**PROJECT ADDRESS
& DESCRIPTION**

3931 IVY STREET, NEW SFR & DETACHED GARAGE

PERMIT

NO. 04 03374

These sheets, when attached to a set of plans, become part of those plans and must remain attached thereto. The approval of this plan and the specifications shall not be held to permit or approve the violation of any City ordinance or State or Federal law. (Note: Authorized agent must provide a letter from Owner verifying Authorization.) (The code requirements circled do not limit the code requirements for this project.)

I have read and will comply with the items in this document and as marked on the plans.

[Signature]

Date 4-21-2004

Signature of: Owner Authorized Agent Contractor Architect/Engineer

BUILDING CODE REQUIREMENTS

- B-1 **Smoke detector location within dwelling units.** In dwelling units, a detector shall be installed in each sleeping room and at a point centrally located in the corridor or area giving access to each separate sleeping area. When the dwelling unit has more than one story and in dwellings with basements, a detector shall be installed on each story and in the basement. In dwelling units where a story or basement is split into two or more levels, the smoke detector shall be installed on the upper level except that, when the lower level contains a sleeping area, a detector shall be installed on each level. When sleeping rooms are on an upper level, the detector shall be placed at the ceiling of the upper level in close proximity to the stairway. In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room. Detectors shall sound an alarm audible in all sleeping areas of the dwelling unit in which they are located. In new construction, required smoke detectors shall receive their primary power from a commercial source and have a battery back up. 2001 CBC, Section 310.9.1.
- B-2 When **alteration, repairs, or additions having a value in excess of \$1,000** are made, provide an approved smoke detector to protect existing sleeping rooms. The detector may be battery operated as per 2001 CBC, Section 310.9.1.2.
Exception: Repairs to the exterior surfaces of a Group R occupancy are exempt from the requirements of this section.
- B-3 **Emergency escape and rescue.** Basements in dwelling units and every sleeping room below the fourth story shall have at least one operable window or door approved for emergency escape or rescue that shall open directly into a public street, public way, yard, or exit court. Escape or rescue windows shall have a minimum net clear openable area of 5.7square feet / 821 SQ. inches. The minimum net clear openable height dimension shall be 24 inches. The minimum net clear openable width dimension shall be 20 inches. Emergency escape or rescue windows shall have a finished sill height not more than 44 inches above the floor. 2001 CBC, Section 310.4.
- B-4 **All Group U occupancies attached to Group R, Division 3 occupancies shall be separated by** materials approved for one-hour fire-resistive construction. The separation may be limited to the garage side only and requires a self-closing, tight fitting solid wood door 1 3/8 inches in thickness or a self-closing, tight fitting door having a fire protection rating of not less than 20 minutes. CBC, Section 302.4, Exception 3.**Note:** All members supporting such separation shall be equivalent fire-resistive construction as per 2001 UBC, Section 302. All electrical outlet boxes on opposite sides of the wall shall be separated by a horizontal distance on not less than 24 inches per 2001 CBC 709.7, Exception

OFFICE COPY

BID0001

sipbuilder

incorporated

April 19, 2004

City of Sacramento
Building Inspection Division
1231 I St., Rm. 200
Sacramento, CA 95814

Attention: Carey Boyd

The following is a list in response to the "Plan Review Comments" addressing each item. We have formatted this so it follows each line item in the plan review comments.

- Item 1 We did not receive the Bid form 001.
- Item 2 The Owner will pay the fees and submit the Certificate of Compliance prior to permit issuance.
- Item 3 Note on Sheet 1 indicating an existing rolled curb.
- Item 4 Setbacks shown on Sheet 1
See "Engineer's Submittal" that itemizes Items 5 & 6
- Item 7 A new detail was drawn to address this item. Shown on Sheet 2
Detail 2/3.
See "Engineer's Submittal" that itemizes Items 8 & 9
- Item 10 Noted at each location where applicable and revised the "Window Schedule" to reflect tempered glass requirements. Both shown on Sheet 3.
- Item 11 Noted on Sheet 3, by the mechanical platform.
See "Engineer's Submittal" that itemizes Items 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 33, 34.
- Item 26 Noted on Sheet 6 - Upper right hand corner.
- Item 29 Noted on Sheet 6 for the House and Sheet G1 for the Garage
- Item 30 Shown on Sheet 7
- Item 31 Shown on Sheet 7
- Item 32 Shown on sheet 7
- Item 35 Neither Garage is being heated or cooled. Spoke with Carey Boyd, who said we could disregard this item behind the information that neither garage was to be heated or cooled.
- Item 36 Shown on Sheet 7

