

B

Type

13

Docs

4

Plans

BLD03-4502-

Building Permit Number

635

Street Number

Leo Dr

Street Name

ROS

Community Code

125-561-003

APN

COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 VENTURA AVENUE, SANTA ROSA, CA 95403-2829
 (707) 565-1900 FAX (707) 565-1103

Application Fees / Invoice for Building Permit: BLD03-4502

Project Address: 635 LEO DR ROS	Status: ISSUED
Cross Street: WEST AVE	Printed: November 03, 2003
APN: 125-561-003	Initialized by: SPANTAZI
Description: 724' ADDITION OF LIVING TO EXISTING SFD	Activity Type: B-BLD 301
Res/Com: R	Insp Area: 10
Std/Quick: Q.	Site Review File #:
Fire District: ROSELAND FIRE GENERAL (S.R.)	Site Review Fees Paid: \$103.00

Owner: LANE LAURA 635 LEO DR SANTA ROSA CA 95407-7486 707 546 8091	Applicant: DOYLE COLIN 8130 FRANKEL LN SEBASTOPOL CA 707 823 5020	95472
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Valuation:

Occupancy	Type	Factor	Sq Feet	Valuation
Dwellings	DWEL-Type V - Wd Frme	106.66	724	\$77,221.84
Res Deck/Porch/Patio	Residential Deck	10.24	377	\$3,860.48
	Totals...		1,101	\$81,082.32*

Fees:

Item#	Description	Account Code	Tot Fee	Prev. Pmts	Cur. Pmts
50	S.M.I.P. RESIDENTIAL	327023-4040	8.11	8.11	.00
60	BLDG PERM PLAN CHECK FEE	025015-1341	733.82	733.82	.00
62	ADDITIONAL PLANCHECK FEE	025015-1341	89.00	.00	.00
100	SITE REVIEW/ELEV. CERT.	025015-1341	103.00	103.00	.00
120	FIRE STDS INSPECT - OES	649103-3641	384.00	384.00	.00
121	FSS PLANCHECK & REF PRMD	025015-1341	192.00	192.00	.00
122	ELECTRICAL FEE	025015-1341	48.00	48.00	.00
123	MECHANICAL FEE	025015-1341	48.00	48.00	.00
124	PLUMBING FEE	025015-1341	50.68	50.68	.00
132	BUILDING PERMIT FEE	025015-1341	1,128.96	1,128.96	.00
735	NPDES - BUILDING	025015-1341	90.32	90.32	.00
1165	ZONING PERMITS W/O D.R.	025015-3829	71.00	71.00	.00
			\$2,946.89	\$2,857.89	

Total Fees: \$2,946.89
Total Paid: \$2,857.89

Balance Due: \$89.00

Refunds are regulated by the California Building Code (CBC) which reads: "Under Section 107.6, CBC, the building official may authorize refunding of not more than 80 percent of the plan review fee paid when an application is withdrawn or canceled before any plan reviewing is done. The building official may authorize refunding of not more than 80 percent of the permit fee paid when no work has been done under the permit. There shall be no refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of fee payment."

When validated below, this is your receipt.
 This Building Permit shall EXPIRE 09/28/2006

1367A0000#11/03/03 CHARGE 89.00

COUNTY OF SONOMA - PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 565-1900 FAX (707) 565-1103

Please Print
Your Name:

Colin Doyle

Date Applied:

8-12-03

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: <u>635 LEO DRIVE</u>		City: <u>SANTA ROSA</u>	ZIP: <u>95407</u>
Cross-Street: <u>WEST AVE.</u>		APN: <u>125-561-003</u>	Project Phone #: <u>707-576-8091</u>
Directions: <u>NEAR HEARN & DUTTON</u>		Subd. Name	Project Fax # ()
Describe Project: <u>ADDITION: 2 BEDROOMS, 1 BATHROOM, DINING ROOM</u>		Living Area: <u>724 SF. ADDITION</u>	Contract Price: <u>\$60,000⁰⁰</u>
		Garage	
		Decks: <u>3774</u>	

