

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0514492
Insp Area: 3
Thos Bros: 317F4

Site Address: 3847 26TH AV SAC
Parcel No: 022-0094-044

DESIGN REVIEW05-060

Sub-Type: NSFR
Housing (Y/N): N

CONTRACTOR

OWNER

ARCHITECT

FARREN JUSTIN L/DEVIN
455 UNION ST
ARCATA, CA 95521

Nature of Work: NSFR 838sf GARGE 252sf & covr front porch 58sf

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 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.)

PAID
CITY OF SACRAMENTO

____ I am exempt under Sec. _____ B & PC for this reason: _____
Date 12-5-05 Owner Signature _____ DEC 05 2005

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 12-5-05 Applicant/Agent 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 12-5-05 Applicant 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
DEVELOPMENT SERVICES DEPARTMENT
BUILDING DIVISION**

North Permit Center
2101 Arena Blvd., Suite 200
Sacramento, CA 95834
Inspection: (916) 808-4677

OWNER BUILDER VERIFICATION

1. Check one below - I or my immediate family (parent, spouse, or child) will perform:

- A - all the work authorized by this permit.
- B - a portion of the work.
- C - none of the work.

B

If B or C is checked, complete 2 or 3 below.

2. A State licensed contractor (*) will be hired to do:

- all of the authorized work.
- a portion of the authorized work.

Name Albert Garcia Concrete Phone _____

Address _____

Type of Work Foundation

Name _____ Phone _____

Address _____

Type of Work _____

Name _____ Phone _____

Address _____

Type of Work _____

Name _____ Phone _____

Address _____

Type of Work _____

3. I will utilize unlicensed person(s) other than my immediate family to perform all or portions of the authorized work. A Certificate of Workers Compensation must be on file at this office.

I declare under penalty of perjury that the above is true and correct. I have read and understand the owner-builder information on the reverse side of this form.

Signed: Property Owner [Signature]

Date 12-05-05 Case No. _____ Permit No. 0514492

Job Address 3847 26th avenue

Note: * Information regarding unknown contractors or change in subcontractors shall be submitted to the Building Inspection field office.

Certification of Compliance
School District Development

Part I—To be completed by the APPLICANT

Owner's Name/Address Justin Farren
 Project Address 3847 20th AV.
 Parcel Number 0022-0094-044 Lot No. _____
 Subdivision Name _____ No. of Units ONE
 Applicant's Signature [Signature] Title Owner
 Phone No. (916) 204-1234 Date 11/14/05

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 II—To be completed by the BUILDING DEPARTMENT

Plan Identification Number 0514492
 Building Type (check one) Residential Apartment/Condominium Commercial/Industrial
 Square Feet of Chargeable Building Area 838^{sq}'
 Signature/Title Greg Pad B.I. II Date 10-10-05

Part III—To be completed by the SCHOOL DISTRICT

School District SCUSD Certificate No. 11025

Exempt Comments _____

| | | | | | | |
|-----------------------------------|------------|-----------------|-------------|------|-----------------|-----------------|
| <u>Residential/Apartment/etc.</u> | <u>838</u> | Square ft. x \$ | <u>0.24</u> | = \$ | <u>1,877.12</u> | |
| Commercial/Industrial | | Square ft. x \$ | | = \$ | | |
| Total fees collected..... | | | | | = \$ | <u>1,877.12</u> |

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 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.

Signature [Signature] Date 11/15/05

White & County—School District • Pink—Building Department • Goldenrod—Applicant

City of Sacramento
Development Services Department
PLANNING REVIEW FOR BUILDING PERMIT SUBMITTAL

| | |
|---|--|
| ADDRESS: 3883 - 26 th Avenue (aka 3887 - 26 th Avenue) | APN: 022-0094-045 |
| DRPB AREA / PUD / SPD: One Park | ZONING: R-1 |
| EXISTING LAND USE: vacant residential lot, 28 feet wide | |
| PROPOSED USE: new SFR | |
| 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): <input type="checkbox"/> APC <input type="checkbox"/> ZA <input type="checkbox"/> IR <input type="checkbox"/> ER <input type="checkbox"/> DR <input type="checkbox"/> PB Required Planning application must be approved before project can be submitted for plan check |
| <input type="checkbox"/> | Application(s) IN PROGRESS. File Number: Application must be approved before project can be submitted for plan check. |
| <input checked="" type="checkbox"/> | Application(s) COMPLETED. File Number & approval date: DR05-060, app'd 5/09/2005 Building permit must be based on approved plans and comply with all conditions of approval. Do NOT accept applications for building permit prior to the end of the 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 prior to issuance 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"/> | Route to SITE for inspection only, plan check not required. |
| <input type="checkbox"/> | Preliminary review ONLY; the information on this form must be reviewed again and confirmed at the time of building permit submittal. |
| CONDITIONS AND COMMENTS: LOT 28 x 75 = 2100 / 540 = 26% lot coverage. Setbacks okay. SFR plans submitted w/ Z05-033 and approved by DR will NOT need setback variance for 4-foot side yards after July 27; changes to Zoning Code passed by CC on July 28, 2005, allow 3-foot side yard setbacks on lots less than 40 feet wide. Lot merger is not necessary for house proposed to be constructed; it is located entirely on the front lot w/ street frontage. Front setback min. 25' and rear min. 15'. Lot coverage under 40%. No tree removal proposed. Under 40% paving for min. 25' front setback area. | |
| DATE: 7/13/2005 - 11-15-2005 | BY: Philip Reed / PMorgan |

