

**CITY OF SACRAMENTO**

1231 I Street, Sacramento, CA 95814

Permit No: 0517527

Insp Area: 3

Thos Bros: 317D4

Site Address: 2231 HOOKE WY SAC

Parcel No: 018-0211-038

Sub-Type: ASFR

Housing (Y/N): N

CONTRACTOR

OWNER

MARQUEZ ADRIANA M  
2231 HOOKE WY  
SACRAMENTO, CA 95822

ARCHITECT

Nature of Work: ADDITION TO SFR 835 SF

**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 11/16/05 Owner Signature *Adriana Marquez*

**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 above mentioned property for inspection purposes.

Date 11/16/05 Applicant/Agent Signature *Adriana Marquez*

**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 11/16/05 Applicant Signature *Adriana Marquez*

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

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



**CITY OF SACRAMENTO**  
**PLANNING & BUILDING DEPARTMENT**  
**BUILDING DIVISION**

[www.cityofsacramento.org](http://www.cityofsacramento.org)

Help Line: 1-916-264-5656 OR 1-866-EZ-PERMIT  
 Inspection: 1-916-808-4677



Downtown Permit Center 1-916-264-6807  
 1231 I Street, Suite 200, Sacramento, CA 95814

North Permit Center 1-916-808-2354  
 2101 Arena Blvd., Suite 200, Sacramento, CA 95834

**PRELIMINARY RESIDENTIAL APPLICATION**

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

2231 Hooke Way		3
BUILDING SITE ADDRESS	SUITE	INSP. AREA
018-0211-038-000		0517527
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			
Adriana Marquez	2231 Hooke Way	95822	916-452-2843
ARCHITECT/ENGINEER			

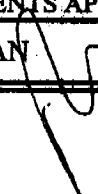
No. of Stories	No. of Rooms	Roof Covering	Area 1 <sup>st</sup> Floor	Total Area	Garage Area	Patio Area
1						

THIS PERMIT IS FOR:  
 BUILDING     MECHANICAL     PLUMBING     ELECTRICAL     SITE     FIRE

NATURE OF WORK IN DETAIL

\$ 50,383.90  
 VALUATION

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

ADDRESS: 2231 HOOKE WAY	APN: 018-0211-038
DRPB AREA / PUD / SFD: NA	ZONING: R-1-EA-4
EXISTING LAND USE: ONE STORY SFR WITH DETACHED GARAGE	
PROPOSED USE: ADDITION IN REAR: MASTER SUITE AND EXPAND KITCHEN, GREAT ROOM	
<b>PLANNING STAFF WILL CHECK ONE OR MORE OF THE ITEMS BELOW:</b>	
<input type="checkbox"/>	Planning review is NOT required.
<input type="checkbox"/>	Use is NOT allowed; applicant CANNOT submit for plan check.
<input type="checkbox"/>	Requires APPLICATION(s): PC      ZA      IR      ER      DR      PB Required Planning application must be approved <i>before</i> project can be submitted for plan check
<input type="checkbox"/>	Application(s) IN PROGRESS: File Number: Application must be approved <i>before</i> project can be submitted for plan check.
<input type="checkbox"/>	Application(s) COMPLETED: File Number & approval date: Building permit must conform to approved plans and comply with all conditions of approval. Do NOT accept applications for a 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 <i>prior to issuance</i> of building permit.
<input checked="" type="checkbox"/>	Meets setback & lot coverage requirements as shown on site plan provided.
<input checked="" type="checkbox"/>	Plans to be submitted have been stamped/signed by Planning counter staff.
<input type="checkbox"/>	Route to SITE for plan check and inspection.
<input type="checkbox"/>	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 10890 SQ FT PER METROSCAN. APPROX. FOOTPRINT 41 X 51 = 2091 + 280 2371 = 22 %. MIN. 4' TO DETACHED GARAGE. REAR AND SIDE YARD SETBACKS OKAY. NOT IN DESIGN REVIEW. NO PLANNING ENTITLEMENTS APPARENT.
DATE: 09-21-2005	BY: PMORGAN 



CITY OF SACRAMENTO

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 Sacramento, CA 95814

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 2101 Arena Blvd., Suite 200  
 Sacramento, CA 95834

