

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 9907279
Insp Area: 2

Site Address: 8587 CULPEPPER DR SAC
Parcel No: 117-1070-009

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

CONTRACTOR

OWNER

ARCHITECT

ANDREA L HENRY/ROGER A BROWN
8587 CULPEPPER DR
SACRAMENTO CA 95823

Nature of Work: CONVERTING BASEMENT INTO LIVING SPACE.

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

Lender's Name _____ Lender's Address _____

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

License Class _____ License Number _____ Date _____ Contractor Signature _____

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

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

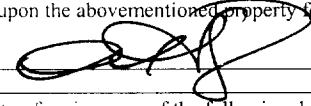
I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s)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

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

Date 7-8-99 Owner Signature 

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 7-8-99 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 7-8-99 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.

OWNER-BUILDER VERIFICATION

ATTENTION PROPERTY OWNER

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) _____ 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 _____ 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 _____ 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
N/A			

Signed _____
Job Address 8587 CULPEPPER DR Date 7-8-79
Permit No.: _____

CITY OF SACRAMENTO
DEPARTMENT OF NEIGHBORHOODS, PLANNING AND DEVELOPMENT SERVICES
BUILDING INSPECTIONS DIVISIONS
RESIDENTIAL PLAN CHECK

PLAN CHECK.#: 9907279R

JOB ADDRESS: 3587 Culpeper Dr DATE: 7/8/99

These sheets, when attached to a set of plans, become a part of those plans and must remain attached thereto. The items listed below, when circled, must be complied with as well as items noted on plans. The approval of this plan and specification shall not be held to permit or approve the violation of any city ordinance or State law.

I. BUILDING CODE REQUIREMENTS

1. Place 4" of well graded crushed rock under dwelling slab floors (3/8" minimum to 1 1/2 inch maximum).
2. Expansive soils (special foundation requirements). See note on plan. See attached soils report on plan.
3. When required, all bolts, all hold downs and other foundation hardware shall be installed at foundation inspection.
4. All bearing walls supporting a second floor must rest on a continuous footing.
5. Provide 1 square foot of screened opening (1/4" mesh) per 150 sq. ft. of underfloor area.
6. Provide 18" by 24" access to underfloor area. Accessible underfloor clearance shall not be obstructed by pipes, ducts or other construction.
7. Foundation cripple walls must be braced as per bracing requirements of UBC.
8. Stud size, length, and spacing shall conform to UBC.
9. Provide post base and post cap connections.
10. Provide weep screed foundation plate line on all exterior stucco walls.
11. Plywood roof sheathing at overhangs or soffits must be of exterior type.
12. Roof overhang, including gutter, cannot project more than 24" into side yard.
13. Property line walls for zero clearance to be one hour construction.
14. Install materials for one hour construction on garage side of common wall and/or ceiling with dwelling with dwelling. Protect all supportive beams and posts.
15. Door between R-3 (dwelling) and U-1 (garage) to be 1 3/8" solid core, self closing and tight fitting.
16. Stairways shall meet minimum requirements as follows: Maximum rise 8", run (tread) 9", handrail 34" to 38" above nosing, minimum stair width 36" and minimum headroom 6' and 8".
17. Usable storage space under stairways shall be of one hour construction.
18. One operable window in each sleeping room must have a minimum net clear opening width of 20", a minimum net clear height of 24" and a minimum net clear of 5.7 sq. Ft. in that opening. Window sill height shall not exceed 44" above the finished floor.
19. Ventilation for bathrooms, laundry rooms and laundry areas to have 1/20th of floor area in operable window area with a minimum size to 1 1/2 sq. ft. or provide a fan vented to the exterior. Fan to be on a separate switch.
20. Provide attic ventilation. Concealed space between rafter and ceiling joist shall be ventilated unless solidly insulated.
21. Provide truss calculations and layout drawing.
22. Provide an approved 120 volt smoke detector above stairways and at access to bedrooms, on each floor, and in vaulted areas, and in each bedroom.
23. Masonry chimneys shall be fastened at the plate line to the structural framework of the building with 2 1/2" bolts per strap.
24. Chimneys shall terminate with a 14 gauge 3/4" mesh or 12 gauge 1" mesh galvanized spark arrestor 2" above the flue liner.