OWNER NAME AND ADDRESS

Name: LAURA LANE
 Mailing Address: 635 LEO DRIVE
 City: SANTA ROSA State: CA ZIP: 95407
 Day Ph: (707) 576-8091 Fax: ()

APPLICANT NAME AND ADDRESS

Name: COLIN DOYLE
 Mailing Address: 8130 FRANKEL LANE
 City: SEBASTOPOL State: CA ZIP: 95412
 Day Ph: (707) 823-5020 Fax: (707) 823-5020

CONTRACTOR INFORMATION

Company Name:
 Address:
 City: State: ZIP:
 Day Ph: () Fax: ()

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Name: SEE "APPLICANT"
 Address:
 City: State: ZIP:
 Day Ph: () Fax: ()

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 worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
 I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:
 Carrier _____
 Policy No. _____
 (This section need not be completed if the permit is for one hundred dollars (\$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 worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with these provisions.
 Exp. Date: _____ Applicant: _____

CONSTRUCTION LENDING DECLARATION

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.)

Lenders Name _____
 Lenders Address _____

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 3700 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's 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 Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 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):

I, as 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 Professions Code: The Contractor's 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 or 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 or 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 Contractor's 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 Contractor's License Law).
 I am exempt under Sec. _____ of this reason _____
 Date: 8/11/03 Owner: (AGENT)

LICENSED CONTRACTOR'S 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.

Lic. Class _____ Lic. No. _____
 Exp. Date _____ Contractor _____

ASBESTOS DECLARATION

Written asbestos notification pursuant to Part 61 of Title 40 of the Code of Federal Regulations is required when asbestos exists in buildings, or portions thereof, undergoing demolition. I hereby declare that demolition authorized by this permit is from construction that does does not contain asbestos, or that no demolition is authorized by this permit.

I certify that I have read this application and affirm under penalty of perjury that the above information is correct. I agree to comply with all local Ordinances and State laws relating to building construction. I hereby authorize representatives of the County of Sonoma to enter upon the above-mentioned property for inspection purposes. If, after making the Certificate of Exemption for the Worker's Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply with the event I do not comply with the Worker's Compensation law, this permit shall be deemed revoked.

PERMITTEE SIGNATURE: (AGENT)
 ADDRESS: 8130 FRANKEL LANE, SEBASTOPOL, CA 95412
 Contractor Owner Agent for Contractor Agent for Owner

Permit # Bld03-4502 Area 10

Permit Coordinator _____

FOR DEPARTMENT USE

Zoning: R1 B6 Subd. No. 561 Fire No. SFD Acres: .18
 Existing Use/Structures: SFD
 Proposed Use/Structures: Addition to SFD
 Zoning Min. Yard Requirements: Front 45 Left 5 Right 5 Back 20
 NOTE: Fire Safe Standards require all parcels greater than 1 Acre to have a min. 30' setback unless mitigated. Mitigation Required Address subject to change
 Approval for Permit Issuance: _____ Approval for Occupancy: _____
 By: (Signature) Date: 8/12/03
 By: (Signature) Date: 8/12/03
 Conditions: _____

Sewer Connection: Available Fees Paid
 Approved by: (Signature) Date: 9/22/03

Road Encroachment: Fees Paid
 Approved by: (Signature) Date: 8/12/03

Septic System Permit/Clearance: _____
 Approved by: _____ Date: _____

Flood Zone: Yes No 100 Year Flood Elevation: _____
 Site Review _____

Code Enforcement Violation Yes No Violation # _____
 This permit is limited to _____ days.