0514492

Downtown Permit Center
 1231 I Street, Suite 200
 Sacramento, CA 95814
 Help Line: 1-916-264-5656

CITY OF SACRAMENTO
 DEVELOPMENT SERVICES DEPARTMENT
 BUILDING DIVISION
www.cityofsacramento.org

North Permit Center
 2101 Arena Blvd., Suite 200
 Sacramento, CA 95834
 Inspection: 1-916-808-4677

SITE DRAINAGE AND ENCROACHMENT QUESTIONNAIRE

PARCEL # 0022 - 0094 - 044 PERMIT # 0514492
 SITE ADDRESS 3847 26th AV. ACREAGE _____

The City of Sacramento requires a building site to be graded to drain correctly and site drainage routed to an approved location. To help us understand the site drainage for your project and determine if a driveway permit or an encroachment permit is required please answer the following questions. All questions must be answered.

- | | | |
|--|------------------------------------|--|
| 1. Are there existing structures on the site? | <input checked="" type="radio"/> Y | <input type="radio"/> N |
| 2. Is there an existing concrete or paved driveway to this parcel from the street? | <input type="radio"/> Y | <input checked="" type="radio"/> N |
| 3. Will the existing access to this parcel be changed in any way for this project? | <input checked="" type="radio"/> Y | <input type="radio"/> N |
| 4. Are all portions of the lot higher than the crown of the street? | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N |
| 5. Are all portions of the lot higher than the back of the sidewalk? | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N |
| 6. Is there a curb and gutter at the street level? | <input checked="" type="radio"/> Y | <input type="radio"/> N |
| 7. Is there a sidewalk with a curb and gutter at the street? | <input checked="" type="radio"/> Y | <input type="radio"/> N |
| 8. Is the curb at the street square? | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N N/A |
| 9. Is there a rolled curb at the street? | <input checked="" type="radio"/> Y | <input type="radio"/> N N/A |
| 10. Is there a drainage ditch or culvert at the street? | <input type="radio"/> Y | <input checked="" type="radio"/> N N/A |
| 11. Does the lot drain from back to front? | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N |
| 12. Does the lot drain from front to rear? | <input type="radio"/> Y | <input checked="" type="radio"/> N |
| 13. Does another lot drain across this parcel? | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N |
| 14. Does the lot drain from side to side? | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N |
| 15. Does the site have an existing low area or drainage swale? | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N |
| 16. Does the drainage swale drain to an adjacent parcel? | <input checked="" type="radio"/> Y | <input type="radio"/> N N/A |
| 17. Does the drainage swale drain to the street? | <input type="radio"/> Y | <input checked="" type="radio"/> N N/A |
| 18. Will existing drainage be re-routed? | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N |
| 19. Will drainage ditches or culverts be constructed or modified? | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N N/A |
| 20. Did this project require approval from the Zoning Administrator? | <input checked="" type="radio"/> Y | <input type="radio"/> N |
| 21. Did the project require approval from the Planning Administrator? | <input checked="" type="radio"/> Y | <input type="radio"/> N |

NOTE LOT DRAINAGE MUST BE TO THE STREET

CITY COPY



CITY OF SACRAMENTO
CALIFORNIA

PLANNING AND
BUILDING DEPARTMENT
PLANNING DIVISION

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

WATER DEVELOPMENT FEE WAIVER

Applicant: JUSTIN FARRIN Phone: (916) 204-1259

Property Address: 3847 26TH AVE.

APN: 022-0094-045 Zoning: R-1 Number of Units: 1

This project qualifies for the waiver because it is in a:

REDEVELOPMENT AREA; or

DESIGNATED INFILL AREA; or

QUALIFIED INFILL AREA, meeting all of the following requirements:

1. The site is located in a neighborhood where the median year of housing construction is 1965 or earlier as shown on the Neighborhood Statistics Boundary Map, or the applicant has proof to the satisfaction of the Planning Director that the median age of housing within 500 feet of the site was developed prior to 1965; and
2. The lot is surrounded on three sides by existing or approved development; and
3. The project is consistent with the General Plan or more specific plan designation; and
4. The site is no more than 5 acres in size for single family development, or 2 acres in size for multiple family development; and
5. The site has City sewer, water, and drainage services, or is within proposed or existing assessment district for these services; and the services provided are capable of serving the proposed development to the satisfaction of the Public Works Director.