II. ELECTRICAL CODE REQUIREMENTS

25. Electrical meters shall have a minimum of 30" wide and 36" deep clear working space in front of equipment. Install UFER ground per NEC requirements. VERIFY THE SERVICE LOCATION WITH SMUD.
26. Service equipment and panel boards shall not be located in closets, lavatories, or under stairways.
27. Electrical receptacles in habitable rooms shall be placed a maximum 12' apart, 6' maximum from any door opening and any wall space wider than 2'. In kitchen and dining area, any counter wider than 12" separated by ranges, ovens, sink, refrigerator etc., shall be provided with a receptacle.
28. Provide two evenly balanced 20 amp small appliance branch circuits for the receptacles in kitchen, pantry, dining and breakfast areas.
29. Provide one 20 amp circuit for dishwasher and disposal.
30. Provide at least one outside weatherproof, 120 volt G.F.C.I. protected receptacle.
31. Provide G.F.C.I. protection to all 120 volt, 15 & 20 amp receptacles installed outdoors, in bathrooms, in garages, in basements, and within 6' horizontally of a kitchen sink.
32. Provide G.F.C.I. protection to hydromassage tubs.
33. Recessed lighting fixtures installed in insulated ceilings must be I.C. rated and thermally protected. Single wall fixtures required to be boxed in.
34. Surface mounted lighting fixtures in closets must be a minimum of 12" from storage areas. Flush mounted fixtures must be a minimum of 6" away.

III. PLUMBING/MECHANICAL CODE REQUIREMENTS

35. All heating and cooling units creating a glow or flame installed in a garage must be raised on a stand so the glow or flame is minimum of 18" above the floor. Provide a protective barrier, 3" or larger steel pipe 30" high, concrete filled for hot water heater units and heating units in garage in line with car storage.
36. Water heaters having non-rigid water connections and over 4' in height shall be anchored or strapped.
37. Access doors to enclosed water heaters shall be a minimum of 24" wide.
38. No mechanical equipment shall be located in the side yard setback area which will not meet the minimum noise ordinance requirements (55 dcb 1' inside adjacent properties at 3' to 5' above ground).
39. Furnace and water heater installations must comply with UMC and UPC requirements.
40. Fireplace gas valves must be located outside of the required hearth area but not more than 48".
41. All hose bibs must have an approved anti-siphon device.
42. Dryer vent 14' total length.
43. Provide 2 X 6 minimum wall construction where 3" ABS pipe is installed. Comply with requirements of UBC for notching requirements.

Note: Electrical, plumbing and mechanical work is not thoroughly checked on plan check review and will be subject to field inspection.

REV: February 1998

PERSONAL SAFETY BUILDING CODE

October 21, 1984

MEMORANDUM

SUBJECT: Personal Safety Building Code

As of the date of this memo, all new dwellings, half-plexes, and duplexes must comply with the personal safety building code, to wit:

1. All building numbers and street addresses shall be clearly visible from all public or private access streets. The streets and building numbers shall be no less than four inches in height and of a contrasting color to their background.
2. All entry doors shall be of the solid core type and be equipped with a single cylinder deadbolt lock meeting the following minimum standards:
 - a) The bolt shall have a throw of at least one inch and be constructed so as to repel cutting tool attack.
 - b) The cylinder of the deadbolt shall be equipped with a guard designed to repel attack by prying or wrenching.
 - c) The deadbolt shall be of the pin tumbler type with a minimum of five pins for a maximum of two entry doors only. Additional entry doors may be fitted with keyless deadbolts.
 - d) Double cylinder deadbolt locks may be used only in accordance with the Uniform Fire Code.
3. Each exterior door hinge shall be secured with a minimum of two (2) number eight screws which must penetrate at least two (2) inches into solid backing beyond the frame to which the hinge is attached.
4. The strike plates designed to receive the deadbolt locks shall be constructed of a minimum 16 U.A. gauge steel, bronze or brass and shall be secured to a wood jamb with not less than two (2) number eight screws which must penetrate at least two (2) inches into solid backing beyond the surface to which the strike is attached. Strike plates attached to metal jams shall be secured with a minimum of four (4) number eight machine screws.
5. Sliding door and window assemblies shall be so designed that the door or window cannot be lifted from the track when the door or window is in the closed position.
6. Sliding door assemblies shall have an auxiliary locking device permanently mounted on the interior and which is not accessible from the exterior.
7. All primary egress doors shall be so equipped as to provide the occupant with a clear view of that area immediately outside the door. This view may be provided by a one-way door viewer designed to provide a 180° field of view. Such viewer shall not be mounted in excess of 54 inches from the interior floor.