Work Authorized:
ADDITION 2 Bedrooms (Bldg)
Diversity Room
 New Addition Alteration Repair Moving Occ/Chg

THIS PERMIT SHALL EXPIRE IN THREE(3) YEARS FROM DATE FEES ARE PAID UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT

Plans Approved: _____
 No Plans Subject to Field Inspection: _____
 Date: 9/19/03
 Permit Approved/Issued By: (Signature) Date: 9/22/03
 Post FIRM Alquist Pile Report Available
 Pre FIRM Geotechnical Report Available
 Type of Construction: W/MS Occupancy: 1 No. of Stories: 1 No. of Decks: 3
 Auto. Fire Sprinklers Req'd: _____ No. of Units: _____ No. of Seats of Occupancy: _____
 Final Date: _____ Inspector: _____
 9155A0000H09/29/03 SUBTTL 1E29.07
 Distribution: White - File Canary - Applicant Pink - Audit Copy Blue - Assessor Cardstock - Inspector

JOB ADDRESS: 635 Leo Drive
 PERMIT NUMBER: Bld03-4502
 INSPECTION AREA: 10

SCHOOL DISTRICT CERTIFICATION OF COMPLIANCE

Bldg 03 - 4502

RETURN TO: Permit and Resource Management, County of Sonoma, 2550 Ventura Avenue, Santa Rosa, CA 95403

FROM: High School District _____ Elementary District Roseland

THIS CERTIFICATION IS VOID IF NOT RETURNED TO THE BUILDING INSPECTION DEPARTMENT
WITHIN 30 DAYS AFTER THIS FORM IS SIGNED AND DATED BY THE SCHOOL DISTRICTS

To be completed by applicant for building permit(s) and verified by Permit and Resource Management, County of Sonoma.

EFFECTIVE DATE: 9/29/03 (Date Plan Check Fee Was Paid) CITY RECEIPT NO. _____

PROJECT ADDRESS 635 Leo Dr

PROPERTY OWNER'S NAME Laura Lane

If applicable: Mobilehome Park Name Ø Lot/Space No. _____

ASSESSOR'S PARCEL NO. 125-561-003

PROJECT DESCRIPTION: Include number of dwelling units. If agriculture, state specific use. Also include information regarding whether or not replacement dwelling, building used for religious purposes, private school or owned and occupied by governmental entity.
3rd Addition

Building Type: Residential Commercial/Industrial Mobilehome/Manufactured Home

Square footage breakdown per residential unit: residential area* 724

Total No. of residential units 1 Total Square Fee of Eligible Building Area*: 724

I declare under penalty of perjury under the laws of the State of California on behalf of _____ Developer/Owner

and that the information furnished above is accurate and correct to the best of my knowledge. _____ Applicant's Signature

The County of Sonoma (Permit and Resource Management) on 9/29 Year 03 has verified the square footage and use information furnished by the above developer.

County of Sonoma Signature Shirley Pinkerton

- * Residential Buildings are building occupancies for single and multiple family dwellings, apartments, condominiums, and residential hotels where the primary purpose is to provide a residence and not a service, such as health care.
- * Commercial/Industrial Area Buildings are building occupancies other than residential. Includes those buildings where the primary purpose is to provide a service, such as health care. Also includes senior citizen housing (Civil Code 51.3), residential care facility for elderly (H&S Code (5432(d)(9))), and adult only mobilehomes (Gov. Code 65995.2(a))
- * Eligible Commercial/Industrial Area is all chargeable covered and enclosed space calculated by the building department. Chargeable Covered and Enclosed Space includes all the covered and enclosed space within the perimeter of a commercial or industrial structure but does not include any storage areas incidental to the principal use the development, garage, parking structure, unenclosed walkway, or utility or disposal area.
- * Eligible Residential Area means the Assessable Space calculated by the building department which includes all the square footage within the perimeter of a residential structure, but does not include any carport, walkway, overhang, patio, detached accessory structure, or similar area.

To be completed by school districts

SCHOOL DISTRICT CERTIFICATION

School District requirements for the above project have been satisfied pursuant to (circle one):

Ed. Code 17620FEES Mitigation Agreement Not Subject to Fee Requirement

This Certification covers only the amount of square footage identified above. Any additional square footage for the project is subject to another certification of compliance.

