

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0611950
Insp Area: 1
Thos Bros: 297D3

Site Address: 917 G ST SAC
Parcel No: 002-0151-030

Sub-Type: REP
Housing (Y/N): N

CONTRACTOR
MOSBURG HEATING AND AIR
3422 SWETZER RD STE B
LOOMIS CA 95650

OWNER
VANTASSELL REV TRUSTVANCE J
4021 WOODCREEK OAKS BL
ROSEVILLE, CA 95747

ARCHITECT

Nature of Work: C/O SPLIT SYSTEM HVAC UNIT - AC IN ATTIC & HEAT PUMP TO BACK OF ROOF - HISTORIC PRESERVATION CONDITIONS ATTACHED

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.

X License Class C20 License Number 628674 Date 8/4/06 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 the structure 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 am exempt under Sec. _____ B & PC for this reason: _____

Date _____ Owner Signature _____

PAID
CITY OF SACRAMENTO
AUG 04 2006
NEW CITY HALL

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 hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

X Date 8/4/06 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 REDLAND INSURANCE CO. Policy Number RPS111525-00 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, 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.

X Date 8/6/06 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.

APPLICATION FOR COMMERCIAL BUILDING PERMIT

CITY OF SACRAMENTO
Development Services Department - Building Division

New City Hall
915 I Street, 3rd floor
Sacramento, CA 95834
Fax: 916-808-1901

North Permit Center
2101 Arena Blvd., Suite 200
Sacramento, CA 95834
Fax: 916-808-8370

ACTIVITY # <i>0161950</i>	Insp. Area <i>1</i>
------------------------------	------------------------

Appl. **PAID** ST complete ALL Unshaded areas
CITY OF SACRAMENTO

ADDRESS 917 G Street
PARCEL # 002-015-030

AUG 04 2006 Suite _____

CONTACT		LICENSED CONTRACTOR Lic No. # <u>628674</u>	
Name <u>Mosburg Heating & Air</u>	Street Address <u>3422 Sweetzer Rd #B</u>	Name <u>Mosburg Heating & Air</u>	Address <u>3422 Sweetzer Rd #B</u>
City/State/Zip <u>Loomis CA 95650</u>	Phone <u>652 8533</u> FAX <u>652 8531</u>	City/State/Zip <u>Loomis CA 95650</u>	Phone <u>652 8533</u> FAX <u>652 8531</u>
E-mail: _____		E-mail: _____	
ARCHITECT/ENGINEER		OWNER	
Name <u>None</u>	Address _____	Name <u>Vance VanTassell Trust</u>	Address <u>4021 Woodcreek Oaks Blvd #156</u>
City/State/Zip _____	Phone _____ FAX _____	City/State/Zip <u>PMB-221 Roseville CA 95747</u>	Phone <u>916 444-8633</u> FAX _____
E-mail: _____		E-mail: _____	

→ Will permittee have any employees on the jobsite? No Yes → INSURANCE CO: Redland Ins Co
→ WORKER'S COMPENSATION POLICY # RPB I 11525-00 EXPIRATION DATE: 1/1/07

NATURE OF WORK IN DETAIL: Change out HVAC Split - Relocate Heat Pump to back flat top roof (approved Ellen Schmidt) leaving Air Handler in attic. #ton (3 1/2 ton split)

OCCUPANT/TENANT: Van Tassell Attorney's VALUATION: \$ 8500 -

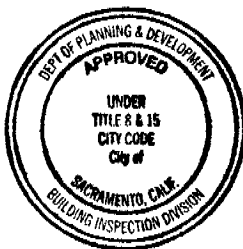
FLOOD STATUS		S.C.A.T.								
JOB DESCRIPTION		BLDG <input type="checkbox"/>	SHELL <input type="checkbox"/>	APT <input type="checkbox"/>	TI () <input type="checkbox"/>	REM () <input type="checkbox"/>	SW <input type="checkbox"/>	FIRE <input type="checkbox"/>	ADD <input type="checkbox"/>	OTHER <input type="checkbox"/>
INSPECTION DISCIPLINES		BLDG	MECH	PLUMB	ELEC	SITE	FIRE			
# Stories	1 st flr Area.	Total Area	Use Zone	Occp Group	Const type	Fire Req. Y/N		Fed Code	Vio. File	
						SPR	ALARM		PW	UTIL
B	L	P	M	E	F	S		D		

COMMENTS:

