0611374 Permit No: CITY OF SACRAMENTO 1231 I Street, Sacramento, CA 95814 PAID Insp Area: CITY OF SACRAMENTO Thos Bros: 277D5 JUL 2 6 2006 Sub-Type: RES Site Address: 280 RIVER RUN CR SAC Housing (Y/N): N 225-0973-024 Parcel No: NEIGHBORHOODS PLANNING OWNER AND DEVELOPMENT SERVICES PAULSEN DIANE J ARCHITECT CONTRACTOR NEW CENTURY CENTURY AIR RIVER RUN CR 3129 FITE CIR #130 SACRAMENTO, CA 95833 SACRAMENTO CA 95827 Nature of Work: C/O SPLIT SYSTEM HVAC - GROUND MOUNT - PLACED IN THE SAME LOCATION AS THE EXISTING UNIT 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 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. 7 - 26 OC Contractor Signature License Class 2 License Number 718740 ___ Date_ 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). B & PC for this reason: I am exempt under Sec. Owner Signature IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements. I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and herby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes. 7-26-06 Applicant/Agent Signature WORKER'S COMPENSATION DECLARATION: 1 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 STATE FUND

Policy Number 1616422

Exp Date

01/01/2007

(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, Ishall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 7-26-00

__Applicant Signature_

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



CITY OF SACRAMENTO

www.cityofsacramento.org
Help Line: 1-916-808-5656 OR 1-866-EZ-PERMIT
Inspection Request: 1-916-808-7622

Downtown Permit Center 1231 I Street, Suite 200 Sacramento, CA 95814

North Permit Center 2101 Arena Blvd., Suite 200 Sacramento, CA 95834

Fax # 916-264-1901

Date: 7-26-60

MINOR PERMIT APPLICATION

Faxed web request must be received in this office by 3:00 P.M. to be processed the following workday. Contractors must have a current certificate of Worker's Compensation Insurance. Note: Work started before a Building Permit is issued will be subject to quad fee.

Permits requiring Plan Review are not clipible for the MINOR PERMIT PROGRAM

Design Review and Historic Preservation approval may be required if job address is located in those areas (additional forms may be required)

	IN ORDER TO PROC	IN ORDER TO PROCESS THIS REQUEST, ALL THE FOLLOWING INFORMATION MUST BE PROVIDED:	INFORMATION MUST BE PROVIDED:	
ob Address: 280 Pi	Bldg Type: RESIDENTIAL	DENTIAL APARTMENTS (4+ units per building)	nits per building) COMMERCI Contract Price	Al-diminal A
ONTACT INFO Name:	ree Perez	Phone #: 916 362 2822 Email: Q	522 Email: admin 2 On	idmin 2@newenturyair.com
Property Owner:) CAN		Contractor:	Contractor: New-Centuruffic Susta	Sustams License #: 718746
Address: 280 PININ	R	Address: 3	ir 1#12	
(\mathcal{L})	into.CA G	5833 City/State/Zi	entro Ca	95827
1 1			Fax:	9116-362-9011
Nature of Work: Provide description of work & indicate type of work in selections below.	iption of work & indicate type	_i	YES NO	Registration #
escription of work: TVAC: VADIACI MED	soplan :	ment solit	- System	
	1			
Reroof (excluding tile)	HVAC Installations	□ wı	☐ Minor Electric and/or	Public Utilities Safety
Tear-Off Resheet	Change-out New	W Electric Gas	Minor Plumbing (Residential Only)	Impection
☐ House ☐ Garage	Heat Pump	Change-out	☐ Electric Service Change	(Residential and single
# Stories:	Split system	☐ Relocate	Re-wire	pent uni
Material:	Heat pump or elect, unit to gas.	NDry Rot or Termite	Water Service Replacement	* NOTE *
Siding Wood	☐ Wall furnace ☐ Other (describe below)		Gas Line Replacement	Correction Notice item will
Horiz	Value of duct work:	Mudshill Studs	Re-plumb	permit.
□ Vinyt Stucco	Cut-in: \$	☐ Exterior	5	
Office Use Only: Pa	Parcel #:	Date Received: Date Issued:	Processor's Initials:	Permit #:
•				

HEATING AND COOLING EQUIPMENT QUESTIONNAIRE
Applicant's name: Dew Contuny Air Phone: 302-2822
Project Address: 280 River Run Cir
Please check the appropriate boxes. Only check a box if it accurately and completely describes your proposed work, otherwise leave boxes blank.
1. GROUND-MOUNTED UNIT a. There is an existing ground-mounted unit. The existing unit shall be removed. The new unit shall be placed in the same location as the existing unit and shall not exceed the size of the existing unit by more than 25%. The new unit differs in location from the existing unit. The new unit is fully screened behind a solid fenced area and will not be visible from any street views. Existing shrubs or buildings will screen the unit from being visible from any street views.
 b. □ There is no unit in the proposed location. □ The new unit will be fully screened behind a solid fenced area and will not be visible from any street views. □ Existing shrubs or buildings will screen the unit from being visible from any street views.
 ROOF-MOUNTED UNIT a. □ There is an existing roof-mounted unit. □ The existing unit shall be removed. The new unit shall be placed in the same location as the existing unit and shall not exceed the size of the existing unit by more than 25%. □ The new unit differs in location from the existing unit. The new unit shall be screened from street views by the building with no portion of the new unit being visible from any street views.
b. ☐ There is no existing roof-mounted unit ☐ The new unit shall be screened from street views by the building with no portion of the new unit being visible from any street views
By signing below, the applicant certifies that this form accurately describes the proposed work.
Applicant's signature: Date: 12000
For City Staff use only Counter Staff
☐ In a DR District Meets DR criteria? ☐Yes ☐No (route to DR staff) ☐ In a P area or listed (route to P staff) ☐ Not in DR/P area

S:\USERS\Ellen\procedures\ChecklistMech.wpd
. ..

280 RIVER RUN CIR

SACRAMENTO CA

95833

Site Address

0611374 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) 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 Typ	CEC Certified Mfr. Name, Model and	# of identical	Efficiency (AFUE, etc.)1	Duct Location	Duct or Piping	Heating Load	Heating Capacity
(pkg. heat pump	Serial Number	Systems	>(CF-1R value)	_	R-value	(Btu/hr)	(Btu/hr)
Split	TRANE	1	80.00 AFUE	Attic	R 4.2	0	80000
	TUD1B080A936						

Cooling Equipment

Equip Typ (pkg. heat pump	CEC Certifled Mfr. Name, Model and Serial Number	# of Identical Systems	Efficiency (AFUE, etc.)1 >(CF-1R value)	Duct Location (attic, etc.)	Duct or Piping R-value	Cooling Load (Btu/hr)	Cooling Capacity (Btu/hr)
Split	TRANE	11	14.00 SEER	Attic	R 4.2	0	36000
	2TTX4036B1		12.00 EER	·			
Coil	ADP_						
	TE50436						

1. > 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, 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

9-20-06

New Century Air Systems

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

50003 1295

COPY TO: Building Department HERS Rater (if applicable) Building Owner at Occupancy Site Address

SACRAMENTO CA

0611374 Permit Number

INSTALLER COMPLIANCE STATEMENT FOR DUCT LEAKAGE

	pies to: Builder, HERS Rater, Building Owner at Occupancy and Building Department					
IN:	STALLER COMP <u>LIANCE STATEMENT</u>					
The	e building was: Tested at Final Tested at Rough-in					
IN!	STALLER VISUAL INSPECTION AT FINAL CONSTRUCTION STAGE:					
	Remove at least one supply and one return register, and verify that the spaces between the	register boot an	d th	e interi	or	
•						
	finishing wall are properly sealed.	4414:		_!4_		
	If the house rough-in duct leakage test was conducted without an air handler installed, insp					
	between the air handler and the supply and return plenums to verify that the connection po	ints are properly	sea	iea.		
	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, Apper	<u>ıdix</u>	RC4.3		
NE	W CONSTRUCTION:		80.39.00.015	G007 - 104 (30F)	a, ener	
	Duct Pressurization Test Results (CFM @ 25 Pa)	Measured			in a se	Ý 98
		Values				printe
1	Enter Tested Leakage Flow in CFM:				- 5	
2	Fan Flow: Calculated (Nominal: Cooling Heating) or Measured	.	i			1
	If Fan Flow is Calculated as 400 cfm/ton x number of tons or as 21.7 cfm/(kBtu/hr) x Heating	1200				İ
	Capacity in Thousands of Btu/hr, enter total calculated or measured fan flow in CFM here:					
3	Pass if Leakage Percentage < 6% for Final or < 4% at Rough-in:					
	[100 x [(Line # 1) / (Line # 2)]]			Pass		Fail
ΑL	TERATIONS: Duct System and/or HVAC Equipment Change-Out					
	Enter Tested Leakage Flow in CFM from Pre-Test of Existing Duct System Prior to Duct					
	System Alteration and/or Equipment Change-Out.		,	. Na deporter	7 - 11.00	
5	Enter Tested Leakage Flow in CFM from Final Test of New Duct System or Altered Duct	A (n a le bud sa	in the	ar skiller a
Ť	System for Duct System Alteration and/or Equipment Change-Out.	86				
6	Enter Reduction in Leakage for Altered Duct System		VYE 30		200	
•	[(Line # 4) Minus (Line # 5)] – (Only if Applicable)					
7	Enter Tested Leakage Flow in CFM to Outside (Only if Applicable)					
	Entire New Duct System - Pass if Leakage Percentage < 6% for Final or < 4% at Rough-in					
٠	[100 x [(Line # 5) / Line # 2)]]			Pass		Fail
TE	ST OR VERIFICATION STANDARDS: For Altered Duct System and/or HVAC Equipment	Change-Out		. 400		
	e one of the following four Test or Verification Standards for compliance:	. Onlange-Out				į
	Pass if Leakage Percentage < 15% [100 x [86 (Line #5) / 1200 (Line #2)]]		J	Fass		Fail
		7.16	—	•	Н	
	Pass if Leakage to Outside Percentage < 10% [100 x [(Line # 7) / (Line # 2)]]		-	Pass -	Н	Fail
11	Pass if Leakage Reduction Percentage > 60% [100 x [(Line # 6) / (Line # 4)]]		T	Pass -	Н	Fail
	and Verification by Smoke Test and Visual Inspection			Pass	ш	Fail
12	Pass if Sealing of all Accessible Leaks and Verification by Smoke Test and Visual Inspection			Pass	Ш	Fail
	Pass if One of Lines # 9 through # 12 pass		M	Pass	Ш	Fail
	1, the undersigned, verify that the above dia	gnostic test resu	ılts			
	were performed in conformance with the requirements for compliance credit. I, the undersigned	d, also certify tha	at the	e newly	r	
	installed or retrofit Air-Distribution System Ducts, Plenums and Fans comply with Mandatory re	equirements spe	cifie	d in		
	Section 150 (m) of the 2005 Building Energy Efficiency Standards.					
	9-20-86 New Century Air S	vstems				
					5000	03
	Signature Date Installing Subcontractor General Contractor (Co	•		,	129	

INSTALLATION CERTIF	ICATE	(Page	5 of 12)		CF
280 RIVER RUN CIR		SACRAMENTO CA 958	33 01	el(374	
Site Address			Pe	rmit Number	
	TIC EXPANSION VA	ALVE (TXV) expansion valves are available in RACM	l, Appendix Rl.		
Yes No	consist of visual veri	or inspection, The procedure shall fication that the TXV is installed on lation of the specific equipment			
		Yes is a pass	XPass	Fail	
Thermostatic Expansion Valve Outdoor Unit Serial # Location Outdoor Unit Make Outdoor Unit Model Cooling Capacity	es	Btu/hr	e e dife " role r		
Date of Verification					
Date of Refrigerant Gaug Date of Thermocouple Ca		(must be checked m			
Procedures for Determining I	Refrigerant Charge using	(outdoor air dry-bulb 55oF and the Standard Method are available in laccordance with the manufacturer's sp	RACM, Append		his
Measured Temperatures	·				_
Supply (evaporator leavi				<u> </u>	_
Return (evaporator enter				<u> </u>	_
Return (evaporator enter					_
Evaporator saturation ter		sat)			_
Suction line temperature					
Condenser (entering) air	ary-buib temperature (10	condenser, ab)		<u> </u>	
Superheat Charge Method Ca Actual Superheat = Tsuc				F	
Target Superheat (from T	able RD-2)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		F	╧
Actual Superheat – Targe	et Superheat (System pa	sses if between -5 and +5°F)		<u> </u>	
Temperature Split Method Ca	·				
Split Method Calculation is n	······································		J		- 1
Actual Temperature Split		<u> </u>			∄
Target Temperature Split		it (System passes if between -			
3°F and +3°F or, upon rei	= :				-
o r anu vor or, upon rei	neasurement, ii betweer	-> r and -ivv r)			

Alternate Charge Measurement Summary:

System shall pass both refrigerant charge and adequate airflow calculation criteria from the same measurements. If corrective actions were taken, both criteria must be remeasured and recalculated.

ons were taken, both criteria must be remeasured and recalculated.

Yes No System Passes

9-20-06 Signature, Date

New Century Air Systems

Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner 50003 1295

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

CERTIFICA	ATE OF	COMPLI	ANCE: R	RESIDENTIAL	(Page	1 of 5)	CF- 1R
PAULSEN, D	IANE						
Project Title						<u>Date</u>	
280 RIVER R	UN CIR		SA	CRAMENTO CA	95833	0643	74
Project Address						Building	Permit #
Dave Owen				916-36 <u>2-282</u> 2	2		
Documentation	Author			Telephone		Plan Che	eck / Date
Prescriptive				12		Field Ch	eck / Date
Compliance Met	hod (Prescr	iptive)		Climate Zone		Enfo	programment Agency Use Only
_	kage D Alte	rnative see A		HERS rater field verifica Fable 151-© Footnotes 7		nostic testing (s	ee or in page 3)
Maximum Allow Building (If addir	red West Fac red Total Fer g Type: (che ng fenestrati	cing Fenestr nestration Pi ck one or m	roducts Per ore) X S-4R, Fenes	ft2 Average Ceiling cts Per Table 151-B or 19 Table 151-B or 151-C Single FamilyMultration Maximum Allowe	51-C (5% X C - (20% X CFA) tifamily	NA ft2 Addition X	Alteration
Number of Stori	ies: <u>1</u>			Units: 1			
Floor Construct	· · · · —	Slal		ised Floor (circle one or	•		
Front Orientatio		= 080 Nor	th / South / E	East / West / All Orientat	gons (input from	orientation in d	egrees from True
North and circle	e one).						
RADIA	NT BAR	RIER (requi	red in climat	e zones 2, 4, 8-15)			
OPAQUE SU	RFACES	INCLUDIN	IG OPAQI	JE DOORS			
Component			;	Assembly Ufactor			
Type (Wall,	Frame			(for	Joint	Roof Radiant	
Roof, Floor,	Туре	_	Continuous	wood, metal	Appendix	Barrier	Location/Comments
Slab Edge,	(Wood	Insulation	Insulation	frame and mass	IV	Installed	(attic, garage,
Doors)	or Metal)	R-Value	R-Value	assemblies) 1	Reference	Yes or No	typical, etc.)
		 					
	<u> </u>						

¹⁾ See Joint Appendix IV in Section IV.2, IV.3 and IV.4, which is the basis for the U-factor criterion. U-factors can not exceed prescriptive value to show equivalence to R-values.

PAULSEN, DIAN	IE		28	O RIVER R	UN CIR			
roject Title							Date	
						-		
ENESTRATION	PRODUC	TS - U-	FACTO	R AND SH	IGC			
	rion Maximund Alterations		WED ARE	A WORKSH	EET WS-4R	-must be included	for New Construct	ion,
Fenestration	Orientation	on, A	Area	U-factor2	U-facto	r SHGC4	SHGC	Exterior
#/Type/Pos.	N, S, E, V	V1 (ft2)		Source	3	Source5	Shading/Overhangs6,
(Front, Left,			- 1					Ck box if WS-3R is
Rear, Right,							1	included
Skylight)		4						
		4						
			—					
							<u> </u>	
						nts are tilted to the		<u>L</u>
Indicate source eit Shading Devices a See Section 3.2.4 VAC SYSTEMS	ther from NFI are defined in in the Reside	RC or Tal a Table 3- ential Man	ole 116B. 3 in the R ual.	esidential Ma	anual and s	116B or adjusted Si ee WS-3R to calcul Duct or Piping		g devices. Configuration
Type and Capa	, I	Efficie	•	Type and		R-Value	Type	(split or package)
rnace, heat pump,	1	(AFUE or		(ducts, at		D 4 2	 	
Fumace		80.00	AFUE	Att	IC	R 4.2	<u>Programable</u>	Split
80	kBTU		_					
					i		<u> </u>	
Cooling Equip		Minim				Duct	Thermostat	Configuration
Type and Capa	- 1	Efficie	· · I	Duct Lo		R-Value	Туре	(split or package)
A/C, Heat Pump, Ev	vap Cool)	(SEER o		(attic,			<u> </u>	
A/C		14.00	SEER	Att	IC	R 4.2	Programable	Split
		12.00	EER					

(Page 2 of 5)

CF- 1R

CERTIFICATE OF COMPLIANCE: RESIDENTIAL

kBTU

36

ERTIF	ICATE OF	COMPLIAN	ICE: RE	SIDENTIAL	-	(Page 3 of 5)		CF- 1R
AULSE	N, DIANE		280 RIVE	R RUN CIR				
oject Titl						Date		
							,	
SE	ALED DUCT	S and TXVs (or Alterna	tive Measur	es)			
						home for which th	e following. are	
rec	uired.	· · · · · · · · · · · · · · · · · · ·						
	······································			-	ion and HER	S rater field verification	ation required.)	w ·
_	•	essible (climate z						
		nd certification a						
_			2 and 8-15 or	ily) (Installer te	sting and cei	tification and HER	S Rater field	
ve	ification require	ea.)						
Alt		led Ducts and Re	frigerant Cha	rge /TXVs (See	Package D A	Alternative Package	e Features for	
		ne in the RM App	_	-	_	J		
	OR							
Fo	r additions and	alterations, duct	systems that	t are not docum	ented to hav	e been previously		
		_		-	-	ordance with proce	dures in the	
		fanual and duct s	-					
spa				150(m) and duc	t insulation r	equirements of Pac	ckage D.	
lch		ATING SYSTE		rd" evetam Str	andard eveter	m is one gas-fired v	water beater per	
	•			-	-	m capacity and rec	-	is
-	t allowed.		• •				•	
Ch	eck box when u	sing Preapprove	d Alternative	Water Heating	table, Table	5-4 in Chapter 5 in	the Residential	
Ma	nual. No water I	heating calculation	ns are requi	red, and the sy	stem compli	es automatically.		
Сн	eck box if syste	m does not meet	criteria of "	Standard" syste	em, and does	not comply with th	ne Preapproved	
_		Heating table. In	this case, the	e Performance	Method must	be used and must	be included in the)
	omittal.				latin n. aatau			
	· ·	y that a time con	roi is require	ed for a recircu	lating system	n pump for a syster	n serving multiple	l .
uni Vstems		gle dwelling u	nits					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Rated	Tank	Energy	1	Tank
Wat	er Heater	Distribution	Number	Input1	Capacity	Factor1 or	Standby1	External
Туре	/Fuel Type	Туре	in System	(kW or	(gallons)	Thermal	Loss (%)	Insulation
				Btu/hr)		Efficiency	_	R-Value
		 			1			
					 		+	
ystem :	serving multi	iple dwelling (units				1	
				Rated	Tank	Energy		Tank
Wat	er Heater	Distribution	Number	Input1	Capacity	Factor1 or	Standby1	External
Туре	/Fuel Type	Type	in System	(kW or	(gallons)	Thermal	Loss (%)	Insulation
				Btu/hr)		Efficiency	 	R-Value
		+						
		1	i l				1	

Pipe Insulation (kitchen lines > 3/4 inches) All hot water pipes from the heating source to the kitchen fixtures that are % inches or greater in diameter shall be thermally insulated as specified by Section 150 (j) 2 A or 150 (j) 2 B.

¹ For small gas storage water heaters (rated inputs 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 Rated Input, Recovery Efficiency, Thermal Efficiency and Standby Loss. For instantaneous gas water heaters, list Rated Input and Thermal Efficiencies.

<u>\U</u> LSI	EN, DIANE	280 RIVER RUN CIR		
oject Ti	tle		Date	
PECIAI	L FEATURES NOT REQUIRING HE	RS VERIFICATION (add extra sheets if	necessary)	
		project. The list below represents special fe	= -	criptive
d Perfo	rmance Method.			
	F	Descript Forms (if applicable)	Description	
1	Feature Metal Framed Walls	Required Forms (if applicable) CF-1R	Description	
++	Radiant Barriers	CF-1R		
++	Exterior Shades	WS-4R		
ш	Exterior shades	N/A; Performance Calculation		
ТТ	Cool Roof	Required. Attach CRRC Label to		
ш		Forms.		
П	Dedicated Hydronic Heating	Performance Calculation		
ш	System	Required; Attach Run to Forms.		
ТТ	Combined Hydronic System	Performance Calculation		
ш	Combined Hydronic System	Required; Attach Run to Forms.		
	Gas Cooling	N/A; Performance Calculation		
ш	Gas Cooling	Required.		
1 1	Buried Ducts	N/A; Indicate on building plans.		
++	Kitchen Pipe Insulation	See Section 5.6.2 Distribution		
نــا	Attenen Pipe insulation	Systems in Residential Manual.		
		See Table 5-13 or use		
П	Multiple Water Heaters Des	Performance Calculation and		
ш	Multiple Water Heaters Per Dwelling Unit	attach Run to Forms.		
TT	Central Water Heating System	Performance Calculation and		
Ш		attach Run to Forms.		
ТТ	Serving Multiple Dwellings Non-NAECA Large Water	CF-1R		
ш	_	Pi-lik		
	Heater	See Table 5-13 or use		
	Indirect Water Heater	Performance Calculation and		
لــا	indirect water neater			
		attach Run to Forms See Table 5-13 or use		
	Instantaneous Gas Water Heater	Performance Calculation and		
ш	Instantaneous Gas Water Heater		1	
		attach Run to Forms		<u>.</u>
	6 - 1 - 1 W - 4 - 1 U - 4 i - 1 G - 1 - 1	See Table 5-13 or use	İ	
	Solar Water Heating System	Performance Calculation and		
	W 12: 5 ::	attach Run to Forms		
	Wood Stove Boiler	Performance Calculation and		
		attach Run to Forms		
	FEATURES REQUIRING HERS R			
d ext	ra sneets if necessary) indicate to	the HERS Rater which credits are part	of this project and need	verification.
			1	
╇	Feature	Required Forms (if applicable)	Description	
II	Duct Sealing	CF-6R part 4 of 12		

CF-6R part 5 of 12

CF-6R part 6 of 12

Refrigerant Charge

Thermostatic Expansion Valve

CERTIFICATE OF COM	PLIANCE: RESIDENTIAL	(Page 5 of 5)	CF- 1R
PAULSEN, DIANE	280 RIVER RUN CIR	<u></u>	
Project Title		Date	
COMPUNIOS	OTATEMENT.		-

COMPLIANCE STATEMENT

This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations, and the administrative regulations to Implement them. This certificate has been signed by the Individual with overall design responsibility. The undersigned recognizes that compliance using duct design, duct sealing, verification of refrigerant charge and TXVs, insulation installation quality, and building envelope sealing require installer testing and certification and field verification by an approved HERS rater.

Designer or Owner	(per Business and Professions Code)	Documentation Autho

Name:			Name:			
	Dave Ov	Dave Owen		Dave Owen		
Title/Firm:	Title/Firm:		Title/Firm:			
New Century Air Systems		New Century Air Systems				
Address:		-	Address:	,		
	3129 Fite Cir, # 130		3129 Fite Cir, # 130			
	Sacramento	CA 95827	Sacramento	CA	95827	
Telephone:	<u> </u>		Telephone:			
	916-362-2822		916-362-2822			
License #:				,		
	71	8740				
				:		
(signature) (date)		(signature) (date)				

Enforcement Agency

Name:		Comments:
Title		
Agency:		
Telephone:		
(signature / stamp)	(date)	

	*****		V-230 2 01 07			
280	RIVER RUN	I CIR - SACRAMENTO, CA 95833	New-Century Air Sy	/stems / 718	740	
Proj	ect Address		Contractor Name / Lic			******
Cont	tractor Contact	Talenhone	06-11374 Permit Number			
	McKinney	916-698-4185				
HER	S Rater		Sample Group Numbe	7	10	******
Cert	ifying Signature	September 26, 2006	CC14-1798382678 Certificate Number		- ·	
Firm		Energy Analysis and Comfort Solitions	HERS Provider: CalC	FOTE		
	eet Address:	inc.			05660	
sure	set Address;	PO Box 2233	City/State/Zip: Oran	<u>qevale / CA /</u>	95662	
		owner, HERS Provider and Building Department				
This	CF-4R has b	een registered with the CalCERTS® registry in accorda	ance with the Title 2	4 & Title 20	of the CCR.	
		approved HERS provider by the California Energy Cor DMPLIANCE STATEMENT	nmission.			
The	house was	Tested Approved as part of sample testing, but w	as not tested.			
4s ti	he HERS rater p	providing diagnostic testing and field verification, I certify that	the house identified on			
		ompliance requirements as checked on this form. The HERS ra				
		ed and correct tape is used before a CF-4R may be released o intil a properly completed and signed CF-6R has been received			er must not	
		as provided a copy of the CF-6R (Installation Certificate).	a for the sample and tes	stea bullaings.		
∇	New Distributi	on system is fully ducted (i.e., does not use building cavities a	s plenums or platform	returns in lieu (of ducts).	
abla	New systems	where cloth backed, rubber adhesive duct tape is installed, ma	istic and drawbands are	used in combi	nation with d	ioth
7.		r adhesive duct tape to seal leaks at duct connections.	OMBITANCE CREDI		·	
ME	W CONSTR	OUTREMENTS FOR DUCT LEAKAGE REDUCTION C	OMPLIANCE CKEDI	.15		
	1			Measured	T	\dashv
	Duct Pressuriza	ation Test Results (CPM @ 25 Pa)		Values		
1		eakage Flow in CFM:		N/A		
2	Fan Flow: Calc Enter Total Far	rulated (Nominal © Cooling O Heating) or O Measured in Flow in CFM:		Not Tested		
3	Pass If Leakage	e Percentage < 6% (100 x (Line 1 / Line 2)):		N/A	N/A	
AL	TERATION	S: Duct System and/or MVAC Equipment Ch	ange-Out			
4	ľ	eakage Flow in CFM from CF-6R: Pre-Test of Existing Duct Sylicion and/or Equipment Change-Dut.	stem Prior to Duct	Not Tested		
5		eakage Flow In CFM: Final Test of New Duct System or Altere Uteration and/or Equipment Change-Out.	id Duct System for	Not Tested		
6		n in Leakage for Altered Duct System 5] - (Only if Applicable)		Not Tested		
7	Enter Tested L	eakage Flow in CFM to Outside (Only if Applicable)		Not Tested		
8	Entire New Du	ct System - Pass if Leakage Percentage < 6% [100 x (Line 5	/ Line 2)]:	Not Tested	Pass	Fall
Εq	ulpment Ci	IFICATION STANDARDS: For Altered Duct S nange-Out, use one of the following four Te r compilance:				
9	Pass if Leakage	e Percentage <= 15% [100 x (Une 5 / Une 2)]:		Not Tested	☑ _{Pass} □	Fail
10	Pass if Leakage	e to Outside Percentage <= 10% [100 x (Line 7 / Line 2)]:		Not Tested	Pass	Fali
11		e Reduction Percentage >= 60% [100 x (Line 6 / Line 4)] n by Smoke Test and Visual Inspection		Not Tested	Pass [] _{Fail}
12	Pass if Sealing	of all Accessible Leaks and Verification by Smoke Test and Vis	ual Inspection		Pass [Fail
		Pass if One of Lines a	9 through #12 pass		M Pass □	Fail

TEA DIVED OU	M ČTO "ČACRAMENTA					
Project Address	TELR - SACRAMENTO,			New-Century Air Systems / 718740		
ruject Address			Contractor Name / Lice	nse No.		
Contractor Contact		T-1-4-1	06-11374			
Max McKinney	<u>-</u>	Telephone				
HERS Rater		916-698-4185				
LNO NOTE	In the	Telephone	Sample Group Number			
Certifying Signatur		September 26, 2006				
erunying signatur		Data	Certificate Number			
īrm:	Energy Analysis and Co Inc.	miort solutions	HERS Provider:CalCE	RTS		
Street Address:	PO Box 2233		City/State/Zip: Orange	evale / CA / 95662		
his CF-4R has b	een registered with the	r and Building Department CalCERTS® registry in accorda r by the California Energy Corr	once with the Title 24	& Title 20 of the CCR.		
ERS RATER CO	OMPLIANCE STATEMEN	T	imission.			
he house was	Tested V Approved as	part of sample testing, but wa				
s the HERS rater r	novidina disponetic tection :	and field verification, I certify that	s not tested.			
agnostic tested co	ompliance requirements as o	harked on this form	the nouse identined on t	nis form complies with the		
The installer h	as provided a copy of the C	F-6R (Installation Certificate).				
THERMOSTA	TO EVEL DE CONTRA LA LA	CR (Materiotom Certificate).				
	TIC EXPANSION VALVE					
Access is provi on the system	ided for inspection. The and installation of the	e procedure shall consist o specific equipment shall b	f visual verification e verified.	that the TXV is installe		
			HVAC System TXV	Pass Fall		