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Kam Chan P. E.

Lead Engineer / Administrative Engineer of Technology Management
Bureau of Fire Prevention

CERTIFICATE OF APPROVAL # 5706 THIS CERTIFICATE IS REVOCABLE, NOT TRANSFERABLE AND EXPIRES ON March 10, 2021

March 16, 2018

Mr. Tim Kelley
Quality/ Regulatory Manager
Giles Enterprises, Inc.
2750 Gunter Park Drive West
Montgomery, AL 36109

RE: **Renewal** for Certificate of Approval #5706
F.P. Index#: 1802020A FPIMS#: 38032421

Dear Mr. Kelley:

By order of Fire Commissioner, Daniel A. Nigro and pursuant to Section 112 of the New York City Fire Code, the following equipment or material may be acceptable for use provided the conditions outlined below are in full compliance.

- Manufacturer:** Giles Enterprises, Inc.
- Product:** Prefabricated ventless/ductless commercial kitchen hoods with grease filters for use with UL listed commercial cooking appliances.
- Model Number:** GVH-C and GVH-F ductless hoods with built in grease filter for use in the NYC Department of Buildings (DOB) approved commercial kitchens at or above grade level.
- Pertinent Code** New York City Fire Code Section 901.4.5
- Prescribed Tests:** UL710B, UL300, EPA Test Method 202 (and UL1046 / UL197)
- Report:** File #:MH14950 Vol. 1 Sec. 3 Issued: 04-24-2012 Revised: 04-21-2017
- Description:** The GVH-C ductless hood assembly consists of an exhaust blower, one electrostatic precipitator, one metal baffle type grease filter, and one air filter. The Baffle Filter – Classified Filter (AKUS), Giles, model DSBF-16HX20W, stainless steel baffle is listed to UL 1046. The EAC filter is tested and listed to UL 867. This ductless hood has two back up fusible links in the hood area and an appliance fusible link. These links are set for 135 degrees for the appliance and 165 degrees for the other two and

will activate the fire suppression system. The UL710B tested pre-engineered fire suppression system used in these hoods is directly linked to the appliance, if the fire suppression system activates the appliance will be shut down. A remote pull handle is also required for operator activation. In the event of a fire in the cooking appliance and the activation of the fire extinguishing system, the power to the cooking appliance is terminated.

The hood blower will continue to operate. If the access door is open or the blower does not operate, the cooking appliance is de-energized. If the hood fails to operate, the cooking appliance is de-energized. If filters are operated until the point of filter blockage, the unit will cease to operate and de-energize the cooking appliance.

Grease Filter - The filter shall be a baffle type, constructed of aluminum or stainless steel and measuring approx 19-1/4 by 19-1/2 by 1-3/4 in. The filters consist of five baffles with spaces approx 3/4 in. high and spaced approx 7/8 in. apart. Grease filter provided with Listed Omron, Cat. No.D4A-1101N interlock switch rated 10 A minimum, 250 V ac. Fire Damper - Classified (ALBR), Ruskin, Model 1BD2, curtain type, provided with 285°F fusible link. Access Doors – One on each side, Stainless Steel, No. 18 gauge minimum. Door dimensions 22in. high by 16 in. wide. Welded hinged door with mechanical latch. Each access door panel provided with an interlock switch. The ionizer-collector cell assembly consists of: Recognized Component Electrostatic Air Cleaners (AGGZ2), Honeywell, Inc., ionizer-collector cell Part No. FC37A or FC37B. Recognized Component Electrostatic Air Cleaners (AGGZ2), Air Quality Engineering Inc., Ionizer-Collector Cell. Vacuum Interlock Switch - R/C (MFHX2) Cleveland Controls or Alternate provided by Honeywell No. BZ-2RQ-A2. or Alternate provided by Antunes Controls, Cat. No. SMD or as listed in File #:MH14950 Vol. 1 Sec. 2 or alternate item – Karl Dungs Cat. No. AA-A2-6-2. Fusible Link - (Not shown) - Ansul, Cat. No. 56811, marked 165°F. Part of fire extinguishing system. WET CHEMICAL FIRE EXTINGUISHING SYSTEM - Ansul R-102 or Piranha system as listed in UL File #:MH14950 Vol. 1 Sec. 1.