REGIONAL SANITATION FEES? Yes No HEALTH DEPARTMENT? Yes No
WATER FLOW TEST FOR NEW BUILDINGS OR ADDITIONS? Yes No

0611950 917 G. Street

917 G ST.

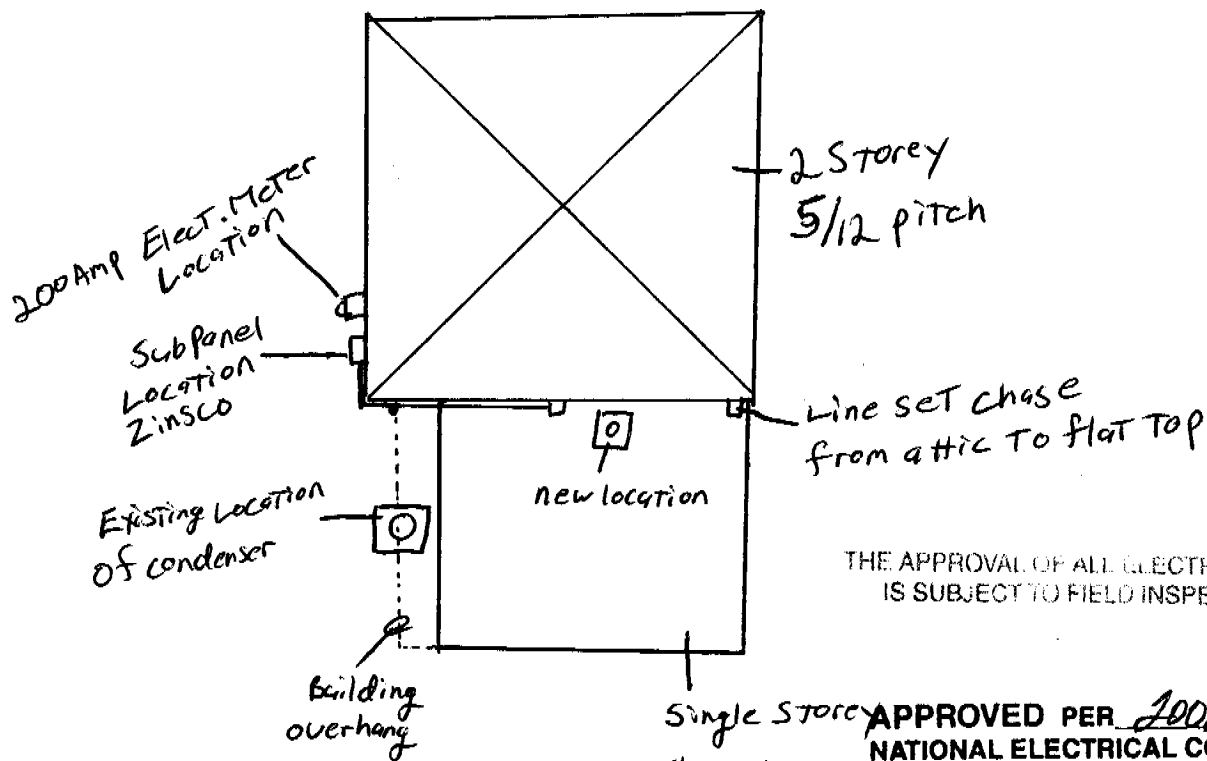


This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division.

The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State Law.

THE APPROVAL OF ALL PLUMBING AND MECHANICAL WORK IS SUBJECT TO FIELD INSPECTIONS

R.M.H. 8-04-06



THE APPROVAL OF ALL ELECTRICAL WORK IS SUBJECT TO FIELD INSPECTIONS.

APPROVED PER 2002 NATIONAL ELECTRICAL CODE AND CITY OF SACRAMENTO AMENDMENTS

CRD B-406 ELECTRICAL DIVISION

Furn in attic	Condenser side Building
Good Man	Lennox
MD# A-36-06	MD# HS1841SP
SR# 9205071748	SR# 9205071748

New System relocate Heat Pump to back of Flat top roof + leave Air Handler in attic. (HP 276 lbs.)
Ventilation to space by operable windows



DEVELOPMENT SERVICES
DEPARTMENT
(916) 808-7185 Fax

CITY OF SACRAMENTO
CALIFORNIA

PRESERVATION OFFICE
915 "I" STREET, RM 300
SACRAMENTO, CA 95814
(916) 808-5962 Phone

CERTIFICATE OF APPROPRIATENESS

File Number:	PB06-081	Applicant:	Tiffany
Address:	917 G Street	Date Filed:	July 28, 2006
Classification:	Contributing	Date Approved:	July 28, 2006
Staff Contact:	Ellen A. Schmidt, 808-5962	APN:	002-0151-010


Project Description: New HVAC

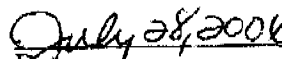
Findings of the Preservation Director/Staff: Preservation Staff has determined the project to be consistent with the Secretary of Interior's Standards for the Treatment of Historic Properties and the goals and policies of Chapter 15.124 of Title 15 of the Sacramento City Code.

