

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0114444

Insp Area: 3

Thos Bros: 318 B5

Site Address: 6536 LEMON HILL AV SAC

Sub-Type: NSFR

Parcel No: 038-0111-014
N

6538 LEMON HILL AVE IN METRO SCAN.

Housing (Y/N):

CONTRACTOR

OWNER

ARCHITECT

HO THUY
5290 MENDOCINO BLVD
SACRAMENTO CA 95820

Nature of Work: NSFR WITH DETACHED 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).

PAID
SACRAMENTO
DEC 19 2001

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

Date 12-19-01 Owner Signature *[Signature]*

NEIGHBORHOODS, PLANNING
AND DEVELOPMENT SERVICES

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 12-19-01 Applicant/Agent 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 12-19-01 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.

PLANNING AND ZONING REVIEW

..... to be filled out by Planning staff

ADDRESS: 6536 LEMON HILL RD A1/2

APN: 028-0111-017 ZONING: R-1

DESIGN REVIEW AREA: N/A

PREVIOUS FILES RELATED TO SITE: NONE

EXISTING LAND USE: VACANT

PROPOSED USE: SFR

COMMENTS: SETBACKS & LOT COVERAGES
OKAY NO PLANNING ISSUES

DATE: 11-6-01 BY: MSY

DOES IT APPEAR THAT THE PROJECT WILL REQUIRE A PLANNING APPLICATION?

YES NO (If yes, circle applications needed below)

.....Staff.....ZA.....Planning Commission.....Design Review.....Preservation Review.....

CONCLUSION: _____

DATE: 11-6-01 BY: MSY

OWNER-BUILDER VERIFICATION

ATTENTION PROPERTY OWNERS

An owner-builder building permit has been applied for in your name and bearing your signature.

Please complete and return this information in the envelope provided at your earliest opportunity to avoid unnecessary delay in processing and issuing your building permit. No building permit will be issued until this verification is received.

1. I personally plan to provide the major labor and materials for construction of the proposed Improvement (yes or no) _____

2. I (have) have not TED WALKER signed an application for A building permit for the proposed work.

3. I have contracted with the following person (firm) to provide the proposed construction:

Name TBD Address _____

City _____ Telephone _____

Contractors License No. _____

4. I plan to provide portions of the work, but I have hired the following person to coordinate, Supervise, and provide the major work.

Name _____ Address _____

City NA Telephone _____

Contractors License No. _____

5. I will provide some of the work but I have contracted (hired) the following to provide the Work indicated:

Name	Address	Phone	Type of work
------	---------	-------	--------------

<u>NA</u>			
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X Signed Ted Walker

Job Address 6536 Lemay Hall Ave

Permit No: 0114444

0114444

ENERGY ANALYSIS
FOR
6536 LEMON HILL RD.
PROJECT NO. 01045

TECHNICAL NOTES/CLARIFICATIONS

The following measures are required for compliance to the Title 24 Energy regulations:

- Owner or designer must sign page 3 of CF-1R.
- Minimum building shell insulation shall be:

Roof (ceiling).....	R-38
Walls (exterior).....	R-13
Ducts (attic).....	R-4.2
- All windows are dual glazed, vinyl framed, and Low E2 glass.
- Typical efficiencies are specified for the heating and cooling.

Heating:	Gas furnace with a minimum of 78 AFUE
Cooling:	Electric A/C with a minimum of 12.0 SEER
- Water heating shall be any CEC certified gas water heater with a maximum tank capacity for 50 gallons with a minimum Energy Factor of EF=0.58.

THANK YOU FOR LETTING CONNERLY AND ASSOCIATES BE OF SERVICE.
IF ANY QUESTIONS ARISE, PLEASE DON'T HESITATE TO GIVE US A CALL.

CITY OF SACRAMENTO
PERMIT ASSISTANCE

NOV 06 2001

RECEIVED

Project Title..... 6536 LEMON HILL RD. Date..11/02/01 10:00:59
 Project Address..... *****
 Documentation Author... KIRK CLARK *v6.01*
 Connerly and Associates Inc *****
 2215 21st St
 Sacramento, CA 95818
 (916) 456-4784

Building Permit #
Plan Check / Date
Field Check/ Date

Climate Zone..... 12
 Compliance Method..... MICROPAS6 v6.01 for 2001 Standards by Enercomp, Inc.

