CITY OF SACRAMENTO 1231 I Street, Sacramento, CA 95814

Permit No: 0518513

Insp Area: Thos Bros:

297C6

Site Address: 2646 14TH ST SAC

Parcel No:

009-0322-003

Sub-Type:

RES Housing (Y/N): N

<u>CONTRACTOR</u> PARK MECHANICAL 7975 RAMONA AV SACRAMENTO CA 95826 <u>OWNER</u> MOORE FAMILY TRUST 2646 14 TH ST SACRAMENTO CA 95818

Nature of Work: PAPERLESS PERMIT- HVAC-CUT IN SPLIT SYSTEM

<u>ARCHITECT</u>

Smoke detectors are required. 2005 energy standards apply.

CONSTRUCTION LENDING AGENCY: I here the work for which this permit is issued (Sec. 3097, Civ. C	by affirm under penalty of perjury that there is a construction lending agency for the performance of).
Lender's Name	Lender's Address
LICENSED CONTRACTORS DECLARATIO (commencing with section 7000) of Division 3 of the Busin License Class CLO License Number 335561	N: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 ness and Professions Code and my license is in full force and effect. Date 11 28 25 Contractor Signature
OWNER-BUILDER DECLARATION: I hereby reason (Sec. 7031.5, Business and Professions Code; any prior to its issuance, also requires the applicant for such p License Law (Chapter 9 (commencing with Section 7000 basis for the alleged exemption. Any violation of Section hundred dollars (\$500.00);	affirm under penalty of perjury that I am exempt from the contractors License Law for the following city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, termit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the 17031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five
sale (Sec. 7044, Business and Professional Code: The C who does such work himself or herself or through his/her the building or improvement is sold within one year of cothe purpose of sale.)	th wages as their sole compensation, will do the work, and the structure is not intended or offered for intractors License Law does not apply to an owner of property who builds or improves thereon, and own employees, provided that the provenents are not intended or offered for sale. If, however, mpletion, the owner-builder will have the burden of newing that he/she did not build or improve for CTTY OF SACHAMILET CONTRACTORS.
	cting with licensed contract (No. 2) Constitution of property who builds or improves thereon, and who contracts for such projects with a contractor(s)
I am exempt under Sec. B &	PC for this reason: NEW CITY HALL.
DateOwn	er Signature
IN ISSUING THIS BUILDING PERMIT, the application	nt represents, and the city relies on the representation of the applicant, that the applicant verified all r accompanying drawings and that the improvement to be constructed does not violate any law or ocations for such improvements. This building permit does not authorize any illegal location of any
building construction and herby authorize representative	information is correct. I agree to comply with all city and county ordinances and state laws relating to s) of this city to enter upon the abovementioned property for inspection purposes.
DateApp	licant/Agent Signature
I have and will maintain a certificate of consent performance of work for which the permit is issued.	ION: I hereby affirm under penalty of perjury one of the following declarations: to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the
EVI have and will maintain workers' compensation this permit is issued. My workers' compensation insurar	nsurance, as required by Section 3700 of the Labor Code, for the performance of the work for which ce carrier and policy number are:
Carrier ACORD	Policy Number Z067716401 Exp Date 10/01/2006
not employ any person in any manner so as to become s	is for \$100 or less) I certify that in the performance of the work for which this permit is issued, Ishall ubject to the workers' compensation laws of California and agree that if I should become subject to the Labor Code, I shall forthwith comply with those provisions.
Date 1 28 05 Ap	olicant Signature Coronic Coro

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.

.92 Exempt from duct lealinge test

CERTIFICATE OF FIELD VERIFICATION & DIAGNOSTIC	
Project Address 2646 14TH ST	Builder Name PARK MECHANICAL
Builder Contact JOHN MCALPINE 916 452-4154 Telephone	Plan Number
HERS Rater DEBBIE THOMPSON 916 835-4773	Sample Group Number
Compliance Method (Prescriptive)	Climate Zone 12
Cortifying Signature	Sample House Number
Lettinying signature 1-13-06	TIEDC Droyder
Capitol Energy Consultants	CalCerts
Street Address: 1709 Adonis Way	City/State/Zip: Sacramento, CA 95864
Copies to: BUILDER, HERS PROVIDER AND BUILDING DEPARTMENT	
The house was: Tested Approved as part of sample testing, be As the HERS rater providing diagnostic testing and field verification, I certify that the diagnostic tested compliance requirements as checked on this form. The HE distribution system is fully ducted and correct tape is used before a CF-4R may be rater must not release the CF-4R until a properly completed and signed CF-6R has 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 New systems where cloth backed, rubber adhesive duct tape is install combination with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape to seal lead Installation with cloth backed, rubber adhesive duct tape	RS rater must check and verify that the new released on every tested building. The HERS been received for the sample and tested as plenums or platform returns in lieu of ducts). led, mastic and draw bands are used in ks at duct connections.
Duct Diagnostic Leakage Testing Results	···
NEW CONSTRUCTION:	
Duct Pressurization Test Results (CFM @ 25 Pa)	Measured Values
Enter Tested Leakage Flow in CFM:	Yardos
Fan Flow: Calculated (Nominal: ✓ □ Cooling ✓ □ Heating) or ✓ □ Measure Enter Total Fan Flow in CFM:	ed 🗸 🗸
3 Pass if Leakage Percentage < 6% [100 x [(Line # 1) /(Line # 1) /(Line # 1)	ine # 2)]] □ Pass □ Fail
ATTERATIONS: Duct System and/oNHVAC Equipment Change-Out	los de la companya de
Enter Tested Leakage Flow in CFM from CF-6R: Pre-Test of Existing Duct State Alteration and/or Equipment Change-Out.	
Enter Tested Leakage Flow in CFM: Final Test of New Duct System or Alter	red Duct System
for Duct System Alteration and/or Equipment Change-Out. Enter Reduction in Leakage for Altered Duct System (Line # 4) Minu (Only if Applicable)	(Line # 5)]
7 Enter Tested Leakage Flow in CFM to Outside (Only if Applicable)	✓ ✓
Entire New Duct System - Pass if Leakage Percentage ≤ 6% Line # 211	□ Pass □ Fai
TEST OR VERIFICATION STANDARDS: For Altered Duct System and/or Use one of the following four Test or Verification Standards for compliance:	
Page if Leakage Percentage < 15% [100 x [(Line # 5) /)	(Line # 2)]]
Pass if Leakage to Outside Percentage ≤ 10% [100 x [(Line # 7) /	(Line # 2)]]
Pass if Leakage Reduction Percentage ≥ 60% [100 x [(Line # 6) /] 11	
12 Pass if Sealing of all Accessible Leaks and Verification by Smoke 1 est and	Visual Inspection Pass Fa
Pass if One of Lines #	y through # 12 pass 12 ass 12
Residential Compliance Forms System Passes Ma	M Hum

CERTIFICATE OF FIELD VERIFICATION	N & DIAGNOSTI	C TESTING (Page 3 of 8)	CF-4F
Project Address 2646 14TH ST		Builder Name	PARK MEC	HANICAL
Builder Contact JOHN MCALPINE 916	Telephone 452-4154			
HERS Rater DEBBIE THOMPSON 9	Telephon 916 835-4773	e Sample Group	Number	
Compliance Method (Prescriptive)		Climate Zone	12	
Certifying Signature Thur	Dar - (-13-0)	6		
Firm Capitol Energy Consultants		HERS Provide	CalCerts	
Street Address: 1709 Adonis Way		City/State/Zip	Sacramento	, CA 9586
copies to: BUILDER, HERS PROVIDER AND BUIL HERS RATER COMPLIANCE STATEMI				
As the HERS rater providing diagnostic testing and fiel with the diagnostic tested compliance requirements as of the installer has provided a copy of CF-6R (Installer has provided a copy of CF-6R).	ed as part of sample testing deverification, I certify the checked on this form. tallation Certificate).	at the house identi	fied on this form	n complies
THERMOSTATIC EXPANSION VALVE (T Procedures for field verification of thermostatic expansion)	XV) sion valves are available	in RACM, Append	lix RI.	
			V V	
✓ ✓ Yes □ No visual verification that t	nspection. The procedure	e system and	p c]
installation of the speci.	fic equipment shall be ve	Yes is a par	ss Pass Fa	il
✓ ☐ REFRIGERANT CHARGE MEASUREMENT Verification for Required Refrigerant Charge for Split Valves Intdoor Unit Serial #		ystems without Th	ermostatic Expa	nsion
Location				
Outdoor Unit Make				
Outdoor Unit Model		···· .		
Cooling Capacity	Btu/hr			
Date of Verification				
Date of Refrigerant Gauge Calibration		cked monthly)		
Date of Thermocouple Calibration	(must be che	ecked monthly)		
Standard Charge Measurement (outdoor air dry-bulb Note: The system should be installed and charged in a verification shall be documented on CF-6R before statuse the Alternative Charge Measure Procedure Procedures for Determining Refrigerant Charge using	rting this procedure. If o	e available in RAC	M, Appendix RI	rater shan
✓ □ Yes □ No A copy of CF-6R (Installar measurement documented	ation Certificate) has been	n provided with ref	rigerant charge	

CERTIFICATE OF FIELD VERIFICATION & DIAGNOSTIC TESTING (Page 4 of 8) CF-4R Builders Name PARK MECHANICAL 2646 14TH ST Copies to: BUILDER, HERS PROVIDER AND BUILDING DEPARTMENT Measured Temperatures ٥F Supply (evaporator leaving) air dry-bulb temperature (Tsupply, db) ٥F Return (evaporator entering) air dry-bulb temperature (Treturn, db) ٥F Return (evaporator entering) air wet-bulb temperature (Treturn, wb) ٥F Evaporator saturation temperature (Tevaporator, sat) ٥F Suction line temperature (Tsuction, db) ٥F Condenser (entering) air dry-bulle temperature (Tcondenser, db) Superheat Charge Method Calculations for Refrigerant Charge Actual Superheat = Tsuction, db - Tevaporator, sat Target Superheat (from Table RD-2) Actual Superheat - Target Superheat (System passes if between -5 and +5°F) Temperature Split Method Calculations for Adequate Airflow Split Method Calculation is not necessary if Adequate Airflow credit is taken ٥F Actual Temperature Split = T return, db Tsupply, db ٥F Target Temperature Split (from Table RD3) 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) Standard 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 ☐ Yes □ No **System Passes** Alternative Charge Measurement (outdoor air dry-bulb below 55 °F) Note: The system should be installed and charged in accordance with the manufacturer's specifications and installer verification shall be documented on CF-6R before starting this procedure. If outdoor air dry-bulb is 55 °F or above, rater shall use the Standard Charge Measure Procedure: Procedures for Determining Refrigerant Charge using the Alternative Method are available in RACM, Appendix RD3. A copy of CF-6R (Installation Certificate) has been provided with refrigerant charge measurement documented. Weigh-In Charging Method for Refrigerant Charge ft Actual liquid line length: ft Manufacturer's Standard liquid line length: ft Difference (Actual - Standard) x difference in length ounces Manufacturer's correction (ounces per foot) ("+" = add ounces) ("-" = remove ounces) Alternative 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. ✓ ☐ Yes ☐ No System Passes

CER	TIF	ICAT	E OF FI	ELD VERIFICATION & DIAGNOSTIC T	restii	NG (Page 5	of 8)	CF-4H
Projec		duage		TH ST	Builder	Name	MECHA	NICAL
Builde	er Co	ntact J	OHN I	MCALPINE 916 452-4154 Telephone	Plan Nu	ımber		
HERS				HOMPSON 916 835-4773	Sample	Group Number		
G C	• • • •			Date	Sample	House Number	r	
Cerui	ying	Signatur	M_	pur 1-1201		6		
Firm	7 (Capite	ol Energ	y Consultants		Provider CalC	erts	
Street	Add	lress: 1	709 Ador	is Way	City/Sta	ate/Zip: Sacra	mento, C	CA 9586
Copies	to: B	UILDE	R, HERS	PROVIDER AND BUILDING DEPARTMENT				
				LIANCE STATEMENT				
The h	ouse	was: 🗸	☐ Tes	ted Approved as part of sample testing, t	out was r	not tested		
Asth	e HF	RS rater	providing	diagnostic testing and field verification, I certify that to appliance requirements as checked on this form.	the house	e identified on t	his form co	mplies
with t	the d	iagnostic	tested con	inpliance requirements as checked on this form.				
<u> </u>				ded a copy of CF-6R (Installation Certificate).		<u> </u>		
√□	AD	EQUA1	ΓE AIRFL	OW VERIFICATION	., ,, ,	D. (C) (J: DE 4 1	
Proce	edure	es for fiel	ld verificat	ion and diagnostic testing of adequate airflow are ava	ilable in	касм, арреп	aix KE4.1.	
				Measurement				
		Yes	□ No	Duct design exists on plans				
		RE4.		Diagnostic Fan Flow Using Flow Capture Hood				
		RE4.		Diagnostic Fan Flow Using Plenum Pressure Matchi Diagnostic Fan Flow Using Flow Grid Measurement	ng			
	-	RE4.	1.3	Diagnostic Fan Flow Using Flow Old Measurement Measured Ai	rflow:		Total CF	M
	-			Rated			cfm/ton	
	-					1	- ✓	
1	-	Yes	□ No	Measured airflow is greater than the criteria in Table	e RE-2			
•	-	ı res	110		a pass	Pass	Fai	il
							<u> </u>	
✓ [] M.	AXIMU.	M COOL	NG CAPACITY				
ro <u>cedu</u>	ires f	or <u>detern</u>	nining max	imum cooling load capacity are available in RACM, A	<u>Appendix</u>	<i>RF3</i> .		
1	✓	☐ Yes	□ No					
2	✓	☐ Yes	□ No					
3	√	☐ Yes	□ No					
4	✓	☐ Yes	s □ No	capacity indicated of the reflormance service	ind RF-3	<u> </u>		
	•			If the cooling capacities of installed systems are >	than ma	aximum	1	1
5	✓	☐ Yes	s 🔲 No	cooling capacity in the CF-1R, then the electrical	input for	r the		П
				installed systems must be ≤ to electrical input in t Yes to 1, 2, and 3; and Yes to eith	ne CF-1	K.	Pass	Fail
				Yes to 1, 2, and 3; and Yes to ettin	ier 4 or 5	is a pass	1 055	Tan
			· · · · · · · · · · · · · · · · · · ·					
✓ Į	」 н	IGH EE	R AIR CO	ONDITIONER				
	ures j	for yerifi \ \ \ \ Ye:	s	available in RACM, Appendix RI. EER values of installed systems match the CF-1R	₹			
2	1	Yes			or coil		✓.	✓
3	1	7/Ye			_		Ø	
-		- / · · ·		Yes to 1 and 2; and 3 (If Re	equired)	is a pass	Pass	Fail
L		/					-	

Residential Compliance Forms

April 2005

INSTALLATION CERTIFICATE	(Page 3 of 12) CF-6R
C'. Alluna	Permit Number 0518513
Site Address 2646 14TH ST	0318313

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 G61MPV-36B-070	# of Identical Systems	Efficiency (AFUE, etc.) ¹ (≥CF-1R value) .92	Duct Location (attic, etc.)	Duct or Piping R-value	Heating Load (Btu/hr)	Heating Capacity (Btu/hr)

Cooling Equipment

CEC Certified Mfr. Name and Model Number	# of Identical Systems	Efficiency (SEER or EER) ¹ (≥CF-1R value)	Duct Location (attic, etc.)	Duct R-value	Cooling Load (Btu/hr)	Cooling Capacity (Btu/hr)
LENNOX HSXB15-042	1	14.5/12	ATTIC	4.2		
	Name and Model Number	Name and Model Identical Number Systems	CEC Certified Mfr. Name and Model Number Number # of Identical Systems (≥CF-1R value)	CEC Certified Mfr. Name and Model Number Number Value Value	CEC Certified Mfr. # of (SEER or EER) Location Duct Number Systems (≥CF-1R value) (attic, etc.) R-value	CEC Certified Mfr. # of SEER or EER Location Duct Load Number Systems (≥CF-1R value) (attic, etc.) R-value (Btu/hr)

 ≥ symbol reads greater than or equal to what is indicated on the CF-IR 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.

Date:	1-13-06
	Date:

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

IN	STALLATION CERTIFICATE (Pag	ge 4 of 12)	CF-6R
	e Address 2646 14TH ST Permit Num	ober 0518	513
IN	STALLER COMPLIANCE STATEMENT FOR DUCT LEA	KAGE	
IN	STALLER COMPLIANCE STATEMENT	OLINA VIL. I	
	e building was: ✓ Tested at Final ✓ Tested at Rough-in		
Q	Remove at least one supply and one return register, and verify that the spaces between the registe finishing wall are properly sealed. If the house rough-in duct leakage test was conducted without an air handler installed, inspect the between the air handler and the supply and return plenums to verify that the connection points are inspect all joints to ensure that no cloth backed rubber adhesive duct tape is used	connection p	oints
Pro	DUCT LEAKAGE REDUCTION ocedures for field verification and diagnostic testing of air distribution systems are available in	RACM, Арре	ndix RC4.3
NE	W CONSTRUCTION:	Measured	
	Duct Pressurization Test Results (CFM @ 25 Pa)	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) x Heating Capacity in Thousands of Btu/hr, enter total calculated or measured fan flow in CFM here:	1400	✓ ✓
3	Pass if Leakage Percentage≤ 6% for Final or ≤ 4% at Rough-in: [100 x [(Line # 1) /(Line # 2)]]		□ Pass □ Fail
AL'	TERATIONS: 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.	350	
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)		/ /
8	Entire New Duct System - Pass if Leakage Percentage ≤ 6% for Final or ≤ 4% at Rough-in [100 x [(Line # 5) /Line # 2)]]		□ Pass □ Fail
	ST OR VERIFICATION STANDARDS: For Altered Duct System and/or HVAC Equipment Use one of the following four Test or Verification Standards for compliance:	t Change-	✓ ✓
9	Pass if Leakage Percentage \(\le 15\% \) [100 \(\times \) [\) [\(\times \) [\) [\(\times \) [\(\times \) [\\ \times \) [\(\times \) [\(\times \) [\\ \times \) [\(\times \) [\\ \times \) [\(\times \) [\\ \times \) [\(\times \) [\(\times \) [\(\times \) [\\ \tim		□ Pass □ Fa
10	Pass if Leakage to Outside Percentage ≤ 10% [100 x [(Line # 7) /(Line # 2)]]		□ Pass □ Fa
11	Pass if Leakage Reduction Percentage ≥ 60% [100 x [(Line # 6) /(Line # 4)]] 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 ☐ Fa

Installing Subcontractor (Co. Name) OR General			
Contractor (Co. Name) OR Owner			
Signature:	Date:		
Signature.	Date.	1-15-06	

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

Residential Compliance Forms

April 2005

			RTIFICATE			(1	Page 5 of	12) CF-
ite A	ite Address 2646 14TH ST					Permit N	Number 05	18513
v Vrocea	THERM(lures for fie	OSTATIC eld verifica	EXPANSION tion of thermoste	VALVE (TXV) atic expansion valves	are available in RACM	1, Appen	dix RI. ✔	
✓	☑ Yes	□ No	consist of visu	d installation of the sp	e TXV is installed on	Þ		
		<u> </u>	<u> </u>		Yes is a pass	Pass	Fail	
herm	cation for R ostatic Exp loor Unit S	ansion Val	frigerant Chargo ves	e and Adequate Airfl	ow for Split System Sp	ace Cool	ing Systems	without
_	ation							
Outo	door Unit N	1ake						
Outo	door Unit M	/lodel						
Coo	ling Capaci	ty			Btu/hr			
Date	e of Verific	ation		_	-	-		
Date	e of Refrige	rant Gauge	e Calibration		(must be checked mor			
Date	of Thermo	ocouple Ca	libration		(must be checked mor	nthly)		
edure Note: ' proced	es for Deter The system lure.	mining Re should be	frigerant Charge	e using the Standard	or air dry-bulb 55°F Method are available is with the manufacturer's	n RACM	, Appendix I	R <i>D2</i> . re starting th
	Temperatu		o) air dry-bulb (temperature (Tsupply	, db)		°F	
	•			temperature (Treturn			°F	
							°F	
Return (evaporator entering) air wet-bulb temperature (Treturn, wb) Evaporator saturation temperature (Tevaporator, sat)							°F	
Suction line temperature (Tsuction, db)							°F	
Condenser (entering) air dry-bulb temperature (Tcondenser, db)					°F			
-				- 01 - 01				
				Refrigerant Charge			٥F	
			tion, db – Tevap	Mator, sat			°F	
Target Superheat (from Table RD-2) Actual Superheat – Target Superheat (System passes if between -5 and +5°F) °F								
				r Adequate Airflow	on -5 and ·5 1)			
Split	Method Ca	ilculation i	s not necessary	if Adequate Airflow o	redit is taken		1 o= 1	
Actual Temperature Split = T return, db Tsupply, db							°F	

Target Temperature Split (from Table RD3)

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)

NSTALLATION CERTIFICATE	(Page 6 01 12) C1 - 010
ite Address 2646 14TH ST	Permit Number 0518513
tandard Charge Measurement Summary: System shall pass both refrigerant charge and adequate airflow calcula measurements. If corrective actions were taken, both criteria must be r	tion criteria from the same emeasured and recalculated.
✓ ☐ Yes ☐ No System Passes	
Alternate Charge Measurement Procedure (outdoor air dry-bulb be Note: The system should be installed and charged in accordance with the manuverification shall be documented on CF-6R before starting this procedure. If outland use the Standard Charge Measure Procedure: Procedures for Determining Refrigerant Charge using the Alternate Method and Charge Using the Alternate Using the Alternate Using the Charge Us	atdoor air dry-bulb is 55 °F or above, installer
Weigh-In Charging Method for Refrigerant Charge	ft
Actual liquid line length:	ft
Manufacturer's Standard liquid line length:	ft
Difference (Actual – Standard): Manufacturer's correction (ounces per foot) x difference in length = (+ = add) (- = remove	ounces)
Measured Airflow Method for Adequate Airflow Verification available in RAGE Calculated Airflow: Cooling Capacity (Btu/hr) X 0.033 (cfm/Btu-hr) Measured Airflow is CFM (Measured airflow must be greater to the summary: System shall pass both refrigerant charge and adequate airflow calculation corrective actions were taken, both criteria must be remeasured and recalculation. ✓ □ Yes □ No System Passes	han the calculated airflow). n criteria from the same measurements. If
1	
Installing Subcontractor (Co. Name) OR General Contractor (Co. Name) OR Owner	
	3-06
Copies to: BUILDING DEPARTMENT, HERS RATER (IF APPLICABLE) BUI	LDING OWNER AT OCCUPANCY

			<u> </u>	ON (ER	<u> </u>			e 8 of 12) CF-6R
Sit	te Ado	iress	26	46 1	4TI	H ST	Permi	t Numl	^{oer} 0518513
	————				<u> </u>				
				DRA					
						air handler watt draw are available in RACM, Appendix	RE3.2.		
_		nod F				aw Measurement			
		-+	RE3			able Watt Meter Measurement			
\vdash			RE3	0.2.2	Oun	ty Revenue Meter Measurement			
-						Managed For West D			7
-				М	2961176	Measured Fan Watt Draw			Watts
				1410	, asur	Enter results of Watts/cfm			
						Enter results of watts/cfm	✓		Watts/cfm
\vdash					Mea	sured fan watt/cfm draw is equal to or lower than the		<u> </u>	-
٧		/es		No		vatt/cfm draw documented in CF-1R		П	
					1411	Yes is a pass	Pass	Fail	
						1 to 15 a pass	1 433	ran	
✓		DEO	UAT	E AIR	FLO	W VERIFICATION			
						airflow are available in RACM, Appendix RE3.1.			
~						surement			
			RE4			gnostic Fan Flow Using Flow Capture Hood			
			RE4	.1.2	Diag	mostic Fan Flow Using Plenum Pressure Matching			
			RE4.	.1.3		mostic Fan Flow Using Flow Grid Measurement			
	□ Ye	s		No	Duc	t design exists on plans			
						Measured Airflow:			Total cfm
						Rated Tons cfm/ton			cfm/ton
✓	Y	es	□ N	0	Mea	sured airflow is greater than the criteria in Table RE-2	1	✓	
								П	7
						Yes is a pass	Pass	Fail	
_						1 to 15 a pass	1 488	ran	_
✓	□м	AXIM	1 UM	I COC	LIN	G CAPACITY			
						ximum cooling load capacity are available in RACM, Ap	nendix	RF3	
1	1	ĎΣ				Adequate airflow verified (see adequate airflow credit)	pondice	14 5.	-
2	1					Refrigerant charge or TXV			_
	 	ļ							_
3	1		es .	ום	No	Duct leakage reduction credit verified			
4	1		Zes	D	ν _ο	Cooling capacities of installed systems are ≤ to maximu		ing	-
	<u> </u>		. 00		,,,	capacity indicated on the Performance's CF-1R and RI			<u> </u>
_			,		.	If the cooling capacities of installed systems are > than	maxim	um	✓ ✓
5	1	Z	res		No	cooling capacity in the CF-1R, then the electrical input	for the		
						installed systems must be ≤ to electrical input in the CF	`-1 R .		
	!					Yes to 1, 2, and 3; and Yes to either 4	or 5 is	a pass	Pass Fail
<u>√</u> [.	7	СПБ	cr.	A I'D C	O NI IN	ITIONER			
₽ Ľ	_ HI	on E	CK A	AIR C	UND	THONER available in RACM, Appendix RI.			
1	ceaur √					EED volves of installed austern models the CE 1D			
2	7	☑ Y ☑ Y		10		EER values of installed systems match the CF-1R For split system, indoor coil is matched to outdoor coil		 	
3	1				- +				V V
		☑ Y	es		·	Time Delay Relay Verified (If Required)			
						Yes to 1 and 2; and 3 (If Required	l) is a p	ass 7	Pass Fail
	nstall	ing Su	ıbcor	itracte	(Co.	Name) OR General			
	Contra	ictor (Co. 1	Vapne)	OX C	Owner (
L	Signat			161	12				
			Ŀ	W		Date: 1-13-06	*		
Cop	ies to:	BUIL	.Dy X (d.	G DEP	ART	MENT, HERS RATER (IF APPLICABLE) BUILDING OV	VNER A	T OC	CUPANCY

Residential Compliance Forms

DESCRIPTION OF WORK,

PAXED PERMIT APPLICATION (certain restrictions apply) DEVELOPMENT SERVICES DIVISION Pax # 916-264-1901

NOV 2.1. 2005 axed exquest must be received in this office by 3:00 p.m. to be processed the following work day.

Noted Wark started before a Building Parmit is issued <u>will be subject to attail fee</u>

SHN ORDER TO PROCESS THIS REQUEST, ALL THE FOLLOWING INFORMATION MUST BE PROVIDED:

OB ADDRESS. - CONTACT PERSON: Linda A RESIDENTIAL APARTMENTS (4+ units per building) 2646-14th Street UNITH **# CONTACT PHONE:** COMMERCIAL (Mailed) CONTRACT PRICE S 19, 753,

	The same of the sa			
Property Owner: Moore Family Trast: Carolyn Carr	unily Trast: Carolyan C	-	Contractor: Park Mechanical, Inc.	License # 335561
Address: 2646-14x Street	Etreet "	,	7975 Ramona Avenue	
Cinvisialcizin: Sacto CA 958/8	CA 9588	Clty/State/Zip	City/Sinte/Zip: Sacramento, CA 95826	
Phone: 916-712-3914	3914	Phone: 916-452-4154	452-4154 FAX: 916-452-5557	452-5557
VATURE OF REQUEST:	Indicate from the selection	Indicate from the selections below & provide details under	er description of work.	
RENGOF (excluding life)	A IIVAC INSTALLATIONS	☐ WATER HEATER	Minor ELECTRIC and/or	O PUBLIC UTILITIES
C) THAR-OFF	(racidantial ONLY)	(residential ONLY) GAS CI ELECTRIC	MINOR PLUMBING	SARGTY INSPECTION*
C) HOUSE C) GARAGE	O Heal Pump	C) Clunge-out	C) Electric Service Change	
A OF STONES	Split system	D Electric to Gas		□ SMUD
Malerial:	Cul-tn	O New	LI New electric circuits	aOa
	Usit jo gas.		O Re-wire	ur op
☐ SIDING	© Wall furnice		13 Water Service Replacement	• • • •
	below)	DAMAGE REVAIR	O Sewer Service Replacement	*NOTE: Correction Notice Items
D Forts	Value of duct works:	(Describe locations below)	O Gas Line Replacement	will require an additional
O streso	Equipment: \$			building permit
		Notes		
Pesign Review approved may be required in certain areas.	Note: Design Review approval may be required for youldan units.	Besign Review approval may be required in certific areas.		,
				The state of the s