**SITE DRAINAGE AND ENCROACHMENT QUESTIONNAIRE**

PARCEL # \_\_\_\_\_ PERMIT # 0517527  
 SITE ADDRESS 2231 Hoake Way ACREAGE \_\_\_\_\_

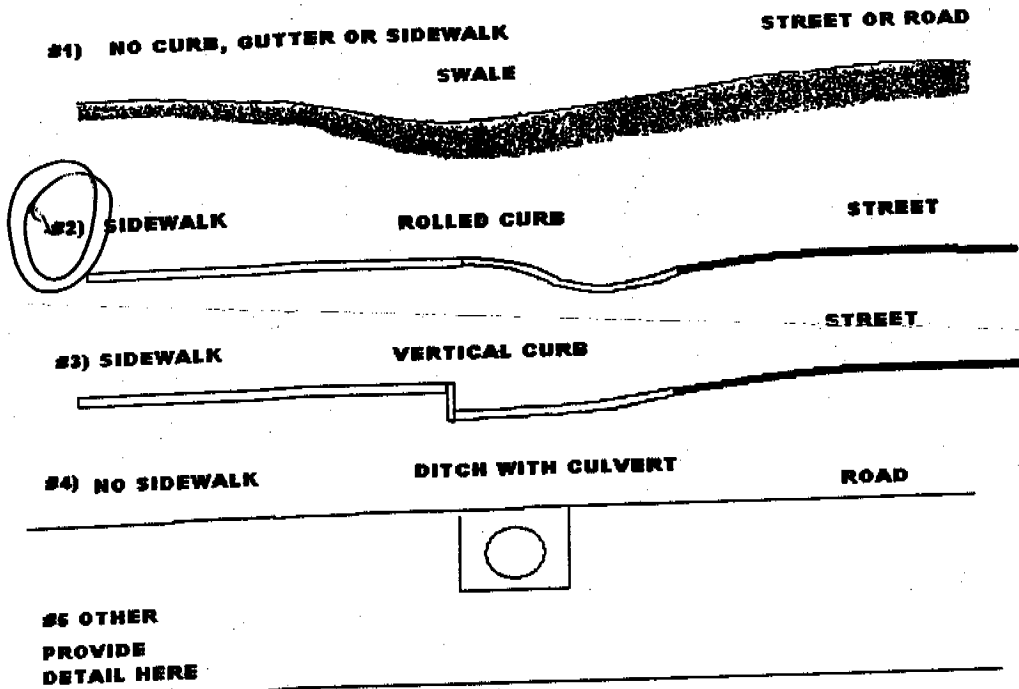
The City of Sacramento requires a building site to be graded to drain correctly and site drainage routed to an approved location. To help us understand the site drainage for your project and determine if a driveway permit or an encroachment permit is required please answer the following questions. All 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 checked="" 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 checked="" 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"/> <del>Y</del> | <input checked="" 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"/> <del>Y</del> | <input checked="" type="radio"/> N                                      |
| 16. Does the drainage swale drain to an adjacent parcel?                           | <input checked="" type="radio"/> *Y           | <input checked="" 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 <input checked="" type="radio"/> N/A |
| 20. Did this project require approval from the Zoning Administrator?               | <input checked="" type="radio"/> *Y           | <input checked="" type="radio"/> N                                      |
| 21. Did the project require approval from the Planning Administrator?              | <input checked="" type="radio"/> *Y           | <input checked="" type="radio"/> N                                      |

# SITE DRAINAGE AND ENCROACHMENT QUESTIONNAIRE

- |   |    |                              |
|---|----|------------------------------|
| 22. Is there any tree, telephone pole, guy wire or similar obstruction located at the front of the property adjacent to the street or road? | *Y | <input type="radio"/> N      |
| 23. Is this a corner lot?   | *Y | <input type="radio"/> N      |
| 24. Is the posted speed limit on this street greater than 25 MPH?   | *Y | <input type="radio"/> N      |
| 25. Is this parcel located on a four-lane street?   | *Y | <input type="radio"/> N      |
| 26. If site is greater than 1/2 acre has an erosion and sediment control plan been submitted?   | Y  | *N <input type="radio"/> N/A |
| 27. If site disturbs 1 acre or more has a copy of the State General Permit NOI and SWPPP been submitted?                                    | Y  | *N <input type="radio"/> N/A |
| 28. If site is part of a larger subdivision greater than 1 acre has a copy of the State General Permit NOI and SWPPP been submitted?        | Y  | *N <input type="radio"/> N/A |

**CIRCLE THE DRAWING NUMBER BELOW THAT BEST ILLUSTRATES THE EXISTING CONDITION AT THE LOCATION OF THE PROPOSED DRIVEWAY OR SITE ACCESS.**



The information provided on this document is accurate. I understand that if this form is incomplete, contains inaccurate or misleading information, the project located at this address may be delayed until any drainage or encroachment issues are resolved to the satisfaction of the City of Sacramento.

