

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0508447

Insp Area: 4

Thos Bros: 278A5

Site Address: 23 ASHLEY OAKS CT SAC

Parcel No: ASHLEYS OAKS LOT 6 Housing (Y/N):

Sub-Type: NSFR

N

CONTRACTOR
OWNER BUILDER

OWNER

ARCHITECT

Nature of Work: Master Plan 1237 2 story 6 room sfr.

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 0 _____ 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 6-13-05 Owner Signature *[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 6-13-05 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 6-13-05 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.

	SITE
	FIRE
	MECHANICAL
1	PLUMBING
1	ELECTRICAL
1	BUILDING
FINAL APPROVALS	

1-3-14-06
 [Signature]

PERMIT DOCUMENTS	INSPECTION COMMENTS
3/11/05 810/11 P40 CN 288	
7/13/05 810/11 P40 MP	
7-15-05	
8-10-05 P41 AP 273	
9-6-05 223 CN E12	
9-6-05 602 AP 612 RLB	
9-19-05 626 AP RLB	
9/22/05 810/11 P43 AP 3" S&F	
10-10-05 P-42 R.P. T.R.	
10-19-05 # 81 R.P. T.R.	
10-27-05 814 AP 3762 P in Koslosky	
1-12-06 P-47 R.S. T.R.	

ADDRESS: 23 Ashley Oak Ct
 PERMIT NO. 058847
 Planning and Building Department
 Building Division
 CITY OF SACRAMENTO
 CALIFORNIA
 Downtown Permits Center
 1231 I Street, #200
 Sacramento, CA 95814-2998
 North Permits Center
 2101 Arena Blvd, Suite 200
 Sacramento, CA 95834



Filing Category: EXTERIOR COATINGS

WESTERN 1-KOTE EXTERIOR STUCCO SYSTEM, MASTER WALL ONE COAT STUCCO SYSTEM, DRYVIT STUCCO PLUS SYSTEMS AND STO POWERWALL® STUCCO SYSTEM, AND EXTERIOR CEMENT PLASTER

WESTERN STUCCO PRODUCTS CO., INC.
 6101 NORTH 53RD DRIVE
 POST OFFICE BOX 968
 GLENDALE, ARIZONA 85311

DRYVIT SYSTEMS, INC.
 ONE ENERGY WAY
 WEST WARWICK, RHODE ISLAND 02893

STO CORP.
 6175 RIVERSIDE DRIVE
 ATLANTA, GEORGIA 30331

1.0 SUBJECT

Western 1-Kote Exterior Stucco System, Master Wall One Coat Stucco System, Dryvit Stucco Plus System and Sto Powerwall Stucco System, and Exterior Cement Plaster.

2.0 DESCRIPTION

2.1 One-coat Stucco Systems:

2.1.1 General: The Western 1-Kote Exterior Stucco System, Master Wall Powerwall Stucco System, Dryvit Stucco Plus System and Sto One-coat Stucco System are exterior cementitious one-coat stucco wall-coating systems. See Table 1 for the company names, system names and product names. The systems consist of a proprietary stucco reinforced with wire fabric or metal lath. The systems are applied to substrates of expanded polystyrene (EPS) or extruded polystyrene (XEPS) insulation board, gypsum sheathing board, fiberboard, plywood, or oriented strand board (OSB). The systems are installed on exterior walls of wood- or steel-stud construction.

2.1.2 Materials:

2.1.2.1 Western 1-Kote Stucco, OCS, Stucco Plus Concentrate, and Sto Powerwall Stucco: The materials are factory-prepared mixtures of Type I or II portland cement complying with ASTM C 150-94, lime, chopped fibers, and proprietary additives. The dry cementitious mixture is packaged in 80-pound (36 kg) bags. Four and one half to six gallons (17 to 23 L) of water and 180 to 200 pounds (82 to 91 kg) of sand are added to each bag, in the field, and the components are mixed in accordance with the manufacturer's recommendations. Alternatively, the stucco product is premixed with sand and is packaged in 90-pound (40.8 kg) bags. The premixed stucco product is field-mixed with 3 gallons (11.5 L) of water per bag of stucco product.

Approved color pigments may be added to the stucco mix in accordance with the manufacturer's instructions.