ELEM. SCHOOL DISTRICT recpt. no. _____	HIGH SCHOOL DISTRICT recpt. no. <u>003507</u>
Square footage: _____ at \$ _____ sq.ft.	Square footage: <u>724</u> at \$ <u>2.14</u> sq.ft.
Total Fee Amount Collected: \$ _____	Total Fee Amount Collected: \$ <u>1,549.36</u>
Authorized School District Official <u>J. Benway</u> <small>signature</small>	Authorized School District Official <u>Jayene Benway</u> <small>signature</small>
Date: _____	Date: <u>9-29-03</u> <u>At Secretary</u> <small>title</small>

With regard to mobilehomes / manufactured homes, it is understood that the validity of any certificate of occupancy or Statement of Installation Acceptance issued by the City is conditioned on the concurrent payment of fees set forth above.

Applicant is hereby noticed that anyone filing a protest on the imposition of Education Code Section 17620 fees must do so within 90 days from payment of the fee.

FIRE SAFE STANDARDS FIELD EVALUATION

Address: 635 LEO ROS P.C.# 18CD 03-4502

Inspector: F. LUST. Date: 8-19-03

ADDRESS

Visible both directions of travel - - - - - Yes No
 Address in sequence - - - - - Yes No

GATES

30' setback from road - - - - - Yes No
 Opens in or increased setback - - - - - Yes No
 Locked gate - - - - - Yes No
 KNOX box present - - - - - Yes No
 At least 2 feet wider than road (12 feet) - - - - - Yes No

ROAD

(Name: _____)
 Existing prior to 1/1/92 Yes No
 Meets county road standards Yes No

Secondary Road

(Name: _____) N/A
 Existing prior to 1/1/92 Yes No
 Meets county road standards Yes No
 Number of homes presently served by this road _____; surface is dirt , gravel , asphalt

DRIVEWAY

(on this property) PROPOSED
 Existing prior to 1/1/92 - - - - - Unknown Yes No
 Existing driveway allows access to within 150' of structure - - - - - Yes No
 Driveway over 150' in length - - - - - Yes No
 Existing surface is dirt , gravel , asphalt Total driveway length 20 FT.
 Grade not over 0-5% 5-10% 10-15% Length of grade over 15% _____ FT.
 Width of driveway 20 FT.
 Bridges required - - - - - Now in place, More info needed Yes No

EMERGENCY WATER SUPPLY

Public water system hydrant within 250' (Hydrant type 4 1/2" 2 1/2" Yes No
 Water system hydrant within 800' (Hydrant type 4 1/2" 2 1/2" Yes No
 Onsite water minimum _____ gallons
 Meets Fire Safe Standards - - - - - Yes No

CLEARANCE OF FLAMMABLE VEGETATION N/A

Over one acre parcel - - - - - Yes No
 Terrain slopes 2 % within 100' of building site; up slope or down slope
 Direction of slope face: north east south west
 Vegetation type: grass brush woodland timber vineyard orchard urban
 other _____
 Mitigation likely due to: - - - - - Yes No
 Problems include: Turn-in (entry), Turn-outs, Turn-around, Excessive Grade, Bridge

Notes

F O R I N T E R N A L U S E O N L Y

JOB ADDRESS: 635 LEO ROS

File: BLP03-4502

Inspector: F. LUST

Date: 5-19-03

The proposed construction appears to be located in:

Flood Hazard:	<input type="checkbox"/> FIRM Flood Zone (ASFT) BFE = _____ ft. NGVD. Lowest finish floor at 12 above BFE = _____ ft. NGVD. <input type="checkbox"/> Design for moving water is recommended Section _____ is _____ Ft/sec Section _____ is _____ Ft/sec <input type="checkbox"/> Area subject to flooding (not on adopted FIRM). <input type="checkbox"/> Project is on flood zone major damage list. <input type="checkbox"/> Flood Prone Urban Area defined by Ordinance #4906.	<input type="checkbox"/> Portions of property in flood zone but project site not in flood zone. <input type="checkbox"/> Building is in FIRM Floodway <input type="checkbox"/> Main building on site is Post-FIRM <input type="checkbox"/> Appears to be a "substantial improvement" (40%), therefore flood regulations apply. <input type="checkbox"/> Located inside the <i>Laguna de Santa Rosa</i> below elevation of 75 ft (Ord.#4906). <input type="checkbox"/> Sensitive drainage area, review by drainage section recommended.
Geo-technical:	<input type="checkbox"/> Area of suspected slides, slumps, earth flow, or soil creep. (a.) <input type="checkbox"/> Area of previous fill placement. (g.) <input type="checkbox"/> Area of suspected expansive soil. (c.) <input type="checkbox"/> Area without sufficient slope setback as set forth in UBC Section 1805. (b.) <input type="checkbox"/> Area subject to possible liquefaction. (e.) <input type="checkbox"/> Area of suspected soft, compressible, or organic soil with low bearing capacity. Soils Report: Required <input type="checkbox"/> Available <input type="checkbox"/>	<input type="checkbox"/> Area without recommended setback from stream (SCWA recommendations). <input type="checkbox"/> Area of high moisture content in soil. (f.) <input type="checkbox"/> Area subject to high erosion (water or wind). <input type="checkbox"/> Area of soft soil due to past deep ripping or cultivation below minimum foundation depth. (h.) <input type="checkbox"/> Area within 1000 feet of a solid waste disposal site.
Geologic:	<input type="checkbox"/> Located in the Alquist-Priolo Special Studies Zone.	<input type="checkbox"/> Geologic report required (see DMG Publication 42).
General:	<input type="checkbox"/> Building addition will affect the required light and ventilation in an existing room. <input type="checkbox"/> Existing electric meter must be replaced. <input type="checkbox"/> Existing gas meter must be replaced.	<input type="checkbox"/> Indications of existing substandard conditions that are not addressed by the proposed construction. <input type="checkbox"/> Indications of past work done without a permit. <input type="checkbox"/> Grading permit required for road, driveway, or site preparation.
Wind:	Slope is <u>FLAT</u> Exposure "B" Exposure <u>C</u> Exposure "D"	<input checked="" type="checkbox"/> Site is likely to be acceptable for conventional construction methods. N.S.C. Air Pollution Control District <input type="checkbox"/> Yes <input type="checkbox"/> No

To whom It may concern
I Authorise Colin Doyle Architect
To Represent me AS my Agent
To submit Thies Documents for Building
Permits.

Laura Lane

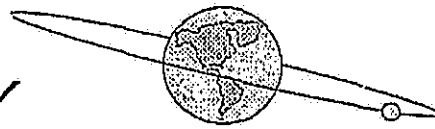
Laura Lane

THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITY INFORMATION SHOWN ON THIS PLAN. THE EXISTENCE OF FACILITIES SHOWN DOES NOT GUARANTEE ADEQUATE CAPACITY OF THE FACILITY OR AVAILABILITY OF SERVICE.

CITY OF SANTA ROSA



SAVE ENERGY CONSULTING



Title 24
Energy Compliance
Documentation

Job No. **2003-233**

10555 Chalk Hill Rd, Healdsburg, CA 95448 / (707)833-8505 / Fax:838-9083

Yazel/Lane Residence Addition/Remodel

project: **Yazel/Lane Residence Addition/Remodel**
 location: 635 Leo Drive, Santa Rosa, CA
 designer: **Colin Doyle, Architect**
 date: 8/4/2003

Method of Compliance: Performance Method on the "Existing plus Addition" (Climate Zone 2) showing that this project is in compliance with the 2001 edition of the California Residential Energy Standards when built as documented in this submittal.