Environmental Determination: exempt

The Preservation Director has reviewed the proposed project, and approves it with the following conditions of approval:

1. New condenser shall be located on the lower portion of the rear roof only. All other equipment shall be mounted in the attic.
2. The existing condenser must be removed from its present location on the side of the building.
3. No other exterior work allowed.
4. This decision is not appealable. The applicant may apply for and obtain any necessary approvals.


Ellen Schmidt, Associate Planner


Date

THIS IS NOT A PERMIT TO COMMENCE WORK OR CHANGE OF OCCUPANCY. PERMITS FROM THE BUILDING DIVISION (AND ANY OTHER APPROPRIATE AGENCIES) MUST BE SECURED BEFORE WORK IS STARTED OR OCCUPANCY IS CHANGED.

CERTIFICATE OF COMPLIANCE (Part 1 of 3)		MECH-1-C
PROJECT NAME HVAC CHANGEOUT		DATE 8/4/06
PROJECT ADDRESS 917 G ST, SACRAMENTO		
PRINCIPAL DESIGNER-MECHANICAL MOSBURG	TELEPHONE (916) 652-8533	Building Permit
DOCUMENTATION AUTHOR MOSBURG	TELEPHONE (916) 652-8533	Checked by/Date Enforcement Agency Use
GENERAL INFORMATION		
DATE OF PLANS	BUILDING CONDITIONED FLOOR AREA	CLIMATE ZONE 12
BUILDING TYPE	<input checked="" type="checkbox"/> NONRESIDENTIAL <input type="checkbox"/> HIGH RISE RESIDENTIAL	<input type="checkbox"/> HOTEL/MOTEL GUEST ROOM
PHASE OF CONSTRUCTION	<input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> ADDITION <input checked="" type="checkbox"/> ALTERATION	<input type="checkbox"/> UNCONDITIONED (file affidavit)
PROOF OF ENVELOPE COMPLIANCE	<input type="checkbox"/> PREVIOUS ENVELOPE PERMIT	<input type="checkbox"/> ENVELOPE COMPLIANCE ATTACHED
STATEMENT OF COMPLIANCE		

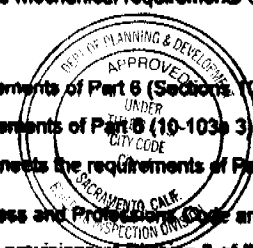
This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building mechanical requirements.

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

DOCUMENTATION AUTHOR MOSBURG	SIGNATURE <i>[Signature]</i>	DATE 8/4/06
--	---------------------------------	-----------------------

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 the applicable parts of Sections 100, 101, 102, 110 through 115, 120 through 125, 142, 144 and 145.

- The plans & specifications meet the requirements of Part 6 (Sections 10-103a, 10-103b, 10-103c, 10-103d, 10-103e, 10-103f, 10-103g, 10-103h, 10-103i, 10-103j, 10-103k, 10-103l, 10-103m, 10-103n, 10-103o, 10-103p, 10-103q, 10-103r, 10-103s, 10-103t, 10-103u, 10-103v, 10-103w, 10-103x, 10-103y, 10-103z).
 - The installation certificates meet the requirements of Part 6 (10-103a, 3).
 - The operation & maintenance information meets the requirements of Part 6 (10-103c).
- Please check one: (These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)
- 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, 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.



This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division of the City of Sacramento. The approval of this plan shall not be held to constitute any City Ordinance or State Law.

PRINCIPAL MECHANICAL DESIGNER-NAME MOSBURG	SIGNATURE <i>[Signature]</i>	DATE 8/4/06	LIC. # 628614
--	---------------------------------	-----------------------	-------------------------

INSTRUCTIONS TO APPLICANT MECHANICAL COMPLIANCE & WORKSHEETS (check box if worksheet is included)	
<input checked="" type="checkbox"/> MECH-1-C	Certificate of Compliance. Part 1 of 3, 2 of 3, 3 of 3 are required on plans for all submittals
<input checked="" type="checkbox"/> MECH-2-C	Certificate of Compliance. Part 1 of 3, 2 of 3, 3 of 3 are required for all submittals, but may be on plans.