Fee Waiver Denied by: _____ Date: _____

Fee Waiver Approved by: *Christina Bloufain* Date: 12/5/05

WD No: _____



CITY OF SACRAMENTO

www.cityofsacramento.org

Help Line: 1-916-808-5656 OR 1-866-EZ-PERMIT
 Inspection: 1-916-808-7622

Downtown Permit Center
 1231 I Street, Suite 200
 Sacramento, CA 95814

North Permit Center
 2101 Arena Blvd., Suite 200
 Sacramento, CA 95834

RESIDENTIAL APPLICATION
 1-916-264-5656 OR 1-866-EZ-PERMIT

3847 26th avenue
 BUILDING SITE ADDRESS SUITE INSP. AREA

022 - 0094 - 045 - 0000
 ASSESSOR'S PARCEL NO. COMMUNITY PLAN NO. PLAN CHECK NO.

| NAME OF APPLICANT | ADDRESS | ZIP CODE | PHONE NO. |
|---------------------------|-----------------|----------|----------------|
| LICENSED CONTRACTOR | | | |
| CONTRACTOR'S LICENSE NO.: | | | |
| PROPERTY OWNER | | | |
| Justin Farren | 4611 Larson Way | 95822 | (916) 204-1259 |
| ARCHITECT/ENGINEER | | | |

| | | | | | | |
|----------------|--------------|---------------|----------------------------|------------|-------------|------------|
| 2 | 4 | - | 420 | 1089 | 252 | 54 |
| No. of Stories | No. of Rooms | Roof Covering | Area 1 st Floor | Total Area | Garage Area | Patio Area |

THIS PERMIT IS FOR:

- BUILDING MECHANICAL PLUMBING ELECTRICAL SITE FIRE

NATURE OF WORK IN DETAIL

New Single Family Residence

\$ _____
 VALUATION



**CITY OF SACRAMENTO
CALIFORNIA**

PLANNING AND
BUILDING DEPARTMENT

PHONE 916-264-5381

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

FAX 916-264-5543

STAFF LEVEL PROJECT REVIEW

| | | | |
|----------------|------------------------------|------------------|--------------------|
| DR Number: | DR05-060 | Applicant/Owner: | Justin Farren |
| Address: | 3883 26 th Avenue | Date Filed: | March 02, 2005 |
| Description: | New Single Family Residence | Date Approved: | May 09, 2005 |
| Staff Contact: | Kalin Pacheco (916) 808-8048 | APN: | 022-0094-044 & 045 |

STAFF ACTION AND CONDITIONS OF APPROVAL:

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

1. Windows at front upper elevations shall be 2'-0" x 4'-0" and 3'-0" x 4'-0" single hung with decorative trim, sill, and shutters as indicated on approved drawings. All other windows shall have decorative trim at minimum.
2. Front entry door and garage door shall have decorative raised panel design as indicated on approved drawings.
3. Porch element shall be a minimum of 5 feet deep with decorative columns and railing as shown on approved drawings.
4. Upper gables at front and rear elevations shall have decorative wood or fiber cement shingles as shown on approved plans.
5. Smooth Hardiplank fiber cement horizontal lap siding (maximum width of 7") shall be provided at all elevations as shown on approved drawings.
6. All woodwork shall be smooth finish, no rough sawn.
7. Six (6) foot high wood fences at sides and rear shall be provided.
8. Front yard landscaping (including lawn, shrubs, and a minimum of one tree) and automatic irrigation shall be provided.
9. Roof pitch shall be a 12/12 as indicated on approved drawings.
10. Roofing shall be a minimum 30-year laminated dimensional composition shingle.
11. Gutters and downspouts shall be provided.
12. Decorative light fixtures shall be provided at front entry and garage.
13. No roof-mounted mechanical equipment is allowed.
14. 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.
15. 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.
16. 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.

Kalin Pacheco
Design Review

CITY COPY



CITY OF SACRAMENTO

WWW.CITYOFSACRAMENTO.ORG

Downtown Permit Center
New City Hall, 915 I Street, 3rd Floor Sacramento, CA 95814
North Permit Center
2101 Arena Blvd., Suite 200, Sacramento, CA 95834

1-916-808-5656 or 1-866-EZ-PERMIT

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

PROJECT ADDRESS
& DESCRIPTION

3847 26TH AVE, NEW SFR W/ ATTACHED GARAGE

PERMIT
NO: 0514492

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 of: Owner Authorized Agent Contractor Architect/Engineer

Date 11/14/05

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 5.7 square 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 1

0514492
TITLE 24 REPORT

Title 24 Report for:

Justen
3845 26th Avenue
Sacramento, Ca 95816

0514492

Project Designer:

Charles Loftis
3112 Wiese Way
Sacramento,, Ca 95833
359-8771

Report Prepared By:

Charles Loftis
Charles Loftis Drafting
3112 Wiese Way
Sacramento, CA 95833
(916) 929-5012

ISSUED
CITY OF SACRAMENTO
DEC 6 5 2005
DOWNTOWN PERMIT
CENTER

Job Number:

1089.5

CITY OF SACRAMENTO
DOWNTOWN PERMIT
CENTER

NOV 15 2005

RECEIVED

Date:

11/14/2005

The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2001 Building Energy Efficiency Standards.