Summary: The standard house in this climate zone has R-13 walls, R-30 roof/ceiling, R-19 floor and 16% glass to floor area ratio, with glass evenly distributed around the house. This report shows the compliance margin on the Addition Worksheet to be very large. Although the addition will be using metal frame glazing with no lowE; the following off-setting features help the design comply: *improvements previously made and being made to the existing house.* Note that the existing house does not have to meet the current energy code, but is used here for credits towards the addition's compliance. The specific compliance requirements are shown in the tables below.

Specific Requirements: (must also conform to all applicable Mandatory Measures on Form MF-1)

<p>EXISTING:</p> <p>IMPROVEMENTS: The removal of glass and wall area; previous upgrade most of the windows to dual pane metal frame.</p> <p>Note: Existing house (approx. yr. 1953) is modeled per the actual design (no insulation and all single glazed) and per the default values (as needed) in Table 7-6 of the Residential Energy Manual.</p> <p>NEW GLAZING: See addition below.</p>	<p>HEATING: Existing gas FAU to supply the existing plus the addition.</p> <p>AC: NA</p> <p>DUCTS: Minimum R-4.2 insulation at any new ducting.</p> <p>WATER HEATING: Existing to supply the entire house.</p>
<p>ADDITION</p> <p>INSULATION: R-30 insulation at roof/ceiling; R13 insulation at walls; R-19 insulation at floors.</p> <p>GLAZING: All new glass is double pane metal frame NFRC tested assemblies.</p> <p>Note: Glass U-values and solar heat gain coefficients (SHGC's) are per the default values given in Tables G-4 & G-8 of the Residential Energy Manual or per the NFRC tested values published by the manufacturer.</p> <p>Note: Maximum allowed glazing U-values are as follows: operable = 0.75; sliding door = 0.75.</p> <p>Maximum allowed Solar Heat Gain Coefficients (SHGC's) are as follows: operable = 0.70; sliding door = 0.70.</p>	<p>HEATING: Use existing HVAC</p> <p>AC: NA</p> <p>DUCTS: Minimum R-4.2 insulation at any new ducting.</p> <p>WATER HEATING: Existing (no requirements)</p> <p>THERMAL MASS: NA</p> <p>HOUSEWRAP: NR</p> <p>RADIANT BARRIER: NR</p>

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Project Title..... Yazel/Lane Res: Exist+Add      Date..08/04/03 15:33:23
Project Address..... 635 Leo Dr.                  *****
                                                *v6.01*
Documentation Author... Skeer                      *****
                                                Building Permit #
Job No. 2003-233      Save Energy Consulting
                                                10555 Chalk Hill Road
                                                Healdsburg, CA 95448
                                                707-838-8505
                                                Plan Check / Date
Climate Zone..... 02
                                                Field Check/ Date
Compliance Method..... MICROPAS6 v6.01 for 2001 Standards by Enercomp, Inc.
    
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MICROPAS6 v6.01 File-YAZELEA Wth-CTZ02S92 Program-FORM CF-1R
User#-MP1898 User-Save Energy Consulting Run-EXIST/ADD: 2003-233
    
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GENERAL INFORMATION

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Conditioned Floor Area..... 1719 sf
Building Type..... Single Family Detached
Construction Type ..... Existing Plus Addition
Building Front Orientation. Front Facing 168 deg (S)
Number of Dwelling Units... 1
Number of Stories..... 1
Floor Construction Type.... Raised Floor
Glazing Percentage..... 15.8 % of floor area
Average Glazing U-factor... 0.76 Btu/hr-sf-F
Average Glazing SHGC..... 0.7
Average Ceiling Height..... 8 ft
    
