



SECTION 07720  
ROOF DRAIN AND VENT ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roof Drains.
- B. Roof Vents
- C. Roof Security Vent Flashing
- D. Roof Penetration Flashings

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry.
- B. Section 07260 - Air Barriers.
- C. Division 07 - Adjacent Roofing Systems.
- D. Section 07620 - Sheet Metal Flashing and Trim.
- E. Section 07920 - Joint Sealants.
- F. Section 15145 - Plumbing Piping.

1.3 REFERENCES

- A. ASME A112.6.4 - Roof, Deck, and Balcony Drains.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, and accessories.
- D. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 50 years manufacturing similar products.

- B. Installer Qualifications: Minimum 2 years installing similar products.

## 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in manufacturer's unopened packaging with labels intact and legible until ready for installation.
- B. Store off the ground and under cover. Protect internal parts, ends, inlets, outlets, and specialties against corrosion, dirt, and damage.

## 1.7 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

## 1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Marathon Roofing Products Inc., which is located at: 3310 Benzing Rd.; Orchard Park, NY 14127-1538; Toll Free Tel: 800-828-8424; Tel: 716-332-7673; Fax: 716-332-7676; Email:[request info \(mrp@marathondrains.com\)](mailto:request_info_(mrp@marathondrains.com);); Web:[www.marathondrains.com](http://www.marathondrains.com)|[www.mrpsupports.com](http://www.mrpsupports.com)
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

### 2.2 ROOF DRAINS

- A. Aluminum Fast Flow Drain (**retrofit**)
  - 1. Construction:
    - a. Heavy gauge (.125) spun aluminum
    - b. New PVC clamping ring style for single-ply systems, cast iron or aluminum rings optional
    - c. Bolt in place PVC strainer dome standard, cast iron or aluminum strainers optional
  - 2. Fast Flow Drain: Fits existing drain size.
    - a. FF175: 1-3/4 inch to 2-1/4 inch
    - b. FF275: 2-3/4 inch to 3-1/4 inch
    - c. FF375: 3-3/4 inch to 4-1/4 inch
    - d. FF475: 4-3/4 inch to 5-1/4 inch
    - e. FF575: 5-3/4 inch to 6-1/4 inch
  - 3. Fast Flow Drain with clamping ring: Fits existing drain size.
    - a. FF175CR: 1-3/4 inch to 2-1/4 inch
    - b. FF275CR: 2-3/4 inch to 3-1/4 inch
    - c. FF375CR: 3-3/4 inch to 4-1/4 inch
    - d. FF475CR: 4-3/4 inch to 5-1/4 inch
    - e. FF575CR: 5-3/4 inch to 6-1/4 inch
  - 4. Fast Flow Drain with expanding anti-back-up tape: Fits existing drain size.
    - a. FF175-S: 1-3/4 inch to 2-1/4 inch

- b. FF275-S: 2-3/4 inch to 3-1/4 inch
  - c. FF375-S: 3-3/4 inch to 4-1/4 inch
  - d. FF475-S: 4-3/4 inch to 5-1/4 inch
  - e. FF575-S: 5-3/4 inch to 6-1/4 inch
  - 5. Fast Flow Drain with expanding anti-back-up tape and clamping ring: Fits existing drain size.
    - a. FF175-SCR: 1-3/4 inch to 2-1/4 inch
    - b. FF275-SCR: 2-3/4 inch to 3-1/4 inch
    - c. FF375-SCR: 3-3/4 inch to 4-1/4 inch
    - d. FF475-SCR: 4-3/4 inch to 5-1/4 inch
    - e. FF575-SCR: 5-3/4 inch to 6-1/4 inch
  - 6. Connection Options:
    - a. Straight rubber coupling
    - b. XJ rubber coupling
    - c. Bushing reducers
    - d. FURNCO 90 degree elbow
  - 7. Flange Options
    - a. Asphalt Primed finish
    - b. PVC coated
    - c. TPO coated
  - 8. Strainer Options
    - a. 8 inch aluminum strainer
    - b. 8 inch cast iron strainer
    - c. 8 inch plastic strainer
    - d. 10 inch cast iron strainer
    - e. 10 inch aluminum strainer
    - f. 10 inch plastic strainer
- B. Aluminum Fast Flow Drain (**direct connect**)
- 1. Construction:
    - a. Heavy gauge (.125) spun aluminum
    - b. New PVC clamping ring style for single-ply systems, cast iron or aluminum rings optional
    - c. Bolt in place PVC strainer dome standard, cast iron or aluminum strainers optional
  - 2. Fast Flow Size:
    - a. FF200: 2 inch
    - b. FF300: 3 inch
    - c. FF400: 4 inch
  - 3. Fast Flow Size with clamping ring:
    - a. FF200CR: 2 inch
    - b. FF300CR: 3 inch
    - c. FF400CR: 4 inch
  - 4. Connection Options:
    - a. Straight rubber coupling
    - b. XJ rubber coupling
    - c. Bushing reducers
    - d. FURNCO 90 degree elbow
  - 5. Flange Options
    - a. Asphalt Primed finish
    - b. PVC coated
    - c. TPO coated
  - 6. Strainer Options
    - a. 8 inch aluminum strainer
    - b. 8 inch cast iron strainer
    - c. 8 inch plastic strainer

- d. 10 inch cast iron strainer
- e. 10 inch aluminum strainer
- f. 10 inch plastic strainer

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Inspect and mating pipe for form and cleanliness.
- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Roof Drains
  - 1. Install in the locations indicated.
  - 2. Maintain integrity of waterproof membranes where penetrated.
  - 3. Flashing collar or flange: Install between drain and roofing materials.
- C. Roof Vents and penetration flashings
  - 1. Install in the locations indicated.
  - 2. Maintain integrity of waterproof membranes where penetrated.
  - 3. Flashing collar or flange: Install between drain and roofing materials.

### 3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Protect drains for duration of construction period from traffic, dirt, and debris.
- C. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION