

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0603311
Insp Area: 4
Thos Bros: 277-A2

Site Address: 3727 NATURITA WY SAC
Parcel No: MACHADO LOT# 74 Housing (Y/N):

Sub-Type: NSFR
N

CONTRACTOR
BEAZER HOMES HOLDING CORP.
3721 DOUGLAS BLVD. STE 100
ROSEVILLE, CA. 95661

OWNER

ARCHITECT

Nature of Work: MP 1317 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 B License Number 818129 Date 3/21/06 Contractor Signature N. Collins

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 _____ Owner Signature _____

PAID
CITY OF SACRAMENTO
MAR 21 2006
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 improvements 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 3/21/06 Applicant/Agent Signature N. Collins

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 LIBERTY MUTUAL INS. CO. Policy Number WA265D004147083 Exp Date 04/01/2006

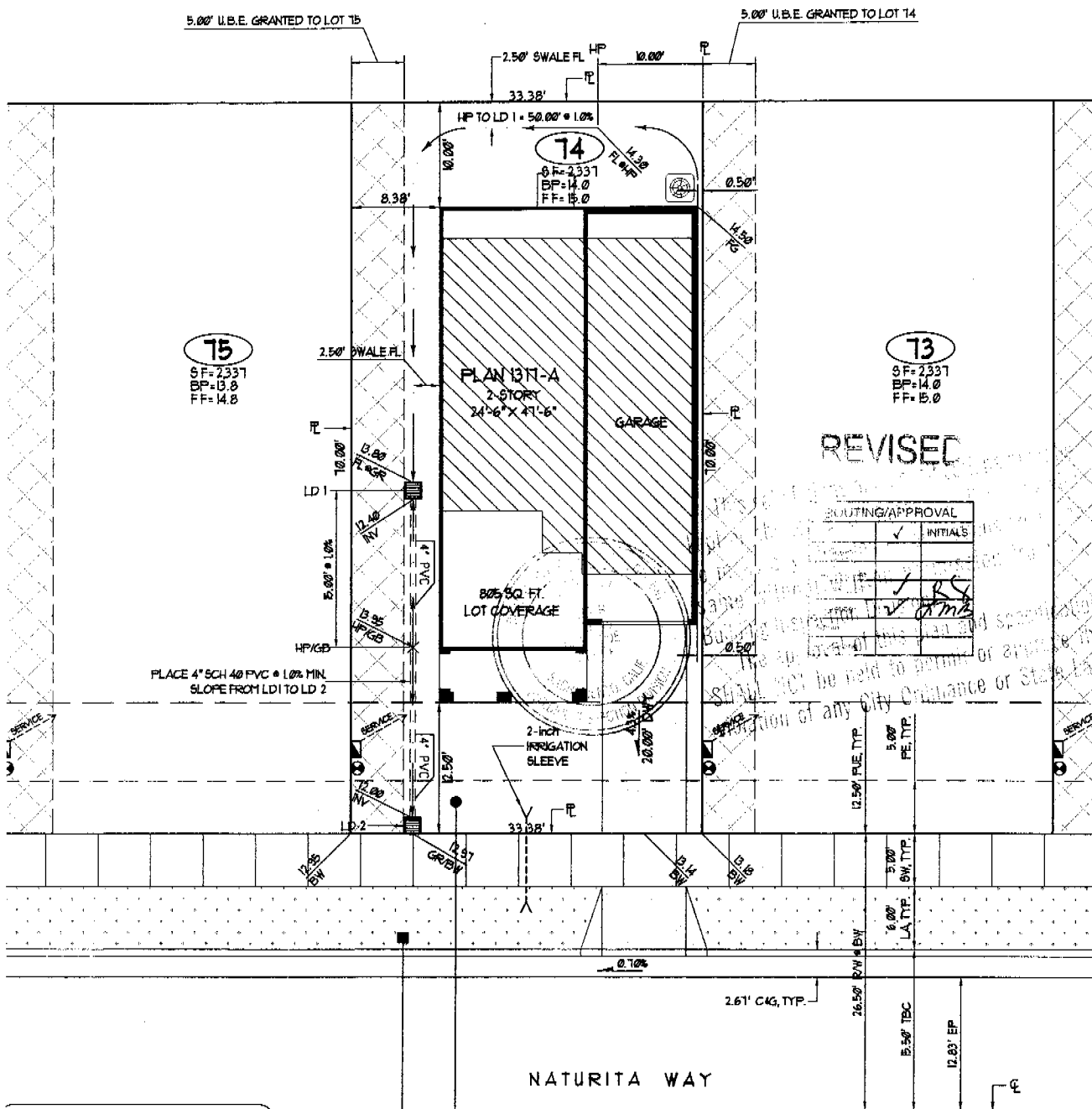
(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 3/21/06 Applicant Signature N. Collins

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.

