		Permit No: 0600648
Y OF SACRAMENTO	1	Insp Area: 4
I Street, Sacramento, CA 95814		Thos Bros: 277G7
	1 1 1 1	Sub-Type: RES Housing (Y/N): N
e Address: 1715 EL MONTE AV SAC		1
roeUNo. 275-008/-00/		ARCHITECT
OWNER DIOCESE OF SACRAME	NTO EDUCATION & W	ELFAN.
RK MECHANICAL 1715 EL MONTE AV	15	
		WORK FOR HVAC
CRAMENTO CA 95826 CRAMENTO CA 95826 CRAMENTO CA 95826	E, MINOR ELECT	W. Charles and Carlotte and Car
75 RAMONA AV CRAMENTO CA 95826 ature of Work: HVAC, C/O, SPLIT SYSTEM LIKE FOR LIK ONSTRUCTION LENDING AGENCY: 1 hereby affirm under penalty	in the state of th	construction lending agency for the performance of
ACENCY: I hereby affirm under penalty	of perjury that there is a	
ONSTRUCTION LENDING AGENCY. e work for which this permit is issued (Sec. 3097, Civ. C).	<u>;</u>	
a Work for Willell this Partie		
ender's Name	nder penalty of periury	hat I am licensed under provisions of Chapter 5
- A TION I hereby allulii u	ode and my license is in fi	of torce and effect.
commencing with section	Commence Signature	
225561 Date <u>L1-212</u>		
Cicense Class C30 License Number 335561 Date 118 O O OWNER-BUILDER DECLARATION: I hereby affirm under penalty of OWNER-BUILDER DECLARATION: I hereby affirm under penalty of county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city of Division 8 of the	f perjury that I am exemp	from the contractors License Law last and structure,
OWNER-BUILDER DECLARATION: 1 hereby with or county which r	equires a permit to consu	censed pursuant to the provisions of the Command the
OWNER-BUILDER DECLARATION: I hereby armony the reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city of county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; any city or county which reason (Sec. 7031.5, Business and Professions Code; and Profession (Sec. 7031.5, Business and Professions Code; and Pr	tatement that he or she is	Code) or that he or she is exempt therefrom and the
prior to its issuance, also requires the application 7000) of Division 8 of the	ant for a permit subjects	the applicant to a civil penalty of not more
License Law Chapter Any violation of Section 7031.3 57		ar offered for
basis for the anogue than basis for the anogue that the anogue the anogue that the anogue that the anogue that the anogu	do the	work, and the structure is not intended or offered to
lovees with wages as then sole	w does not apply to an ov	her of property who ounds of improves inclose, the party are not intended or offered for sale. If, however,
I, as a owner of the property, or my employees what sale (Sec. 7044, Business and Professional Code: The Contractors License La sale (Sec. 7044, Business and Professional Code: The Contractors License La who does such work himself or herself or through his/her own employees, pro who does not represent the building or improvement is sold within one year of completion, the owner-the building or improvement is sold within one year of completion.	vided that such improvem	en of proving that he/she did not build or improve for
who does such work in the order of completion, the order	· ,	·
the hilling of mibrosome		1 D. fracione l'Ode'
the purpose of sale.)	contractors to construct th	nd who contracts for such projects with a contractor(s)
the building or improvement is sold within one year or compared the purpose of sale.) I, as owner of the property, am exclusively contracting with licensed of the Contractors License Law does not apply to an owner of property who building the contractors of the Contractors License Law).	ids or improves thereon, a	Dain 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
The Contractors License Law does not apply to all ownerships to the Contractors License Law).	·	PAID
licensed pursuant to the pursu		SACRAMENTO
am exempt under Sec.		
Owner Signature		N 18 2006
IN ISSUING THIS BUILDING PERMIT, the applicant represents, and to measurements and locations shown on the application or accompanying dr measurement relating to permissible or prohibited locations for such in	the city relies on the repre	byement to be constructed does not violate any law or
IN ISSUING THIS BUILDING PERMIT, the applicant represents, and to measurements and locations shown on the application or accompanying drawate agreement relating to permissible or prohibited locations for such in private agreement or the violation of any private agreement relating to location of	awings and that the improvements. This	CHTY desart authorize any illegal location or any
maneurements and looming in a maneurement in the local solls for solution		
private agreement relating to location of any private agreement relating to location of	'	and state laws relating to
improvement of the	rect. I agree to comply WI	ned property for inspection purposes.
I certify that I have read this appropriation and learning the little construction and herby authorize representative(s) of this city to entitle construction and herby authorize representative(s) of this city to entitle construction and herby authorize representative(s) of this city to entitle construction and herby authorize representative(s) of this city to entitle construction.	i i	David MH 1).
building constitution and Signa	ture J. J. S. C. C.	10010
Date 1806 Applicant/Agent Signal	30.0	ry one of the following declarations:
WORKER'S COMPENSATION DECLARATION: I hereby aff I have and will maintain a certificate of consent to self-insure for which the permit is issued.	firm under penalty of perju	provided for by Section 3700 of the Labor Code, for the
WORKER'S COMPENSATION	WOINOIS COMPONICATION AS	Iranin in Alika Nasara na katawa 1995
I have and will maintain a certificate of contents performance of work for which the permit is issued. I have and will maintain workers' compensation insurance, as requ Mayorkers' compensation insurance carrier and pol	الم بنيان	e Labor Code, for the performance of the work for whic
compensation insurance, as requ	nited by Section 3700 of the	
I have and will maintain workers' compensation insurance, as requ this permit is issued. My workers' compensation insurance carrier and pol	icy number are:	Exp Date 10/01/2006
this permit is issued. Wy work	70677164	ibl Exp Date
그렇게 되었다. 그 사람들은 그는 그는 그는 그를 보고 있다. 그는 그를 보고 있다.	Only I	formance of the work for which this permit is issued, Ish
Carrier ACORD (This section need not be completed if the permit is for \$100 or less on the complex of the permit is for \$100 or less on the complex of the permit is for \$100 or less on the complex of the permit is for \$100 or less of the permi	is) I certify that in the per	California and agree that if I should become subject to
(This section need not be completed it the permitted to the wor	kers compensation laws qualiforthwith comply with	those provisions.
(This section need not be completed if the pertint is become subject to the wor not employ any person in any manner so as to become subject to the wor workers' compensation provisions of Section 3700 of the Labor Code, I st	hall forthwith comply with Mudd Da	vi MI /L
workers' compensation provisions	Surada la	AND SHALL SUBJECT AN EMPLOYER

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO WARNING: FAILURE TO SECURE WORKER'S COMPENSATION OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE. COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE. Date 1/18/06

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

001-185-818 78:20 3005'81 MAU

FAXED PERMIT APPLICATION (certain restrictions apply) Fax # 916-264-1901

JAN 1 7 2006
Faxed request must be received in this office by 3:00 p.m. to be processed the following work day.

Note: Contractors must have a current certificate of Worker's Compensation Insural A D Note: Work started before a Building Permit is issued will be subject to aud 647 OF SACRAMENTO

JOB ADDRESS: IN ORDER TO PROCESS THIS REQUEST, ALL THE FOLLOWING INFORMATION MUST PENROYIPED: RESIDENTIAL (1) APARTMENTS (++ units per fullilling) (1) COMMERCIAL (Minited)

NEW CITY HALL /4350. UNIT #

-> CONTACT PERSON: Linda	** CONTACT PHONE: 452-4154
Carholic	
Property Owner: Societanto Dioceae - St. Josephi	Contractor: park Mechanical, Inc. License # 335561
Address: 1715 El Monte avenue	Address: 7975 Ramona Avenue
City/State/Zip: See to CA 958/5	City/State/Zip: Sacramento, CA 95826
Phone:	Phone: 916-452-4154 FAX: 916-452-5557
NIATING OF DEOINGT. Indicate from the selections below & provide details under description of work.	wide details under description of work.
1	

NATURE OF REQUEST:	Indicate from the selecti	Indicate from the selections below & provide details unc	der description of work.	
REROOF (excluding tile)	NOTALLATIONS	WATER HEATER (residential ONLY)	MINOR ELECTRIC and/or	SAFETY INSPECTION
☐ TBAR-OFF ☐ RESHEET	(residential ONLY) CHANGE-OUT CI NEW	GAS CHERCTHIC	(residential ONLY) for HVAC	(Residential and single apartment units ONLY)
☐ HOUSE ☐ GARAGE	O Heat Pump O Package	Change-out	Blectric Service Change	
*	Split system	D Electric to Cas	# Births	COMSC
wsquares	C) Cut-in	C) New	O New electric circuits	0,000
	O Heat pump or elect.		O Re-wire	Urun
SIDING	(i) Wall furnace		O Water Service Replacement	
O wood	Olher (describe	THIMBIT NO TON YING	O Sewer Service Replacement	*NOTE:
	- 1	DAMAGE REPAIR		Correction stouce manie
O Hortz	Value of duct work::	(Describe locations below)	O Cas Line Replacement	will require an additional
Cleineco	Equipment: S		C) Re-plumb	building permit
	Cut-la: \$		O Water O Wash	
		Nuter		
Design lieview approval may be	Note: Note: approval may be	regulred in certila areas.		
required in certain areas.	required for rooftop units.	-		

DESCRIPTION OF WORK:

ASBESTOS-EXEMPT FROM DUCT LEAKAGE TEST

43BL3100 EXEIN	THE CHICAGO THE	resting (Page 1 of 8) CF-4R
CERTIFICATE OF FIELD VERIFICATION	N & DIAGNOSTIC	Builder or Installer Name
Project Address 1715 El Monte Ave		Park Mechanical
Builder or Installer Contact John McAlpine	Telephone 916 452-4154	Plan/Permit (Additions or Alterations) Number 0600648
	Telephone	Sample Group Number
HERS Rater Steve Vasa-CC2004262	916-682-8730	
		Climate Zone 12
Compliance Method (Prescriptive)	Date	Sample House Number
Certifying Signature	8/31/06	
Firm Capitol Energy Consultants		HERS Provider CalCerts
Capitol Energy Consultants		City/State/Zip: Sacramento CA 95864
Street Address: 1709 Adonis Way		Sacramento CA 3000.
Copies to: BUILDER, HERS PROVIDER AND BUIL	DING DEPARTMENT	
Cupies to, Della 227		

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 ducts are fully ducted (i.e., does not use building cavities as plenums or platform returns in lieu of ducts).

New ducts with 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 RC4.3.

Duct Diagnostic Leakage Testing Results

	t Diagnoste Betting			
NE	W CONSTRUCTION:	Measured		1
	Duct Pressurization Test Results (CFM @ 25 Pa)	Values		
1	Enter Tested Leakage Flow in CFM:			
2	Enter Tested Leakage Flow In C. 141. Fan Flow: Calculated (Nominal: ✓ □ Cooling ✓ □ Heating) or ✓ □ Measured		<u>√</u>	<u> </u>
3	Enter Total Fan Flow in CFM: Pass if Leakage Percentage < 6% [100 x [(Line # 1) /(Line # 2)]]		☐ Pass [I Fall
3	THE ATTIONICA Proof System and/or HVAC Equipment Change-Out			
4	Enter Tested Leakage Flow in CFM from CF-6R: Pre-Test of Existing Duct System 1160			
5	Enter Tested Leakage Flow in CFM: Final Test of New Duct System of Altered Duct System			
6	for Duct System Alteration and/or Equipment Change-Out. 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)		V	
H	Entire New Duct System - Pass if Leakage Percentage < 6%		☐ Pass	☐ Fail
8	[100 x [(Line # 5) / Line # 2)]] [100 x [(Line # 5) / Line # 2)]]	Change-Out	1	✓
			□ Pass	☐ Fail
9	Pass if Leakage Percentage < 15% [100 x] (Line # 3)7		 	
	Page if Leakage to Outside Percentage < 10% [100 x [(Line # 7) /(Line # 2)]]		LI Pass	Fail
1	Page if Leakage Reduction Percentage > 60% [100 x [(Line # 6) /(Line # 4)]]		☐ Pass	Fail
1				Fail
	and Verification by Smoke Test and Visual Inspection Pass if Sealing of all Accessible Leaks and Verification by Smoke Test and Visual Inspection Pass if One of Lines # 9 through # 12 pass		☐ Pass	s □ Fail
1				

Residential Compliance Forms

	CATION & DIAGNOSTIC	Builder Name		
oject Address 1715 El Monte Ave		Park Mechanical		
uilder Contact John McAlpine	Telephone 916 452-4154	Plan Number		
	Telephone	Sample Group Number		
ERS Rater Steve Vasa-CC200426	2 916-682-8730	Climate Zone 12		
ompliance Method (Prescriptive)	Date	Sample House Number		
ertifying Signature S Vane	8/31/06			
m Capitol Energy Consultants		HERS Provider CalCerts		
treet Address: 1709 Adonis Way		City/State/Zip: Sacramento CA 95864		
oies to: BUILDER, HERS PROVIDER AN	D BUILDING DEPARTMENT			
IERS RATER COMPLIANCE STA	TEMENT			
/67 - · · · / []	A paroved as part of sample testing	, but was not tested		
he house was: 🗸 🗵 Tested	Approved as parties I certify that	the house identified on this form complies wit		
s the HERS rater providing diagnostic testing	as checked on this form.	t the house identified on this form complies wit		
the diagnostic tested compliance requirements The installer has provided a copy of CF	-6R (Installation Certificate).			
I he installer has provided a copy of		and the second s		
✓ X THERMOSTATIC EXPANSION VA	LVE (TXV)			
✓ IX THERMOSTATIC EXPANSION VA Procedures for field verification of thermostate	ic expansion valves are available i	n RACM, Appendix RI.		
rocedures for field verification of thermosia.				
		√ ✓		
Access is provided for inspection. The procedure shall consist of				
/ Voc No visual verificat	ion that the TXV is installed on the	System and D		
installation of	the specific equipment shall be veri	ned.		
		Yes is a pass Pass Fail		
✓ ☐ REFRIGERANT CHARGE MEASU	JREMENT			
	Cooling Sy	At The restatio Expansion Valves		
		STANCE UNITABLE I DETERMINATE L'ADMIDIQUE Y MITTE		
Verification for Required Refrigerant Charge	for Split System Space Cooling Sy	stems without Thermostatic Expansion Varves		
Verification for Required Refrigerant Charge Outdoor Unit Serial #	for Split System Space Cooling Sy	stems without Thermostatic Expansion Valves		
Outdoor Unit Serial #	for Split System Space Cooling Sy	stems without Thermostatic Expansion Valves		
Outdoor Unit Serial # Location	for Split System Space Cooling Sy	stems without Thermostatic Expansion varves		
Outdoor Unit Serial # Location Outdoor Unit Make	for Split System Space Cooling Sy	stems without Thermostate Expansion varves		
Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model	for Split System Space Cooling Sy	stems without Thermostatic Expansion varves		
Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model Cooling Capacity	Btu/hr			
Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model Cooling Capacity Date of Verification	Btu/hr (must be chec	cked monthly)		
Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model Cooling Capacity Date of Verification Date of Refrigerant Gauge Calibration	Btu/hr (must be chec			
Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model Cooling Capacity Date of Verification	Btu/hr (must be chec	cked monthly)		
Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model Cooling Capacity Date of Verification Date of Refrigerant Gauge Calibration Date of Thermocouple Calibration	Btu/hr (must be chee (must be chee	cked monthly)		
Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model Cooling Capacity Date of Verification Date of Refrigerant Gauge Calibration Date of Thermocouple Calibration	Btu/hr (must be check (must be check the manual the manual)	cked monthly) cked monthly) Facturer's specifications and installer verification		
Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model Cooling Capacity Date of Verification Date of Refrigerant Gauge Calibration Date of Thermocouple Calibration Standard Charge Measurement (outdo	Btu/hr (must be checked) (must be checked) bulb 5 °F	cked monthly)		
Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model Cooling Capacity Date of Verification Date of Refrigerant Gauge Calibration Date of Thermocouple Calibration Standard Charge Measurement (outdo	Btu/hr (must be check (must be check the manual the manual)	cked monthly) cked monthly) Facturer's specifications and installer verification		

✓ ☐ Yes ☐ No A copy of CF-6R (Installation Certificate) has been provided with refrigerant charge measurement documented.

Residential Compliance Forms

SYSTEM PASSES

April 2005

1	CEDEWIC ATE	(Page 3 of 12) CF-6R
١	INSTALLATION CERTIFICATE	Permit Number 0600648
1	Site Address 1715 El Monte Ave	0600648
	1/13 El Monte Ave	

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).

HVAC SYSTEMS: Heating Equipment

Equip Type (pkg. heat pump) split-furnace	CEC Certified Mfr. Name and Model Number Lennox	# of Identical Systems	Efficiency (AFUE, etc.)¹ (≥CF-1R value) 94%	Duct Location (attic, etc.)	Duct or Piping R-value	Heating Load (Btu/hr)	Heating Capacity (Btu/hr)
	G61MPV-60C-090						

Cooling Equipment

Equip Type (pkg. heat pump)	CFC Certified Mfr. Name and Model Number	# of Identical Systems	Efficiency (SEER or EER) (>CF-1R value)	Duct Location (attic, etc.)	Duct R-value	Cooling Load (Btu/hr)	Cooling Capacity (Btu/hr)
split-a/c	Lennox	1	14/12	Attic	R-4.2		5 TON
	XC13-060						<u> </u>
		•					

symbol reads greater than or equal to what is indicated on the CF-1R value.
 Include both SEER and EER if compliance credit for high EER air conditioner is claimed.

✓ ☑I 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.

Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner	Park Mechanical	
Signature: SZ.	Date: 1/15/06	

Copies to: BUILDING DEPARTMENT, HERS RATER (IF APPLICABLE) BUILDING OWNER AT OCCUPANCY

ASBESTOS-EXEMPT FROM DUCT LEAKAGE TEST

INSTALLATION CERTIFICATE	(Page 4 of 12) CF-6R
Site Address 1715 El Monte Ave	Permit Number 0600648

NS	TALLER COMPLIANCE STATEMENT FOR DUC	T LEAI	KAGE		
The b	ALLER COMPLIANCE STATEMENT uilding was: ✓ ☑ Tested at Rough-in				•
X Re wa □ If ain □ Ins	ALLER VISUAL INSPECTION AT FINAL CONSTRUCTION STAGE FOR Nemove at least one supply and one return register, and verify that the spaces between all are properly sealed. The house rough-in duct leakage test was conducted without an air handler installed, a handler and the supply and return plenums to verify that the connection points are properties all joints to ensure that no cloth backed rubber adhesive duct tape is used on new additional properties. DUCT LEAKAGE REDUCTION redures for field verification and diagnostic testing of air distribution systems are as	inspect the c roperly seale w ducts.	onnection poi	nts between the	
NEV	V CONSTRUCTION:				_
	Duct Pressurization Test Results (CFM @ 25 Pa)		Measured Values		
1	Enter Tested Leakage Flow in CFM:				
2	Fan Flow: Calculated (Nominal: ✓ 🖾 Cooling ✓ 🗆 Heating) or ✓ 🗖 Measured If Fan Flow is Calculated as 400 cfm/ton x number of tons or as 21.7 cfm/(kBtu/hr) Canacity in Thousands of Btu/hr, enter total calculated or measured fan flow in CFN	<u> 1 here:</u>	2000	1 1	
3	Pass if Leakage Percentage < 6% for Final or < 4% at Rough-in without air handle: [100 x [(Line # 1) / (Line # 2)]]			☐ Pass ☐ Fail	
LIA	ERATIONS: Duct System and/or HVAC Equipment Change-Out				
4	Enter Tested Leakage Flow in CFM from Pre-Test of Existing Duct System Prior to System Alteration and/or Equipment Change-Out.				
5	Enter Tested Leakage Flow in CFM from Final Test of New Duct System or Altere System for Duct System Alteration and/or Equipment Change-Out.	d Duct		and the second s	
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)			✓ ✓	
8	Entire New Duct System - Pass if Leakage Percentage < 6% for Final.			□ Pass □ Fa	il
TES	TOR VERIFICATION STANDARDS: For Altered Duct System and/or HVAC	Equipmen	t Change-	✓ ✓	
Out	Use one of the following four Test or Verification Standards for compliance:	2)]]		☐ Pass ☐ Fa	
9	Pass if Leakage Percentage < 15% [100 x [(Line # 5) /(Line #				
10	Pass if Leakage to Outside Percentage < 10% [100 x [(Line # 7) /			□ Pass □ F	ail
11	Pass if Leakage Reduction Percentage > 60% [100 x [(Line # 6) / and Verification by Smoke Test and Visual Inspection			□ Pass □ Fa	
12	Pass if Sealing of all Accessible Leaks and Verification by Smoke Test and Visual	Inspection		Pass F	
	Pass if One of Lines #9 throug	h # 12 pass	<u> </u>	Pass F	
cred	I, the undersigned, verify that the above diagnostic test results were performed in conit. I, the undersigned, also certify that the newly installed or retrofit Air-Distribution datory requirements specified in Section 150 (m) of the 2005 Building Energy Efficient	System Duct	s, Plenums an	ments for comply of Fans comply	with
Inst	alling Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner	ark Mechani	cal		
Sign	nature: SZSQ	Date: 1/1	5/06		
Com	ies to: BUILDING DEPARTMENT. HERS RATER (IF APPLICABLE) BUILDING OV	VNER AT OC	CCUPANCY		

Residential Compliance Forms

	ION CE	RTIFICATE			<u>(1</u>	age 5	of 12) CF-6R
ite Address 17	15 El M	onte Ave			Permit N	lumber	0600648
THERM	OSTATIC eld verifica	EXPANSION V	ALVE (TXV) tic expansion valves are ava	ilable in RACN	1, Append √	dix RI. ✓	
✓ X Yes	□ No	consist of visu	ided for inspection. The proceed verification that the TXV installation of the specific edd.	s installed on	×		
				Yes is a pass	Pass	Fail	
Outdoor Unit S Location Outdoor Unit S Cooling Capaci	Make Model	n	Btu/hr				-
Date of Verific							
Date of Refrig				e checked mo			
C75	ocouple Ca	alibration	(must l	e checked mo	nthly)		
		. —	741	. L. M. EEOT	and at	A	
Standard Ch redures for Dete Note: The syster procedure. sured Temperat	arge Me rmining Re n should be ures	frigerant Charge installed and ch	rocedure (outdoor air die using the Standard Method arged in accordance with the	are available i	n RACM	, Appendations b	dix RD2. pefore starting this
Standard Ch cedures for Dete Note: The syster procedure. asured Temperat Supply (evapor	arge Me rmining Re n should be ures orator leavi	frigerant Charge installed and change ng) air dry-bulb t	eusing the Standard Method arged in accordance with the emperature (Tsupply, db)	are available i	n RACM	Appendentions b	dix RD2. perfore starting this
Standard Ch cedures for Dete Note: The system procedure. asured Temperat Supply (evapor Return (evapor	arge Me rmining Re n should be ures orator leavin	frigerant Charge installed and change ing) air dry-bulb t ing) air dry-bulb	eusing the Standard Method arged in accordance with the emperature (Tsupply, db) temperature (Treturn, db)	are available i	n RACM	oF	dix RD2. perfore starting this
Standard Ch redures for Dete Note: The system rocedure. sured Temperat Supply (evapo Return (evapo Return (evapo	arge Me rmining Re n should be ures orator leavin	installed and change installed and change ing) air dry-bulb tag) air dry-bulb ing) air wet-bulb	eusing the Standard Method arged in accordance with the emperature (Tsupply, db) temperature (Treturn, db) temperature (Treturn, wb)	are available i	n RACM	°F °F °F	dix RD2. perfore starting this
Standard Ch sedures for Dete Note: The system procedure. sured Temperat Supply (evapor Return (evapor Evaporator sa	arge Me rmining Re n should be ures prator leaving rator enteriorator enteriorator tenteriorator tenterioratoratoratoratoratoratoratoratoratorat	installed and change installed and change ing) air dry-bulb ting) air dry-bulb ing) air wet-bulb ing) air wet-bulb	eusing the Standard Method arged in accordance with the emperature (Tsupply, db) temperature (Treturn, db) temperature (Treturn, wb)	are available i	n RACM	°F °F °F °F	dix RD2. perfore starting this
Standard Ch cedures for Dete Note: The system procedure. sured Temperat Supply (evapor Return (evapor Return (evapor Evaporator sa Suction line to	arge Me rmining Re n should be ures orator leavin orator enteri turation ten emperature	installed and change installed and change air dry-bulb ting) air dry-bulb ing) air wet-bulb inperature (Tevap (Tsuction, db)	eusing the Standard Method arged in accordance with the emperature (Tsupply, db) temperature (Treturn, db) temperature (Treturn, wb) orator, sat)	are available i	n RACM	°F °F °F	dix RD2. perfore starting this
Standard Checedures for Dete Note: The system procedure. sured Temperat Supply (evaporator (evaporator sa Suction line to Condenser (et	arge Me rmining Re n should be ures orator leavin orator enteriorator enteriorator ten emperature intering) air	installed and change installed	eusing the Standard Method arged in accordance with the emperature (Tsupply, db) temperature (Treturn, db) temperature (Treturn, wb) orator, sat)	are available i	n RACM	°F °F °F °F	dix RD2. perfore starting this
Standard Ch cedures for Dete Note: The syster procedure. sured Temperat Supply (evapor Return (evapor Evaporator sa Suction line to Condenser (et	arge Me rmining Re n should be ures prator leaving rator entering rator entering turation ten emperature ntering) air	installed and change installed and change air dry-bulb ting) air dry-bulb ing) air wet-bulb inperature (Tevap (Tsuction, db)	eusing the Standard Method arged in accordance with the emperature (Tsupply, db) temperature (Treturn, db) temperature (Treturn, wb) orator, sat)	are available i	n RACM	°F °F °F	dix RD2. perfore starting this
Standard Cheedures for Determine The system or occdure. Sured Temperat Supply (evapor Return (evapor Evaporator sa Suction line to Condenser (et	arge Me rmining Re n should be ures prator leavin rator enteriorator enteriorator ten emperature ntering) air ge Method oneat = Tsuc	installed and change installed installe	eusing the Standard Method arged in accordance with the emperature (Tsupply, db) temperature (Treturn, db) temperature (Treturn, wb) orator, sat)	are available i	n RACM	°F °F °F °F °F	dix RD2. perfore starting this

Actual Temperature Split = T return, db Tsupply, db

Actual Temperature Split Target Temperature Split (System passes if between - 3°F and +3°F or, upon remeasurement, if between -3°F and -100°F)

Target Temperature Split (from Table RD3)

INSTALLATION CERTIFICATE		(Page	e 6 of 12) CF-6R
Site Address 1715 El Monte Ave		Permit Numb	^{oer} 0600648
Standard Charge Measurement Summary: System shall pass both refrigerant charge and a measurements. If corrective actions were taken	dequate airflow calculati , both criteria must be ren	on criteria from the s neasured and recalcu	ame lated.
✓ ☐ Yes ☐ No System Passes			
Alternate Charge Measurement Procedure (Note: The system should be installed and charged in according to the Standard Charge Measure Procedure: Procedures for Determining Refrigerant Charge using to Weigh-In Charging Method for Refrigerant Charge	ordance with the manuta ng this procedure. If out	door air dry-bulb is 5	J 1 of above, historica
Actual liquid line length:		ft	
Manufacturer's Standard liquid line length:		ft	
Difference (Actual – Standard):		ft	
Manufacturer's correction (ounces per foot)	x difference in length = (1-ext) (-= remove)	ounces	
Measured Airflow Method for Adequate Air pw eriff Calculated Airflow: Cooling Capacity (Bturn)	A consist (cfm/Btu-hr) =	и, Аррении назг.о	CFM
Measured Airflow isCFM (Measured air			ow).
Alternate Charge Measurement Summary: System shall pass both refrigerant charge and adeq corrective actions were taken, both criteria must be Y D Yes D No System Passes	uate airflow calculation of remeasured and recalcul	criteria from the same	e measurements. If
Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner	Park Mechanical		<u> </u>
Signature:	Date: 1/15/06		

Copies to: BUILDING DEPARTMENT, HERS RATER (IF APPLICABLE) BUILDING OWNER AT OCCUPANCY

(Page 6 of 12) CF-6R

IN	STA	LL	ATIC)N C	ERI	TIFICATE			(Page	8 of 12) CF-6R
Site	Addı	ess	171	5 El	Mor	nte Ave		Permi	t Numbe	0600648
								ļ		
Pro	cedur	es fo		suring	g the a		e available in RACM, Appendix	RE3.2.		
✓		lod 1				aw Measurement				
_			RE3			ble Watt Meter Measur				
-			RE3.	.2.2	Onn	ty Revenue Meter Meas	urement			
							Measured Fan Watt Draw			Watts
				Mo	easure	d Fan Flow (enter total				cfm
-						n	lts of Watts/cfm	√	✓	Watts/cfm
~	′ 🗆 Y	es		No		sured far vatt/cf drawatt/cfm aw do am h	is count to conserve than the			
					IIII V		Yes is a pass	Pass	Fail	
	—	\ F ~	NET 4		ARR C					a nga akapitanki inik mi ^{ng} akita akami anama akkama andi Maria
		_	-			W VERIFICATION airflow are available in	RACM, Appendix RE3.1.			
						perement]		
<u> </u>			RE4.			nostic Fan Flow Using	Flow Capture Hood	1		
-			RE4.				Plenum Pressure Matching			
			RE4.				Flow Grid Measurement	1		
	☐ Ye	s				t design exists on plans		1		
							Measured Airflow:			Total cfm
							Rated Tons cfm/ton			cfm/ton
										•
1	□ Y	es	□ N ₁	0	Mea	sured airflow is greater	than the criteria in Table RE-2	✓	✓	1
							Yes is a pass	Pass	🔲 Fail	
_					J.,					
						G CAPACITY				
Pro	ocedur	es fo	or dete	rmini	ng ma	ximum cooling and su			<i>RF3</i> .	
1	✓		Yes		No	Adequate airflow veri	fied (see adequate airflow credit))		
2	1		Yes		No	Refrigerant charge or	TXV			
3	✓		Yes		No	Duct leakage reduction	n credit verified			
4	1		Yes		No		installed systems are ≤ to maxim the Performance's CF-1R and R		ling	
		1			.	If the cooling capacitie	es of installed systems are > than	maxim	ıum	✓ ✓
5	✓ :		Yes		No		e CF-1R, then the electrical input the ≤ to electrical input in the Cl		· [
							to 1, 2, and 3; and Yes to either		a pass	Pass Fail
	7	CIT	FFD	AID /	TANKIN	ITIONER			· - · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , ,
-						available in RACM, Ap	nendir RI			
$\frac{rra}{1}$	veau.		Yes		No No		d systems match the CF-1R			
2	1		Yes		No		or coil is matched to outdoor coil	<u> </u>	Т	7 7
3	1		Yes			Time Delay Relay Ver		<u> </u>		
	ļ. <u>.</u>		1 63	1 1	iU		Yes to 1 and 2; and 3 (If Require	ed) is a		Pass Fail
<u></u>	Yan - 4 - 12		C1		(C					
						. Name) OR General Owner	Park Mechanical			
	Signat	ure:		 ≤≉-	يح.	Z_	Date: 1/15/06			
Col	pies to:	BU	ILDIN	G DE	PART	MENT, HERS RATER (IF APPLICABLE) BUILDING O	WNER	AT OCC	CUPANCY

		F. COLVER		RESIDENT	1771	age 1 of 5)	CF-1R
Š	aint Jo			Date 1/1/06		Building Permit # 060064	8
roject Address	1715 El l	Monte Av	е				
	Sacramer	nto, CA 95	315			Plan Check / Date	
ocumentation .	Author Joh	nn McA	lpine	Telephone 916 452		Field Check / Date	2
Compliance Me	thod (Prescrip	tive)		Climate Zone	12	Enforcement Age	ncy Use Only
(If addin for Addi	ed Floor Area g Height: 8 ces be: (check one g fenestration tions and 8.3.2	ft or more) fill-out WS-4 for Alteratio	Single Famil R, Fenestration ns in the RCM.	a fl² (from '	WS-4R)	et and see Section (ion 3.3.2
NumbFloorFrontfrom 3	er of Stories: Construction Orientation: True North and	Type:Ni nu l d circle one).	mber of Dwelli Slab/Raise North / South / E	74 <u>wa</u> 1	or both)		n d egree s
 Numb Floor Front from 7 	er of Stories: Construction Orientation: True North and	Type: nu 1 d circle one). k (check box i	mber of Dwelli Slab/Raise North / South / E	ing Units: d Floor (circle one cast / West : All Original Control	or both) entations (input		n degrees
 Numb Floor Front from 7 	er of Stories: Construction Orientation: True North and	Type: nu 1 d circle one). k (check box i	mber of Dwelli Slab/Raise North / South / E	ing Units: d Floor (circle one cast / West : All Orionate zones 2, 4, 8-1:	or both) entations (input		Location Comments (attic, garage
• Numb • Floor • Front from 7 RADIAN7 OPAQUE Component Type (Wall, Roof, Floor, Slab Edge,	er of Stories: Construction: Orientation: True North and F BARRIER SURFAC Frame Type (Wood or	Type: No Type:	mber of Dwelli Slab/Raise North / South / E frequired in cli UDING OF Continuous Insulation	ing Units: ad Floor (circle one of East / West : All Orion mate zones 2, 4, 8-1: PAQUE DOOR Assembly U- factor (for wood, metal frame and mass	Joint Appendix IV	Roof Radiant Barrier Installed ²	Location
• Numb • Floor • Front from RADIAN OPAQUE Component Type (Wall, Roof, Floor, Slab Edge,	er of Stories: Construction: Orientation: True North and F BARRIER SURFAC Frame Type (Wood or	Type: No Type:	mber of Dwelli Slab/Raise North / South / E frequired in cli UDING OF Continuous Insulation	ing Units: ad Floor (circle one of East / West : All Orion mate zones 2, 4, 8-1: PAQUE DOOR Assembly U- factor (for wood, metal frame and mass	Joint Appendix IV	Roof Radiant Barrier Installed ²	Location Comments (attic, garage

Residential Compliance Forms

CERTIFICATE OF COMPLIANCE: RESIDENTIAL	(Page 2 of 5)	CF-1R
Project Title		Date
Saint Josephs	1/1/06	

FENESTRATION PRODUCTS - U-FACTOR AND SHGC

✓ ☐ FENESTRATION MAXIMUM ALLOWED AREA WORKSHEET WS-4R – must be included for New Construction, Additions, and Alterations.

Orien- tation, N, S, E, W ¹	Area (ft²)	U-factor ²	U-factor Source ³	SHGC⁴	SHGC Source ⁵	Exterior Shading/Overhangs ^{6,7} ✓ box if WS-3R is included
	4			·		
	tation,	tation, Area	tation, Area N, S, E, W ¹ (ft ²) U-factor ²	tation, Area U-factor Source ³	tation, Area U-factor Source ³ SHGC ⁴	tation, N, S, E, W ¹ (ft ²) U-factor ² Source ³ SHGC ⁴ Source ⁵

- 1) Skylights are now included in West-racing fenestration area if the skylights are tilted to the west or tilted in any direction when the pitch is less than 1:12. See §151(f)3C and in Section 3.2.3 of the Residential Manual.
- 2) Enter values in this column from either NFRC Certified Label or from Standards Default Table 116-A.
- 3) Indicate source either from NFRC or Table 116-A,
- 4) Enter values in this column from NFRC or from Standards Default Table 116B or adjusted SHGC from WS-3R.
- 5) Indicate source either from NFRC, Table 116B or WS-3R
- 6) Shading Devices are defined in Table 3-3 in the Residential Manual and see WS-3R to calculate Exterior Shading devices.
- 7) See Section 3.2.4 in the Residential Manual.

HVAC SYSTEMS

Heating Equipment Type and Capacity (furnace, heat pump, boiler, etc.) FURNACE	Minimum Efficiency (AFUE or HSPF)	Distribution Type and Location (ducts, attic, etc.) Attic	Duct or Piping R-Value	Thermostat Type	Configuration (split or package)

Cooling Equipment Type and Capacity (A/C, heat pump, evap. cooling)	Minimum Efficiency (SEER or EER)	Distribution Type and Location (ducts, attic, etc.)	Duct or Piping R-Value	Thermostat Type	Configuration (split or package)
A/C	14/12	Attic	R-4.2	setback	split
	, ,				
······································					·

ephs TS and TXVs (a) Form must be possible to the strength of	or Alternative Merovided to the build ate zones) (Installed ble (climate zones) ertification and HI limate zones 2 and Ducts and Refriger in the RM Appending space condition rations, duct systemion and diagnostic for than 40 linear for than 40 linear for the result of	asures) ding department r testing and cer 2 and 8-15 only) CRS Rater field v 8-15 only) (Inst ant Charge /TX ix B Table 151-	for each hostification and overification raller testing	me for which d HERS rater required.) and certificat	field verification	are required)
Form must be particular form form must be particular form form form form form form form for	ate zones) (Installe ble (climate zones ertification and HI limate zones 2 and Ducts and Refriger in the RM Appending space condition rations, duct systemion and diagnostic	r testing and cer 2 and 8-15 only) ERS Rater field v 8-15 only) (Inst ant Charge /TX ix B Table 151-	tification and verification raller testing	d HERS rater required.) and certificat	the following field verification and HERS	are required)
Form must be particular form form must be particular form form form form form form form for	ate zones) (Installe ble (climate zones ertification and HI limate zones 2 and Ducts and Refriger in the RM Appending space condition rations, duct systemion and diagnostic	r testing and cer 2 and 8-15 only) ERS Rater field v 8-15 only) (Inst ant Charge /TX ix B Table 151-	tification and verification raller testing	d HERS rater required.) and certificat	field verification	ion required	.)
i Ducts (all clima, readily accessiller testing and exerant Charge (of cation required.) native to Sealed I of Climate Zone acts installed. ducts from existing the field verificate systems with mo	ate zones) (Installe ble (climate zones ertification and HF limate zones 2 and Ducts and Refriger in the RM Append ing space condition rations, duct syster	r testing and cer 2 and 8-15 only) CRS Rater field v 8-15 only) (Instant Charge /TX ix B Table 151-	tification and verification raller testing	d HERS rater required.) and certificat	field verification	ion required)
, readily accessil ller testing and e gerant Charge (of cation required.) native to Sealed I et Climate Zone acts installed. ducts from existi- dditions and alter gh field verificat systems with mo	ble (climate zones ertification and HE imate zones 2 and Ducts and Refriger in the RM Appending space condition rations, duct systemion and diagnostic pand diagnostic.	2 and 8-15 only) RS Rater field v 8-15 only) (Instant Charge /TX) ix B Table 151-	yerification raller testing	equired.) and certificat	ion and HERS	Rater field	
, readily accessil ller testing and e gerant Charge (of cation required.) native to Sealed I et Climate Zone acts installed. ducts from existi- dditions and alter gh field verificat systems with mo	ble (climate zones ertification and HE imate zones 2 and Ducts and Refriger in the RM Appending space condition rations, duct systemion and diagnostic pand diagnostic.	2 and 8-15 only) RS Rater field v 8-15 only) (Instant Charge /TX) ix B Table 151-	yerification raller testing	equired.) and certificat	ion and HERS	Rater field	
ller testing and egerant Charge (of cation required.) native to Sealed I of Climate Zone lets installed. ducts from existing the field verificate systems with mo	ertification and HI imate zones 2 and Ducts and Refriger in the RM Append ng space condition rations, duct syster	RS Rater field v 8-15 only) (Instant Charge /TX) ix B Table 151-	verification raller testing	and certificat			
native to Sealed Int Climate Zone acts installed. ducts from existing the field verificate systems with mo	Ducts and Refriger in the RM Append ng space condition rations, duct syster	ant Charge /TX' ix B Table 151-	Vs (See Pacl	cage D Altern			
native to Sealed I et Climate Zone acts installed. ducts from existi dditions and alter gh field verificat systems with mo	ng space condition rations, duct syster	ix B Table 151-	Vs (See Pack C, Footnotes	cage D Altern 7-14.	ative Package	Features for	
et Climate Zone acts installed. ducts from existi dditions and alter gh field verificat systems with mo	ng space condition rations, duct syster	ix B Table 151-	Vs (See Pack C, Footnotes	cage D Altern 7-14.	ative Package	Features for	
et Climate Zone acts installed. ducts from existi dditions and alter gh field verificat systems with mo	ng space condition rations, duct syster	ix B Table 151-	C, Footnotes	7-14.			
ucts installed. ducts from existi dditions and alter gh field verificat systems with mo	ng space condition	ing equipment.					
ducts from existing diditions and alter gh field verificate systems with mo	rations, duct system	ing equipment,					
dditions and alter gh field verificat systems with mo	rations, duct system	ng equipment, i		a 400 in lan	oth		
gh field verificat systems with mo	ion and disonostic		ocumented to	o have been t	reviously seal	ed as confir	ned
systems with mo	re than 40 linear fo	testing in accord	dance with p	rocedures in	the Kesidentia	I ACM Man	uai.
uct insulation re		eet in unconditio	ned spaces s	shall meet the	requirements	of Section 1	50(m)
	quirements of Pack	age D.	,				
THAT CHECK TO BE	re						
k box if system r	neets criteria of a '	'Standard" syste	m. Standard	l system is or	e gas-fired wa	ater heater pe	r dwelling
If the water heat	ter is a storage type	e. 50 gallons is th	he maximun	n capacity and	i recirculation	system is no	t allowed.
k hox when using	g Preapproved Alte	emative Water F	leating table	, Table 5-4 ii	Chapter 5 in	the Resident	ıaı
ial. No water her	ating calculations a	re required, and	" system an	d does not co	mply with the	Preapproved	I
k box II system c native Water He	ating table. In this	case, the Perfor	mance Meth	od must be u	sed and must	be included i	n the
ittal							
k box to verify t	hat a time control i	s required for a	recirculating	system pum	p for a system	serving mul	nple units
ing single dwel	lling units (See R	M Table 5-4, Alter	mative Water	Heating Syste	Energy	tion requirem	Tank
			Rated	Tonk			External
Heater	bution	N			Thermal	Standby ³	Insulation
	be 1	in system	Btu/hr)	(gallons)	Efficiency	Loss (%)	R-Value
				 		-	
ltinle du	valling units (See	Pecidential Manu	al Section 5.3	(3)	l		
ng murupie u	vening units (see	Residential telling		Ĭ	Energy		Tank
				Tank	Factor or		External
r Heater	Distribution	Number	(kW or	Capacity	Thermal		Insulation
уре	Type	in System	Btu/hr)	(gailons)	Efficiency	Loss (%)	R-Value
					-		
,	<u> </u>		<u> </u>				
as storage water he	eaters (rated inputs o	f less than or equa	l to 75,000 B	tu/hr), electric	resistance, and	heat pump wa	er heaters, l
tor For large gas	storage water heater:	: (rated input of gr	reater than 75.	,000 Btu/hr), 11	st Kated Input, 1	kecovery Effi	ciency, Thei
and Standby Loss.	For instantaneous ga	is water neaters, li	st kated inpu	iang inermal	emerches.		
	. ~ 9/4 tauti - N A	11 hatt	n from the L	antina anuesa	to the bitcher	G	
	If the water heater ke box if system to the water heater h	If the water heater is a storage type is box when using Preapproved Altual. No water heating calculations a is box if system does not meet crite rnative Water Heating table. In this nittal. In this nittal. In this nittal. In the control is ing single dwelling units (See Refer Heater Fuel Type The Heater Distribution Type Type Type Type Type Tass storage water heaters (rated inputs of ctor. For large gas storage water heaters and Standby Loss, For instantaneous gas and Standb	If the water heater is a storage type, 50 gallons is the known water heater is a storage type, 50 gallons is the known water heating calculations are required, and the known if system does not meet criteria of "Standard mative Water Heating table. In this case, the Performittal. The known to verify that a time control is required for a single dwelling units (See RM Table 5-4, Alter Fuel Type The property of the control is required for a single dwelling units (See Residential Manuform Heater Fuel Type T	If the water heater is a storage type, 50 gallons is the maximum is box when using Preapproved Alternative Water Heating table ual. No water heating calculations are required, and the system of the box if system does not meet criteria of "Standard" system, and the system of the box if system does not meet criteria of "Standard" system, and the system of the box to verify that a time control is required for a recirculating single dwelling units (See RM Table 5-4, Alternative Water Heater Fuel Type The property of the system of t	If the water heater is a storage type, 50 gallons is the maximum capacity and sk box when using Preapproved Alternative Water Heating table, Table 5-4 in ual. No water heating calculations are required, and the system complies autook box if system does not meet criteria of "Standard" system, and does not comative Water Heating table. In this case, the Performance Method must be unital. Sek box to verify that a time control is required for a recirculating system puming single dwelling units (See RM Table 5-4, Alternative Water Heating System Fuel Type Tank Capacity (kW or Bau/hr) Tank Capacity (gallons) Tank Capacity (gallons) Tank Capacity (gallons) Tank Capacity (gallons) Tank Capacity (gallons)	If the water heater is a storage type, 50 gallons is the maximum capacity and recirculation is the water heater is a storage type, 50 gallons is the maximum capacity and recirculation is the water heating table, Table 5-4 in Chapter 5 in usel. No water heating calculations are required, and the system complies automatically. It is box if system does not meet criteria of "Standard" system, and does not comply with the mative Water Heating table. In this case, the Performance Method must be used and must instal. In this case, the Performance Method must be used and must instal. In this case, the Performance Method must be used and must instal. In this case, the Performance Method must be used and must instal. In this case, the Performance Method must be used and must instal. It is a storage water heater in the system of the system o	If the water heater is a storage type, 50 gallons is the maximum capacity and recirculation system is no is how when using Preapproved Alternative Water Heating table, Table 5-4 in Chapter 5 in the Resident ual. No water heating calculations are required, and the system complies automatically. It is box if system does not meet criteria of "Standard" system, and does not comply with the Preapproved renative Water Heating table. In this case, the Performance Method must be used and must be included in nittal. In this case, the Performance Method must be used and must be included in nittal. In this case, the Performance Method must be used and must be included in nittal. In this case, the Performance Method must be used and must be included in nittal. In this case, the Performance Method must be used and must be included in nittal. In the water Heating system pump for a system serving multing single dwelling units (See RM Table 5-4, Alternative Water Heating Systems for recirculation requirem Rated Input Tank (kW or Capacity (gallons) Energy Factor or Thermal Efficiency Loss (%) In the water Heating System Storage water heaters (rated inputs of less than or equal to 75,000 Btu/hr), electric resistance, and heat pump water leading system heaters (rated input of greater than 75,000 Btu/hr), list Rated Input, Recovery Efficance and Standby Loss. For instantaneous gas water heaters, list Rated Input and Thermal Efficiencies.

CERTIFICATE OF COMPLIANCE: RESIDENTIAL	(Page 4 of 5)	CF-1R
Project Title	Date	
Saint Josephs	1/1/06	

SPECIAL FEATURES REQUIRING BUILDING OFFICAL or HERS RATER VERIFICATION
Indicate which special features are parts of this project. The list below only represents special features relevant to the prescriptive method.
(Check Applicable bayes)

(Cneck Applica	idie doxes)			
Category	Building Official Verification of Special Features	HERS Rater Verification	HERS Rater Diagnostic Testing	Measure
Ducts	<u> </u>	J.,,		
	Υ			100% of ducts in crawlspace/basement
		Y	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Buried ducts
		Υ		Diagnostic supply duct location, surface area, and R-value
	Υ			Duct increased R-value
			Υ	Duct leakage Asbestos-Exempt from test
	Y			Ducts in attic with radiant barriers
		Y		Less than 12 ft. of duct outside conditioned space
		Y		Non-standard duct location
	Y	·		Supply registers within two ft of floor
Envelope				
	Y			Air retarding wrap
	Y			Cool roof
	Y			Exterior shades
	Υ			High thermal mass
	Y			Inter-zone ventilation
	Υ .			Metal framed walls
	Υ			Non-default vent heights
		Y		Quality insulation installation
	Υ			Radiant barrier
			Υ	Reduced infiltration (blower door). May also require mechanical ventilation.
	Y			Solar gain targeting (for sunspaces)
	Y			Sunspace with interzone surfaces
	Y			Vent area greater than 10%
HVAC Equipn	nent			
			Y	Adequate air flow
		Y		Air conditioner size
			Y	Air handler fan power
		Y		High EER
	Y			Hydronic heating systems
		Y		Mechanical ventilation
			Υ	Refrigerant charge
×		Υ		Thermostatic expansion valve (TXV)
	Y			Zonal control
Water Heater				
	Y			Combined hydronic
	Υ			High EF for existing water heaters
	Υ	,		Non-NAECA water heater
	Y			Non-standard water heaters (wh/unit)
	Y			Water heater distribution credits

COMPLIANCE STATEMENT This certificate of compliance lists the building features Parts 1 and 6 of the California Code of Regulations, and certificate has been signed by the individual with overal compliance using duct design, duct sealing, verification quality, and building envelope sealing require installer tapproved HERS rater.	I the administrative regulations to implement them. Il design responsibility. The undersigned recognizes of refrigerant charge and TXVs, insulation installar
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approved TERS later.	-
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