P.O. Box 2749, Grass Valley, CA 95945 530-432-9851 Fax 530-432-9887

Distributors of Structural Insulated Panels & "TF" Insulated Concrete Forming Systems

Response to "Staff Level Project Review"

- Item 1 Shown on Sheet 4
- Item 2 Shown on Sheet 4
- Item 3 Noted on Sheet 4
- Item 4 Noted on Sheet 4
- Item 5 Noted on Sheet 4
- Item 6 Noted on Sheet 1
- Item 7 Noted on Sheet 4
- Item 8 Noted on Sheet 1
- Item 9 Noted on Sheet 4
- Item 10 Shown and noted on Sheet 4
- Item 11 Noted on Sheet 4 - Cut sheet provided
- Item 12 Noted in large type on Sheet 7 - Mechanical Plan
- Item 13 Noted
- Item 14 Noted
- Item 15 Noted

Wednesday, April 07, 2004

Engineer Submittal

City of Sacramento
Building Inspection Division
1231 I St., Rm. 200,
Sacramento 95814

Attention: Carey Boyd.

RE: Plan review comments for permit # PC-0403374 Address: 3931 Ivy. St.

Dear Carey,

Thank you for your timely and thorough review of the above mentioned project. Below please find a response or clarification for each item that pertains to structural engineering of the above mentioned project.

Comment 5 Please see sheet 2 and the note concerning the hold down setback near garage opening

Comment 6 SEE NOTE ON SHEET 2. Footings shall be 3 inches deeper at ALL STR locations below the depth of the anchor

Comment 8 Please see sheet 2, footing schedule for footing pad at the nook is "B"

Comment 9 Please see sheet 2 footing has been removed.

Comment 12 Please see revised calculation package with shear wall calculations for each wall.

Comment 13 Please see revised calculation package with estimated wall and ceiling weights.

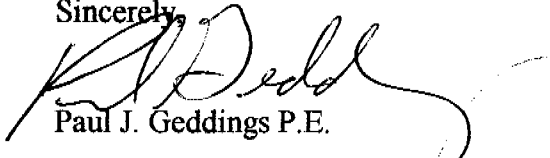
Comment 14 Please see attached the current listing approval report for the Sip Wall System

Comment 15 Please see sheet 3 and addition of requested shear wall length.

- Comment 16 Please see sheet 3 and addition of requested shear wall length
- Comment 17 Please see sheet 3 (lines 1 & 4), and detail SP4 on Sheet SD a simpson MST27 strap and blocking will be used to tie the two top plates.
- Comment 18 Please see sheet 3 (line C), and detail 2A on Sheet SD. Please note the wall was shortened to the interior only.
- Comment 19 Please see sheet 6 and the beam size at porch now indicates a 6"x10" D.F. no 1.
- Comment 20 Please see sheet 6 (line D), and the revised truss layout, the addition of a drag truss and drag truss connector are now shown on the plans.
- Comment 21 Please see sheet 6 (line B), and the revised truss layout, the addition of a drag truss and drag truss connector are now shown
- Comment 22 Please see sheet 6 (line B) and detail SP3 on sheet SD. The trusses will have cross trussing in addition to being blocked and strapped full length to a drag hip truss.
- Comment 23 Please see sheet 6 and the post located under nook end of the 20-foot span for porch beam #1.
- Comment 24 Please see sheets 2 & 6, double studs with pad footings are now shown.
- Comment 25 Please see sheets 6, for truss connector callouts.
- Comment 27 Please see sheets 6, for connection callouts and sheet SD detail SP5 for detail requested.
- Comment 28 Beam calculation mentioned is not used for this project. please see revised calculation packet (Detached garage beams).
- Comment 33 Please See Beam calculation for detached garage with girder in revised calculation packet for manufactured beam).
- Comment 34 Please see revised calculations lines e,f, and line 7 and 8.