AIR SYSTEM REQUIREMENTS (Part 1 of 3) MECH-2-C

PROJECT NAME: New HVAC CHANGEOUT (FURNACE ONLY) DATE: 8/4/06

ITEM or SYSTEM TAG(S) OUTDOOR UNIT AIR SYSTEMS, Central or Single Zone

MANDATORY MEASURES Heat Pump Furnace Only INDOOR UNIT

Section	Reference on Plans or Specification ¹
112(a)	
112(a)	
112(b)	
112(c), 115(a)	
121(b)	
121(b)	
121(c)	
121(c)	
121(c), 122(e)	
122(e)	
122(f)	
122(g)	
123	
124	

- MANDATORY MEASURES**
- Heating Equipment Efficiency
 - Cooling Equipment Efficiency
 - Heat Pump Thermostat
 - Furnace Controls
 - Natural Ventilation
 - Minimum Ventilation
 - VAV Minimum Position Control
 - Demand Control Ventilation
 - Time Control
 - Setback and Setup Control
 - Outdoor Damper Control
 - Isolation Zones
 - Pipe Insulation
 - Duct Insulation

Section	Reference on Plans or Specification ¹
144(a & b)	
144(a & b)	
144(a & b)	
144(a & b)	
144(c)	
144(c)	
144(c)	
144(d)	
144(e)	N/A
144(f)	
144(k)	yes

- PRESCRIPTIVE MEASURES**
- Calculated Heating Capacity²
 - Proposed Heating Capacity²
 - Calculated Cooling Capacity²
 - Proposed Cooling Capacity²
 - Fan Control
 - DP Sensor Location
 - Supply Pressure Reset (DDC only)
 - Simultaneous Heat/Cool
 - Economizer
 - Heat and Cool Air Supply Reset
 - Duct Sealing

1: For each central and single zone air systems (or group of similar units) fill in the reference to sheet number and/or specification section and paragraph number where the required features are documented. If a requirement is not applicable, put "N/A" in the column.

2: Not required for hydronic heating or cooling. Either enter value here or put in reference to plans and specifications per footnote 1.

MECHANICAL VENTILATION AND REHEAT														
PROJECT NAME New HVAC CHANGEOUT (FURNACE ONLY)										DATE 8/4/06				
MECHANICAL VENTILATION (§121(b)2)														
AREA BASIS					OCCUPANCY BASIS				REHEAT LIMITATION (§144(d))					
A	B	C	D	E	F	G	H	I	J	K	L	M	N	
Zone/ System	Condition Area (ft ²)	CFM per ft ²	Min CFM by Area B x C	Num of People	CFM per Person	Min CFM by Occupant E x F	REQ'D V.A. Max of D or G	Design Ventilation Air cfm	30% of Design Zone Supply cfm	B x 0.4 cfm/ft ²	Max of Columns H, J, K, or 300 cfm	Design minimum Air setpoint	Transfer Air	
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
					15									
Totals														Column I Total Design Ventilation Air

C	Minimum ventilation rate per Section §121, Table 121-A.
E	Based on fixed seat or the greater of the expected number of occupants and 50% of the CBC occupant load for egress purposes for spaces without fixed seating.
H	Required Ventilation Air (REQ'D V.A.) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Column D or G).
I	Must be greater than or equal to H, or use Transfer Air (column N) to make up the difference.
J	Design fan supply cfm: (Fan CFM) x 30%; or
K	Condition area (ft ²) x 0.4 cfm/ft ² ; or
L	Maximum of Columns H, J, K, or 300 cfm
M	This must be less than or equal to Column L and greater than or equal to the sum of Columns H plus N.
N	Transfer Air must be provided where the Required Ventilation Air (Column H) is greater than the Design Minimum Air (Column M). Where required, transfer air must be greater than or equal to the difference between the Required Ventilation Air (Column H) and the Design Minimum Air (Column M), Column H minus M.

HVAC MISC. PRESCRIPTIVE REQUIREMENTS: MECH-4-C

PROJECT NAME HVAC CHANGEOUT	DATE 8/4/06
---------------------------------------	-----------------------

FAN POWER CONSUMPTION §144(c)

NOTE: Provide one copy of this worksheet for each fan system with a total fan system horsepower greater than 25 hp for Constant Volume Fan Systems or Variable Air Volume (VAV) Systems when using the Prescriptive Approach.