```

BUILDING SHELL INSULATION

Component Type	Frame Type	Cavity R-value	Sheathing R-value	Total R-value	Assembly U-factor	Location/Comments
Wall	Wood	R-0	R-n/a	R-0	0.386	@ existing Exist.@ garage
Roof	Wood	R-0	R-n/a	R-0	0.298	@ existing
Door	n/a	R-0	R-n/a	R-0	0.330	Solid Wood
Floor	Wood	R-0	R-n/a	R-0	0.097	Crawl.existing
Wall	Wood	R-13	R-0	R-13	0.085	@ addition
Wall	Wood	R-13	R-n/a	R-13	0.088	Add.@ garage
Roof	Wood	R-30	R-0	R-30	0.034	@ addition
Floor	Wood	R-19	R-n/a	R-19	0.037	Crawl.addition

FENESTRATION

Orientation	Area (sf)	U-Factor	SHGC	Exterior Shading	Overhang/Fins	Location/Comments
Wind Front (S)	14.8	0.750	0.700	Standard	None	Metal.Oper.New
Wind Front (S)	13.0	0.750	0.700	Standard	None	Metal.Oper.New
Wind Front (S)	13.0	0.750	0.700	Standard	None	Metal.Oper.New
Wind Left (W)	12.7	0.750	0.700	Standard	None	Metal.Oper.New
Wind Left (W)	6.3	1.280	0.800	Standard	None	Exist.Mtl.Oper.

Project Title..... Yazel/Lane Res: Exist+Add Date..08/04/03 15:33:23

MICROPAS6 v6.01 File-YAZELEA Wth-CTZ02S92 Program-FORM CF-1R
 User#-MP1898 User-Save Energy Consulting Run-EXIST/ADD: 2003-233

FENESTRATION

Orientation	Area (sf)	U-Factor	SHGC	Exterior Shading	Overhang/Fins	Location/Comments
Wind Left (W)	19.0	0.750	0.700	Standard	None	Metal.Oper.New
Wind Left (W)	6.0	0.750	0.700	Standard	None	Metal.Oper.New
Wind Left (W)	9.0	0.750	0.700	Standard	None	Metal.Oper.New
Wind Left (W)	9.0	0.750	0.700	Standard	None	Metal.Oper.New
Wind Back (N)	40.0	0.750	0.700	Standard	None	Metal.Sl.Dr.New
Wind Back (N)	21.0	0.750	0.700	Standard	None	Metal.Oper.New
Wind Back (N)	60.0	0.750	0.700	Standard	None	Metal.Sl.Dr.New
Wind Right (E)	9.0	0.750	0.700	Standard	None	Metal.Oper.New
Wind Right (E)	24.0	0.750	0.700	Standard	None	Metal.Oper.New
Wind Right (E)	15.0	0.750	0.700	Standard	None	Metal.Oper.New

HVAC SYSTEMS

Equipment Type	Minimum Efficiency	Refrigerant Charge and Airflow	Duct Location	Duct R-value	Tested Duct Leakage	ACCA Manual D	Thermostat Type
Furnace	0.750 AFUE	n/a	Attic	R-4.2	No	No	Setback
NoCooling	10.00 SEER	No	Attic	R-4.2	No	No	Setback

SPECIAL FEATURES AND MODELING ASSUMPTIONS

*** Items in this section should be documented on the plans, ***
 *** installed to manufacturer and CEC specifications, and ***
 *** verified during plan check and field inspection. ***

This building does not have a cooling system installed.

REMARKS

- Note: Existing house (approx. yr. 1953) is modeled per the actual design (no insulation and all single glazed) and per the default values (as needed) in Table 7-6 of the Residential Energy Manual.
- Improvements to the existing house include: the removal of glass and wall area to make way for the addition; previous upgrade most of the windows to dual pane metal frame.
- Existing space and water heating system(s) will supply the addition.

Project Title..... Yazel/Lane Res: Exist+Add Date..08/04/03 15:33:23

MICROPAS6 v6.01 File-YAZELEA Wth-CTZ02S92 Program-FORM CF-1R
User#-MP1898 User-Save Energy Consulting Run-EXIST/ADD: 2003-233

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 Modeling Assumptions section.

DESIGNER or OWNER

Name.... Colin Doyle, Architect
Company.
Address. 8130 Frankel Ln.
Sebastopol, CA 95472
Phone... (707) 823-5020
License.. C22,103

Signed.. (date)

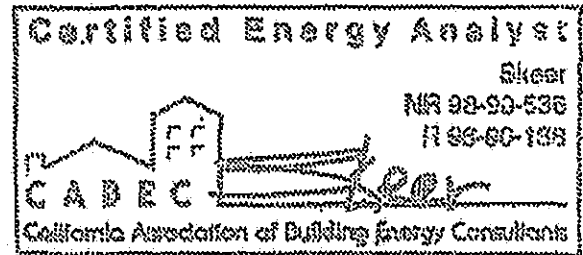
ENFORCEMENT AGENCY

Name....
Title...
Agency..
Phone...
Signed.. (date)

DOCUMENTATION AUTHOR

Name.... Skeer
