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Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The CSI Construction Specifications Practice Guide*.

This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" after editing this section.

Section numbers are from *MasterFormat 2012 Update*.

SECTION 22 14 26.13

RETROFIT ROOF DRAIN BACKFLOW MECHANICAL SEAL

Specifier Notes: This section covers OMG, Inc. "UFlow® Seals" for retrofit roof drains. Consult OMG, Inc. for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Retrofit roof drain backflow mechanical seals.

1.2 RELATED REQUIREMENTS

Specifier Notes: Edit the following list of related sections as necessary. Limit the list to sections with specific information that the reader might expect to find in this section, but is specified elsewhere.

- A. Section 22 14 00 – Facility Storm Drainage.

1.3 REFERENCE STANDARDS

Specifier Notes: List standards referenced in this section, complete with designations and titles. Delete standards not included in the edited section. Including a standard in this list does not require compliance with that standard.

- A. Single Ply Roofing Industry (SPRI):
 - 1. ANSI/SPRI RD-1 – Performance Standard for Retrofit Drains.
- B. Underwriters' Laboratories of Canada (ULC):
 - 1. ULC/ORD-C790.4 – Roof Drains.

1.4 SUBMITTALS

Specifier Notes: Edit submittal requirements as necessary. Delete submittals not required.

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, and details, indicating dimensions, materials, hardware, and installation layout including sizes and spacing.
- D. Samples: Submit manufacturer's sample of retrofit roof drains.
- E. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- F. Warranty Documentation: Submit manufacturer's standard warranty.

1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Manufacturer regularly engaged, for past 5 years, in manufacture of retrofit roof drains of similar type to that specified.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage and Handling Requirements:
 - 1. Store and handle materials in accordance with manufacturer's instructions.
 - 2. Keep materials in manufacturer's original, unopened containers and packaging until installation.
 - 3. Store materials in clean, dry area indoors.
 - 4. Protect materials during storage, handling, and installation to prevent damage.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. OMG, Inc., 153 Bowles Road, Agawam, Massachusetts 01001. 800-633-3800. Fax 413-821-0417. www.olyfast.com. info@olyfast.com.

2.2 RETROFIT ROOF DRAIN BACKFLOW MECHANICAL SEAL

- A. Retrofit Roof Drain Backflow Mechanical Seal: "UFlow Seal".

Specifier Notes: Specify size of retrofit roof drains.
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- 1. Size: [3 inches] [4 inches] [5 inches] [6 inches] [Indicated on the Drawings].
- 2. Compliance:
 - a. ANSI/SPRI RD-1.
 - b. ULC/ORD-C790.4.
- 3. Backflow Mechanical Seal:
 - a. Compression Seal: Watertight, "U-Flow" mechanical seal.
 - b. Material: Polyamide and EPDM rubber.
 - c. Required for Activation: "U-Flow" screwdriver.

2.3 ACCESSORIES

- A. Screwdriver: "U-Flow".
 - 1. Shaft: 12-1/2 inches long.
 - 2. Socket Tip: #2 square.
 - 3. Reach base of drain stem to activate backflow seal.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine existing roof drains to receive retrofit roof drains with backflow mechanical seal.
- B. Notify Architect of conditions that would adversely affect installation or subsequent use.
- C. Do not begin installation until unacceptable conditions are corrected.

3.2 PREPARATION

- A. Remove clamping ring, strainer dome, and bolts from existing roof drain assembly and discard.
- B. Clean existing drain leader pipe of bitumen, dirt, and debris.

3.3 INSTALLATION

- A. Install retrofit roof drains with backflow mechanical seal in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Install retrofit roof drains with backflow mechanical seal into existing drain leaders in accordance with manufacturer's instructions.
- C. Install flashing in accordance with membrane roofing manufacturer's instructions.
- D. Install retrofit roof drains with backflow mechanical seal to provide watertight connection to existing plumbing and membrane roofing systems.

3.4 PROTECTION

- A. Protect installed retrofit roof drains with backflow mechanical seal to ensure that, except for normal weathering, retrofit roof drains will be without damage or deterioration at time of Substantial Completion.

END OF SECTION