If additional information is required to proceed with the permitting process or if you have any further questions please contact at 274-9011.

Sincerely,



Paul J. Geddings P.E.

Certification of Compliance School District Development Fees

PART 1 To be completed by APPLICANT

Owner's Name & Address Jes & Elizabeth Sorum
 Project Address 3931 IVY ST.
 Parcel Number 0252-0011-003 Lot No. _____
 Subdivision Name _____ Number of Units ONE
 Applicant's Signature & Title Elizabeth Sorum owner
 Date 4-23-04 Phone No. (916) 974-1307

NOTICE TO APPLICANT: Pursuant to Government Code Section 66020(d), this will serve to notify you that the 90-day approval period in which you may protest the fees or other payment identified above will begin to run on the date in which the building or installation permit for this project is issued or on which they are paid to the district(s) or to another public entity authorized to collect them on behalf of the district(s), whichever is earlier.

PART 2 To be completed by BUILDING DEPARTMENT

Plan Identification Number 0403374 Building Type (CHECK ONE)
 Square Feet of Chargeable Building Area 3092 sq ft Residential
 Signature Greg Jones Apartment/Condominium
 Title S.I. III Commercial/Industrial
 Date 3.30.04

PART 3 To be completed by SCHOOL DISTRICTS

Grant Joint Union High School District
 District Certification No. 04-1620
 EXEMPT _____
 Comments
 RESIDENTIAL / APARTMENT / CONDOMINIUM
3092 Sq.Ft. x \$ 2.24 = \$ 6,926.08
 COMMERCIAL / INDUSTRIAL
 _____ Sq.Ft. x \$ _____ = \$ _____
 OTHER FEE: TYPE _____
 _____ Sq.Ft. x \$ _____ = \$ _____
 TOTAL FEES COLLECTED = \$ 6,926.08

Robla Elementary School District
 District Certification No. _____
 EXEMPT _____
 Comments
 RESIDENTIAL / APARTMENT / CONDOMINIUM
 _____ Sq.Ft. x \$ _____ = \$ _____
 COMMERCIAL / INDUSTRIAL
 _____ Sq.Ft. x \$ _____ = \$ _____
 OTHER FEE: TYPE _____
 _____ Sq.Ft. x \$ _____ = \$ _____
 TOTAL FEES COLLECTED = \$ _____

This Certification covers only the amount of square footage indicated above. Any additions or corrections to the square footage for this project will require an amendment to the Certificate of Compliance.
 As the authorized school district official, I hereby certify that the requirements of Government Code Section 65995 and any other authorized requirements have been complied with by the above signed applicant.

GRANT	Authorized School District Official	ROBLA
Signature <u>[Signature]</u>	Signature _____	Signature _____
Title _____	Title _____	Title _____
Date <u>4/23/04</u>	Date _____	Date _____

Department of Planning and Development
Building Inspection Division
Grading and Erosion Control Questionnaire

To be completed for all residential new construction and additions

PART I (To be completed by applicant)

Site Address 3931 Ivy St. A.P.N. 252-0011-003

Applicant Information

Name Jess + Eliz Shrum
Address 3913 Ivy St
Sacramento Ca. 95838
Phone (916) 924-1307

Project Information (Check One)

Single Family Dwelling
Duplex
Triplex
Deep Lot Development

PART II (To be completed by the applicant when the project is not a part of a larger subdivision)

Are there existing structures on site? Y N

Does the site front on a paved road? Y N *

Is the site higher than the crown of adjacent road? Y N *

Is the proposed building site higher than the back of the sidewalk or curb? Y N *

Describe existing frontage improvements along road.
 Ditch * Curb and Gutter Curb, Gutter, and Sidewalk

The direction of drainage on this site is:
 Front to Rear * Rear to Front Side to Side *