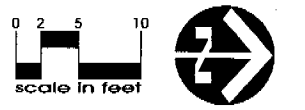
NOTE: Invert elevation of landscape drain pipe may vary due to construction methods & materials used.



Fire protection shall not be required where building is located at a minimum of 3'-3" from property line per CBC 503.2.4 Table 5-A

plot plan

THIS PLOT PLAN IS FOR THE PURPOSE OF SHOWING THE HOUSE TO BE CONSTRUCTED ON THE LOT AND MAY NOT REPRESENT THE FINAL AS-BUILT CONFIGURATION OF THE PROPERTY OR IMPROVEMENTS THEREON. THE ACCURACY OF THIS PLOT PLAN IS NOT GUARANTEED, NOR IS IT A PART OF ANY POLICY, REPORT OR GUARANTEE TO WHICH IT MAY BE ATTACHED. ACTUAL DIMENSIONS, OTHER THAN MINIMUM ORDINANCE, MAY CHANGE OR VARY WITHOUT PRIOR NOTICE, DUE TO ACTUAL SITE CONDITIONS.



symbols legend

	CUT OR FILL SLOPE BANK (2:1 MAXIMUM, U.O.N.)		STREET LIGHT
	SPOT ELEVATION / LOCATION		GAS SERVICE
	DRAINAGE SWALE		CATCH BASIN / DROP INLET
	FIRE HYDRANT		ELECTRIC SERVICE
	WATER SERVICE		AIR CONDITIONING
	SEWER SERVICE		CONDENSER UNIT
			PAD-MOUNTED TRANSFORMER

use and benefit easement

USE A BENEFIT EASEMENT (U.B.E.) IS A GRANT TO THE ADJACENT LOT FOR INGRESS/EGRESS FOR THE PURPOSE OF REPAIR, MAINTENANCE, DRAINAGE, AND IMPROVEMENT OF ANY OF THE LOTS THAT ARE CONTIGUOUS TO THE EASEMENT AREA. NO STRUCTURE AND/OR OTHER PERMANENT IMPROVEMENT OF ANY NATURE SHALL BE PLACED, MAINTAINED OR PERMITTED TO REMAIN ON OR WITHIN THE EASEMENT AREA.

abbreviations

BP	BUILDING PAD	FF	FINISHED FLOOR	INV	PIPE INVERT	FE	POSTAL EASEMENT
BW	BACK OF WALK	FG	FINISHED GRADE	L	CURVE LENGTH	FUE	PUBLIC UTILITIES EASEMENT
C	STREET CENTERLINE	FL	FLOW LINE	LA	LANDSCAPE AREA	R/W	RIGHT OF WAY
C&G	CURBS AND GUTTER	GB	GRADE BREAK	LD	LANDSCAPE DRAIN	R	RADIAL / RADIIUS
DWT	DRIVEWAY	GR	DRAIN GRATE	LF	LINEAR FEET	SW	SIDEWALK
EP	EDGE OF PAVEMENT	HP	HIGH POINT	PL	PROPERTY LINE	TBC	TOP BACK OF CURB

- notes**
- RIGHT OF WAYS, LOTS, EASEMENTS AND CENTERLINE SHOWN AS PER THE FINAL MAP OF MACHADO SUBDIVISION NO. P04-114 PREPARED BY PRO ENGINEERS, INC.
 - GRADINGS & UTILITIES SHOWN AS PER THE IMPROVEMENT PLANS FOR MACHADO SUBDIVISION, A.P.N. 225-050-023, VOID NO. 5634C332066, PREPARED BY PRO ENGINEERS, INC.
 - LOT DRAINAGE SHOWN BASED UPON LOT GRADING PLAN DETAIL, GRADING PLAN SHEET CS OF THE CIVIL IMPROVEMENT PLANS, PREPARED BY PRO ENGINEERS, INC., LAST DATED 2/10/05 (DELTA REVISION A).
 - POSITIVE SURFACE DRAINAGE FROM REAR YARD TO FRONT OF LOT SHALL BE ASSURED.
 - ELECTRIC AND GAS SHOWN IN PROPOSED LOCATIONS AS PER MACHADO SUBDIVISION JOINT TRENCH COMPOSITE PLAN PREPARED BY LUPTON EXCAVATION, INC., DATED 11/11/05.