FAN DESCRIPTION	DESIGN BRAKE HP	EFFICIENCY		NUMBER OF FANS	PEAK WATTS B x E x 746 / (C x D)
		MOTOR	DRIVE		

<p>FILTER PRESSURE ADJUSTMENT Equation. 144-A</p> <p>A) If filter pressure drop is greater than 1 inch W. C. enter filter pressure drop. SP_a on line 4 and Total Fan pressure SP_f on Line 5.</p> <p>B) Calculate Fan Adjustment and enter on line 6.</p> <p>C) Calculate Adjusted Fan Power Index and enter on Row 7</p>	<p>1) TOTAL FAN SYSTEM POWER (WATTS, SUM COLUMN F)</p> <p>2) SUPPLY DESIGN AIRFLOW (CFM)</p> <p>3) TOTAL FAN SYSTEM POWER INDEX (Row 1 / Row 2)¹</p> <p>4) SP_a</p> <p>5) SP_f</p> <p>6) Fan Adjustment = $1 - (SP_a - 1) / SP_f$</p> <p>7) ADJUSTED FAN POWER INDEX (Line 3 x Line 6)¹</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td style="text-align: right;">W/CFM</td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td style="text-align: right;">W/CFM</td></tr> </table>			W/CFM			W/CFM
W/CFM								
W/CFM								

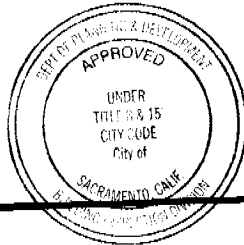
1. TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 w/cfm, for Constant Volume systems or 1.25 w/cfm for VAV systems

ITEM or SYSTEM TAG(S)			
PRESCRIPTIVE MEASURES	T-24 Section	Capacity	Exception
Electric Resistance Heating ¹	§144 (g)		
Heat Rejection System ²	§144 (h)		
Air Cooled Chiller Limitation ³	§144 (i)		

1. Total installed capacity (MBtu/hr) of all electric heat on this project exclusive of electric auxiliary heat for heat pumps. If electric heat is used explain which exception(s) to §144(g) apply.
2. Are centrifugal fan cooling towers used on this project? (Enter "Yes" or "No") If centrifugal fan cooling towers are used explain which exception(s) to §144(h) apply.
3. Total installed capacity (tons) of all chillers and air cooled chillers under this permit. If there are more than 100 tons of air-cooled chiller capacity being installed explain which exception(s) to §144(i) apply.