This program developed by EnergySoft, LLC (415) 897-6400.

EnergyPro 3.1 By EnergySoft

Job Number: 1089.5

User Number: 5266

Job Copy

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| HVAC System Heating and Cooling Loads Summary | 12 |

Certificate of Compliance: Residential

(Part 1 of 2) **CF-1R**

Justen
Project Title
3845 26th Avenue Sacramento
Project Address
Charles Loftis Drafting
Documentation Author
Computer Performance
Compliance Method (Package or Computer)

(916) 929-5012
Telephone
12
Climate Zone

Date: 11/14/2005

Building Permit #
Plan Check / Date
Field Check / Date
Enforcement Agency Use Only

GENERAL INFORMATION

Total Conditioned Floor Area: 838 ft² Average Ceiling Height: 11.2 ft
Total Conditioned Slab Area: 168 ft²

Building Type:
(check one or more)

- Single Family Detached Addition
 Single Family Attached Existing Building
 Multi-Family Existing Plus Addition

Front Orientation: (South) 180 deg Floor Construction Type: Slab Floor
Number of Dwelling Units: 1.00
Number of Stories: 2 Raised Floor

BUILDING SHELL INSULATION

| Component Type | Frame Type | Const. Assembly U-Value | Location/Comments (attic, garage, typical, etc.) |
|--------------------------|------------|-------------------------|--|
| Slab On Grade | n/a | 0.756 | Covered Slab w/R-0.0 Perimeter Insulation |
| R-19 Wall (W.19.2x6.16) | Wood | 0.095 | Exterior Wall |
| Solid Wood Door | None | 0.387 | Exterior Door |
| R-19 Floor (F.19.2x8.16) | Wood | 0.038 | Exterior Floor / Over Crawlspace (w/R-6 Credit) |
| R-22 Roof (R.22.2x10.16) | Wood | 0.045 | Exterior Roof |
| | | | |
| | | | |
| | | | |
| | | | |

FENESTRATION

Shading Devices

| Type | Orientation | Area (SF) | U-Factor | Fenestration SHGC | Exterior Shading | Overhang Yes / No | Side Fins Yes / No |
|-------|-------------|-----------|----------|-------------------|------------------|--|--|
| Front | (South) | 28.0 | 0.60 | 0.65 | Bug Screen | <input type="checkbox"/> <input checked="" type="checkbox"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Left | (West) | 12.0 | 0.60 | 0.65 | Bug Screen | <input type="checkbox"/> <input checked="" type="checkbox"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Rear | (North) | 81.0 | 0.60 | 0.65 | Bug Screen | <input type="checkbox"/> <input checked="" type="checkbox"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Right | (East) | 32.0 | 0.60 | 0.65 | Bug Screen | <input type="checkbox"/> <input checked="" type="checkbox"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| | | | | | | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |

Run Initiation Time: 11/14/05 15:11:55 Run Code: 1132009915

Certificate of Compliance: Residential

(Part 2 of 2) **CF-1R**

Justen
Project Title

11/14/2005
Date

HVAC SYSTEMS Note: Input Hydronic or Combined Hydronic data under Water Heating Systems, except Design Heating Load.

| Heating Equipment Type (furnace, heat pump, etc.) | Minimum Efficiency (AFUE/HSPF) | Distribution Type and Location (ducts, attic, etc.) | Duct or Piping R-Value | Thermostat Type | Location / Comments |
|---|--------------------------------|---|------------------------|-----------------|---------------------|
| Central Furnace | 92% AFUE | Ducts in Attic | 4.2 | Setback | HVAC System |
| | | | | | |
| | | | | | |
| | | | | | |

| Cooling Equipment Type (air conditioner, heat pump, evap. cooling) | Minimum Efficiency (SEER) | Duct Location (attic, etc.) | Duct R-Value | Thermostat Type | Location / Comments |
|--|---------------------------|-----------------------------|--------------|-----------------|---------------------|
| Split Air Conditioner | 12.0 SEER | Ducts in Attic | 4.2 | Setback | HVAC System |
| | | | | | |
| | | | | | |
| | | | | | |

WATER HEATING SYSTEMS

| Water Heater System Name | Water Heater Type | Distribution Type | # in Syst. | Rated Input Btu/hr ¹ | Tank Cap. (gal) | Energy Fact. or Recovery Efficiency ¹ | Standby Loss (%) ¹ | External Tank Insul. R-Value |
|--------------------------|-------------------|-------------------|------------|---------------------------------|-----------------|--|-------------------------------|------------------------------|
| A.O. SMITH FPS-40-224 | Small Gas | Standard | 1 | 42,000 | 40 | 0.62 | n/a | n/a |

¹ 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 Rated Input, Recovery Efficiency and Standby Loss. For instantaneous gas water heaters, list Rated Input and Recovery Efficiency.