Nottingham Village

homesite 74

Naturita Way
ASSESSOR'S PARCEL NO.:
MACHADO SUBDIVISION
CITY OF SACRAMENTO, CALIFORNIA

1317	RIGHT	A	1009
plan no.	gar.	elev.	color
2337	805	34%	
lot sq. ft.	footprint sq. ft.	lot cvrg.	
2	BCB	2/27/06	10:1
phase	drawn by	revision	scale

3627 Notwith w7
Permit# 0603311

OMEGA PRODUCTS INTERNATIONAL, INC.
DIAMOND WALL INSULATING STUCCO SYSTEM
ICBO Report # 4004

Builder: **BEAZER HOMES**
Project Name: **NOTTINGHAM @ MACHADO**

Lot Numbers: 74 Date of Job Completion: June 11, 2006

PLASTERING CONTRACTOR:

Name: **STUCCO WORKS, INC.**

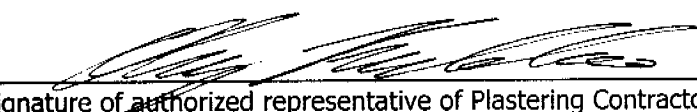
Address: 5900 WAREHOUSE WAY - SACRAMENTO, CALIFORNIA 95826

Telephone No: (916) 383-6667

Contractor Number of Diamond Wall System: 2175

This is to certify that the exterior coating system on the building exterior at the above address has been installed in accordance with the evaluation report specified above and the manufacturer's Inspections.

July 11, 2006
Date


Signature of authorized representative of Plastering Contractor

This installation card must be presented to the building inspector after completion of work and before final inspection.

CF-6R

INSTALLATION CERTIFICATE

Beazer Homes - Nottingham

Site Address 3627 NATUZITA Way

Permit Number 0603311

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:

Lot 74

Heating Equipment

Table with 8 columns: Equip. Type (pkg. Heat pump), CEC Certified Mfr name and Model #, # of Identical Systems, (1) Efficiency (AFUE, etc.) > CF-IR value, Duct Location (attic, etc.), Duct or Piping R-value, Heating Load (Btu/hr), Heating Capacity (Btu/hr). Rows include FURNACE YORK #LY8S040A12, FURNACE YORK #LY8S060A12, etc.

Cooling Equipment

Table with 8 columns: Equip. Type (pkg. Heat pump), CEC Certified Compressor Unit Mfr Name and Model #, # of Identical Systems, (1) Efficiency (SEER, etc.) > CF-IR Value, Duct Location (attic, etc.), Duct R-value, Cooling Load (Btu/hr), Cooling Capacity (Btu/hr). Rows include A/C YORK # H* RD024*, A/C YORK # H* RD030*, etc.

* = TXV valve installed as part of the coil

(1) > 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.

Signature, Date [Handwritten Signature] 9-6-05

BEUTLER CORPORATION

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

WATER HEATING SYSTEMS:

Table with 8 columns: Heater Type, CEC Certified Mfr Name & Model #, Distribution Type (Std, point of use), If Recirculation Control Type, # of Identical Systems, (2) Rated Input (kW or Btu/hr), Tank Volume (gallons), (2) Efficiency (EF, RE), (2) Standby Loss (%), External Insulation R-value.

(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.

Facets & Shower Heads:

All facets 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.

