



# County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods and diverse communities of Fairfax County

February 2, 2015

Mr. Mitchell D. Simpson  
Entech Engineering, Inc.  
5301 Virginia Way, Suite 140  
Brentwood, TN 37027

Subject: Pollution Control Unit (PCU) – Buffalo Wild Wings  
5275 Leesburg Pike, Falls Church  
AP#141900137, Q#14-3941

Code Reference: 2009 Virginia Mechanical Code (VMC)

File Reference: 150202.0AD

Dear Mr. Simpson:

This is in response to your request for a modification of the Virginia Uniform Statewide Building Code.

You asked for a modification of Section 506.3.7, *Prevention of grease accumulation in grease ducts* and Section 506.3.2, *Joints, seams, and penetrations of grease duct* of the referenced code. These sections require grease ducts to be installed such that grease cannot collect in any portion therein and grease duct joints and seams to utilize continuous liquid-tight weld or braze methods, respectively.

Your request is to install a Trion Pollution Control Unit (Air Boss ATS-6) within the grease duct system at the subject project. You base this request on the fact that the units are listed to the UL 1978 standard for grease duct construction. The information you submitted indicates that the construction of the units provide approved grease collection points and includes an automatic detergent wash-down for the interior of the units at predetermined intervals. You also provided the equipment's listing information.

After due consideration, your request is conditionally approved. The listing of the equipment and documentation you provided demonstrates a level of equivalence we feel meets the spirit and intent of the code. This approval is based on the Underwriters Laboratory (UL) listing, the submitted documentation and the following conditions:

- The entire grease duct systems shall be located in dedicated fire-resistant rated enclosures in accordance with Virginia Mechanical Code.
- The equipment's service space shall be provided as per the manufacturers recommendations, but in no case shall the access space be less than 30" x 30" x 72" in front of each control panel, filter cabinet and fire suppression equipment housing.
- The enclosure serving the air purifier units shall be ventilated to provide proper airflow to the equipment per the manufacturer's requirements. The installed ventilation openings shall maintain the required fire-resistance rating of the enclosure.

Department of Public Works and Environmental Services  
Land Development Services  
12055 Government Center Parkway, Suite 444  
Fairfax, VA 22035-5500  
Phone: 703-324-1780, TTY: 711  
[www.fairfaxcounty.gov/dpwes](http://www.fairfaxcounty.gov/dpwes)



Mr. Mitchell D. Simpson  
February 2, 2015  
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- Appliances that utilize any type solid fuel shall not be permitted to discharge exhaust vapor through the subject equipment.
- A copy of the maintenance and cleaning schedules shall be kept on site and available for fire marshal review during routine inspections. The schedule shall include wash-down intervals.
- The wash-down drains shall discharge through a grease interceptor, properly sized for daily wash-down flow.
- A fire suppression system shall be provided for each air purifier unit as described in the installation instructions and be installed in accordance with the VCC.
- A device that detects airflow pressure differential shall be installed at the entrance and exit to the cabinets which house the filters. When the airflow is reduced below the design velocity, the devices shall activate a visual alarm located in the cooking area.
- UL 762 compliant kitchen exhaust fans shall be utilized in conjunction with the air purification systems.

You have the right to appeal this decision to the Board of Building Code Appeals within 30 days from the date you receive this letter. You may arrange an appeal or obtain information on the appeals process by visiting the county website at [www.fairfaxcounty.gov/dpwes/publications/codemods\\_appeals.htm](http://www.fairfaxcounty.gov/dpwes/publications/codemods_appeals.htm) or by contacting the secretary to the board, Carla C. Moran, at 703-324-1780, TTY 711 or [carla.moran@fairfaxcounty.gov](mailto:carla.moran@fairfaxcounty.gov).

Please attach a copy of this letter to each set of revised plans submitted for review, and have it available for inspectors at the job site.

This response is project specific and applies to the subject address only. Should you have any questions or need more information on this matter, please contact Richard Grace at 703-324-1687, TTY 711 or [Richard.Grace@fairfaxcounty.gov](mailto:Richard.Grace@fairfaxcounty.gov).

Sincerely,



Audrey C. Clark, Building Official

cc: Code Modification Review Committee  
Chris McArtor, Acting Director, Building Plan Review and Inspections Division  
Brian Foley, Manager, Customer and Technical Support Center  
Carla Moran, Secretary to the Board of Building Code Appeals  
Advisory Files

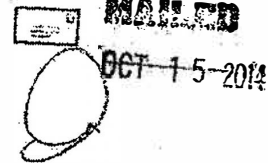


# County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods, and diverse communities of Fairfax County

October 14, 2014

Thomas Kylo  
386 Maple Avenue East, Suite 108  
Vienna, Virginia 22180



Subject: Grease Duct – Air Purification System  
California Tortilla  
2750 Gallows Road  
Permit# 1333180257

Code Reference: Virginia Mechanical Code, 2009 Edition

File Reference: 141002.OAD

Dear Mr. Kylo:

This is in response to your request for a modification of the Virginia Construction Code (VCC).