REMARKS

COMPLIANCE STATEMENT

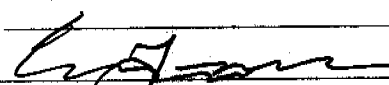
This certificate of compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations, and the administrative regulations to implement them. This certificate has been signed by the individual with overall design responsibility. When this certificate of compliance is submitted for a single building plan to be built in multiple orientations, any shading feature that is varied is indicated in the Special Features/Remarks section.

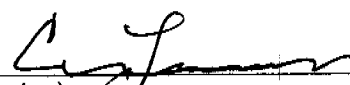
Designer or Owner (per Business & Professions Code)

Name: _____
 Title/Firm: Charles Loftis
 Address: 3112 Wiese Way
 Sacramento, Ca 95833
 Telephone: 359-8771
 Lic. #: _____

Documentation Author

Name: Charles Loftis
 Title/Firm: Charles Loftis Drafting
 Address: 3112 Wiese Way
 Sacramento, CA 95833
 Telephone: (916) 929-5012

(signature)  (date) _____

(signature)  (date) _____

Enforcement Agency

Name: _____
 Title/Firm: _____
 Address: _____
 Telephone: _____

(signature/stamp) _____ (date) _____

Computer Method Summary

(Part 1 of 3) C-2R

Justen
 Project Title
 3845 26th Avenue Sacramento
 Project Address
 Charles Loftis Drafting
 Documentation Author

(916) 929-5012
 Telephone
 12
 Climate Zone

11/14/2005
 Date

| |
|-------------------|
| Building Permit # |
| Plan Check/Date |
| Field Check/Date |

Computer Performance

Compliance Method (Package or Computer) _____

| Source Energy Use (kBtu/sf-yr) | Standard Design | Proposed Design | Compliance Margin |
|--------------------------------|-----------------|-----------------|-------------------|
| Space Heating | 14.53 | 13.17 | 1.36 |
| Space Cooling | 11.47 | 15.81 | -4.34 |
| Domestic Hot Water | 24.40 | 19.97 | 4.43 |
| Totals | 50.40 | 48.95 | 1.45 |

Percent better than Standard: 2.9%

BUILDING COMPLIES

Total Conditioned Floor Area: 838 ft² Floor Construction Type: Raised Floor Slab Floor
 Building Type: Single Fam Detached
 Building Front Orientation: (South) 180 deg Total Fenestration Area: 18.3%
 Number of Dwelling Units: 1.00 Total Conditioned Volume: 9,378 ft³
 Number of Stories: 2 Total Conditioned Slab Area: 168 ft²

BUILDING ZONE INFORMATION

| Zone Name | Floor Area | Volume | # of Units | Zone Type | Thermostat Type | Vent Hgt. | Vent Area |
|-------------|------------|--------|------------|-------------|-----------------|-----------|-----------|
| HVAC System | 838 | 9,378 | 1.00 | Conditioned | Setback | 8 | n/a |

OPAQUE SURFACES

| Type | Area | U-Fac. | Act. Azm. | Tilt | Solar Gains Y/N | Form 3 Reference | Location / Comments |
|---------|------|--------|-----------|------|-----------------|--------------------------|---------------------|
| Wall | 43 | 0.065 | 180 | 90 | X | R-19 Wall (W.19.2x6.16) | 1st Floor |
| Door | 21 | 0.387 | 180 | 90 | X | Solid Wood Door | 1st Floor |
| Wall | 216 | 0.065 | 270 | 90 | X | R-19 Wall (W.19.2x6.16) | 1st Floor |
| Wall | 47 | 0.065 | 0 | 90 | X | R-19 Wall (W.19.2x6.16) | 1st Floor |
| Door | 17 | 0.387 | 0 | 90 | X | Solid Wood Door | 1st Floor |
| Wall | 216 | 0.065 | 90 | 90 | X | R-19 Wall (W.19.2x6.16) | 1st Floor |
| FloorCS | 670 | 0.038 | 0 | 180 | X | R-19 Floor (F.19.2x8.16) | 2nd Floor |
| Wall | 132 | 0.065 | 180 | 90 | X | R-19 Wall (W.19.2x6.16) | 2nd Floor |
| Wall | 204 | 0.065 | 270 | 90 | X | R-19 Wall (W.19.2x6.16) | 2nd Floor |
| Wall | 79 | 0.065 | 0 | 90 | X | R-19 Wall (W.19.2x6.16) | 2nd Floor |
| Wall | 184 | 0.065 | 90 | 90 | X | R-19 Wall (W.19.2x6.16) | 2nd Floor |
| Roof | 670 | 0.045 | 180 | 0 | X | R-22 Roof (R.22.2x10.16) | 2nd Floor |