2.1.2.2 Sand: Sand must be clean and free from deleterious amounts of loam, clay, silt, soluble salts and organic matter. Sampling and testing must comply with ASTM C 144. Sand must be graded within the following limits:

RETAINED ON U.S. STANDARD SIEVE	PERCENT RETAINED BY WEIGHT ± 2 PERCENT	
	Minimum	Maximum
No. 4	—	0
No. 8	0	10
No. 16	10	40
No. 30	30	65
No. 50	70	90
No. 100	95	100

2.1.2.3 Insulation Board:

2.1.2.3.1 Expanded Polystyrene Insulation Board: EPS boards must have a nominal density of 1.5 pounds per cubic foot (24 kg/m³), a Class I flame-spread classification and a smoke-developed rating not exceeding 450. Boards installed without sheathing over open framing must be 1 to 1½ inches (25.4 to 38 mm) thick and provided with ¾-inch-high (9.5 mm) tongues with compatible grooves for horizontal joints. See Figure 1 for joint detail. All boards must be recognized in a current ICBO ES evaluation report. See Section 2.3 for board identification.

2.1.2.3.2 Extruded Polystyrene Insulation Board: XEPS boards must have a minimum density of 1.6 pounds per cubic foot (25.6 kg/m³). See Section 2.1.2.3.1 for other details and requirements.

2.1.2.3.3 Fome-Cor Board Lathing Material: The material is nominal ¼-inch-thick XEPS foam plastic identified as Fome-Cor Board Lathing Material in ICBO ES evaluation report ER-3335.

2.1.2.4 Lath:

2.1.2.4.1 Wire Fabric Lath: The lath is minimum No. 20 gage, 1-inch (25.4 mm), galvanized steel woven-wire fabric. Lath must be self-furred or furred when applied over all substrates except unbacked polystyrene board. Self-furring lath for coatings must comply with the following requirements:

1. The maximum total coating thickness is ½ inch (12.7 mm).
2. Furring crimps must be provided at maximum 6-inch (152 mm) intervals each way. The crimps must fur the body of the lath a minimum of ¼ inch (3.2 mm) from the substrate after installation.

2.1.2.4.2 Metal Lath: The metal lath complies with Table 25-B of the 1997 *Uniform Building Code*™ (UBC). Furring and self-furring requirements are as set forth for wire fabric lath.

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to installation of wire fabric or metal lath, or optional insulation board. The vertical joints of the insulation board must be staggered from adjacent courses a minimum of 3 inches (76 mm). Insulation board must be attached to the framing, but the vertical joints of the insulation board are not required to align with the framing. The wire fabric or metal lath is attached to studs through the weather-resistive barrier and sheathing, with fasteners and spacings as described for insulation boards either in Section 2.1.3.2.1 of this report or in Table 23-II-B-1 of the UBC, whichever is more restrictive. Wood framing must be of a species having a specific gravity of 0.50 or greater, such as Douglas fir-larch. The system may also be applied to minimum No. 20 gage [0.036 inch (0.914 mm) thick] steel studs spaced 24 inches (610 mm) on center. System application is similar to that for wood studs, except No. 8, 0.161-inch-diameter-shank (0.41 mm), 0.420-inch-diameter-head (10.7 mm), minimum $1\frac{3}{4}$ -inch-long (44.5 mm) self-tapping screws secure the lath and sheathing. Screw penetration is a minimum of $\frac{1}{4}$ inch (6.4 mm) beyond the steel stud. All walls must be braced in accordance with the UBC. Exposed sheathing edges are protected with screeds. Holes in the substrate surface are caulked and the coating is applied as described in Section 2.1.3.1.

2.1.3.3.2 Gypsum Sheathing: Minimum $\frac{1}{2}$ -inch-thick (12.7 mm), water-resistant core gypsum sheathing may be installed directly on wood studs in a manner similar to that for fiberboard. The sheathing may also be installed on No. 20 gage [0.036 inch (0.914 mm) thick] steel studs. Gypsum sheathing is fastened in accordance with Table 25-G of the UBC. A weather-resistive barrier is required over the gypsum sheathing prior to installation of the lath and coating as described in Section 2.1.3.2.

2.1.3.3.3 Wood-based Structural Sheathing: Plywood or OSB must be applied directly to wood studs as set forth in Section 2.1.2.9 of this report and Table 23-IV-D-1 of the UBC. The weather-resistive barrier, optional insulation board, lath and coating are applied as described for fiberboard in Section 2.1.3.3.1 of this report.

