

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0403306

Insp Area: 4

Thos Bros: 277E7

Site Address: 2301 NORTHGATE BL SAC

Parcel No: 274-0110-040

SUITE 2327

Sub-Type: COM

Housing (Y/N): N

CONTRACTOR

BEUTLER HEATING AND AIR  
4700 LANG AV  
MC CLELLAN CA 95652

OWNER

WARWICK DAVID R & MARIANNE A  
5730 BENNETT VALLEY RD  
SANTA ROSA, CA 95404

ARCHITECT

Nature of Work: HVAC CHANGE OUT ROOF MOUNT UNIT. title 24 in folder.

CONSTRUCTION LENDING AGENCY : I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name \_\_\_\_\_ Lender's Address \_\_\_\_\_

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class C20 License Number 162634 Date 3/5/04 Contractor Signature [Signature]

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed ~~contractors to construct the project~~ (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, ~~and who contracts for such projects with a contractor(s)~~ licensed pursuant to the Contractors License Law).

I am exempt under Sec. \_\_\_\_\_ B & PC for this reason: NEIGHBORHOODS IN CARE AND DEVELOPMENT SERVICES

Date \_\_\_\_\_ Owner Signature [Signature]

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and herby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 3/5/04 Applicant/Agent Signature [Signature]

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier U. S. FIRE INSURANCE CO Policy Number 4060323243 Exp Date 04/01/2004

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

Date 3/5/04 Applicant Signature [Signature]

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

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

# CERTIFICATE OF COMPLIANCE

Part 1 of 2

MECH-1

PROJECT NAME Unit Replacement		DATE 3/5/2004
PROJECT ADDRESS 2327 Northgate Blvd North Sacramento		Building Permit #
PRINCIPAL DESIGNER - MECHANICAL	TELEPHONE	
DOCUMENTATION AUTHOR Beutler Mechanical	TELEPHONE (916) 646-2222	Checked by/Date Enforcement Agency Use

# CITY COPY

### GENERAL INFORMATION

DATE OF PLANS	BUILDING CONDITIONED FLOOR AREA 900 Sq.Ft.	CLIMATE ZONE 12
BUILDING TYPE	<input checked="" type="checkbox"/> NONRESIDENTIAL	<input type="checkbox"/> HIGH RISE RESIDENTIAL
PHASE OF CONSTRUCTION	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> ADDITION
METHOD OF MECHANICAL COMPLIANCE	<input checked="" type="checkbox"/> PRESCRIPTIVE	<input type="checkbox"/> PERFORMANCE
PROOF OF ENVELOPE COMPLIANCE	<input type="checkbox"/> PREVIOUS ENVELOPE PERMIT	<input type="checkbox"/> ENVELOPE COMPLIANCE ATTACHED

### STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building mechanical requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR Mark A. Zentner	SIGNATURE 	DATE 3/5/04
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The Principal Mechanical Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the mechanical requirements contained in Sections 110 through 115, 120 through 124, 140 through 142, 144 and 145.

Please check one:

- I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, or mechanical engineer or I am a licensed architect.
- I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
- I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described pursuant to Business and Professions Code sections 5537, 5538, and 6737.1.

PRINCIPAL MECHANICAL DESIGNER - NAME	SIGNATURE	DATE	LIC. #
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### MECHANICAL MANDATORY MEASURES

Indicate location on plans of Note Block for Mandatory Measures

### INSTRUCTIONS TO APPLICANT

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

MECH-1: Required on plans for all submittals. Parts 2 may be incorporated in schedules on plans.

MECH-2: Required for all submittals, but may be incorporated in schedules on plans.

MECH-3: Required for all submittals unless required outdoor ventilation rates and airflows are shown on plans per Section 4.3.4.

MECH-4: Required for Prescriptive submittals.

MECH-5: Optional. Performance use only for mechanical distribution summary.

# CERTIFICATE OF COMPLIANCE

Part 2 of 2

MECH-1

PROJECT NAME <b>Unit Replacement</b>	DATE <b>3/5/2004</b>
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## SYSTEM FEATURES

SYSTEM NAME	MECHANICAL SYSTEMS		AC-1		NOTE TO FIELD
TIME CONTROL	Programmable Switch				
SETBACK CONTROL	Heating & Cooling Required				
ISOLATION ZONES	n/a				
HEAT PUMP THERMOSTAT?	n/a				
ELECTRIC HEAT?	n/a				
FAN CONTROL	Constant Volume				
VAV MINIMUM POSITION CONTROL?	No				
SIMULTANEOUS HEAT/COOL?	No				
HEATING SUPPLY RESET	Constant Temp				
COOLING SUPPLY RESET	Constant Temp				
HEAT REJECTION CONTROL	n/a				
VENTILATION	Air Balance				
OUTDOOR DAMPER CONTROL	Auto				
ECONOMIZER TYPE	No Economizer				
DESIGN O.A. CFM (MECH-3, COLUMN I)	225 cfm				
HEATING EQUIPMENT TYPE	Gas Furnace				
HEATING EQUIPMENT EFFICIENCY	80% AFUE				
COOLING EQUIPMENT TYPE	Packaged DX				
COOLING EQUIPMENT EFFICIENCY	10.5 SEER / 9.0 EER York D1NA030N03606				
MAKE AND MODEL NUMBER					
PIPE INSULATION REQUIRED?	Yes				
PIPE/DUCT INSULATION PROTECTED?	Yes				
HEATING DUCT LOCATION	R-VALUE	Ducts in Attic	4.2		
COOLING DUCT LOCATION	R-VALUE	Ducts in Attic	4.2		
VERIFIED SEALED DUCTS IN CEILING/ROOF SPACE	No				

CODE TABLES: Enter code from table below into columns above.

