



Application for Building Permit

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Date: _____	Permit No.: _____	Plan Check No.: _____
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Project Address: _____
 (Lot #, Bldg #, or Suite #): _____ Assessor's Parcel No. _____

Property Owner
 Name: _____
 Email: _____ Phone: _____ Fax: _____
 Mailing Address: _____ City/State/Zip: _____

Licensed Design Professional Information (Architect or Engineer in charge of the project)
 Name: _____ Lic. #: _____
 Email: _____ Phone: _____ Fax: _____
 Mailing Address: _____ City/State/Zip: _____

Licensed Contractor Information
 Company Name: _____ Lic. # _____
 Email: _____ Phone: _____ Fax: _____
 Mailing Address: _____ City/State/Zip: _____

Project Contact Owner Design Professional Contractor Other: _____
 Name: _____
 Email: _____ Phone: _____ Fax: _____

Residential	Commercial
<input type="checkbox"/> Accessory Building <input type="checkbox"/> Addition <input type="checkbox"/> Demolition <input type="checkbox"/> Electric Service Change <input type="checkbox"/> HVAC Changeout <input type="checkbox"/> Manufactured Home <input type="checkbox"/> Master Plan - Clone <input type="checkbox"/> Misc. Structures <input type="checkbox"/> Multi Family (3 & 4 units) <input type="checkbox"/> Partial <input type="checkbox"/> Plan Change <input type="checkbox"/> Remodel/Repair <input type="checkbox"/> Remodel/Repair(Express) <input type="checkbox"/> Reroof <input type="checkbox"/> Single Family (Engineered) <input type="checkbox"/> Single Family <input type="checkbox"/> Site <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Water Heater	<input type="checkbox"/> Addition <input type="checkbox"/> Commercial Coach <input type="checkbox"/> Demolition <input type="checkbox"/> Holiday Sales Lot <input type="checkbox"/> HVAC Changeout <input type="checkbox"/> Interagency <input type="checkbox"/> Misc. Structures <input type="checkbox"/> Multi Family (>than 4 units) <input type="checkbox"/> New Building <input type="checkbox"/> Partial <input type="checkbox"/> Photovoltaic <input type="checkbox"/> Plan Change <input type="checkbox"/> Remodel/Repair <input type="checkbox"/> Remodel/Repair (Express) <input type="checkbox"/> Reroof <input type="checkbox"/> Service Change <input type="checkbox"/> Shell <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Tenant Improvement <input type="checkbox"/> Water Heater

Description of Work: _____

Value (include all LABOR & MATERIALS) \$ _____ Construction type: _____ Occupancy: _____
 Need: Temp Power Pole? _____ Water Meter? Size _____ Fire Sprinklers: Yes _____ No _____

Application for Permit

Address:

Permit #:

Identify Permit Holder of Record

This permit is to be issued in the name of the LICENSED CONTRACTOR or the PROPERTY OWNER as the permit holder of record who will be responsible and liable for the construction.

Permit Holder's Name: _____ Phone #: _____

Mailing Address: _____ City/State/Zip _____

Identify who will Perform the Work

(COMPLETE THE "CALIFORNIA LICENSED CONTRACTORS DECLARATION" OR THE "OWNER-BUILDER DECLARATION")

California 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.

CA Contractors License Number: _____ Class: _____ Expiration Date: _____

Contractor or Authorized Agent's Signature: _____ Date: _____

Owner-Builder Declaration

I hereby affirm under penalty of perjury that I am exempt from the Contractors State License Law for the following reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Sec.7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors State License Law [Chapter 9 {commencing with Section 7000} of Division 3 of the Business and Professions Code] or that he or she is exempt from licensure 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]).

Please **check all that apply** for the following:

I, as owner of the property, or my employees with wages as their sole compensation, will do

ALL OF or **PORTIONS OF the work**, and the structure is not intended or offered for sale. (Section 7044, Business and Professions Code: The Contractors State License Law does not apply to an owner of the property, who through employees' or personal effort, builds or improves the property, provided that the 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 it was not built or improved for the purpose of sale.)

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

I am exempt from licensure under the Contractors State License Law for the following reason:

By my signature below, I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: <http://www.legalinfo.ca.gov/calaw.html>

Property Owner or Authorized Agent's Signature*: _____ Date: _____

*Owner/Builders must complete the owner builder form.

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Address: _____

Permit #: _____

Identify the 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 (3097 Civil Code).

Lender's Name _____

Mailing Address _____ City/State/Zip _____

Identify Worker's Compensation Coverage

WARNING: Failure to secure workers' 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 for the Labor Code, interest, and attorney's fees. 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, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy No. _____

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 worker's compensation insurance carrier and policy number are:

Insurance Carrier _____ Policy # _____ Exp. Date _____

Name of Insurance Agent: _____ Phone _____

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.