Computer Method Summary

(Part 3 of 3)

C-2R

Justen
Project Title

11/14/2005
Date

THERMAL MASS FOR HIGH MASS DESIGN

| Type | Area (sf) | Thick. (in.) | Heat Cap. | Cond. | Form 3 Reference | Inside R-Val. | Location Comments |
|------|-----------|--------------|-----------|-------|------------------|---------------|-------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

PERIMETER LOSSES

| Type | Length | F2 Factor | Insulation R-Val. | Depth | Location / Comments |
|------|--------|-----------|-------------------|-------|---------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

HVAC SYSTEMS

| Heating Equipment Type (furnace, heat pump, etc.) | Minimum Efficiency (AFUE/HSPF) | Distribution Type and Location (ducts/attic, etc.) | Duct R-Value | Thermostat Type | Location / Comments |
|---|--------------------------------|--|--------------|-----------------|---------------------|
| Central Furnace | 92% AFUE | Ducts in Attic | 4.2 | Setback | HVAC System |
| | | | | | |
| | | | | | |
| | | | | | |

| Hydronic Piping System Name | Pipe Length | Pipe Diameter | Insul. Thick. |
|-----------------------------|-------------|---------------|---------------|
| | | | |
| | | | |
| | | | |

| Cooling Equipment Type (air conditioner, heat pump, evap. cooling) | Minimum Efficiency (SEER) | Duct Location (attic, etc.) | Duct R-Value | Thermostat Type | Location / Comments |
|--|---------------------------|-----------------------------|--------------|-----------------|---------------------|
| Split Air Conditioner | 12.0 SEER | Ducts in Attic | 4.2 | Setback | HVAC System |
| | | | | | |
| | | | | | |
| | | | | | |

WATER HEATING SYSTEMS

| Water Heater System Name | Water Heater Type | Distribution Type | # in Syst. | Rated ¹ Input (Btu/hr) | Tank Cap. (gal) | Energy Fact. ¹ or Recovery Efficiency | Standby ¹ Loss (%) | Tank Insul. R-Value Ext. |
|--------------------------|-------------------|-------------------|------------|-----------------------------------|-----------------|--|-------------------------------|--------------------------|
| A.O. SMITH FPS-40-224 | Small Gas | Standard | 1 | 42,000 | 40 | 0.62 | n/a | n/a |
| | | | | | | | | |
| | | | | | | | | |

¹ For small gas storage (rated input <= 75000 Btu/hr), electric resistance and heat pump water heaters, list energy factor. For large gas storage water heaters (rated input > 75000 Btu/hr), list Rated Input, Recovery Efficiency and Standby Loss. For instantaneous gas water heaters, list Rated Input, and Recovery Efficiency.

REMARKS

Mandatory Measures Checklist: Residential (Page 2 of 2) MF-1R

NOTE: Lowrise residential buildings subject to the Standards must contain these measures regardless of the compliance approach used. Items marked with an asterisk (*) may be superseded by more stringent compliance requirements listed on the Certificate of Compliance. When this checklist is incorporated into the permit documents, the features noted shall be considered by all parties as minimum component performance specifications for the mandatory measures whether they are shown elsewhere in the documents or on this checklist only.

| DESCRIPTION <small>Instructions: Check or initial applicable boxes or enter N/A if not applicable.</small> | DESIGNER | ENFORCEMENT |
|---|----------|-------------|
| Space Conditioning, Water Heating and Plumbing System Measures: (continued) | | |
| <input type="checkbox"/> *§ 150(m): Ducts and Fans 1. All ducts and plenums installed, sealed and insulated to meet the requirements of the 1998 CMC Sections 601, 603, 604 and Standard 6-3; ducts insulated to a minimum installed level of R-4.2 or enclosed entirely in conditioned space. Openings shall be sealed with mastic, tape, aerosol sealant, or other duct-closure system that meets the applicable requirements of UL181, UL181A, or UL181B. If mastic or tape is used to seal openings greater than 1/4 inch, the combination of mastic and either mesh or tape shall be used. Building cavities shall not be used for conveying conditioned air. Joints and seams of duct systems and their components shall not be sealed with cloth back rubber adhesive duct tapes unless such tape is used in combination with mastic and drawbands. 2. Building cavities, support platforms for air handlers, and plenums defined or constructed with materials other than sealed sheet metal, duct board or flexible duct shall not be used for conveying conditioned air. Building cavities and support platforms may contain ducts. Ducts installed in cavities and support platforms shall not be compressed to cause reductions in the cross-sectional area of the ducts. 3. Joints and seams of duct systems and their components shall not be sealed with cloth back rubber adhesive duct tapes unless such a tape is used in combination with mastic and drawbands. 4. Exhaust fan systems have back draft or automatic dampers. 5. Gravity ventilation systems serving conditioned space have either automatic or readily accessible, manually operated dampers. 6. Protection of Insulation. Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind but not limited to the following: Insulation exposed to weather shall be suitable for outdoor service e.g., protected by aluminum, sheet metal, painted canvas, or plastic cover. Cellular foam insulation shall be protected as above or painted with a coating that is water retardant and provides shielding from solar radiation that can cause degradation of the material. | | |
| <input type="checkbox"/> § 114: Pool and Spa Heating Systems and Equipment 1. Certified with 78% thermal efficiency, on-off switch, weatherproof operating instructions, no electric resistance heating, and no pilot. 2. System is installed with at least 36" of pipe between filter and heater for future solar, cover for outdoor pools or spas. a. At least 36" of pipe between filter and heater for future solar heating. b. Cover for outdoor pools or outdoor spas. 3. Pool system has directional inlets and a circulation pump time switch. | | |
| <input checked="" type="checkbox"/> § 115: Gas fired central furnaces, pool heaters, spa heaters or household cooling appliances have no continuously burning pilot light. (Exception: Non-electrical cooking appliances with pilot < 150 Btu/hr) | | |
| <input type="checkbox"/> § 118 (f): Cool Roof material meet specified criteria | | |
| Lighting Measures | | |
| <input checked="" type="checkbox"/> § 150(k)1: Luminaires for general lighting in kitchens shall have lamps with an efficacy 40 lumens/watt or greater for general lighting in kitchens. This general lighting shall be controlled by a switch on a readily accessible lighting control panel at an entrance to the kitchen. | | |
| <input checked="" type="checkbox"/> § 150(k)2: Rooms with a shower or bathtub must have either at least one luminaire with lamps with an efficacy of 40 lumens/watt or greater switched at the entrance to the room or one of the alternative to this requirement allowed in Section 150(k)2.; and recessed ceiling fixtures are IC (insulation cover) approved. | | |