2.1.4 One-hour Fire-resistive Limited Load-bearing Wall Assemblies:

2.1.4.1 First Assembly:

2.1.4.1.1 Interior Face: One layer of $\frac{5}{8}$ -inch-thick (15.9 mm), Type X gypsum wallboard, water-resistant backerboard or veneer base is applied parallel or at right angles to the interior face of 2-by-4 wood studs spaced a maximum of 24 inches (610 mm) on center. The gypsum boards are attached using 6d coated nails, $1\frac{1}{8}$ inches (48 mm) long with a $\frac{1}{4}$ -inch-diameter (6.4 mm) head, at 7 inches (178 mm) on center to studs, plates and blocking. All gypsum board joints must be backed with wood framing and must be taped and, along with fastener heads, treated with joint compound.

2.1.4.1.2 Exterior Face: One layer of minimum $\frac{5}{8}$ -inch-thick (15.9 mm), 48-inch-wide (1219 mm), Type X, water-resistant core gypsum sheathing is applied parallel to studs using No. 11 gage galvanized roofing nails, $1\frac{3}{4}$ inches (44.5 mm) long with a $\frac{7}{16}$ -inch- or $\frac{1}{2}$ -inch-diameter (11.1 mm or 12.7 mm) head, at 4 inches (102 mm) on center at board edges and 7 inches (178 mm) on center at intermediate studs. The sheathing is nailed to top and bottom plates at 7 inches (178 mm) on center. A weather-resistive barrier complying with Section 2.1.2.11 of this report is required over the sheathing. The wire fabric lath and wall coating are then applied as described in Section 2.1.3.2.

2.1.4.2 Second Assembly:

2.1.4.2.1 Interior Face: One layer of $\frac{5}{8}$ -inch-thick (15.9 mm), Type X gypsum wallboard is applied horizontally to wood studs spaced a maximum of 16 inches (406 mm) on

center. The wallboard is attached, using $1\frac{5}{8}$ -inch-long (41.3 mm), No. 13 gage, gypsum wallboard nails having a $\frac{19}{64}$ -inch-diameter (7.5 mm) head, at 6 inches (152 mm) on center around board edges and to studs and blocking. All wallboard joints must be backed by wood framing and taped and treated with joint compound. Fastener heads must be treated with joint compound.

2.1.4.2.2 Exterior Face: Three-and-five-eighths-inch-thick (92 mm), 15-inch-wide (381 mm), R-13, 1.72 pcf density (27.6 kg/m³), mineral wool batts, having a vapor barrier on one face, are stapled to one face of the framing members. One layer of $\frac{1}{2}$ -inch-thick (12.7 mm), water-resistant core gypsum sheathing is fastened to the studs as described for gypsum wallboard in Section 2.1.4.2.1 of this report. A weather-resistive barrier of kraft waterproof paper complying with UBC Standard 14-1 is applied over the sheathing in accordance with the code. The 1-inch (25.4 mm) by No. 20 gage galvanized wire fabric lath and the wall coating are applied over the sheathing and weather-resistive barrier in accordance with Section 2.1.3.3.2 of this report. No foam plastic insulation is permitted.

2.1.4.3 Third Assembly:

2.1.4.3.1 Interior Face: One layer of $\frac{5}{8}$ -inch-thick (15.9 mm), Type X gypsum wallboard is applied to nominal 2-by-4 wood studs spaced a maximum of 24 inches (610 mm) on center, with the gypsum wallboard's long dimension horizontal. Horizontal solid blocking must be installed at the wall midheight. The wallboard is attached with $1\frac{5}{8}$ -inch-long (41.3 mm), cupped-head gypsum wallboard nails with a 0.30-inch-diameter (7.62 mm) head and 0.10-inch-diameter (0.254 mm) shank. The fasteners are spaced a maximum of 8 inches (203 mm) on all studs, plates and blocking. Wallboard joints must be covered with paper tape and gypsum joint compound. Fastener head must also be treated with joint compound. Kraft-paper-faced, $3\frac{1}{2}$ -inch-thick (89 mm), R-11, fiberglass batt insulation complying with Section 707.3 of the code must be installed in the cavity of the wall.

2.1.4.3.2 Exterior Face: Any of the following substrates may be used:

- One layer of minimum $\frac{1}{2}$ -inch-thick (12.7 mm) water-resistant core gypsum sheathing.
- One layer of minimum $\frac{7}{16}$ -inch-thick (11.1 mm) oriented strand board (OSB).
- One layer of minimum $\frac{7}{16}$ -inch-thick (11.1 mm) plywood.