Company. Save Energy Consulting
Address. 10555 Chalk Hill Road
Healdsburg, CA 95448
Phone... 707-838-8505

Signed..



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.

BUILDING ENVELOPE MEASURES

	Design- er	Enforce- ment
*150(a): Minimum R-19 ceiling insulation.	✓	_____
150(b): Loose fill insulation manufacturer's labeled R-Value.	_____	_____
*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).	✓	_____
*150(d): Minimum R-13 raised floor insulation in framed floors.	✓	_____
150(i): Slab edge insulation - water absorption rate no greater than 0.3%, water vapor transmission rate no greater than 2.0 perm/inch.	✓	_____
118: Insulation specified or installed meets CEC quality standards. Indicate type and form.	✓	_____
116-17: Fenestration Products, Exterior Doors and Infiltration/exfiltration controls		
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-value, certified solar heat gain coefficient, and infiltration certification.		
3. Exterior doors and windows weatherstripped; all joints and penetrations caulked and sealed.	✓	_____
150(g): Vapor barriers mandatory in Climate Zones 14 and 16 only.	_____	_____
150(f): Special infiltration barrier installed to comply with Sec. 151 meets Commission quality standards.	_____	_____
150(e): Installation of Fireplaces, Decorative Gas Appliances and Gas Logs		
1. Masonry and factory-built fireplaces have:		
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

	Design- er	Enforce- ment
110-113: HVAC equipment, water heaters, showerheads and faucets certified by the Commission.	✓	_____
150(h): Heating and/or cooling loads calculated in accordance with ASHRAE, SMACNA or ACCA.	✓	_____
150(i): Setback thermostat on all applicable heating and/or cooling systems.	✓	_____
150(j): Pipe and Tank insulation		
1. Storage gas water heaters rated with an Energy Factor of less than 0.58 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 systems, 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 system.
- 5. Cooling system piping below 55 degrees insulated.
- 6. Piping insulated between heating source and indirect hot water tank.

✓ _____

*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, and 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. Exhaust fan systems have backdraft or automatic dampers.
- 3. Gravity ventilating systems serving conditioned space have either automatic or readily accessible, manually operated dampers.

✓ _____

114: Pool and Spa Heating Systems and Equipment

- 1. System is certified with 78% thermal efficiency, on-off switch, weatherproof operating instructions, no electric resistance heating and no pilot light.
- 2. System is installed with:
 - a. At least 36 inches 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.

- 115: Gas-fired central furnaces, pool heaters, spa heaters or household cooking appliances have no continuously burning pilot light (Exception: Non-electrical cooking appliances with pilot < 150 Btu/hr).

✓ _____

LIGHTING MEASURES

Design- Enforce-
er ment

150(k)1: Luminaires for general lighting in kitchens shall have lamps with an efficacy of 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.

✓ _____

150(k)2: Rooms with a shower or bathtub must either have 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 alternatives to this requirement allowed in Sec. 150(k)2.; and recessed ceiling fixtures are IC (insulation cover) approved.

✓ _____