Mandatory Measures Checklist: Residential (Page 1 of 2) MF-1R

NOTE: Lowrise residential buildings subject to the Standards must contain these measures regardless of the compliance approach used. Items marked with an asterisk (*) may be superseded by more stringent compliance requirements listed on the Certificate of Compliance. When this checklist is incorporated into the permit documents, the features noted shall be considered by all parties as minimum component performance specifications for the mandatory measures whether they are shown elsewhere in the documents or on this checklist only.

| DESCRIPTION <small>Instructions: Check or initial applicable boxes or enter N/A if not applicable.</small> | DESIGNER | ENFORCEMENT |
|--|--------------------|--------------|
| Building Envelope Measures | | |
| <input checked="" type="checkbox"/> *§ 150(a): Minimum R-19 ceiling insulation. | | |
| <input type="checkbox"/> § 150(b): Loose fill insulation manufacturer's labeled R-Value. | | |
| <input checked="" type="checkbox"/> *§ 150(c): Minimum R-13 wall insulation in wood framed walls or equivalent U-value in metal frame walls (does not apply to exterior mass walls). | | |
| <input checked="" type="checkbox"/> *§ 150(d): Minimum R-13 raised floor insulation in framed floors or equivalent. | | |
| <input type="checkbox"/> § 150(l): Slab edge insulation - water absorption rate no greater than 0.3%, water vapor transmission rate no greater than 2.0 perm/inch. | | |
| <input type="checkbox"/> § 118: Insulation specified or installed meets insulation quality standards. Indicate type and form. | | |
| <input type="checkbox"/> § 116-17: Fenestration Products, Exterior Doors and Infiltration/Exfiltration Controls <ol style="list-style-type: none"> 1. Doors and windows between conditioned and unconditioned spaces designed to limit air leakage. 2. Fenestration products (except field fabricated) have label with certified U-Factor, certified Solar Heat Gain Coefficient (SHGC), and Infiltration certification. 3. Exterior doors and windows weatherstripped; all joints and penetrations caulked and sealed. | | |
| <input type="checkbox"/> § 150(g): Vapor barriers mandatory in Climate Zones 14 and 16 only. | | |
| <input type="checkbox"/> § 150(f): Special infiltration barrier installed to comply with Section 151 meets Commission quality standards. | | |
| <input type="checkbox"/> § 150(e): Installation of Fireplaces, Decorative Gas Appliances and Gas Logs. <ol style="list-style-type: none"> 1. Masonry and factory-built fireplaces have: <ol style="list-style-type: none"> a. Closeable metal or glass door b. Outside air intake with damper and control c. Flue damper and control 2. No continuous burning gas pilots allowed. | | |
| Space Conditioning, Water Heating and Plumbing System Measures | | |
| <input checked="" type="checkbox"/> § 110-13: HVAC equipment, water heaters, showerheads and faucets certified by the Commission. | | |
| <input checked="" type="checkbox"/> § 150(h): Heating and/or cooling loads calculated in accordance with ASHRAE, SMACNA or ACCA. | | |
| <input checked="" type="checkbox"/> § 150(i): Setback thermostat on all applicable heating and/or cooling systems. | | |
| <input checked="" type="checkbox"/> § 150(j): Pipe and Tank Insulation <ol style="list-style-type: none"> 1. Storage gas water heaters rated with an Energy Factor less than 0.56 must be externally wrapped with insulation having an installed thermal resistance of R-12 or greater. 2. First 5 feet of pipes closest to water heater tank, non-recirculating systems, insulated (R-4 or greater) 3. Back-up tanks for solar system, unfired storage tanks, or other indirect hot water tanks have R-12 external insulation or R-16 combined internal/external insulation. 4. All buried or exposed piping insulated in recirculating sections of hot water systems. 5. Cooling system piping below 55 degrees F. insulated. 6. Piping insulating between heating source and indirect hot water tank. | | |
| EnergyPro 3.1 By EnergySoft User Number: 5268 | Job Number: 1089.5 | Page:6 of 12 |