Proposed Conditions of Approval:

1. The ventless/ductless hoods shall ONLY be used within NYC Department of Buildings (DOB) approved commercial kitchens, plans for which shall be docketed (stamped, dated and numbered) by the New York City Department of Buildings and subject to the following restrictions:
 - a. Ventless hoods shall not be installed in the basement or cellar of any building.
 - b. Ventless hoods shall not be installed in any non-fireproof buildings.
 - c. Ventless hoods shall not be installed in any unsprinklered buildings.
 - d. Ventless hoods shall not be installed in any open spaces such as shopping malls.

[NOTE:] For locations that do not meet of the above criteria, a request for special consideration may be submitted for a site-specific approval of the use of light duty cooking /food warming operation within the City of New York.

2. Prior to installation of the above referenced ductless / ventless hood with cooking appliances, plans specifying the exact product name/model number and dimensions/specification must be filed with and accepted by New York City Department of Buildings(DOB). Additionally, a copy of DOB

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docketed (Stamped, numbered and dated) plans shall be transmitted to the Fire Department Range Hood Unit for review and approval if applicable.

3. The two EAC filters are to be cleaned nightly in an approved cleaning solution, an additional EAC filter will be on each site as back up. A stainless steel soak tank shall be provided to facilitate this cleaning procedure. Also, the baffle filter shall be cleaned nightly and it shall be cleaned in the 3 compartment sink, or in the soak tank.
4. The two Pre-filters must be changed every seven to ten days. The two Charcoal filters are to be changed monthly, they are disposable filters and can not be cleaned, change out shall follow the manufacturer's recommendation. Also, the inside of the hood should be cleaned monthly with the changing of the charcoal filter.
5. The fire extinguishing system shall be suitable for the above referenced hood, grease filter and cooking equipment and subject to the Range Hood Inspection Unit's approval.
6. Installation, maintenance, cleaning procedures and use of the above referenced products shall comply with all applicable New York City Fire Code, New York City Electric Code, Construction Codes, rules and regulations.
7. Underwriters Laboratories, Inc.'s listing requirements and manufacturer's installation, maintenance procedures and safety limitations shall be complied with.
8. The above referenced ductless hood unit shall be used for food warming, light duty/medium duty cooking only and the entire ductless hood with grease filter / air filter shall be inspected, cleaned and replaced if necessary, by qualified person hold Certificate of Fitness type W-64 or F-64. A record of such inspection and cleaning shall be kept on the premises for inspection.
9. Certificate of Approval number shall be plainly and permanently stamped or otherwise affixed upon each product by the manufacturer or by the local sales representative of the manufacturer.
NOTE: Product must already be identified with Certificate of Approval number before it arrives at New York City job site.
10. All installations shall be subject to inspection by representatives of the Bureau of Fire Prevention which may result in added requirements being imposed.
11. The Fire Department may make periodic inspections of the above referenced products without warning to ensure that maintenance requirements are being followed. These audit inspections will be solely at the discretion of the Fire Department.
12. The Fire Department's condition of approval shall be provided to all New York City buyers, users and installers.
13. The Fire Department Certificate of Approval does not constitute an endorsement or recommendation of your product by the Fire Department, but is a certification that your product, as represented, meets the standards as of the date of issuance.
14. As the manufacturer of this equipment you should be aware that any end user who fails to comply with the condition as outlined in this approval will be subject to enforcement action.

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Any change in company name or ownership, product name, material of construction, chemical composition, product design, or model number of any product included on this certificate must be immediately reported to this Department in writing.

Very truly yours,



Kam Chan, P.E.

KC: JN: COA5706Renewal.doc