HEAT PUMP THERMOSTAT?	Y: Yes N: No	TIME CONTROL	SETBACK CTRL.	ISOLATION ZONES	FAN CONTROL
ELECTRIC HEAT?		S: Prog. Switch O: Occupancy Sensor M: Manual Timer	H: Heating C: Cooling B: Both	Enter Number of Isolation Zones.	I: Inlet Vanes P: Variable Pitch V: VFD O: Other C: Curve
VAV MINIMUM POSITION CONTROL?		VENTILATION	OUTDOOR DAMPER	ECONOMIZER	O.A. CFM
SIMULTANEOUS HEAT / COOL?		B: Air Balance C: Outside Air Cert. M: Out. Air Measure D: Demand Control N: Natural	A: Auto G: Gravity	A: Air W: Water N: Not Required EC: Economizer Control See Section 144(e)3	Enter Outdoor Air CFM. Note: This shall be no less than Col. H on MECH-3.
HEAT AND COOL SUPPLY RESET?					
HIGH EFFICIENCY?					
PIPE INSULATION REQUIRED?					
PIPE/DUCT INSULATION PROTECTED?					
SEALED DUCTS IN CEILING/ROOF SPACE?					

### NOTES TO FIELD - For Building Department Use Only



PROJECT NAME <b>Unit Replacement</b>	DATE <b>3/5/2004</b>
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DESCRIPTION	Designer	Enforcement
<b>Equipment and Systems Efficiencies</b>		
<input type="checkbox"/> § 111 Any appliance for which there is a California standard established in the Appliance Efficiency Regulations will comply with the applicable standard.		
<input type="checkbox"/> § 115(a) Fan type central furnaces shall not have a pilot light.		
<input type="checkbox"/> § 123 Piping, except that conveying fluids at temperatures between 60 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.		
<input type="checkbox"/> § 124 Air handling duct systems shall be installed and insulated in compliance with Sections 601, 603 and 604 of the Uniform Mechanical Code.		
<b>Controls</b>		
§ 122(e) Each space conditioning system shall be installed with one of the following:		
<input checked="" type="checkbox"/> § 122(e)1A Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of Section 112 (d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends; incorporate an automatic holiday "shut-off" feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation; and has program backup capabilities that prevent the loss of the device's program and time setting for at least 10 hours if power is interrupted; or		
<input type="checkbox"/> § 122(e)1B An occupancy sensor to control the operating period of the system; or		
<input type="checkbox"/> § 122(e)1C A 4-hour timer that can be manually operated to control the operating period of the system.		
<input checked="" type="checkbox"/> § 122(e)2 Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.		
<input type="checkbox"/> § 122(g) Each space conditioning system serving multiple zones with a combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall not exceed 25,000 square feet; shall be provided with isolation devices, such as valves or dampers, that allow the supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.		
<input checked="" type="checkbox"/> § 122(a&b) Each space conditioning system shall be controlled by an individual thermostat that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degrees F or lower. For cooling, the control shall be adjustable up to 85 degrees F or higher. Where used for both heating and cooling, the control shall be capable of providing a deadband of at least 5 degrees F within which the supply of heating and cooling is shut off or reduced to a minimum.		
<input checked="" type="checkbox"/> § 122(c) Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.		
<input type="checkbox"/> § 112(b) Heat pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.		

PROJECT NAME <b>Unit Replacement</b>	DATE <b>3/5/2004</b>
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Description	Designer	Enforcement
<b>Ventilation</b>		
<input checked="" type="checkbox"/> § 121(e) Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified on these plans.		
<input type="checkbox"/> § 122(f) Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.		
<input type="checkbox"/> § 122(f) All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.		
<input type="checkbox"/> § 121(f)1 Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1989); or		
<input checked="" type="checkbox"/> § 121(f)2 Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licenced C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or		
<input type="checkbox"/> § 121(f)3 Outside Air Measurement: The system shall be equipped with a callbrated local or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a readily accessible display divice; or		
<input type="checkbox"/> § 121(f)4 Another method approved by the Commission.		
<b>Service Water Heating Systems</b>		
<input type="checkbox"/> § 113(b)2 If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.		
<input type="checkbox"/> § 113(b)3B Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110 degrees F.		
<input type="checkbox"/> § 113(b)3C Lavatories in restrooms of public facillties shall be equipped with one of the following:  Outlet devices that limit the flow of hot water to a maximum of 0.5 gallons per minute.  Foot actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.  Proximity sensor actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.  Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.25 gallons/cycle (circulating system).  Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.50 gallons/cycle (non-circulating system).  Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.75 gallons/cycle (foot switches and proximity sensor controls).		