

**CITY OF SACRAMENTO**

1231 I Street, Sacramento, CA 95814

Permit No: 0313739

Insp Area: 3  
Thos Bros: 317 E1

Site Address: 2509 PORTOLA WY SAC  
Parcel No: 013-0113-017

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

**CONTRACTOR**  
CADENCE CONSTR.  
5308 CALLISTER AV  
SAC CA

**OWNER**  
WALTON TRACY ANN  
2509 PORTOLA WY  
SACRAMENTO CA 95818

**ARCHITECT**

**Nature of Work:** NEW 438 SF REHEARSAL ROOM WITH 70 SF COVERED PORCH ATTACHED TO EXIST. DETACHED GARAGE

**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 B License Number 460077 Date 11/12/03 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: \_\_\_\_\_  
Date \_\_\_\_\_ Owner Signature \_\_\_\_\_

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

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

Date 11/12/03 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.

[Signature] 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 EXEMPT Policy Number \_\_\_\_\_

\_\_\_\_ (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 11/12/03 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.**

**PAID**  
**CITY OF SACRAMENTO**  
NOV 12 2003  
NORTH PERMIT  
CENTER

# HGT ARCHITECT

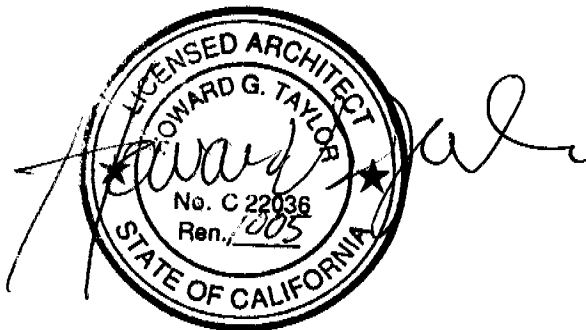
February 18, 2004

**TO:** Sacramento City Building Department  
Steve Bronson, Inspector  
808. 1015

**FR:** Howard G. Taylor  
Architect

**RE:** PC # 0313739  
2509 Portola Way  
Sacramento, Calif. 95818

- 1.) Hold-down installation OK by inspection. Multiple members bolted to hold-down with all thread bolt.
- 2.) 1/2" diameter anchor bolts OK as installed. 5/8" diameter call out was conservative approach. 1/2" allowed for single story structure.
- 3.) Anchor bolt spacing OK as installed; 24" oc with 48" shear walls typical at corners and 72" oc typical where panel not occurring.
- 4.) Micro-lam is supported by adjacent micro-lam which is bearing directly on stud.



# HGT ARCHITECT

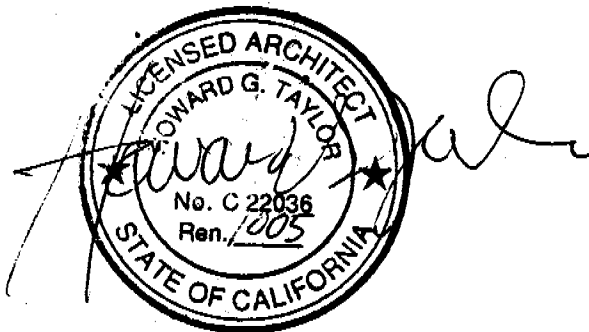
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## ***ProTech Systems, Inc.***

June 15, 2004

To Whom It May Concern,

ProTech Systems, Inc. is the leading manufacturer of AL29-4C stainless steel "Special Gas Vent". The FasNSeal® Direct Vent System meets all codes and standards necessary for use with high efficiency category II, III and IV heating equipment. PTS respectfully requests approval of our FasNSeal® Special Gas Vent system in your jurisdiction for use on category II, III and IV heating Equipment.

Recently, stringent requirements placed on the instantaneous water heater manufacturers prompted a change in their venting requirements. This hydronic heating equipment is listed as category III and now requires the use of AL29-4C special gas vent, as specified by the equipment manufacturers, the National Fuel Gas Code (NFPA 54), AGA and Underwriters Laboratories, Inc.