The substrates must be as described in Section 2.1.2.5 or 2.1.2.9 of this report, and must be installed on the wood framing as described in Section 2.1.3.3.2 or 2.1.3.3.3, as applicable. Horizontal joints in the exterior face sheathing must be offset 24 inches (610 mm) from horizontal joints of the gypsum wallboard on the opposite wall face. A weather-resistive barrier complying with this report must be installed as described in this report. The lath and wall coating must be installed as described in this report.

2.1.5 Noncombustible Construction: When installed in accordance with Sections 2.1.5.1 through 2.1.5.6, the stucco system may be installed on exterior walls required to be of noncombustible construction.

2.1.5.1 Interior Finish: One layer of $\frac{5}{8}$ -inch-thick (15.9 mm), Type X gypsum wallboard complying with ASTM C 36 is applied vertically to steel framing with all edges blocked. Fasteners are No. 8 by $1\frac{1}{4}$ -inch-long (31.7 mm) buglehead screws fastened to board joints at 8 inches (203 mm) on center and to intermediate locations at 12 inches (305 mm) on center. All joints are taped and treated with joint compound. Intermediate fasteners are treated with compound.

For insulation boards applied to walls required to be of noncombustible construction, as noted in Section 2.1.5, each board must be identified along one edge, and one board from each insulation package must be identified on both faces, with the evaluation report number (ICBO ES ER-3899), the system name as stated in Table 1 of this report, and the ICBO ES evaluation report number for the foam plastic.

3.0 EVIDENCE SUBMITTED

Data in accordance with the ICBO ES Acceptance Criteria for Cementitious Exterior Wall Coatings (AC11), dated January 2001, and reports of tests in accordance with UBC Standards 26-4 and 7-1.

4.0 FINDINGS

That the exterior cementitious stucco wall coating systems and exterior cement plasters described in this report comply with the 1997 *Uniform Building Code*™ (UBC), subject to the following conditions:

- 4.1 The materials and methods of installation comply with this report and the manufacturer's instructions.
- 4.2 Installation is by contractors approved by the manufacturer.
- 4.3 The system is applied to walls required to be of noncombustible construction, in accordance with Section 2.1.5.
- 4.4 The axial load applied to the fire-resistive wall assemblies described in Sections 2.1.4.2 and 2.1.4.3 does not exceed the least of the following:
 - 4.4.1 1,100 pounds (4895 N) per stud
 - 4.4.2 Design stress, based on $0.78 F'_c$, in accordance with Chapter 23, Division III, of the UBC.

4.4.3 Design stress of $0.78 F'_c$ at a maximum l/d ratio of 33.

4.4.4 For the assembly described in Section 2.1.4.2, 54 percent of the load calculated in accordance with Chapter 23, Division III, of the UBC.

4.4.5 For the assembly described in Section 2.1.4.3, 44.7 percent of the load calculated in accordance with Chapter 23, Division III, of the UBC.

4.5 The axial load design stress for the fire-resistive wall assembly described in Section 2.1.4.1 is limited to $0.78 F'_c$, and the maximum stress does not exceed $0.78 F'_c$ at a maximum l/d ratio of 33.

4.6 The interior of the building is separated from the foam plastic boards by a thermal barrier complying with Section 2602.4 of the code, such as 1/2-inch-thick (12.7 mm) regular gypsum wallboard applied in accordance with Table 25-G of the UBC.

4.7 An installation card, such as shown in Figure 3, is completed and left at the jobsite for the owner, and a copy is filed with the building department.

4.8 The allowable wind load on the cementitious one-coat stucco systems with studs a maximum of 24 inches (610 mm) on center is 35 psf (1.68 kN/m²), except for gypsum sheathing substrates, for which the allowable wind load is 25 psf (1.20 kN/m²). Support framing must be adequate to resist the design load.

This report is subject to re-examination in two years.

