



SECTION 07720
ROOF DRAIN AND VENT ACCESSORIES

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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|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. CENTURY Series Copper Roof Drain
 1. Construction:
 - a. All copper drain
 - b. 9 inch outlet length standard (longer lengths available)
 - c. Polyethylene clamping ring standard (metal or aluminum ring optional)
 2. Century Straight Style: Fits drain pipe size
 - a. CS29: 2 inch drain size, 14 inch flange
 - b. CS39: 3 inch drain size, 14 inch flange
 - c. CS49: 4 inch drain size, 14 inch flange
 3. Century Straight Style / Clamping Ring: Fits drain pipe size
 - a. CS29 CR(E): 2 inch drain size, 14 inch flange
 - b. CS39 CR(E): 3 inch drain size, 14 inch flange
 - c. CS49 CR(E): 4 inch drain size, 14 inch flange
 4. Century Straight Style: Fits drain pipe size
 - a. CPS29: 2 inch drain size, 18 inch flange
 - b. CPS39: 3 inch drain size, 18 inch flange
 - c. CPS49: 4 inch drain size, 18 inch flange
 - d. CPS69: 6 inch drain size, 18 inch flange
 5. Century Straight Style / Clamping Ring: Fits drain pipe size
 - a. CPS29 CR(E): 2 inch drain size, 18 inch flange
 - b. CPS39 CR(E): 3 inch drain size, 18 inch flange

- c. CPS49 CR(E): 4 inch drain size, 18 inch flange
- d. CPS69 CR(E): 6 inch drain size, 18 inch flange
- 6. Connection Options:
 - a. Straight rubber coupling
 - b. XJ rubber coupling
 - c. FURNCO 90 degree elbow
- 7. Flange Options
 - a. Asphalt primed finish
 - b. PVC coated
 - c. TPO coated
- 8. Strainer Options
 - a. 10 inch High density polyethylene
 - b. 10 inch cast iron strainer
 - c. 10 inch aluminum 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