You asked for a modification of Section 506.3.7, *Prevention of grease accumulation in grease ducts*, and Section 506.3.2, *Joints, seams, and penetrations of grease duct*, of the referenced code. These sections require grease ducts be installed such that grease cannot collect in any portion therein and grease duct joints and seams utilize continuous liquid-tight weld or braze methods.

Your request is to install a Trion Air Purification System (Air Boss ATS6) within the grease duct system at the subject project. You base this request on the fact that the units are constructed of 16-gauge steel and comply with the UL 1978 standard for grease duct construction. The information you submitted indicates that the construction of the units provide approved grease collection points and includes an automatic detergent wash-down for the interior of the units at predetermined intervals. You also provided the equipment's listing information.

After due consideration, your request is conditionally approved. The listing of the equipment and documentation you provided demonstrates a level of equivalence we feel meets the spirit and intent of the code. This approval is based on the Underwriters Laboratory (UL) listing, the submitted documentation and the following conditions:

- The entire grease duct systems shall be located in dedicated fire-resistant rated enclosures in accordance with Virginia Mechanical Code.

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Department of Public Works and Environmental Services  
Land Development Services  
12055 Government Center Parkway, Suite 444  
Fairfax, VA 22035-5504  
Phone: 703-324-1780, TTY: 711, Fax: 703-324-1847  
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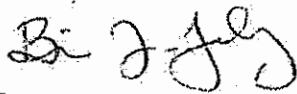
Mr. Thomas Kylo  
October 14, 2014  
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- The equipment's service space shall be provided as per the manufacturers recommendations, but in no case shall the access space be less than 30" x 30" x 72" in front of each control panel, filter cabinet and fire suppression equipment housing.
- The enclosure serving the air purifier units shall be ventilated to provide proper airflow to the equipment per the manufacturer's requirements. The installed ventilation openings shall maintain the required fire-resistance rating of the enclosure.
- Appliances that utilize any type solid fuel shall not be permitted to discharge exhaust vapor through the subject equipment.
- A copy of the maintenance and cleaning schedules shall be kept on site and available for fire marshal review during routine inspections. The schedule shall include wash-down intervals.
- The wash-down drains shall discharge through a grease interceptor, properly sized for daily wash-down flow.
- A fire suppression system shall be provided for each air purifier unit as described in the installation instructions and be installed in accordance with the VCC.
- A device that detects airflow pressure differential shall be installed at the entrance and exit to the cabinets which house the filters. When the airflow is reduced below the design velocity, the devices shall activate a visual alarm located in the cooking area.
- UL 762 compliant kitchen exhaust fans shall be utilized in conjunction with the air purification systems.

This response is project specific and only applies to the subject address. Please attach copies of this letter to all sets of plans and have it available for the inspection staff at the job site. If you have questions or comments, please contact Richard Grace, Code Specialist II, at [richard.grace@fairfaxcounty.gov](mailto:richard.grace@fairfaxcounty.gov) or 703-324-1687, TTY 711.

You have the right to appeal this decision to the Board of Building Code Appeals within 30 days from the date you receive this letter. You may obtain information on this process by contacting Ms. Carla Moran, Secretary to the Board, at [carla.moran@fairfaxcounty.gov](mailto:carla.moran@fairfaxcounty.gov) or 703-324-1780, TTY 711.

Sincerely,

  
for  
Audrey C. Clark  
Building Official

cc: Code Modification Review Committee  
Captain George Hollingsworth, Fire Prevention Services Inspection Branch, Fire and Rescue  
Carla Moran, Secretary to the Board of Building Code Appeals Advisory Files



**YYXS.GuideInfo  
Hood and Duct Accessories**

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**[Ventilating Equipment for Commercial Cooking Appliances] Hood and Duct Accessories**

[See General Information for Ventilating Equipment for Commercial Cooking Appliances](#)

**USE AND INSTALLATION**

This category covers accessories intended for use with hoods and/or ducts installed over commercial cooking equipment in accordance with ANSI/NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations."

Authorities Having Jurisdiction should be consulted to determine that these accessories are acceptable for use in any given location.

**ADDITIONAL INFORMATION**

For additional information, see Heating, Cooling, Ventilating and Cooking Equipment ([AAHC](#)).

**REQUIREMENTS**

The basic standard used to investigate products in this category is [ANSI/UL 1978](#), "Grease Ducts," and/or [UL 710](#), "Exhaust Hoods for Commercial Cooking Equipment."

**UL MARK**

The Listing Mark on the product, or the UL symbol on the product and the Listing Mark on the smallest unit container in which the product is packaged is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the introduction of this Directory) together with the word "LISTED," a control number, and the product name as indicated in the individual Listings.

\*\*\*\*\*

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Hood and Duct Accessories**[Page Bottom](#)

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**Hood and Duct Accessories**[See General Information for Hood and Duct Accessories](#)

MH27669

**Exhaust filtration systems**, Model 75 in. sizes 75-102 thru 75-110, 75-203 thru 75-210, 75-303 thru 75-310; Model ATS in sizes ATS-2, -4, -6, -8, -10, -12; Model Air Boss, KES Series, suffixed 2 and 4. System consists of filter section with optional odor control, exhaust fan and related control panels.

[Last Updated on 2009-09-04](#)

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