Signature, Date COPY TO: Building Department; HERS Provider (if applicable); Building Owner at Occupancy

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

INSTALLATION CERTIFICATE

(page 1 of 4)

CF-6R

BEAZER HOMES

NOTTINGHAM

Site Address

3627 NATUZITA WAY

Permit Number

0603311

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:

Lot 74

Plans - 4 and 5

Heating Equipment

Equip. Type (pkg. heat pump)	CEC Certified Mfr Name and Model Number	# of Identical Systems	Efficiency (AFUE, etc.) ¹ (≥CF-IR value)	Duct Location (attic, etc.)	Duct or Piping R-value	Heating Load (Btu/hr)	Heating Capacity (Btu/hr)

Cooling Equipment

Equip. Type (pkg. heat pump)	CEC Certified Compressor Unit Mfr Name and Model Number	# of Identical Systems	Efficiency (SEER, etc.) ¹ (≥CF-IR value)	Duct Location (attic, etc.)	Duct R-value	Cooling Load (Btu/hr)	Cooling Capacity (Btu/hr)

¹ ≥ 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-IR) 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.

Signature, Date

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 ¹ Input (kW or Btu/hr)	Tank Volume (gallons)	Efficiency ¹ (EF, RE)	Standby ¹ Loss (%)	External Insulation R-value
<u>GAS</u>	<u>A.O. Smith GDYS-40</u>	<u>Direct Vent</u>	<u>N/A</u>	<u>1</u>	<u>36,000</u>	<u>40</u>	<u>.59</u>	<u>N/A</u>	<u>R-16</u>

¹ 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.

Faucets & Shower Heads:

All faucets and showerheads installed are certified to the Commission, pursuant to Title 24, Part 6, Subchapter 2, Section 111.

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

Tuan Clavel 6/20/06
Signature, Date

J.P. Pierce Plumbing Co.
Installing Subcontractor (Co. Name) OR
General Contractor (Co. Name) OR Owner

COPY TO: Building Department
Building Owner at Occupancy

MONA

INSTALLATION CERTIFICATE	(Page 2 of 12) CF-6R
Site Address 3627 NATUZITA WAY NOTTINGHAM VILLAGE SACRAMENTO CA 95828	Permit Number 0603311

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) 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(a).

FENESTRATION/GLAZING: Lot 74

Item	Manufacturer/Brand Name (GROUP LIKE PRODUCTS)	Product U-factor ¹ (≤ CF-1R value) ²	Product SHGC ¹ (≤ CF-1R value) ³	# of Panels	Total Quantity of Like Product (Optional)	Area Square Feet	Exterior Shading Device or Overhang	Comments/Location/Special Features
1.	XO W/GAIDS	.35	.29					
2.	XO NO GAIDS	.35	.32					
3.	SH W/GAIDS	.35	.29					
4.	SH NO GAIDS	.35	.32					
5.	PL W/GAIDS	.34	.37					
6.	PL NO GAIDS	.34	.35					
7.	PART DOORS	.35	.34					
8.								
9.								
10.								
11.								
12.								
13.								
14.								
15.								

- ¹ Use values from a fenestration product's NFRC label. For fenestration products without an NFRC label, use the default values from Section 116 of the Energy Efficiency Standards.
- ² Installed U-factor 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 (exterior or overhang) is installed as specified on the CF-1R. Alternatively, installed weighted average U-factors for the total fenestration area are less than or equal to values from CF-1R. If using default table SHGC values from §116 identify whether tinted or not.

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-factor 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.

Item #s (if applicable)	Signature	Date	Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner OR Window Distributor
1-7	<i>Dennis M. ...</i>	6/16/06	ALSIDE
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

Copies to: Building Department, HERS Rater (if applicable) Building Owner at Occupancy

PERMIT

0603311

Nottingham

CERTIFICATE OF FIELD VERIFICATION & DIAGNOSTIC TESTING (Page 1 of 8) CF-4R	
Project Address 3727 Natrurita Way	Builder Name Benzler
Builder Contact Lot 74	Plan Number 1317
HERS Rater Robert Vincent	Telephone (916) 847-6514
Compliance Method (Prescriptive)	Sample Group Number JOB 1000
Certifying Signature <i>[Signature]</i>	Date 7/10/06
Firm Amaco Construction	HERS Provider CHEERS
Street Address: 9524 Mosquito Rd	City/State/Zip: Placerville CA

Copies to: BUILDER, HERS PROVIDER AND BUILDING DEPARTMENT

HERS RATER COMPLIANCE STATEMENT

The house was: Tested Approved as part of sample testing, but was not tested

As the HERS rater providing diagnostic testing and field verification, I certify that the house identified on this form complies with the diagnostic tested compliance requirements as checked on this form. The HERS rater must check and verify that the new distribution system is fully ducted and correct tape is used before a CF-4R may be released on every tested building. The HERS rater must not release the CF-4R until a properly completed and signed CF-6R has been received for the sample and tested buildings.