Contractor, Property Owner, or Authorized Agent's Signature: _____

Date _____

Agreements and Authorization

BY MY SIGNATURE BELOW, I CERTIFY TO EACH OF THE FOLLOWING STATEMENTS:

I am the property owner, contractor, or authorized to act on the property owner's or contractor's behalf. I have read this application and the information I have provided is correct. I agree to comply with all applicable City and County ordinances, rules, regulations, and State laws relating to building construction, and with any and all conditions of permit. I agree to defend, indemnify, and hold harmless the City of Redding, its officers, agents, and employees from any and all claims and liability for personal injury, including death, and property damage caused by, arising out of, or in any way connected with the issuance of this permit. I hereby acknowledge that issuance of this permit does not authorize the use or occupancy of any sidewalk, or street. I authorize representatives of the City of Redding to enter the above mentioned property for inspection purposes.

This permit expires if the building or work authorized herein is not commenced within 180 days or abandoned. After expiration, this permit must be renewed before the work may be commenced again.

I authorize City representatives to enter the premises during normal business hours as may be necessary to perform the duties imposed by the California Building Standards Code.

I agree to comply with all City of Redding ordinances, State, and Federal laws relating to building construction.

Contractor, Property Owner, or Authorized Agent's Signature*: _____ Date _____

Print Name: _____ **Relationship to Project:** _____

**Authorized Agent's signature requires separate authorization form*

HVAC Information Sheet

Project Address: _____

Complete the information in the table below as it applies to the work that will be performed.

# of Units to Install	Equipment	Tons/ BTU's	# New Electric Circuits	# New Gas Lines
	Split System			
	Package Unit			
	Heat Pump			
	Furnace			
	Air Conditioning Only			
	Condensing Unit Change Out			
	Duct Installation			
	*Heating/Cooling Coil Change Out			
	*Heat Exchanger Change Out			
	*Condenser Change Out			
	Other _____			

- A signed copy of the *2008 Building Energy Efficiency Standards HVAC Changeouts and Repairs*, acknowledging that you are aware of your responsibilities with respect to the Energy Code and the required HERS testing must accompany this application.
- For residential projects, no new mechanical equipment may be installed on a roof unless the previous mechanical equipment was installed on the roof

* At this time, permits are not required for this work. However, the duct testing is still required per the requirements of the Building Energy Efficiency Standards.

Applicant Signature: _____ Date: _____



REQUIRED FORMS FOR TITLE 24 COMPLIANCE FOR COMMERCIAL H.V.A.C CHANGE OUTS

REDDING
CALIFORNIA
City of Redding
777 Cypress Avenue
Redding CA 96001
Telephone:
(530) 225-4013
FAX: (530) 225-4360

The following is a list of typical forms for the most common commercial HVAC replacement units. These forms are to be provided at the time of final inspection to the building inspector. All forms can be downloaded from the California Energy Commission at the following link:

http://www.energy.ca.gov/title24/2008standards/nonresidential_manual.html

- MECH-1A – Will no longer be used. Required information has been transferred to MECH -2A and other Mechanical Acceptance forms.
- MECH-2A – Minimum ventilation controls for all constant and variable air volume systems.
- MECH-3A – Zone temperature and scheduling controls for all constant volume, single-zone, unitary air conditioner and heat pump systems.
- MECH-4A – Duct leakage on a subset of small single-zone systems depending on the ductwork location.
- MECH-5A – Air economizer controls for all economizers that are not factory installed and tested.
- MECH-6A – All demand-controlled ventilation control systems.
- MECH-7A – All supply fan variable flow controls.
- MECH-8A – Valve Leakage for hydronic variable flow systems and isolation valves on chillers and boilers in plants with more than one chiller or boiler being served by the same primary pumps through a common header.
- MECH-9A – Supply water temperature reset control strategies programmed into the building automation system for any water systems (i.e. chilled, hot, or condenser water).
- MECH-10A – Hydronic Variable flow controls on any water system where the pumps are controlled by variable frequency drives (i.e. chilled and hot water systems; water-loop heat pump systems).
- MECH-11A – Automatic Demand Shed Control.
- MECH-12A – Fault Detection & Diagnostic for DX Units.
- MECH-13A – Automatic Fault Detection and Diagnostic Systems (AFDD).
- MECH-14A – Distributed Energy Storage DEC/DX AC systems.
- MECH-15A – Thermal Energy Storage (TES) systems.

