

G2 GREASE GUARD SPECIFICATIONS

PART 1 - GENERAL

1.1 Section Includes

A. Furnish and install a complete G2[®] Grease Guard[®] system as shown on the G2 Grease Guard Plan (See previous page) of these Attachments).

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, and for renewal options.

PART 2 - PRODUCTS

2.1 Acceptable Manufacturer:

Facilitec Corporation
180 Corporate Drive,
Elgin, IL 60123
Toll Free: 800-284-8273
Phone: 847-931-9500/847-931-9501
Fax: 847-931-9629

2.2 Materials

A. Frame Materials:

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

B. Grease Containment Materials:

1. Top Pre-Filter -- a pass-through, noncombustible, self-extinguishing filter constructed from an open cross section polymer.
2. Advanced Filter Composite[®] consists of the following components:
 - a. Transfer Layer -- constructed from polyolefin fiber. Designed for quick transfer of oil based fluids to the absorption layers, while repelling rainwater. UV stability protects the absorption layers from damaging sunrays.
 - b. Absorption Layer -- constructed from an engineered open cell polyolefin fabric. Over 50 layers of absorbent microfibers wick and contain oil based fluids, while repelling rainwater. Absorption capacity is up to 39 fluid ounces per square foot.
 - c. Barrier Layer -- constructed from a closed cell polymeric blend that provides a leak proof barrier.

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3. Bottom Filter -- an airflow layer constructed from an open cross section polymer. This layer supports the Advanced Filter Composite[®] while allowing air to circulate throughout the entire filter system.

4. Fire Shield -- a fireproof barrier that protects the roof and building from any potential exhaust system fire hazards.

C. Fiberglass Hold Down Poles and Connectors.

D. Grease Deflecting Flashing: ASTM B 209 formed 24 gauge galvanized steel. UV stable copolymer-flashing corner

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: Provide G2[®] Grease Guard[®] Model # (See Chart Below) by Facilitec Corporation.

Standard Grease Guard – Use With Typical Upblast Specifying A Standard Grease Guard

- a. Determine the outside curb dimension "A" shown left.
- b. Determine the model number by matching dimension "A" between the proper minimum and maximum curb sizes shown below.

Model Number	Dimension "A" Outside Curb Dimension
GG 36	Up to 16" Max
GG 48	17" Min to 28" Max
GG 60	29" Min to 40" Max
GG 72	41" Min to 52" Max

c. Retrofit SWSI centrifugal upblast exhaust fan with a 10' (minimum) stainless steel upblast with guide wires attached to the roof using the Mall required roofing contractor (See Exhaust Fan Detail Attachment).

-- Select above if required size is known or below if to be coordinated by contractor --

2. Product: Provide G2[®] Grease Guard[®] by Facilitec Corp. in sizes determined by Contractor in accordance with manufacturer's sizing instructions.

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 fire shield to exact curb dimensions.

E. Cut bottom filter and top pre-filter to exact curb dimensions.

F. Cut Advanced Filter Composite[®] to exact curb dimensions.

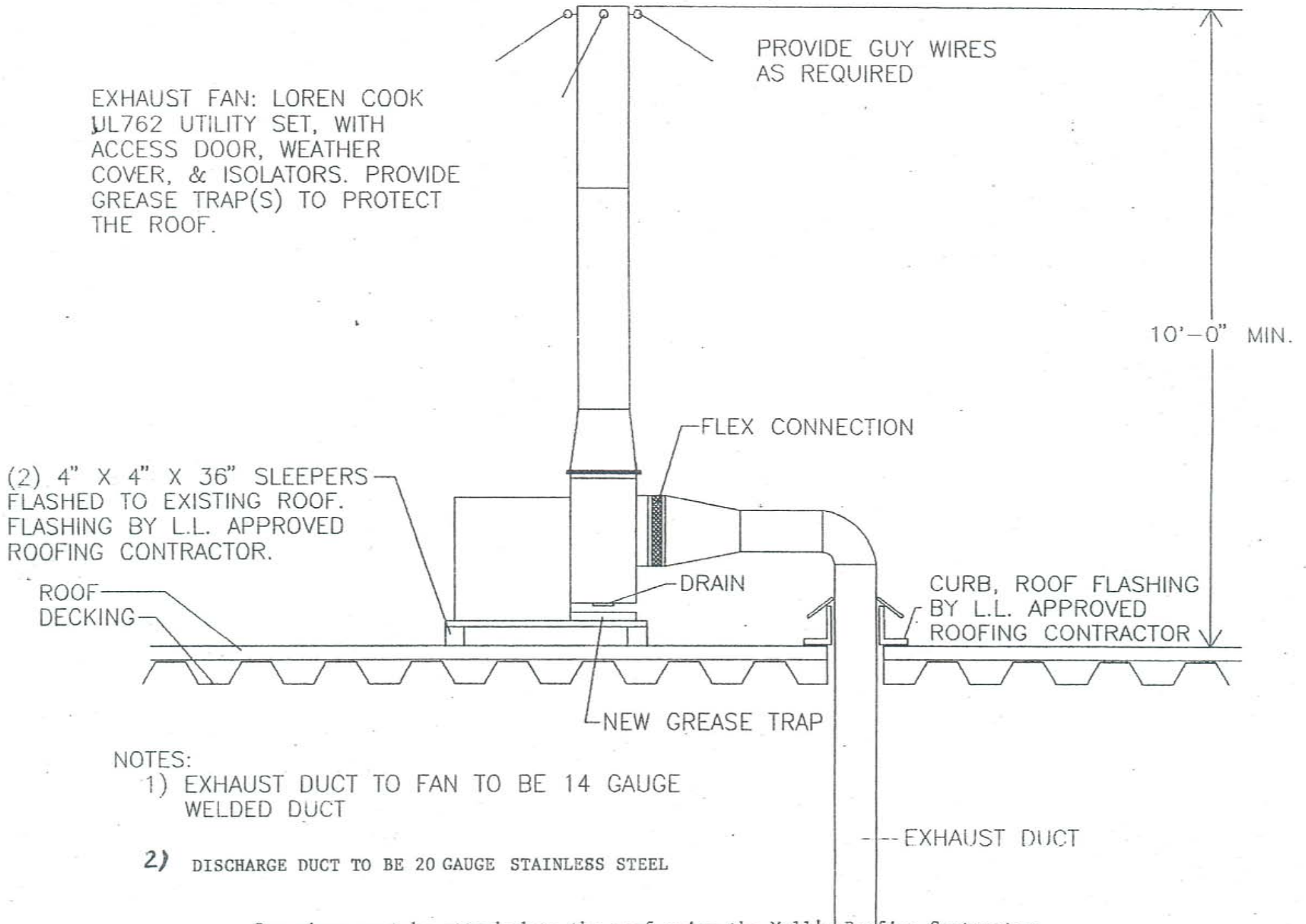
G. Use the curb cutouts to layer at the seams or at the spout side per manufacturer's printed instructions.

H. 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.

I. Install the filters starting with the fire shield first, then the bottom filter, then the Advanced Filter Composite[®], then the top pre-filter.

J. Install hold down poles and connectors. Secure filter system within framework.

K. Attach flashing kit to all 4 sides of the roof curb by installing underneath the lip of the exhaust fan, and then screw the flashing to the curb.



NOTES:

- 1) EXHAUST DUCT TO FAN TO BE 14 GAUGE WELDED DUCT
- 2) DISCHARGE DUCT TO BE 20 GAUGE STAINLESS STEEL

Guy wires must be attached to the roof using the Mall's Roofing Contractor.