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11256 47th St North
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Tel 727-734-7750
C/S 800-447-4721
Fax 727-734-7753

June 26, 2007

Mr. Dan Chudy, Ph. D., CBO
Building Official
City of Riverside Planning Department
3900 Main Street
Riverside, California 92522

Re: Studor Air Admittance Valves (AAVs)

Dear Mr. Chudy,

On October 17, 1997 you sent a letter to Mr. Michael Lopez, who was our representative at the time, advising that the Studor Mini-Vent and Maxi-Vent qualified for approval as an alternate method to that prescribed in the 1994 edition of the UPC. Attached is a copy of that letter. You also mentioned that you and your staff required a 30-minute training program prior to formulating a written approval for the product with conditions as necessary. I assume that this training took place, but I have no record of receiving a written approval. If an approval has been granted, please send me a copy. If the training did not take place, please advise and we will arrange to have it done.

For your guidance, enclosed are copies of our latest product literature, NER Report 592, and a recent study prepared by Dr. Michael Gormley and Prof. John Swaffield entitled "Building Drainage Waste and Vent Systems: Options for Efficient Pressure Control". This study shows that systems in which AAVs are installed are the equivalent to open pipe vented systems in low-rise buildings in terms of trap seal retention and provide superior protection in high-rise buildings to open pipe vents.

Should you require any additional information or documentation, you can contact me at 800-447-4721 or at [redacted].

Sincerely,

Jack Beuschel
Studor, Inc.

See attached

CITY OF RIVERSIDE

"People Serving People"

November 21, 1997

Michael Lopez
Studor Inc.
714 Bettyhill Avenue
Duarte, CA 91010

Subject: Studor Vents (Air Admittance Valves)

Dear Mr. Lopez:

We have evaluated the Studor Maxi and Mini-vents and find them to satisfy the intent of the Uniform Plumbing Code as an acceptable alternate to the venting provisions as enforced in the City of Riverside. Therefore, as allowed under the alternate materials and methods provisions of the code, we approve the Studor Maxi-vent and Mini-vent for use within the City of Riverside, subject to the following conditions:

1. Other than vent terminations, the use of Studor air admittance valves will not result in violation of any provisions for drain, waste and vent systems of the applicable edition of the model plumbing code being enforced in the City of Riverside.

2. At least one 2 inch relief vent on each separate drain, waste and vent system will be required to extend through the roof and terminate to the open air.

3. The installation of the air admittance valve shall be in compliance with the manufacturers instructions.

4. The Studor air admittance valves shall be installed in the vertical upright position.

5. The use of air admittance valves will not be permitted to be used in the following situations:
   a. On any sump vent
   b. Special waste or chemical waste system
   c. Where located in a supply or return air plenum

6. When located in attic areas, the attic space shall be:
   a. Accessible
   b. Provided with adequate attic ventilation

7. Prior to installation, a drain, waste and vent isometric drawing, identifying all locations of the air admittance valves, shall be submitted and approved by the Building and Safety Division. The Building Official reserves the right to require said plans to be stamped and signed by a licenced professional engineer knowledgeable in the plumbing code.

Sincerely,

Dan Chudy, Ph.D., CBO
Building Official

PLANNING DEPARTMENT
3900 MAIN STREET • RIVERSIDE, CALIFORNIA 92522 • (909) 782-5371
FAX: (909) 782-5622

CITY OF RIVERSIDE - BUILDING & SAFETY DIVISION

Interoffice Memo

DATE: 7/29/2002

TO: Building & Safety Division Staff

FROM: Dan Chudy, Ph.D., CBO
Building Official

SUBJECT: Air Admittance Valves

In the past, we have required that air admittance valves be specifically shown on a plumbing isometric drawing that has been reviewed and approved by the Building & Safety Division. This was done in an effort to assure that both the installer and the Inspector were aware of the limitations on the use of the air admittance valve. Over the past 5 years that we have been allowing the use of the air admittance valves, most of you have seen them and are aware of their limitations. Based on this fact and the fact that I am not aware of any major problems with their installations, I am revising our previous policy on their use as follows:

1. For **single family residential** installations, the requirement that they be shown in an approved isometric drawing is hereby rescinded. As long as the installation complies with the installation instructions and the conditions previously imposed by the City (see Item 3 below), the Inspector may approve the installation and use of the air admittance valves manufactured by Studor or Oatey.

2. Installations in other occupancies will require prior approval and plan review by the Building Official.

3. The following are the conditions which were previously established and remain in effect:

   A. Other than vent terminations, the use of Studor air admittance valves will not result in violation of any provisions for drain, waste and vent systems of the applicable edition of the model plumbing code being enforced in the City of Riverside.

   B. At least one 2 inch relief vent on each separate drain, waste and vent system will be required to extend through the roof and terminate to the open air.

   C. The installation of the air admittance valve shall be in compliance with the manufacturers instructions.

   D. The air admittance valves shall be installed in the vertical upright position.

   E. The use of air admittance valves will not be permitted to be used in the following situations:
      1. On any sump vent
      2. Special waste or chemical waste system
      3. Where located in a supply or return air plenum

   F. When located in attic areas, the attic space shall be:
      1. Accessible
      2. Provided with adequate attic ventilation