2005 BUILDING ENERGY EFFICIENCY STANDARDS
HVAC CHANGEOUTS AND REPAIRS

Section 152 - Energy Efficiency Standards for Additions and Alterations in Existing Buildings that will be Low-Rise Residential Occupancies

- D. When more than 40 feet of new or replacement space-conditioning ducts are installed in unconditioned space, the new ducts shall meet the requirements of Section 150 (m) and the duct insulation requirements of Package D Section 151 (f) 10, and if in climate zones 2, 9, 11 (Redding is 11), 12, 13, 14, 15, or 16, and the duct system shall be sealed as confirmed through field verification and diagnostic testing in accordance with procedures for duct sealing of existing duct systems as specified in the Residential ACM manual, to meet one of the following requirements:
- i. If the new ducts form an entirely new duct system directly connected to the air handler, the measured duct leakage shall be less than 6% of fan flow; or
 - ii. If the new ducts are an extension of an existing duct system, the combined new and existing duct system shall meet one of the following requirements:
 - a. The measured duct leakage shall be less than 15% of fan flow; or
 - b. The measured duct leakage to outside shall be less than 10% of fan flow; or
 - c. The duct leakage shall be reduced by more than 60% relative to the leakage prior to the installation of the new ducts and a visual inspection including a smoke test shall demonstrate that all accessible leaks have been sealed; or
 - d. If it is not possible to meet the duct sealing requirements of Subsection a, b, or c, all accessible leaks shall be sealed and verified through a visual inspection and a smoke test by a certified HERS rater.
- E. In climate zones 2, 9, 10, 11, 12, 13, 14, 15, and 16, when a space-conditioning system is altered by the installation or replacement of space-conditioning equipment (including replacement of the air handler, outdoor condensing unit of a split system air conditioner or heat pump, cooling or heating coil, or the furnace heat exchanger) the duct system that is connected to the new or replacement space-conditioning equipment shall be sealed, as confirmed through field verification and diagnostic testing in accordance with procedures for duct sealing of existing duct systems as specified in the Residential ACM manual, to one of the following requirements:
- i. The measured duct leakage shall be less than 15% of fan flow; or
 - ii. The measured duct leakage to outside shall be less than 10% of fan flow; or
 - iii. The measured duct leakage shall be reduced by more than 50% relative to the measured leakage prior to the installation or replacement of the space conditioning equipment and a visual inspection including a smoke test shall demonstrate that all accessible leaks have been sealed; or
 - iv. If it is not possible to meet the duct requirements of i, ii, or iii, all accessible leaks shall be sealed and verified through a visual inspection and a smoke test by a certified HERS rater.

EXCEPTION 1 to Section 152 (b) 1 E: Duct systems that are documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Residential ACM manual.

EXCEPTION 2 to Section 152 (b) 1 E: Duct systems with less than 40 linear feet in unconditioned spaces.

EXCEPTION 3 to Section 152 (b) 1 E: Existing duct systems constructed, insulated or sealed with asbestos.

Section 149 - Additions, Alterations, and Repairs to Existing Buildings that will be Non-Residential, High Rise Residential, and Hotel/Motel Occupancies

- C. New space-conditioning systems or components other than new or replacement space conditioning ducts shall meet the requirements of Section 144 applicable to the systems or components being altered; and

EXCEPTION to Section 149(b) 1C: Section 144 (I) applies only to expansions of more than 300 tons to existing chilled water plants.

- D. When new or replacement space-conditioning ducts are installed to serve an existing building, the new ducts shall meet the requirements of Section 124, and if they meet the criteria of Section 144(k) 1, 2, and 3, the duct system shall be sealed and labeled as confirmed through field verification and diagnostic testing in accordance with procedures for duct sealing of existing duct systems as specified in the Nonresidential ACM manual, to meet one of the following requirements:
- i. If the new ducts form an entirely new duct system directly connected to the air handler, the measured duct leakage shall be less than 6% of fan flow; or
 - ii. If the new ducts are an extension of an existing duct system, the combined new and existing duct system shall meet one of the following requirements:
 - a. The measured duct leakage shall be less than 15% of fan flow; or
 - b. The duct leakage shall be reduced by more than 60% relative to the leakage prior to the equipment having been replaced and a visual inspection shall demonstrate that all accessible leaks have been sealed; or
 - c. If it is not possible to meet the duct sealing requirements of Subsections a. or b., all accessible leaks shall be sealed and verified through a visual inspection by a certified HERS rater.

EXCEPTION to Section 149 (b) 1 D ii: Existing duct systems that are extended, which are constructed, insulated or sealed with asbestos.

- E. When a space conditioning system is altered by the installation or replacement of space conditioning equipment (including replacement of the air handler, outdoor condensing unit of a split system air conditioner or heat pump, cooling or heating coil, or the furnace heat exchanger), the duct system that is connected to the new or replaced space conditioning equipment, if the duct system meets the criteria of Section 144 (k) 1, 2, and 3, shall be sealed, as confirmed through field verification and diagnostic testing in accordance with procedures for duct sealing of existing duct systems as specified in the Nonresidential ACM manual, to one of the requirements of Section 149 (b) 1 D; and

EXCEPTION 1 to Section 149 (b) 1. E.: Buildings altered so that the duct system no longer meets the criteria of Section 144 (k) 1, 2, and 3.

EXCEPTION 2 to Section 149 (b) 1. E.: Duct systems that are documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Nonresidential ACM manual.

EXCEPTION 3 to Section 149 (b) 1. E.: Existing duct systems constructed, insulated or sealed with asbestos.

Signature _____

Date _____