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Specification

Meets ASTM Standards: A-307A, D-4595, D- 6111-97, and D-4355

Part 1 – GENERAL DESCRIPTION

1.1 DESCRIPTION

A. Scope: To furnish and install a complete RGS(Rooftop Grease Solutions) Bio-Collection System as shown on the drawings and specified herein.

1.2 SUBMITTALS

A. Product Data: Submit manufacturers' product data demonstrating compliance with indicated requirements.

1.3 QUALITY ASSURANCE

A. Manufacturer's Qualifications: Manufacturer shall have a years experience manufacturing RGS Bio Collection systems.

B. Installers Qualifications: Installer shall use trained, skilled workers for proper installation. Installer shall be authorized and trained by manufacturer.

1.4 SEQUENCING AND SCHEDULING

A. Install RGS Bio Collection System after roof is complete and curb has been installed, and prior to electrical connections of exhaust fans.

1.5 MAINTENANCE DATA

A. Submit warranty activation card to manufacturer with a copy to architect.

B. Submit manufacturers printed maintenance recommendations.

C. Review recommended maintenance schedule and procedures with Owner's maintenance personnel.

D. Continuing Maintenance: Installer shall provide a continuing maintenance proposal to Owner, in the form of a standard quarterly (or other period) maintenance agreement, starting at time of Substantial Completion, stating services, obligations, conditions and terms for agreement period, and for renewal options.

1.6 WARRANTIES

A. The manufacture will warranty the frame for 15-years; the manufacturer will warranty the system if material becomes defective. Warranty will be approved with a signed RGS maintenance contract.

1.7 SERVICE

A. RGS recommends at a minimum unit should be serviced semi-annually by removing the contaminated SCORIA/MESITA absorbent.

Part 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

Rooftop Grease Solutions
701 S 22nd Street
Fort Dodge, IA 50501
Toll Free: 800-425-9062
Fax: 1-515-574-7879

2.2 MATERIALS

A. Frame Materials:

1. 2"x6" Recycled Plastic
2. Hardware: Grade 5 Bolts, Nuts, and Washers.

B. 5 layers of Grease Absorption/Containment Materials:

1. First Layer: Assimilation Pad
2. Second Layer: Perforated Grease Barrier Sheet
3. Third Layer: RGS approved Scoria sized 3/8" to 3/4"
4. 1" Wrapped Elevation/Drainage Board
5. Grease Deflector Shield

C. Treated Mesita absorbent

2.3 EQUIPMENT

A. RGS Bio Collection Fabrication: The RGS Bio Collection System HG 4S &/or LG 1S shall consist of a recycled plastic frame with bolted corner blocks and a 5-layer grease containment/absorption system with containment screen and grease deflector flashings.

1. Product: Provide RGS with dimensions required in accordance with manufacturer's sizing instructions.

Part 3 – EXECUTION

3.1 INSTALLATION – ROOF LOCATED RGS Bio Collection SYSTEMS

- A. Clean roof surface of all grease and/or foreign debris in location where RGS System will be installed.
- B. Assemble and install RPS HG, LG, or DG System in compliance with manufacturer's printed instructions.
- C. Assemble frame around curb using supplied carriage bolts and nuts.
- D. Lay pre-cut drainage board against roof inside frame, centering inside opening. Cut to fit when necessary.
- E. Lay assimilation pad down against drainage board and trim edges so they lay flat but the middle rolls up the curb.
- F. Repeat same procedure with the grease barrier sheet, making sure the corners lay flat and overlap.
- G. Use the cinch cord to hold the assimilation pad/grease barrier sheet in place around the curb. Make sure you leave the assimilation pad/grease barrier sheet 3-4" from the top of the curb. Do not cover vents on curb.
- H. Unroll the grease deflector and using supplied screws and fender washers, screw the grease deflector to the curb. Make sure the grease deflector overlaps the assimilation pad/grease barrier sheet by several inches. If the curb has a metal flashing, tuck the grease deflector up under the flashing. Cut grease deflector to appropriate size if necessary.
- I. Pour the Scoria into the frame, Level out Scoria making sure it is within 1" from the top of the frame.
- J. Trim off corners of assimilation pad/grease barrier sheet that stick up above the frame of the unit.
- K. Remove the wing nuts in the corners, and lay the containment screen on top of the frame. Secure the containment screen with the wing nuts and washers supplied. If the screen is too long, you may trim it with a pair of scissors. Installation is complete.