Does an adjacent site drain across this parcel? Y * N

Does this site have an existing low area or drainage swale? Y * N

Will construction require cut or fill on site? (* >50FT3 or >2FT)

- How much cut?	_____ Yards	_____ Depth	<input type="checkbox"/> Y * <input checked="" type="checkbox"/> N
- How much fill?	_____ Yards	_____ Depth	<input type="checkbox"/> Y * <input checked="" type="checkbox"/> N

Has building site been previously been filled? Y * N

Will existing drainage be re-routed? Y * N

Do you plan to construct or modify culverts or drainage ditches? Y * N

Print Name Jess Shrum Title Owner

Signature [Signature] Date 3-8-04
Owner or Contractor

PART III (To be completed by staff)

What is the acreage of the parcel to be built on? _____ Acres.

If greater than 1/2 acre has an approved erosion and sediment control plan been provided? Y N

If greater than 5 acres has the applicant provided a copy of the State General Permit NOI and the SWPPP? Y N

Is the parcel to be built on part of a larger subdivision? Y N

Subdivision Name: _____

If yes has an approved erosion and sediment control plan been provided? Y N

If the original subdivision is greater than 5 acres has the applicant provided a copy of the State General Permit NOI and the SWPPP? Y N

Is grading and drainage approval required prior to permit issuance? Y N

Approved by: _____ Date: _____

Building permit #: _____

White Copy - Permit Jacket
Yellow - Utilities
Pink - Bldg. Div.

This form is to be filled out completely & signed by applicant/owner/contractor responsible for Title 24 Energy Compliance & returned to the field inspector at final.

INSTALLATION CERTIFICATE

(Page 1 of 13)

CF-6R

3931 Ivy Street

0403374

Site Address

Permit Number

An installation certificate is required to be posted at the building site or made available for all appropriate inspections. (The information provided on this form is required; however, use of this form to provide the information is optional.) After completion of final inspection, a copy must be provided to the building department (upon request) and the building owner at occupancy, per Section 10-103(b).

HVAC SYSTEMS:

Heating Equipment

Equip. Type (pkg. heat pump)	CEC Certified Mfr Name and Model Number	# of Identical Systems	Efficiency (AFUE, etc.) ¹ [\geq CF-1R value]	Duct Location (attic, etc.)	Duct or Piping R-value	Heating Load (Btu/hr)	Heating Capacity (Btu/hr)
<u>SPLIT</u>	<u>Heil Scroll</u>	<u>1</u>	<u>92%</u>	<u>ATTIC</u>	<u>4.2</u>		<u>100K</u>

Cooling Equipment

Equip. Type (pkg. heat pump)	CEC Certified Compressor Unit Mfr Name and Model Number	# of Identical Systems	Efficiency (SEER, etc.) ¹ [\geq CF-1R value]	Duct Location (attic, etc.)	Duct R-value	Cooling Load (Btu/hr)	Cooling Capacity (Btu/hr)
	<u>HEIL</u>	<u>1</u>	<u>12</u>	<u>ATTIC</u>	<u>4.2</u>		<u>5 Ton</u>

1. \geq reads greater than or equal to.

I, the undersigned, verify that equipment listed above is: 1) the actual equipment installed, 2) equivalent to or more efficient than that specified in the certificate of compliance (Form CF-1R) submitted for compliance with the Energy Efficiency Standards for residential buildings, and 3) equipment that meets or exceeds the appropriate requirements for manufactured devices (from the Appliance Efficiency Regulations or Part 6), where applicable.