TABLE 1—CROSS REFERENCE INDEX

COMPANY NAME	SYSTEM NAME	PRODUCT NAME
Western Stucco Products, Inc.	Western 1-Kote Exterior Stucco System	Western 1-Kote
Dryvit Systems, Inc.	Dryvit Stucco Plus System	Stucco Plus Concentrate
Sto Corp.	Sto One-coat Stucco System	Sto One-coat Stucco
Mater Wall Inc.	Master Wall One Coat Stucco System	OCS

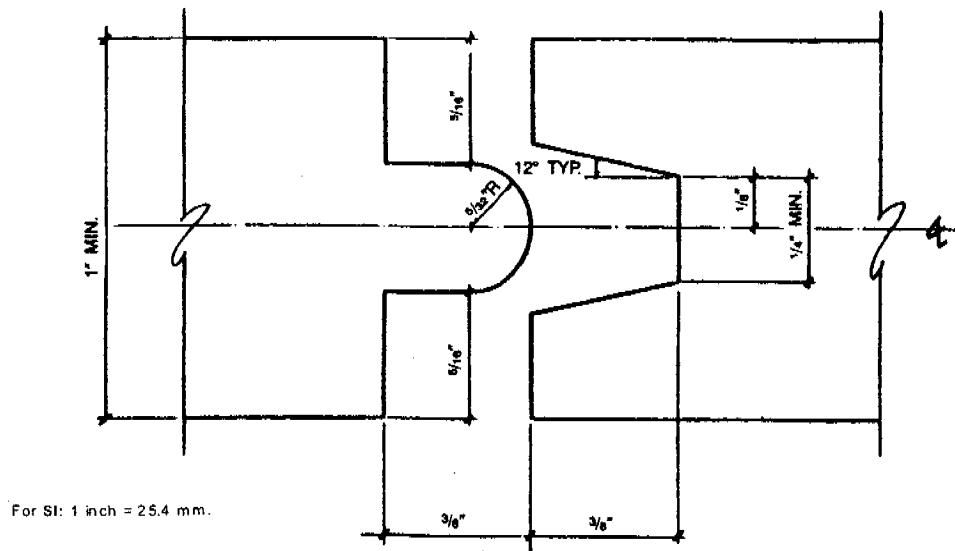


FIGURE 1—TONGUE AND GROOVE

INSTALLATION CERTIFICATE

(Page 1 of 7)

CF-6R

23 Ashley Oaks Ct. 0508947
 Site Address Permit Number

An installation certificate is required to be posted at the building site or made available for all appropriate inspections. (The information provided on this form is required; however, use of this form to provide the information is optional.) After completion of final inspection, a copy must be provided to the building department (upon request) and the building owner at occupancy, per Section 10-103(b).

HVAC SYSTEMS:

Heating Equipment

Equip. Type (pkg. heat pump)	CEC Certified Mfr Name and Model Number	# of Identical Systems	Efficiency (AFUE, etc.) ¹ [\geq CF-1R value]	Duct Location (attic, etc.)	Duct or Piping R-value	Heating Load (Btu/hr)	Heating Capacity (Btu/hr)
SPLIT	CARRIER	1	85.9%	ATTIC	4.8		175,000

Cooling Equipment

Equip. Type (pkg. heat pump)	CEC Certified Compressor Unit Mfr Name and Model Number	# of Identical Systems	Efficiency (SEER, etc.) ¹ [\geq CF-1R value]	Duct Location (attic, etc.)	Duct R-value	Cooling Load (Btu/hr)	Cooling Capacity (Btu/hr)
SPLIT	CARRIER		10.0 SEER	ATTIC	4.8		175,000

1. \geq reads greater than or equal to.

I, the undersigned, verify that equipment listed above is: 1) is the actual equipment installed, 2) equivalent to or more efficient than that specified in the certificate of compliance (Form CF-1R) submitted for compliance with the Energy Efficiency Standards for residential buildings, and 3) equipment that meets or exceeds the appropriate requirements for manufactured devices (from the Appliance Efficiency Regulations or Part 6), where applicable.

ADD 3-11-06
 Signature, Date

AL FRANGIS
 Installing Subcontractor (Co. Name)
 OR General Contractor (Co. Name) OR Owner

WATER HEATING SYSTEMS:

Heater Type	CEC Certified Mfr Name & Model Number	Distribution Type (Std. Point-of-Use)	If Recirculation, Control Type	# of Identical Systems	Rated ² Input (kW or Btu/hr)	Tank Volume (gallons)	Efficiency ² (EF, RE)	Standby ² Loss (%)	External Insulation R-value ³
1	A.O.Smith	STD							R19

- 2. For small gas storage (rated input of less than or equal to 75,000 Btu/hr), electric resistance and heat pump water heaters, list Energy Factor. For large gas storage water heaters (rated input of greater than 75,000 Btu/hr), list Recovery Efficiency, Standby Loss and Rated Input. For instantaneous gas water heaters, list Recovery Efficiency and Rated Input.
- 3. R-12 external insulation is mandatory for storage water heaters with an energy factor of less than 0.58.