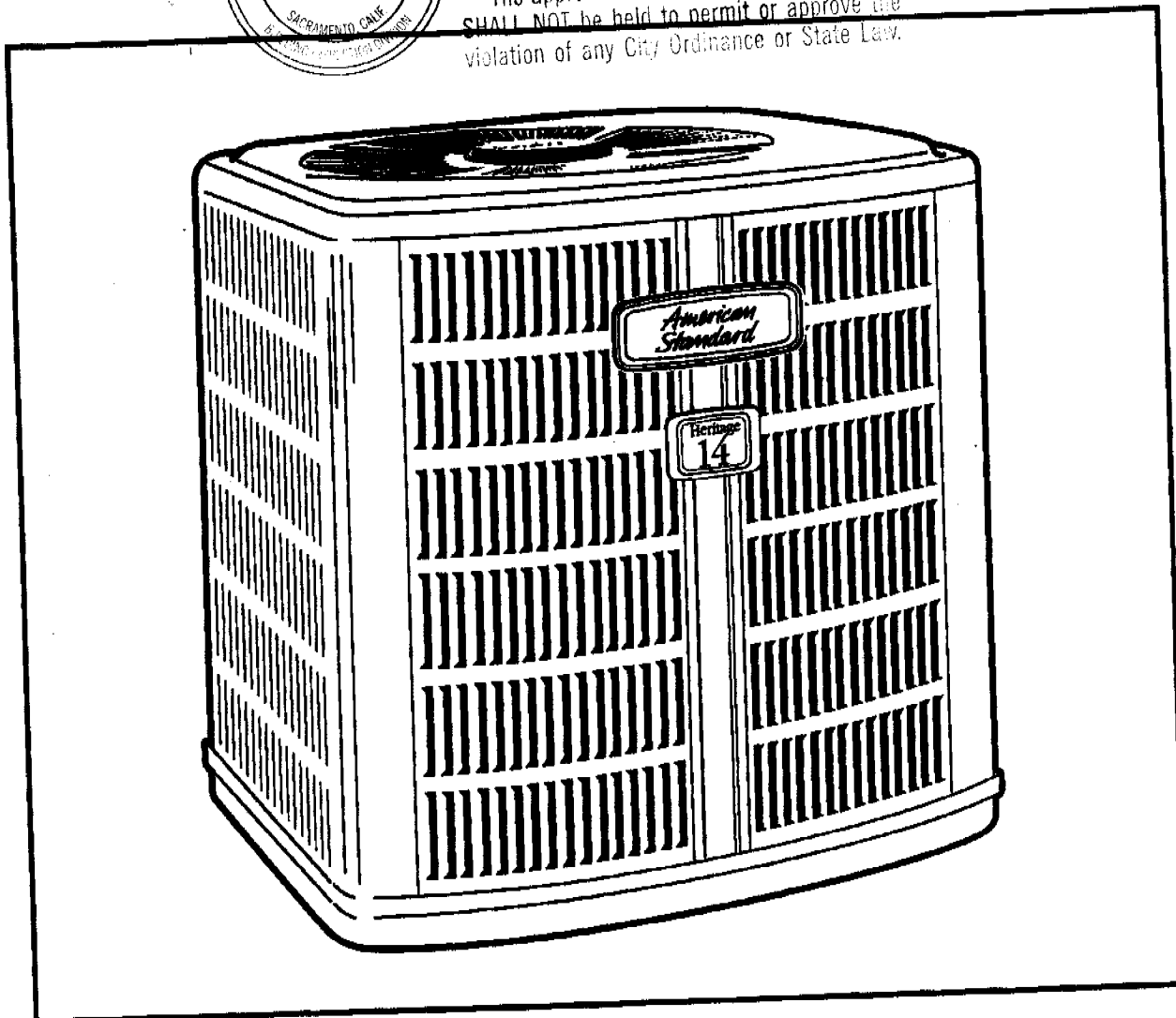
American Standard

**SPLIT SYSTEM HEAT PUMP
1½ — 5 TON**



This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division.

The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State Law.



**HERITAGE® 14
MODELS 4A6H4018-060B**

**PUB. NO. 12-1175-02
March 2005**

PRODUCT DATA

American Standard Inc., Tyler, TX 75711-9010

**General
Data****Product Specifications**

Model No. ①	4A6H4042B1	4A6H4048B1	4A6H4060B1
Electrical Data V/Ph/Hz ②	208/230/1/60	208/230/1/60	208/230/1/60
Min Cir Ampacity	25	30	36
Max Fuse Size (Amps)	40	50	60
Compressor	DURATION™ - SCROLL	DURATION™ - SCROLL	DURATION™ - SCROLL
RL Amps - LR Amps	19.2 - 104	23.1 - 134	27.6 - 158
Outdoor Fan FL Amps	1.3	1.3	1.3
Fan HP	1/8	1/8	1/8
Fan Dia (Inches)	27.6	27.6	27.6
Coil	Spine Fin™	Spine Fin™	Spine Fin™
Refrigerant R-410A	7/04-LB/OZ	9/11-LB/OZ	11/02-LB/OZ
Line Size - (in.) O.D. Gas ③	3/4	7/8	7/8
Line Size - (in.) O.D. Liquid ③	3/8	3/8	3/8
Dimensions H x W x D (Crated)	46.4 x 35.1 x 38.7	46.4 x 35.1 x 38.7	46.4 x 35.1 x 38.7
Weight - Shipping	281	288	326
Weight - Net	245	252	290
Start Components	NO	NO	YES
Sound Enclosure	YES	YES	YES
Compressor Sump Heat	YES	YES	YES
Optional Accessories: ④			
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control A/C	AY28X084	AY28X084	AY28X084
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101
Snow Leg - Base & Cap 4" High	BAYLEGS002	BAYLEGS002	BAYLEGS002
Snow Leg - 4" Extension	BAYLEGS003	BAYLEGS003	BAYLEGS003
Hard Start Kit Scroll	BAYKSKT260	BAYKSKT260	
Extreme Condition Mounting Kit	BAYECMT001	BAYECMT001	BAYECMT001
Refrigerant Lineset ⑤	TAYREFLN7*	TAYREFLN3*	TAYREFLN3*

Accessory Description and Usage

Anti-Short Cycle Timer — Solid state timing device that prevents compressor recycling until 5 minutes have elapsed after satisfying call or power interruptions. Use in area with questionable power delivery, commercial applications, long lineset, etc.

Evaporator Defrost Control — SPST Temperature actuated switch that cycles the condenser off as indoor coil reaches freeze-up conditions. Used for low ambient cooling to 30°F with TXV.

