

Project Name
City State

SECTION

GREASE CONTAINMENT ASSEMBLY

Specifications Overview

- Due to the harmful effects of grease and oil on all roofing systems, most major roofing manufacturers will recommend of specify a UL listed rooftop grease containment system for areas that will be exposed to grease and oil.
- The damaging effects to the roof shorten its life and increase the likelihood for premature roof repairs and replacements, costing building owners thousands of dollars.
- When obtaining a warranty for a building that has known grease and oil problems, it is standard operating procedure to submit information on the grease containment system to the Technical Services Department. In addition, approval must be obtained for your warranty at the time of the re-roof or the new roofing system.
- Grease Guard recommends that you talk to the Technical Services Department of your roofing manufacturer to make sure you are covered with the proper grease containment solution for your needs.

Part 1- General

1.1 SECTION INCLUDES

- a. Furnish and install a complete G2 Grease Guard system as shown on the drawings and specified herein.

1.2 SUBMITTALS

- a. Product Data: Submit manufacturer's product data demonstrating compliance with indicated requirements.

1.3 QUALITY ASSURANCE

- a. Manufacturer's Qualifications: Manufacturer shall have a minimum of 5 years experience manufacturing G2 Grease Guard systems.
- b. Installer's Qualifications: Installer shall be authorized and trained by manufacturer.

1.4 SEQUENCING AND SCHEDULING

- a. Install G2 Grease Guard units after roof is complete and curb has been installed, and prior to electrical connections of exhaust fans.

1.5 MAINTENANCE DATA

- a. Submit manufacturer's printed maintenance recommendations.
- b. Review recommended maintenance schedule and procedures with Owner's maintenance personnel.
- c. Continuing Maintenance: Installer shall provide a continuing maintenance proposal to Owner, in the form of a standard yearly (or other period) maintenance agreement, starting at time of Substantial Completion, stating services, obligations, conditions and terms for agreement period, an for renewal options.

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Part 2- Products

2.1 ACCEPTABLE MANUFACTURERS

Product must meet current National Fire Protection Association 96 Standards and be listed by Underwriters Laboratory.

Grease Guard LLC
2019 Corporate Lane
Naperville, IL 60563
800-913-7034

2.2 MATERIALS

a. Frame Materials

1. Anodized Aluminum Extrusions: 6063-T5 complying with ATM B 221
2. Hardware: Molded Corners

b. Grease Containment Materials:

1. Top pre-filter – pass thru layer constructed from an open cross section polymer
2. Transfer Layers – constructed from polyolefin fiber. Quickly transfers oil based fluids to absorption layers
3. Advanced Filter Composite – constructed from an engineered open cell polyolefin fabric. Contains more than 50 layers of absorbent microfibers that wick and contain oil-based fluids while repelling rainwater. Absorption capacity is up to 76 fluid ounces per square foot.
4. Barrier layer – constructed from a closed cell polymeric blend that provides a leak proof barrier.
5. Bottom layer – an airflow layer constructed from an open cross section polymer. Supports the absorption and AFC layers while allowing air to circulate throughout the entire filter system.

c. Fiberglass Hold Down Poles and Connectors.

d. Grease Deflecting Flashing: Aluminum. Flashing at corners shall be copolymer flashing with UV stability.

2.3 EQUIPMENT

a. G2 Grease Guard Fabrication: G2 Grease Guard shall consist of an extruded aluminum frame with molded corners and a 50-100 layer grease containment system, with accessory hold down poles and grease deflecting flashings.

1. Product Size: Provide G2 Grease Guard # Standard Model by Grease Guard.

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Part 3- EXECUTION

3.1 INSTALLATION- ROOF MOUNTED G2 GREASE GUARD UNITS

- a. Assemble and install G2 Grease Guard in compliance with manufacturer's printed instruction.
- b. Clean roof surface of grease and/or foreign objects, adjacent to the exhaust fan curb.
- c. Install framing extrusions around fan curb with manufacturer's molded corners.
- d. Cut top pre-filter bottom layer into exact curb dimensions.
- e. Cut AFC to exact curb dimensions.
- f. Use the curb cutouts to layer at the seams or at the spout side per manufacturer's printed instructions.

-INCLUDE BELOW (G.) FOR CUSTOM G2 GREASE GUARD UNITS ONLY-

- g. Cut all custom unit filters to exact dimension between frame and fan; also cut filters and lay strips of filters underneath fan and exposed ductwork to completely cover all roofing area under and around fan between G2 Grease Guard extrusions.
- h. Install the filter layers starting with the air flow layer first, then the AFC, then the top pre-filter.
- i. Install hold down poles. Secure filter system within framework.
- j. Attach flashing kit to all 4 sides of the roof curb by installing underneath the lip of the exhaust fan, then screw the flashing to the curb.

3.2 INSTALLATION – WALL MOUNT G2 GREASE GUARD UNITS

- a. Assemble and install G2 Grease Guard in compliance with manufacturer's printed instruction.
- b. Install bottom kit per manufacturers printed instructions.
- c. Assemble frame and install the filter system within framework.
- d. Secure frame brackets to wall. Attach flashing kit to wall. Attach G2 Grease Guard to brackets.

CLEANING AND PROTECTION

G2 Grease Guard filters are rotated or changed depending on the volume of grease discharge from the fan. The G2 Grease Guard filters on a typical full service restaurant, In food processing, manufacturing and industrial applications the filter schedule will be determined based on volume. Grease Guard LLC has standard maintenance programs designed to effectively and efficiently maintain the G2 Grease Guard for customers. These programs reduce the cost of the filter maintenance and service work charges and provide standard payment plans to ensure timely and cost effective control over the maintenance process. A maintenance reminder is sent out to each location. Installing contractor must provide the proper methods of care and maintenance of the grease containment system. Provide instruction to owner on filter replacement or have them contact Grease Guard LLC warranty department to set up a maintenance program.