MICROPAS6 v6.01 File-01045 Wth-CTZ12S92 Program-FORM CF-1R
 User#-MP0130 User-Connerly and Associates I Run-10/31/01 KC

GENERAL INFORMATION

Conditioned Floor Area..... 1406 sf
 Building Type..... Single Family Detached
 Construction Type New
 Building Front Orientation. Front Facing 0 deg (N)
 Number of Dwelling Units... 1
 Number of Stories..... 1
 Floor Construction Type.... Slab On Grade
 Glazing Percentage..... 17.1 % of floor area
 Average Glazing U-factor... 0.4 Btu/hr-sf-F
 Average Glazing SHGC..... 0.35
 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-13	R-0	R-13	0.088	
Door	None	R-0	R-0	R-0	0.330	
Roof	Wood	R-38	R-0	R-38	0.029	
SlabEdge	None	R-0	R-0		F2=0.760	

FENESTRATION

Orientation	Area (sf)	U-Factor	SHGC	Interior Shading	Exterior Shading	Overhang/Fins
Window Front (N)	25.0	0.400	0.350	Standard	Standard	Yes
Window Front (N)	5.0	0.400	0.350	Standard	Standard	Yes
Window Front (N)	36.0	0.400	0.350	Standard	Standard	None
Window Left (E)	3.0	0.400	0.350	Standard	Standard	None
Window Left (E)	9.0	0.400	0.350	Standard	Standard	None
Window Back (S)	36.0	0.400	0.350	Standard	Standard	None
Window Back (S)	18.0	0.400	0.350	Standard	Standard	None
Window Back (S)	48.0	0.400	0.350	Standard	Standard	None
Window Right (W)	60.0	0.400	0.350	Standard	Standard	None

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SLAB SURFACES

Slab Type	Area (sf)
Standard Slab	1406

HVAC SYSTEMS

Equipment Type	Minimum Efficiency	Refrigerant Charge and Airflow	Duct Location	Duct R-value	Tested Duct Leakage	ACCA Manual D	Thermostat Type
Furnace	0.780 AFUE	n/a	Attic	R-4.2	No	No	Setback
ACsplit	12.00 SEER	No	Attic	R-4.2	No	No	Setback

WATER HEATING SYSTEMS

Tank Type	Heater Type	Distribution Type	Number in System	Energy Factor	Tank Size (gal)	External Insulation R-value
Storage	Gas	Standard	1	0.58	50	R- n/a

REMARKS

Project Title..... 6536 LEMON HILL RD.

Date..11/02/01 10:00:59

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User#-MP0130 User-Connerly and Associates I Run-10/31/01 KC

COMPLIANCE STATEMENT

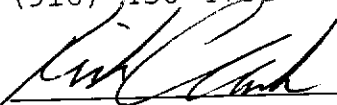
This certificate of compliance lists the building features and performance specifications needed to comply with Title-24, Parts 1 and 6 of the California Code of Regulations, and the administrative regulations to implement them. This certificate has been signed by the individual with overall design responsibility. 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

DOCUMENTATION AUTHOR

Name.... _____
Company. _____
Address. _____

Phone... _____
License. _____
Signed.. _____ (date)

Name.... KIRK CLARK
Company. Connerly and Associates Inc
Address. 2215 21st St
Sacramento, CA 95818
Phone... (916) 456-4784
Signed..  11-2-01 (date)

ENFORCEMENT AGENCY

Name.... _____
Title... _____
Agency.. _____

Phone... _____
Signed.. _____ (date)

Project Title..... 6536 LEMON HILL RD. Date..11/02/01 10:00:59
 Project Address..... *****
 Documentation Author... KIRK CLARK *v6.01*
 Connerly and Associates Inc *****
 2215 21st St
 Sacramento, CA 95818
 (916) 456-4784

Building Permit #
Plan Check / Date
Field Check/ Date

Climate Zone..... 12
 Compliance Method..... MICROPAS6 v6.01 for 2001 Standards by Enercomp, Inc.

MICROPAS6 v6.01 File-01045 Wth-CTZ12S92 Program-FORM C-2R
 User#-MP0130 User-Connerly and Associates I Run-10/31/01 KC

Energy Use (kBtu/sf-yr)	Standard Design	Proposed Design	Compliance Margin
Space Heating.....	20.92	21.13	-0.21
Space Cooling.....	5.79	7.23	-1.44
Water Heating.....	16.49	14.79	1.70
Total	43.20	43.15	0.05

*** Building complies with Computer Performance ***

GENERAL INFORMATION

Conditioned Floor Area..... 1406 sf
 Building Type..... Single Family Detached
 Construction Type New
 Building Front Orientation. Front Facing 0 deg (N)
 Number of Dwelling Units... 1
 Number of Building Stories. 1
 Weather Data Type..... ReducedYear
 Floor Construction Type.... Slab On Grade
 Number of Building Zones... 1
 Conditioned Volume..... 11248 cf
 Slab-On-Grade Area..... 1406 sf
 Glazing Percentage..... 17.1 % of floor area
 Average Glazing U-factor... 0.4 Btu/hr-sf-F
 Average Glazing SHGC..... 0.35
 Average Ceiling Height..... 8 ft