SIGNED Adriana Marquez      DATE 11/16/05  
 TITLE Adriana Marquez  
 PHONE NO. 916-452-2843

**Certification of Compliance**  
School District Development

**Part I - To be completed by the APPLICANT**

Owner's Name/Address Adriana Marquez (same address)  
Project Address 2231 Hooke Way Sacramento, CA 95822  
Parcel Number \_\_\_\_\_ Lot No. \_\_\_\_\_  
Subdivision Name \_\_\_\_\_ No. of Units \_\_\_\_\_  
Applicant's Signature Adriana Marquez Title owner  
Phone No. 916-452-2843 Date 11/15/05

**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 payments specified 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 other 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 # 0517527  
Building Type (check one)  Residential  Apartment/Condominium  Commercial/Industrial  
Square Feet of Chargeable Building Area 835  
Signature/Title Jay G. Building Inspector III Date 11.2.05

**Part III - To be completed by the SCHOOL DISTRICT**

School District SCUSD Certificate No. 11024

Exempt Comments \_\_\_\_\_  
 Residential/Apartment/etc. 835 Square ft. x \$ 2.24 = \$ 1,870.40  
Commercial/Industrial \_\_\_\_\_ Square ft. x \$ \_\_\_\_\_ = \$ \_\_\_\_\_  
Total fees collected..... = \$ 1,870.40

*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 Toni E. [Signature] Date 11/15/05

**CITY OF SACRAMENTO, CALIFORNIA**  
**BUILDING & SAFETY DIVISION 1231 I STREET, (916) 264-1965**  
**SPECIAL PACKAGE D FOR RESIDENTIAL ADDITIONS IN CLIMATE ZONE 12**

**CERTIFICATE OF COMPLIANCE CF-1R ADDITION, 100 TO 999 SQUARE FEET WITH [99-SF EXEMPTIONS & REQUIREMENTS.]**

Project Title Marquez Addition and Kitchen Remodel Date 11-2-05  
 Project Address 2231 Hooke Way Sacramento, CA 95822

Total Floor Area Addition: 835 Ft<sup>2</sup> Total Glazing Area Addition: 195 Ft<sup>2</sup> Floor Area x 16% = Total allowed.  
 REQUIREMENTS THAT APPLY TO NEW AREA FLOOR PLAN MAXIMUM GLASS ALLOWANCE FORMULA. (835 x 16% = 133.6)

A. 195 Sq. Ft. B. 66.67 Sq. Ft. C. 128.33 Sq. Ft. D. 15.4 %

NOTE: Using package D, maximum glass allowed is 16%

Total Glass in addition      Total of any removed glass (addition area)      Subtract B from A; enter amount in C      Divide C by floor area of addition.

Module I (R-19 Ceiling.....R-13 Wall.....R-13 Floor)

99-SF or Less	50% Max Glazing, No Credit for removed.	0.75 - U-Value	SHGC 0.40 Minimum.	No CF-4R, No HERS Testing	See, *, **, exceptions.
				No Radiant Barrier required.	

Module II Standard Package-D (R-38 Ceiling.....R-13 Wall.....R-19 Floor)

100-999 SF	16% Max Glazing See A,B,C,D above	0.65 - U-Value	SHGC 0.40 Minimum	Radiant Barrier In Addn Only.	Duct, TXV, & HERS Test, CF-R4, AFUE.78
		0.75 < 500 SF			**New 12 SEER, Duct test req. See***

Module III Alternate Package-D (R-38 Ceiling.....R19-2x6" Wall... or R-13 with R4.61 Rigid in a 2x4" Wall.....R-19 Floor)

100-999 SF	16% Max Glazing See A,B,C,D above	0.40-U-Value	SHGC 0.35 Minimum	Min 11 SEER when upgraded or added. Radiant Barrier addition only. See* & **.	AFUE 0.78 min. No CF-R4 required. No Duct, TXV, & HERS Test. **New 12 SEER
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Module IV Standard Pkg-D or Computer Performance Compliance

Floor Plans in excess of 999-SF require Performance Compliance of both existing and Addition combined, achieved by an approved Computer Program or, both Existing & Addition Designed and constructed per Module II Package-D.

Both Module II & III may use existing HVAC systems when adequate. Should a 12 SEER be installed in either Module then No HERS/TXV tests required. See Exceptions below.

[All duct R-value 4.2 Min.] [Pre-1978 AFUE .68=OK] [ \* -New HVAC requires HERS Test 11 SEER Min.] [\*\* -New 12 SEER A/C - No HERS/TXV or CF-R4] [\*\*\* No duct work, No HERS required] RB= Radiant barrier underside of roof & Gable walls, shiny side down. Duct Sealed= Ducts certified 6% leakage max. U= U-Value. TXV= Field verified by HERS rater. SEER= A/C Seasonal Energy Efficiency Ratio. SHGC= Window Solar Heat Gain Coefficient. AFUE= Annual Fuel Utilization Efficiency. [See \*\*\*\* & \*\*\*\*\* for wall frame and vaulted ceiling requirements.]