An additional requirement of this ordinance is that all above items are retroactive for all non-owner occupied living units (dwellings, half-plexes, duplexes, etc.) and must comply by June 1, 1985.

Ord. #84-056, Eff. 10-21-84

Add to Chap. 9, Art. XXIII

Project Title: HENRY - BROWN RESIDENT

Project Address: 8589 CULPEPPER DR

Documentation Author: ANDREA L. HENRY Telephone: 916-424-4990

Compliance Method (Package, Point System or Computer): _____ Climate Zone: _____

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

GENERAL INFORMATION

Total Conditioned Floor Area: 446 ft²

Building Type: _____ Single Family _____ Addition
 (check one or more) _____ Multi-Family _____ Existing-Plus-Addition

Front Orientation: _____ North / East / South / West / All Orientations
 (Input orientation in degrees and circle one.)

Number of Dwelling Units: _____

Floor Construction Type: _____ Slab / Raised Floor (circle one or both)

BUILDING SHELL INSULATION

Component Type	Insulation R-Value	Construction Assembly U-Value	Location/Comments (attic, to garage, typical, etc.)
Wall.....	<u>13</u>	_____	_____
Wall.....	_____	_____	_____
Roof.....	<u>30</u>	_____	_____
Roof.....	_____	_____	_____
Floor.....	_____	_____	_____
Floor.....	_____	_____	_____
Slab Edge	_____	_____	_____

FENESTRATION

Fenestration Orientation	Area (sf)	Fenestration U-Value	Shading Devices		Overhang (yes/no)	Framing Type (metal/wood/vinyl)
			Interior (roller blind, etc.)	Exterior (shadescreen, etc.)		
Front..... ()	_____	_____	_____	_____	_____	_____
Front..... ()	_____	_____	_____	_____	_____	_____
Left..... ()	<u>716</u>	<u>90 OK</u>	_____	_____	_____	_____
Left..... ()	_____	_____	_____	_____	_____	_____
Rear..... ()	_____	_____	_____	_____	_____	_____
Rear..... ()	_____	_____	_____	_____	_____	_____
Right..... ()	_____	_____	_____	_____	_____	_____
Right..... ()	_____	_____	_____	_____	_____	_____
Skylight.....	_____	_____	_____	_____	_____	_____
Skylight.....	_____	_____	_____	_____	_____	_____

THERMAL MASS

Type/Covering (slab/exposed, tile, etc.)	Area (sf)	Thickness (inches)	Location/Description (kitchen, bath, etc.)
_____	<u>N/A</u>	<u>A</u>	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Project Title _____

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	Heat Pump Configuration (split or package)
_____	_____	_____	4.2	_____	_____

Cooling Equipment Type (air conditioner, heat pump, evap. cooling)	Minimum Efficiency (SEER)	Duct Location (attic/etc.)	Duct R-Value	Thermostat Type	Configuration (split or package)
_____	_____	N/A	_____	_____	_____

WATER HEATING SYSTEMS

Water Heater Type	Distribution Type	Number in System	Rated ¹ Input (kW or Btu/hr)	Tank Capacity (gallons)	Energy ¹ Factor or Recovery Efficiency	Standby ¹ Loss (%)	External Tank Insulation R-Value
_____	_____	_____	_____	_____	_____	_____	_____

1. For small gas storage (rated input ≤ 75,000 Btu/hr), electric resistance and heat pump water heaters, list Energy Factor. For large gas storage water heaters (rated input ≥ 75,000 Btu/hr), list Rated Input, Recovery Efficiency and Standby Loss. For instantaneous gas water heaters, list Rated Input and Recovery Efficiency.