There has been a great deal of confusion in the field since this code change went in to effect last year. Previously B-vent had been allowed. However, B-vent is only allowed for use with category I (natural draft/non-condensing) gas fired equipment. It is NOT allowed for category II, III or IV heating equipment. Category II, III and IV requires the use of a "Special GasVent" as specified by UL and the equipment manufacturer. Furthermore, according to UL the only grade of stainless that is currently allowed for category III equipment is **AL29-4C ss**. No other vent material meets the sec 36, UL 1738 requirements for category III appliances. The reason B-vent cannot be used is because it has an aluminum flue gas conduit and aluminum cannot withstand the extreme corrosive environment found in these high efficiency (84% and up) units where cool flue gasses are vented under pressure. This is precisely the reason why manufacturers of category III hydronic heating equipment clearly state that AL29-4C vent material must be used.

Due to extreme confusion in the field PTS requested UL send written correspondence to explain to contractors, plumbers and inspectors why B-vent cannot be used for category III hydronic heating equipment such as boilers and hot water heaters.

Please review the following e-mail sent from Underwriters Laboratories, Inc. We have highlighted the key information.

Kim

This is in reply to your attached e-mail regarding your request for clarification of the specific metallic alloys that UL would approve for use with category III venting systems.

The Safety Standard used for investigating venting systems for use with Categories II, III, and IV gas appliances, UL1738 provides the requirements for investigating this type of venting system for UL Listing. UL1738 does not require a specific metallic alloy under the "Construction Details" of the Standard when venting Category III gas appliances. However, industry practice and our experience with Category III appliances require a venting manufacturer who submits a venting system for use with Category III appliances to UL for Listing be subjected to the Resistance to Condensate-Exposure Corrosion Test for Metals, Sec. 36, UL1738.

At the present time only those Special Gas Vents intended for use with Category III that bear the UL Mark have been found to meet the requirements of UL1738 and maybe installed with these types of appliances.

As discussed, currently the only flue-gas conduit material that has been found to comply with the requirements of UL1738 when used with Category III gas-fired appliances is AL29-4C stainless steel.

Should you have any further questions, please contact me.

Very truly yours,

Robert J. Zimmerman Jr.  
Lead Engineering Associate  
Conformity Assessment Services - 3015ANBK  
Underwriters Laboratories, Inc.

UL e-mail from Bob Zimmerman 2/20/03 regarding Category III Vent

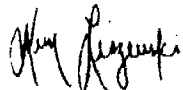
Some jurisdictions require double wall vent pipe for all installations. Although B-Vent is double wall it does not meet the code requirements for category II, III or IV. However, FasNSeal® W2 is a category II, III and IV AL29-4C double wall, L-Vent (Stainless inner) system that can meet all of these codes. Category III and IV vents must be a positive pressure stack, meaning each joint must be positively sealed since flue gasses are expelled by mechanical means and not natural draft. They must also be a "Special Gas Vent" made of AL29-4C for category III and for category IV they must be PVC or AL29-4C.

The FasNSeal® vent system meets all the code requirements for category II, III and IV heating equipment. FasNSeal® integrates a built-in silicone gasket with an internal locking band to obtain its positive pressure seal. FasNSeal® also features a positive stop bead to ensure a complete seal. Our gasketed system has been successfully used in the field for over Seven years. **Flow arrows are unnecessary, since FasNSeal may be installed in either direction.** However, care must be taken to dispose of acidic condensate properly. This is particularly important on long horizontal runs.

Once again, PTS would like to request an approval for FasNSeal® single wall and FasNSeal® W2 double wall vent systems to be used in your jurisdiction for category II, III and IV heating equipment. We request your approval for an AL29-4C vent system that incorporates a built-in silicone seal in conjunction with an internal locking band and positive stop bead. We appreciate your consideration and look forward to receiving your approval.

Please feel free to contact us with any additional questions or documentation you may require.

Best Regards,



Kim Liszewski  
National Sales Manager

400 S. Pearl Street, Albany, NY 12202  
Tel: (518) 463-7284 \* Toll-free: 1-800-766-3473 \* Fax: (518) 463-5271  
Web Site: <http://www.protechinfo.com>  
Email: [kliszewski@protechinfo.com](mailto:kliszewski@protechinfo.com)