Faucets & Shower Heads:

All faucets and showerheads installed are certified to the Commission, pursuant to Title 24, Part 6, Section 111.

I, the undersigned, verify that equipment listed above my signature is: 1) the actual equipment installed; 2) equivalent to or more efficient than that specified in the certificate of compliance (Form CF-1R) submitted for compliance with the Energy Efficiency Standards for residential buildings; and 3) equipment that meets or exceeds the appropriate requirements for manufactured devices (from the Appliance Efficiency Regulations or Part 6), where applicable.

ADD 3-11-06
 Signature, Date

AL FRANGIS
 Installing Subcontractor (Co. Name) OR
 General Contractor (Co. Name) OR Owner

COPY TO: Building Department
 HERS Provider (if applicable)
 Building Owner at Occupancy

INSTALLATION CERTIFICATE

(Page 2 of 7)

CF-6R

Site Address 23 Ashley Oaks Ct Permit Number 0508447

FENESTRATION/GLAZING:

Manufacturer/Brand Name (GROUP LIKE PRODUCTS)	Product U-Value ¹ (≤ CF-1R value) ²	Product SHGC ¹ (≤ CF-1R value) ²	# of Panes	Total Quantity of Like Product (Optional)	Square Feet	Interior or Exterior Shading Device or Overhang	Comments/Location/Special Features
1. <u>Pella</u>	<u>R-45</u>			<u>14</u>		<u>Low</u>	<u>All</u>
2. <u>Pella</u>						<u>glass</u>	<u>window</u>
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							

¹ Manufactured fenestration products use the values from the product label. Field fabricated fenestration products use the default values from Section 116 of the Energy Efficiency Standards.
² Installed U-value must be less than or equal to values from CF-1R. Installed SHGC must be less than or equal to values from CF-1R, or a shading device (interior, exterior or overhang) is installed as specified on the CF-1R. Alternatively, installed weighted average U-values for the total fenestration area are less than or equal to values from CF-1R.

I, the undersigned, verify that the fenestration/glazing listed above my signature: 1) is the actual fenestration product installed; 2) is equivalent to or has a lower U-Value and lower SHGC than that specified in the certificate of compliance (Form CF-1R) submitted for compliance with the *Energy Efficiency Standards* for residential buildings; and 3) the product meets or exceeds the appropriate requirements for manufactured devices (from Part 6), where applicable.

<u>14</u> Item #s (if applicable)	<u>Adm Jm 3-11-06</u> Signature, Date	<u>AI FRANGIS</u> Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner OR Window Distributor
 Item #s (if applicable)	 Signature, Date	 Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner OR Window Distributor
 Item #s (if applicable)	 Signature, Date	 Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner OR Window Distributor

COPY TO: Building Department
 HERS Provider (if applicable)
 Building Owner at Occupancy

INSULATION CERTIFICATE

THIS IS TO CERTIFY THAT INSULATION HAS BEEN INSTALLED IN CONFORMANCE WITH THE CURRENT ENERGY REGULATIONS, CALIFORNIA ADMINISTRATION CODE, TITLE 24, STATE OF CALIFORNIA, IN THE BUILDING LOCATED AT:

SITE ADDRESS LOT 6 ASHLEY OAKS SACRAMENTO CA
 NUMBER CITY STATE

CEILINGS:

BLOW: MANUFACTURER GREEN FIBER THICKNESS 10.3" RVALUE 38

BATTS: MANUFACTURER KNAUF THICKNESS 13" RVALUE 38

KNAUF

EXTERIOR WALLS:

MANUFACTURER KNAUF THICKNESS 3.5" RVALUE 13

KNAUF

FLOOR INSULATION:

MANUFACTURER KNAUF THICKNESS 6.5" RVALUE 19

KNAUF

AIR INFILTRATION: (TITLE 24)

YES XXX NO

OTHER: _____

GENERAL CONTRACTOR: A & R ENTERPRISE LICENSE # _____

BY: _____ TITLE _____ DATE _____

INSULATION CONTRACTOR: WESTERN INSULATION LP LICENSE # 794484

BY: Becky Guthertz TITLE AUTH. AGENT DATE 1/26/2006

BECKY GUTHERZ