- The installer has provided a copy of CF-6R (Installation Certificate).
- New Distribution system is fully ducted (i.e., does not use building cavities as plenums or platform returns in lieu of ducts).
- New systems where cloth backed, rubber adhesive duct tape is installed, mastic and draw bands are used in combination with cloth backed, rubber adhesive duct tape to seal leaks at duct connections.

MINIMUM REQUIREMENTS FOR DUCT LEAKAGE REDUCTION COMPLIANCE CREDIT

Procedures for field verification and diagnostic testing of air distribution systems are available in RACM, Appendix RCA.3.

Duct Diagnostic Leakage Testing Results

NEW CONSTRUCTION:		Measured Values	
1	Duct Pressurization Test Results (CFM @ 25 Pa)		
1	Enter Tested Leakage Flow in CFM:	60	
2	Fan Flow: Calculated (Nominal: <input checked="" type="checkbox"/> Cooling <input type="checkbox"/> Heating) or <input type="checkbox"/> Measured	1000	<input checked="" type="checkbox"/> <input type="checkbox"/>
2	Enter Total Fan Flow in CFM:		
3	Pass if Leakage Percentage ≤ 6% [100 x [(60 (Line # 1) / 1000 (Line # 2))]]	6.0%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
ALTERATIONS: Duct System and/or HVAC Equipment Change-Out			
4	Enter Tested Leakage Flow in CFM from CF-6R: Pre-Test of Existing Duct System Prior to Duct System Alteration and/or Equipment Change-Out.		
5	Enter Tested Leakage Flow in CFM: Final Test of New Duct System or Altered Duct System for Duct System Alteration and/or Equipment Change-Out.		
6	Enter Reduction in Leakage for Altered Duct System [(Line # 4) Minus (Line # 5)] (Only if Applicable)		
7	Enter Tested Leakage Flow in CFM to Outside (Only if Applicable)		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
8	Entire New Duct System - Pass if Leakage Percentage ≤ 6% [100 x [(Line # 5) / (Line # 2)]]		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
TEST OR VERIFICATION STANDARDS: For Altered Duct System and/or HVAC Equipment Change-Out			
9	Use one of the following four Test or Verification Standards for compliance:		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
9	Pass if Leakage Percentage ≤ 15% [100 x [(Line # 5) / (Line # 2)]]		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
10	Pass if Leakage to Outside Percentage ≤ 10% [100 x [(Line # 7) / (Line # 2)]]		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
11	Pass if Leakage Reduction Percentage ≥ 60% [100 x [(Line # 6) / (Line # 4)]] and Verification by Smoke Test and Visual Inspection		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
12	Pass if Sealing of all Accessible Leaks and Verification by Smoke Test and Visual Inspection		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
	Pass if One of Lines # 9 through # 12 pass		<input type="checkbox"/> Pass <input type="checkbox"/> Fail



Job #
1000119

Installation Certificate

4700 Lang Avenue • McClellan, CA 95652

916.646.2222 • Contractor Lic. #162634

3727 Natrursity Way Sacramento, Ca 95834 Lot # 74 Plan # 1317

Site Address

Beazer/Nottingham

Permit Number

INSTALLER COMPLIANCE STATEMENT FOR DUCT LEAKAGE

Copies to: Builder, HERS Rater, Building Owner at Occupancy and Building Department

INSTALLER COMPLIANCE STATEMENT

The building was: Tested at Final Tested at Rough-in

INSTALLER VISUAL INSPECTION AT FINAL CONSTRUCTION STAGE:

- Remove at least one supply and one return register, and verify that the spaces between the register boot and the interior finishing wall are properly sealed.
- If the house rough-in duct leakage test was conducted without an air handler installed, inspect the connection points between the air handler and the supply and return plenums to verify that the connection points are properly sealed.
- Inspect all joints to ensure that no cloth backed rubber adhesive duct tape is used

DUCT LEAKAGE REDUCTION

Procedures for field verification and diagnostic testing of air distribution systems are available in RACM, Appendix RC4.3