Rubber Isolators — 5 large rubber donuts to isolate condensing unit from transmitting energy into mounting frame or pad. Use on any application where sound transmission needs to be minimized.

Hard Start kit — Start capacitor and relay to assist compressor motor startup. Use in areas with marginal power supply, on long linesets, low ambient conditions, etc.

Extreme Condition Mount Kit — Bracket kits to securely mount condensing unit to a frame or pad without removing any panels. Use in areas with high winds, or on commercial roof tops, etc.

ARI Standard Capacity Rating Conditions**ARI STANDARD 210/240 RATING CONDITIONS —**

- (A) Cooling 80°F DB, 67°F WB air entering indoor coil, 95°F DB air entering outdoor coil.
- (B) High Temperature Heating 47°F DB, 43°F WB air entering outdoor coil, 70°F DB air entering indoor coil.
- (C) Low Temperature Heating 17°F DB, 15°F WB air entering outdoor coil, 70°F DB air entering indoor coil.
- (D) Rated indoor airflow for heating is the same as for cooling.

ARI STANDARD 270 RATING CONDITIONS — (Noise rating numbers are determined with the unit in cooling operation.) Standard Noise Rating number is at 95°F outdoor air.



SPLIT SYSTEM



PRODUCT DATA

American Standard Inc., Tyler, TX 75711-9010

**System Ratings —
4A6H4042B1**

OUTDOOR UNIT WITH AIR HANDLERS

COIL	CFM	COOLING CAPACITY	SENSIBLE CAPACITY	KW	SEER	EER	HEATING CAPACITY	KW	HSPF	COP
4TEE3F37A1	1360	40500	30200	3.82	13.25	10.6	37400	3.31	8.3	3.3
4TEE3F40A1	1270	43000	30800	3.71	14.00	11.6	38500	3.15	8.9	3.7
4TEE3F49A1	1410	49000	32800	3.81	14.00	11.3	39400	3.36	8.6	3.4
4TEP3F36A1	1400	39500	28600	3.99	12.25	9.9	38000	3.49	8.0	3.2
4TEP3F42A1	1400	41000	30800	3.98	13.00	10.3	38600	3.46	8.1	3.3
4TEP3F48B1	1575	42000	33000	4.00	13.00	10.5	39600	3.53	8.1	3.3
TWE036C14+4AYTXVH-3	1400	39000	29200	3.98	12.00	9.8	37600	3.48	8.1	3.2
TWE042C14+4AYTXVH-3	1400	40000	30000	4.04	12.25	9.9	38200	3.52	8.1	3.2
TWE046C14	1400	41000	31000	3.98	12.25	10.3	38800	3.50	8.2	3.3
TWE048C14+4AYTXVH-3	1400	41000	30800	3.98	12.75	10.3	38600	3.48	8.2	3.3