- QUESTIONARE: (By City of Sacramento Staff) FIELD VERIFY:
1. What year was home built? 1995
  2. What is SEER rating of current Air Conditioner? Unknown
  3. What is current Furnace AFUE ? Unknown
  4. Will Furnace or A/C be upgraded? Yes/No?
  5. New water heater (> 50 gal. Exempt) ? Yes/No?
  6. Note: No duct assembly allowed in wall cavity chases, New Furnace or HVAC requires new Setback thermostats each Zone or unit. Split zones require 2.

MODULE SELECTED: Module II

2001 Title 24 Residential Energy manual sec 3.1-3.8; sec 7.1-7.6 Effective July 1<sup>st</sup>, 2001.  
 \*\*\*\*\*Requires 2x6 assembly, or 2x4 R11 & Ext rigid R4.61. Cannot apply brace panels. \*\*\*\*\*Requires 2x12 @ Vaulted areas with 1" x 6" foam channel ventilation.

**NEW HEATING, COOLING, OR DOMESTIC WATER HEATING**

Systems installed in conjunction with the addition must comply with the appliance standards applicable to new installations in new residences. Complete the following standards if new equipment is being installed in conjunction with the room addition: Electric resistant heat not allowed.

HVAC SYSTEMS	Minimum Efficiency (SE, SEER, HSPF)	Duct Insulation	Output (Btu)	Manufacturer/Model # (or approved equal)
<u>HVAC UNIT</u>	<u>14 SEER 93% Eff.</u>	<u>R4.2 New</u>		
		<u>R4.2</u>		
		<u>R4.2</u>		

HOT WATER SYSTEMS	Capacity (gallons)	Manufacturer/Model# (or Approved equal)	Special Features

**COMPLIANCE STATEMENT**

This certificate of compliance lists the building features and performance specifications needed to comply with Title 24, Chapter 2-53, and Title 20, Chapter 2, subchapter 4, Article 1, of the California Administrative Code. The individual has signed this certificate with overall design responsibility and the building owner, who shall retain a copy of it and transmit the certificate to any subsequent purchaser of the building. When this certificate of compliance is submitted for a single building plan to be built in multiple orientations, all building conservation features that vary are indicated in the Special Feature/Remarks section.

BUILDING OWNER OR DESIGNER  
 Name: Adriana Marquez  
 Title/Firm: \_\_\_\_\_  
 Address: 2231 Hooke Way Sacramento, CA 95822

DOCUMENTATION AUTHOR  
 Name: \_\_\_\_\_  
 Title/Firm: \_\_\_\_\_  
 Address: \_\_\_\_\_

ENFORCEMENT AGENCY  
 Name: \_\_\_\_\_  
 City of Sacramento  
 1231 I Street  
 Sacramento, Ca. 95814

Adriana Marquez 11-2-05  
 Signature (date)

Signature (date)

Signature (date)

Compliance. When this checklist is incorporated into the permit documents, the features noted shall be considered by all parties binding 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
<b>Building Envelope Measures.</b>		
§150(a): *Minimum R-19 ceiling insulation.	AM	
§150(b): Loose fill insulation manufacturer's labeled R-Value.	NA	
§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).	AM	
§150(d): *Minimum R-13 raised floor insulation in framed floors.	AM	
§150(l): Slab edge insulation - water absorption rate no greater than 0.3%; water vapor transmission rate no greater than 2.0 perm/inch.	AM	
§118: Insulation specified or installed meets insulation quality standards. Indicate type and form.	AM	
§116-§117: 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 weather-stripped; all joints and penetrations caulked and sealed.		
§150(g): Vapor barriers mandatory in Climate Zones 14 and 16 only.	NA	
§150(f): Special infiltration barrier installed to comply with §151 meets Commission quality standards.	NA	
§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.	NA	
<b>Space Conditioning, Water Heating, and Plumbing System Measures.</b>		
§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.	AM	
§150(i): Setback thermostat on all applicable heating and/or cooling systems.	AM	
§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. Backup 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.	AM	
§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 backdraft or automatic dampers. 3. Gravity ventilating systems serving conditioned space have either automatic or readily accessible manually operated dampers.	NA	
§114: Pool and Spa Heating Systems and Equipment. 1. System is certified with 68% 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.	NA	
§115: Gas-fired central furnace, pool heaters, spa heaters, or household cooking appliances have no continuously burning pilot light. (Exception: Non-electrical cooking appliances with Pilot <150 BTU/hr.)	NA	
<b>Lighting Measures.</b>		
§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.	AM	
§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.	AM	

NOTE: \*Minimum Measures above only apply to the Insulation R-Values of a Performance Computerized Design per State of California Title-2 minimums even though a Performance Design may show in some instances a lesser application and, do not apply to Prescriptive Packages D or Alternative Package D, Package D must comply strictly within its Model.