SPECIAL FEATURES/REMARKS (Add extra sheets if necessary)

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)

Documentation Author

Name: ANDREA HENRY
 Title/Firm: _____
 Address: 8587 WILPEPPER DR
SAC CA 924-4990
 Telephone: _____
 Lic. #: _____

 (signature) (date)

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

 (signature) (date)

Enforcement Agency

Name: _____
 Title: _____
 Agency: _____
 Telephone: _____

 (signature/stamp) (date)

Project Title _____

Date _____

BUILDING DATA

Conditioned Floor Area _____ Number of Stories _____
 Slab/Raised Floor _____

Check all applicable Unit Type condition(s):

- | | |
|---|---|
| <input type="checkbox"/> Single Family Detached (SFD) | <input type="checkbox"/> Addition Alone |
| <input type="checkbox"/> Single Family Attached (SFA) | <input type="checkbox"/> Existing Building |
| <input type="checkbox"/> Multi-Family (MF) | <input type="checkbox"/> Existing-Plus-Addition |

	Fenestration	
	Area	%
North	_____	_____
East	_____	_____
South	_____	_____
West	_____	_____
Skylight	_____	_____
Total	_____	_____

SCORE CARD

Measures

Point Scores

1. Ceiling Insulation	_____ or _____ R-value U-value	_____
2. Wall Insulation	_____ or _____ R-value U-value	_____
3. Raised Floor Insulation	_____ or _____ R-value U-value	_____
4. Slab Edge Insulation	_____ or _____ R-value F2 factor	_____
5. Infiltration	Any Ducts in Unconditioned Space? (Y/N)	_____
6. Fenestration Heat Loss	_____ Type _____ U-value _____ Total % Fenestration _____	_____ Sum 1-6
7. Fenestration Heat Gain	% Fenestration SC Shade Open Eff. % Fenes. Shade Eff. Ratio	
North	_____ x _____ = _____	_____
East	_____ x _____ = _____	_____
South	_____ x _____ = _____	_____
West	_____ x _____ = _____	_____
Skylight	_____ x _____ = _____	_____
Overhangs? (Y/N)		_____
8. Interior Thermal Mass	_____ or _____ % Exposed Slab Int. Mass/CFA	_____
9. Exterior Wall Mass	_____ Ext. Wall Mass	_____ Sum 7-9
10. Heating System	_____ x _____ = _____ AFUE or HSPF Duct Efficiency Effective AFUE or HSPF	_____ Zonal Control Adjustment
11. Cooling System	_____ x _____ = _____ SEER Duct Efficiency Effective SEER	_____ Zonal Control Adjustment
12. Water Heating		
System 1	_____ Heater Type _____ Energy Factor _____ Ext. Ins. R-value _____ Auxiliary Input _____ Distribution _____	
System 2	_____ Heater Type _____ Energy Factor _____ Ext. Ins. R-value _____ Auxiliary Input _____ Distribution _____	

Point Total: _____

Point Goal: _____

Mandatory Measures Checklist: Residential

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 binding minimum component performance specifications for the mandatory measures whether they are shown elsewhere in the documents or on this checklist only.

DESCRIPTION	DESIGNER	ENFORCEMENT
Building Envelope Measures		
* §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 framed walls (does not apply to exterior mass walls).		
* §150(d): Minimum R-13 raised floor insulation in framed floors; minimum R-8 in concrete raised floors.		
§150(l): 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 California Energy Commission quality standards. Indicate type and form.		
§116-17: Fenestration Products, Exterior Doors and Infiltration/Exfiltration Controls		
a. Doors and windows between conditioned and unconditioned spaces designed to limit air leakage.		
b. Manufactured fenestration products have label with certified U-value, and infiltration certification.		
c. 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 §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		
§110 -13: HVAC equipment, water heaters, showerheads and faucets certified by the Commission.		
§150(i): Setback thermostat on all applicable heating systems.		
§150(j): Pipe and Tank Insulation		
1. Indirect hot water tanks (e.g., unfired storage tanks or backup solar hot water tanks) have insulation blanket (R-12 or greater) or combined interior/exterior insulation (R-16 or greater).		
2. First 5 feet of pipes closest to water heater tank, non-recirculating systems, insulated (R-4 or greater).		
3. All buried or exposed piping insulated in recirculating sections of hot water system.		
4. Cooling system piping below 55°F insulated.		
5. Piping insulated between heating source and indirect hot water tank.		
* §150(m): Ducts and Fans		
1. Ducts constructed, installed and sealed to comply with UMC Sections 1002 and 1004; ducts insulated to a minimum installed value of R-4.2 or ducts enclosed entirely within conditioned space.		
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" pipe between filter and heater for future solar heating.		
b. Cover for outdoor pools or outdoor spa.		
3. Pool system has directional inlets and a circulation pump time switch.		
§115: Gas-fired central furnace, pool heater, spa heater or household cooking appliance have no continuously burning pilot light. (Exception: Non-electrical cooking appliance with pilot < 150 Btu/hr.)		
Lighting Measures		
§150(k): 40 lumens/watt or greater for general lighting in kitchens and rooms with water closets; and recessed ceiling fixtures IC (insulation cover) approved.		