[Signature]
Signature, Date

Sun-Light HVAC Co.
Installing Subcontractor (Co. Name)
OR General Contractor (Co. Name) OR Owner

WATER HEATING SYSTEMS:

Heater Type	CEC Certified Mfr Name & Model Number	Distribution Type (Std, Point-of-Use)	If Recirculation, Control Type	# of Identical Systems	Rated ² Input (kW or Btu/hr)	Tank Volume (gallons)	Efficiency ² (EF, RE)	Standby ² Loss (%)	External Insulation R-value ³
<u>gas</u>	<u>A.O. SMITH ACO PCA-75</u>	<u>Std</u>		<u>1</u>	<u>75,000</u>	<u>75</u>			

- 2 For small gas storage (rated input of less than or equal to 75,000 Btu/hr), electric resistance and heat pump water heaters, list Energy Factor. For large gas storage water heaters (rated input of greater than 75,000 Btu/hr), list Recovery Efficiency, Standby Loss and Rated Input. For instantaneous gas water heaters, list Recovery Efficiency and Rated Input.
- 3. R-12 external insulation is mandatory for storage water heaters with an energy factor of less than 0.58.

Faucets & Shower Heads:

All faucets and showerheads installed are certified to the Commission, pursuant to Title 24, Part 6, Section 111.

I, the undersigned, verify that equipment listed above my signature is: 1) the actual equipment installed; 2) equivalent to or more efficient than that specified in the certificate of compliance (Form CF-1R) submitted for compliance with the Energy Efficiency Standards for residential buildings; and 3) equipment that meets or exceeds the appropriate requirements for manufactured devices (from the Appliance Efficiency Regulations or Part 6), where applicable.

[Signature]
Signature, Date

Sun-Light HVAC Co.
Installing Subcontractor (Co. Name) OR
General Contractor (Co. Name) OR Owner

COPY TO: Building Department
HERS Provider (if applicable)
Building Owner at Occupancy

INSTALLATION CERTIFICATE

CF-6R

3931 Ivy St
Site Address

0403374
Permit Number

FENESTRATION/GLAZING:

Manufacturer/Brand Name (GROUP LIKE PRODUCTS)	Product U-Factor ¹ (≤ CF-1R value) ²	Product SHGC ¹ (≤ CF-1R value) ²	# of Panes	Total Quantity of Like Product (Optional)	Square Feet	Exterior Shading Device or Overhang	Comments/Location/Special Features
1. <u>International Window</u>	<u>.37</u>	<u>.32</u>	<u>2</u>	<u>2</u>	<u>16</u>		<u>HS</u>
2. <u>IWC</u>	<u>.33</u>	<u>.32</u>	<u>1</u>	<u>3</u>	<u>10</u>		<u>Picture arch</u>
3. <u>IWC</u>	<u>.37</u>	<u>.32</u>	<u>2</u>	<u>11</u>	<u>15</u>		<u>SH</u>
4. <u>IWC</u>	<u>.37</u>	<u>.32</u>	<u>2</u>	<u>2</u>	<u>8</u>		<u>SH</u>
5. <u>IWC</u>	<u>.37</u>	<u>.32</u>	<u>3</u>	<u>3</u>	<u>21</u>		<u>SH</u>
6. <u>IWC</u>	<u>.37</u>	<u>.32</u>	<u>1</u>	<u>2</u>	<u>4</u>		<u>FIXED SIDE DOOR</u>
7. <u>IWC</u>	<u>.37</u>	<u>.32</u>	<u>4</u>	<u>5</u>	<u>25</u>		<u>SH MOLDED</u>
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							

¹ Manufactured fenestration products use the values from the product label. Field fabricated fenestration products use the default values from Section 116 of the Energy Efficiency Standards.

² Installed U-Factor must be less than or equal to values from CF-1R. Installed SHGC must be less than or equal to values from CF-1R, or a shading device (exterior or overhang) is installed as specified on the CF-1R. Alternatively, installed weighted average U-Factors for the total fenestration area are less than or equal to values from CF-1R.

I, the undersigned, verify that the fenestration/glazing listed above my signature: 1) is the actual fenestration product installed; 2) is equivalent to or has a lower U-Factor and lower SHGC than that specified in the certificate of compliance (Form CF-1R) submitted for compliance with the *Energy Efficiency Standards* for residential buildings; and 3) the product meets or exceeds the appropriate requirements for manufactured devices (from Part 6), where applicable.

Item #s (if applicable)	Signature, Date	Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner OR Window Distributor
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COPY TO: Building Department
HERS Provider (if applicable)
Building Owner at Occupancy