NEW CONSTRUCTION:			
	Duct Pressurization Test Results (CFM @ 25 Pa)	Measured Values	
1	Enter Tested Leakage Flow in CFM:	60	
2	Fan Flow: Calculated (Nominal: <input checked="" type="checkbox"/> Cooling <input type="checkbox"/> Heating) or <input checked="" type="checkbox"/> Measured If Fan Flow is Calculated as 400 cfm/ton x number of tons or as 21.7 cfm/(kBtu/hr) x Heating Capacity in Thousands of Btu/hr, enter total calculated or measured fan flow in CFM here:	1000	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
3	Pass if Leakage Percentage ≤ 6% for Final or ≤ 4% at Rough-in: [100 x [(Line # 1) / (Line # 2)]]	6.0%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
ALTERATIONS: Duct System and/or HVAC Equipment Change-Out			
4	Enter Tested Leakage Flow in CFM from Pre-Test of Existing Duct System Prior to Duct System Alteration and/or Equipment Change-Out.		
5	Enter Tested Leakage Flow in CFM from Final Test of New Duct System or Altered Duct System for Duct System Alteration and/or Equipment Change-Out.		
6	Enter Reduction in Leakage for Altered Duct System [(Line # 4) Minus (Line # 5)] - (Only if Applicable)		
7	Enter Tested Leakage Flow in CFM to Outside (Only if Applicable)		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
8	Entire New Duct System - Pass if Leakage Percentage ≤ 6% for Final or ≤ 4% at Rough-in [100 x [(Line # 5) / (Line # 2)]]		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
TEST OR VERIFICATION STANDARDS: For Altered Duct System and/or HVAC Equipment Change-Out			
Use one of the following four Test or Verification Standards for compliance:			
9	Pass if Leakage Percentage ≤ 15% [100 x [(Line # 5) / (Line #)]]		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
10	Pass if Leakage to Outside Percentage ≤ 10% [100 x [(Line # 7) / (Line # 2)]]		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
11	Pass if Leakage Reduction Percentage ≥ 60% [100 x [(Line # 6) / (Line # 4)]] and Verification by Smoke Test and Visual Inspection		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
12	Pass if Sealing of all Accessible Leaks and Verification by Smoke Test and Visual Inspection		<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Pass if One of Lines # 9 through # 12 pass			<input type="checkbox"/> Pass <input type="checkbox"/> Fail

I, the undersigned, verify that the above diagnostic test results were performed in conformance with the requirements for compliance credit. I, the undersigned, also certify that the newly installed or retrofit Air-Distribution System Ducts, Plenums and Fans comply with Mandatory requirements specified in Section 150 (m) of the 2005 Building Energy Efficiency Standards

Signature

Date
7/6/06

Beutler

Installing Subcontractor (Co. Name) or
General Contractor (Co. Name)

0603311

1321 DUKE STREET, SUITE 303 • ALEXANDRIA, VA 22314 • (703) 739-0356

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

Block LOT # 74 TRACT # Washington
 STREET 3077 Napa Valley Way CITY Napa, CA 94558

EXTERIOR WALLS:

MANUFACTURER DA THICKNESS/TYPE 3/4 R-VALUE 13/19

CEILINGS:

BATTS:
 MANUFACTURER FG THICKNESS/TYPE 10 R-VALUE 30
 BLOWN IN:
 MANUFACTURER CT THICKNESS 12 R-VALUE 30

SQUARE FOOTAGE COVERED 726 NUMBER OF BAGS USED 15

FLOORS:
 MANUFACTURER _____ THICKNESS/TYPE _____ R-VALUE _____
 SLAB ON GRADE:
 MANUFACTURER _____ THICKNESS/TYPE _____ R-VALUE _____

WIDTH OF INSULATION _____ INCHES
 FOUNDATION WALLS:
 MANUFACTURER _____ THICKNESS/TYPE _____ R-VALUE _____

GENERAL CONTRACTOR _____
 CALIFORNIA CONTRACTORS LICENSE # _____ DATE _____

 SIGNATURE TITLE

INSULATION CONTRACTOR **ALCAL ARCADE CONTRACTING**
 CALIFORNIA CONTRACTORS LICENSE #015286
 NEVADA CONTRACTORS LICENSE #0055201 DATE 6/14/06

A. Alvarez / O.A. T. ...
 SIGNATURE TITLE