ELECTRICAL CODE REQUIREMENTS

- E-1 Provide a **grounding electrode** as per 2001 CEC, Article 250-50.
- E-2 Contact **SMUD's Customer Service Department** for service location. Phone 732-5700 or 452-3211.
- E-3 At least **one wall switch-controlled lighting outlet** shall be installed in every habitable room, in bathrooms, hallways, stairways(6-steps or more), attached garages, detached garages with electric power, and at outdoor entrances or exits. 2001 CEC, Article 210-70(a)(b)(c).
- E-4 Dwellings with direct grade level access shall have at least one **receptacle outlet at grade level at the front and back of the dwelling**. All 125 volt, 15 and 20 amp, receptacles installed outdoors with direct grade level access shall be G.F.C.I. protected. All receptacles installed outdoors in wet or damp locations shall be in a weatherproof enclosure as per 2001 CEC, Articles 210-52(e), 210-8(a)(3), and 410-57.
- E-5 At least one receptacle outlet, in addition to any provided for laundry equipment, shall be installed in **each basement, in each attached garage, and in each detached garage** with electric power. 2001 CEC, Article 210-52(g).
- E-6 **Provide G.F.C.I. protection to all 125 volt, 20 amp, receptacles installed in bathrooms, garages,** receptacles to serve counter top surfaces installed in kitchens, and receptacles to serve counter top surfaces installed within 6 feet of a wet bar sink. 2001 CEC 210-8(a)
Exception: Receptacles for dedicated appliances and receptacles that are not readily accessible.
- E-7 **Receptacle outlets shall be spaced not more than 12 feet apart** and a maximum of 6 feet from the ends of walls or openings. Receptacle outlets are also required in walls 2 feet or greater. A receptacle outlet shall be installed at each wall counter space 12 inches or wider. 2001 CEC, Article 210-52(a) & (c).
- E-8 **Provide two or more 20 amp small appliance branch circuits** evenly proportioned in the kitchen, pantry, breakfast room, dining room, or similar area. Such circuits shall have no other outlets. 2001 CEC, Article 210-52(b).
Note: One additional 20 amp branch circuit shall be provided to supply the laundry receptacle outlet(s). This circuit shall have no other outlets. 2001 CEC, Article 210-52(f).
- E-9 **Fixtures installed in recessed cavities** in walls or ceilings shall comply with Sections 410-65 through 410-72, 2001 CEC.
- E-10 **Surface mounted and recessed lighting fixtures** in clothes closets shall be installed as per 2001 CEC, Article 410-8.
- E-11 **Provide fuses or approved circuit breakers** at air conditioning units and heat pumps as per 2001 CEC, Article 440-22(c), 440-43, 410-55(c). (Do not exceed maximum fuse requirements or minimum on equipment specification plate).
- E-12 **Hydro massage bathtubs and their associated electrical components** shall be protected by a ground-fault circuit interrupter (GFI) as per 2001 CEC, Article 680-70.
- E-13 **A fixture that weighs more than 6 pounds or exceeds 16 inches** in any dimension shall not be supported by the screw shell of a lamp holder. 2001 CEC, Article 410-15(a).
- E-14 **Outlet boxes** shall not be used for sole support for ceiling fans. 2001 CEC, Article 370-27(c).
- E-15 **Hallways of 10 feet or more in length** shall have at least one receptacle outlet. CEC, Article 210-52(h).
- E-16 **Bedrooms: 15 or 20 Amp outlets** shall be protected by an "ARC FAULT" circuit interrupter. CEC 210-12 (b).
- E-17 **UFER:** Where a Ufer/Grounding source cannot be verified when an addition to a home has been permitted, the new footing must have a Ufer installed, verified prior to concrete installation. 2001 CEC 250-50 (c).
- E-18 **"Electrical Vehicle Charging Circuit":** Every new **R-3 Occupancy**, shall provide for a future electric vehicle charging circuit by providing a 3/4" raceway or a 3 wire with ground NM or NMC cable rated at a minimum 40 ampere from the service panel to a 2-gang box, located in the garage in a location acceptable to the Building Official. (Ord. No. 94-042, (1). Detached garage not required to comply.