OUTDOOR UNIT WITH FURNACE AND HEAT PUMP COILS

COIL	CFM	COOLING CAPACITY	SENSIBLE CAPACITY	KW	SEER	EER	HEATING CAPACITY	KW	HSPF	COP
ADD080R9V3+RXC036S3	1330	41000	30200	3.87	13.25	10.6	38400	3.40	8.2	3.3
ADD080R9V3+TXH041A4	1340	41000	30800	3.87	12.75	10.6	38000	3.35	8.3	3.3
ADD080R9V3+TXH041A4+4AYTXVH-3	1340	41000	30400	3.87	13.25	10.6	38000	3.36	8.2	3.3
ADD080R9V3+TXH054A4+4AYTXVH-3	1340	42000	31600	3.89	13.50	10.8	38800	3.39	8.3	3.4
ADD100R9V5+RXC037S3	1410	41500	31200	3.81	13.50	10.9	38400	3.34	8.4	3.4
ADD100R9V5+RXC054S3	1420	41500	31000	3.81	13.50	10.9	38200	3.33	8.3	3.4
ADD100R9V5+TXH041A4	1410	41500	31400	3.81	13.25	10.9	38200	3.32	8.4	3.4
ADD100R9V5+TXH041A4+4AYTXVH-3	1410	41500	31200	3.81	13.75	10.9	38000	3.30	8.3	3.4
ADD100R9V5+TXH054A4+4AYTXVH-3	1420	42500	32600	3.83	13.75	11.1	39000	3.36	8.4	3.4
ADD120R9V6+TXH041A4	1420	41500	31600	3.74	13.50	11.1	38000	3.27	8.4	3.4
ADD120R9V6+TXH041A4+4AYTXVH-3	1420	41500	31400	3.74	14.00	11.1	37800	3.26	8.4	3.4
ADD120R9V6+TXH054A4+4AYTXVH-3	1430	42500	32800	3.79	14.00	11.2	38800	3.31	8.4	3.4
ADY080R9V3+TXH033A4	1220	38500	28200	3.77	12.25	10.2	36200	3.28	8.1	3.2
ADY100R9V4+RXC037S3	1290	41000	29400	3.80	13.50	10.8	37600	3.29	8.3	3.4
ADY100R9V4+RXC054S3	1230	40500	28800	3.79	13.25	10.7	37400	3.29	8.3	3.3
ADY100R9V4+TXH041A4	1230	40500	29400	3.75	13.00	10.8	37400	3.28	8.3	3.3
ADY100R9V4+TXH041A4+4AYTXVH-3	1230	40500	29200	3.79	13.25	10.7	37400	3.29	8.3	3.3
ADY120R9V6+TXH041A4	1210	40500	29200	3.72	13.00	10.9	37000	3.22	8.3	3.4
ADY120R9V6+TXH041A4+4AYTXVH-3	1210	40500	29000	3.75	13.50	10.8	37200	3.24	8.3	3.4
AUD080R9V3+RXC036S3	1410	41000	30800	3.98	12.75	10.3	38000	3.46	8.1	3.3
AUD080R9V3+TXH041A4	1420	41000	31200	3.94	12.50	10.4	38600	3.46	8.1	3.3
AUD080R9V3+TXH041A4+4AYTXVH-3	1420	41000	31000	3.94	12.75	10.4	38600	3.46	8.1	3.3
AUD080R9V3+TXH054A4+4AYTXVH-3	1420	42000	32200	3.96	13.00	10.6	39400	3.50	8.2	3.3
AUD100R9V5+RXC037S3	1470	42000	32200	3.85	13.50	10.9	38600	3.37	8.3	3.4
AUD100R9V5+RXC054S3	1470	41500	31400	3.84	13.50	10.8	38600	3.38	8.3	3.4
AUD100R9V5+TXH041A4	1480	41500	32000	3.84	13.00	10.8	38400	3.35	8.3	3.4
AUD100R9V5+TXH041A4+4AYTXVH-3	1480	41500	31600	3.84	13.50	10.8	38200	3.34	8.3	3.4
AUD100R9V5+TXH054A4+4AYTXVH-3	1470	42500	33000	3.86	13.75	11.0	39200	3.40	8.4	3.4
AUD120R9V6+TXH041A4	1400	41500	31400	3.77	13.25	11.0	38000	3.27	8.4	3.4
AUD120R9V6+TXH041A4+4AYTXVH-3	1400	41500	31200	3.77	13.75	11.0	37800	3.27	8.4	3.4
AUD120R9V6+TXH054A4+4AYTXVH-3	1410	42500	32400	3.79	14.00	11.2	38800	3.32	8.4	3.4
AUD140R9V5+TXH041A4	1390	41500	31400	3.77	13.25	11.0	38000	3.27	8.4	3.4
AUD140R9V5+TXH041A4+4AYTXVH-3	1390	41500	31000	3.77	13.75	11.0	37800	3.27	8.4	3.4
AUD140R9V5+TXH054A4+4AYTXVH-3	1390	42500	32400	3.79	14.00	11.2	38800	3.32	8.4	3.4
AUY080R9V3+RXC036S3	1220	41000	29400	3.83	13.25	10.7	37600	3.25	8.3	3.4
AUY080R9V3+TXH041A4	1210	40500	29200	3.75	13.00	10.8	37200	3.25	8.3	3.3
AUY080R9V3+TXH041A4+4AYTXVH-3	1210	40500	29000	3.79	13.50	10.7	37200	3.26	8.3	3.3
AUY080R9V3+TXH054A4+4AYTXVH-3	1220	41500	30000	3.81	13.75	10.9	38200	3.32	8.4	3.4
AUY100R9V4+RXC037S3	1220	41000	29400	3.76	13.75	10.9	37400	3.24	8.4	3.4
AUY100R9V4+RXC054S3	1230	41000	29200	3.76	13.50	10.9	37400	3.26	8.3	3.4
AUY100R9V4+TXH041A4	1220	40500	29400	3.72	13.25	10.9	37200	3.23	8.3	3.4
AUY100R9V4+TXH041A4+4AYTXVH-3	1220	40500	29000	3.75	13.50	10.8	37200	3.24	8.3	3.4

DATA SUBJECT TO CHANGE WITHOUT NOTICE