INSTALLATION CERTIFICATE

CF-6R

Use of this form to satisfy the requirements of the Administrative Code is optional, but the information must be provided and posted.

Site Address

Permit Number

An installation certificate is required to be posted at the building site prior to the issuance of the occupancy permit; this form may be used to meet these requirements. All appliance categories listed below are the actual equipment installed. Note that the efficiency and type of the appliance installed must be equivalent or better than the appliance specified on the certificate of compliance (Form CF-1R). This certificate (or its equivalent) shall be prepared and signed by the person(s) assuming overall responsibility for the appliance installation. Refer to the reverse side of this certificate for an explanation of information required.

I, the undersigned, verify that the equipment listed in the category above my signature is the actual equipment installed and that the equipment meets or exceeds the requirements of the Appliance Efficiency Standards. In addition, I have verified that the equipment is equivalent to or more efficient than the equipment specified on the Certificate of Compliance submitted to demonstrate compliance with the Energy Efficiency Standards for residential buildings.

HVAC SYSTEMS:

Heating Equipment

Heating Equip. Type (Packaged heat pump, etc)	CEC Certified Manuf. Make & Model Number	Actual Efficiency (AFUE, etc.)	Distribution Type and Location	Duct or Piping R-Value	Heating Load Before Over-Sizing (Btuh)	Heating Equipment Capacity (Btuh)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

Cooling Equipment

Cooling Equipment Type (Packaged heat pump, etc)	CEC Certified Compressor Unit Manuf. Make & Model Number	Actual Efficiency (SEER)	Duct Location	Duct R-value
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Signature, Date

HVAC Subcontractor (Co. Name)
OR General Contractor OR Owner

WATER HEATING SYSTEMS

Distrib. System Type	Water Heater Type/#	CEC Certified Manuf. Make & Model #	Energy Factor/ Effic.	Tank Volume (gallons)	Insul Wrap R-value	Internal Insul. R-value	Standby Loss (%)	Pilot Light (Btuh)	Rated Input kW/Btu	Solar/ Wood Credits
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

FAUCETS & SHOWER HEADS:

All faucets and showerheads installed are listed in the Commissions Directory Of Certified Faucets And Showerheads, pursuant to Title-24, Part 6, Subchapter 2, Section 111.

Signature, Date

Plumbing Subcontractor (Co. Name)
OR General Contractor OR Owner

Insulation Certificate

Number and Street _____ City _____

County _____ Subdivision _____ Lot Number _____

Description of Installation

ROOF

Material _____ Brand Name _____
Thickness (inches) _____ Thermal Resistance (R-Value) _____

CEILING

Batt or Blanket Type _____ Brand Name _____
Thickness (inches) _____ Thermal Resistance (R-Value) _____
Loose Fill Type _____ Brand Name _____
Contractor's minimum installed weight/ft² _____ lb Minimum thickness _____ inches
Manufacturer's installed weight per square foot to achieve Thermal Resistance (R-Value) _____

EXTERIOR WALL

Material _____ Brand Name _____
Thickness (inches) _____ Thermal Resistance (R-Value) _____

RAISED FLOOR

Material _____ Brand Name _____
Thickness (inches) _____ Thermal Resistance (R-Value) _____

SLAB FLOOR

Material _____ Brand Name _____
Thickness (inches) _____ Thermal Resistance (R-Value) _____
Width (inches) _____

FOUNDATION WALL

Material _____ Brand Name _____
Thickness (inches) _____ Thermal Resistance (R-Value) _____

Declaration

I hereby certify that the above insulation was installed in the building at the above location in conformance with the current Building Energy Efficiency Standards for new residential buildings contained in Title 24 of the California Administrative Code.

_____	_____
General Contractor (Builder)	License Number
_____	_____
Signature and Title	Date
_____	_____
Sub-Contractor (Insulation Installer)	License Number
_____	_____
Signature and Title	Date