BUILDING ZONE INFORMATION

Zone Type	Floor Area (sf)	Volume (cf)	# of Dwell Units	Cond- itioned	Thermostat Type	Vent Height (ft)	Vent Area (sf)	Air Leakage Credit
HOUSE Residence	1406	11248	1.00	Yes	Setback	2.0	Standard	No

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MICROPAS6 v6.01 File-01045 Wth-CTZ12S92 Program-FORM C-2R
 User#-MP0130 User-Connerly and Associates I Run-10/31/01 KC

SLAB SURFACES

Slab Type	Area (sf)
HOUSE	
Standard Slab	1406

HVAC SYSTEMS

System Type	Minimum Efficiency	Refrigerant Charge and Airflow	Duct Location	Duct R-value	Tested Duct Leakage	ACCA Manual D	Duct Eff
HOUSE							
Furnace	0.780 AFUE	n/a	Attic	R-4.2	No	No	0.743
ACSplit	12.00 SEER	No	Attic	R-4.2	No	No	0.674

WATER HEATING SYSTEMS

Tank Type	Heater Type	Distribution Type	Number in System	Energy Factor	Tank Size (gal)	External Insulation R-value
1 Storage	Gas	Standard	1	0.58	50	R- n/a

REMARKS

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MICROPAS6 v6.01 File-01045 Wth-CTZ12S92 Program-HVAC SIZING
 User#-MP0130 User-Connerly and Associates I Run-10/31/01 KC

GENERAL INFORMATION

Floor Area..... 1406 sf
 Volume..... 11248 cf
 Front Orientation..... Front Facing 0 deg (N)
 Sizing Location..... SACRAMENTO AP
 Latitude..... 38.5 degrees
 Winter Outside Design..... 31 F
 Winter Inside Design..... 70 F
 Summer Outside Design..... 100 F
 Summer Inside Design..... 78 F
 Summer Range..... 35 F
 Interior Shading Used..... No
 Exterior Shading Used..... No
 Overhang Shading Used..... No
 Latent Load Fraction..... 0.20

HEATING AND COOLING LOAD SUMMARY

Description	Heating (Btuh)	Cooling (Btuh)
Opaque Conduction and Solar.....	11272	3976
Glazing Conduction.....	3744	2112
Glazing Solar.....	n/a	3969
Infiltration.....	6167	2062
Internal Gain.....	n/a	2100
Ducts.....	2118	1422
Sensible Load.....	23301	15642
Latent Load.....	n/a	3128
Minimum Total Load	23301	18771

Note: The loads shown are only one of the criteria affecting the selection of HVAC equipment. Other relevant design factors such as air flow requirements, outside air, outdoor design temperatures, coil sizing, availability of equipment, oversizing safety margin, etc., must also be considered. It is the HVAC designer's responsibility to consider all factors when selecting the HVAC equipment.

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.

Instructions: Check or initial applicable boxes when completed or enter N/A if not applicable.

DESCRIPTION	DESIGNER	ENFORCEMENT
Building Envelope Measures:		
* §150(a): Minimum R-19 ceiling insulation.	R-38	
§150(b): Loose fill insulation manufacturer's labeled R-Value.	N/A	
* §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).	R-13	
* §150(d): Minimum R-13 raised floor insulation in framed floors.	R-N/A	
§150(f): Slab edge insulation - water absorption rate no greater than 0.3%, water vapor transmission rate no greater than 2.0 perm/inch.	N/A	
§118: Insulation specified or installed meets insulation 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 (SHGC), 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.	N/A	
§150(f): Special infiltration barrier installed to comply with § 151 meets Commission quality standards.	N/A	
§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 pilot lights allowed.	✓	
Space Conditioning, Water Heating and Plumbing System Measures:		
§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 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 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° F insulated.		
6. Piping insulated between heating source and indirect hot water tank.	✓	
Space Conditioning, Water Heating and Plumbing System Measures: (continued)		
* §150(m): Ducts and Fans		
1. All ducts and plenums constructed, installed, insulated, fastened, and sealed to comply with the ICBO 1997 UMC sections 601 and 603; ducts insulated to a minimum installed R-4.2 or ducts enclosed entirely within 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 and other applicable specified tests for longevity given in §150(m).		
2. Exhaust fan systems have back draft or automatic dampers.		
3. Gravity ventilating systems serving conditioned space have either automatic or readily accessible, manually operated dampers.	R-4.2	
§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" 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.	N/A	
§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:		
§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 §150(k)2.; and recessed ceiling fixtures are IC (insulation cover) approved.	✓	