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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 Project Resource Manual—CSI Manual of Practice, Fifth Edition*.

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 1995 Edition*, with numbers from *MasterFormat 2004 Edition* in parentheses. Delete version not required.

### SECTION 07720 (07 72 00)

#### ROOF PENETRATION SINGLE-PLY FLASHING

Specifier Notes: This section covers FlashCo® Manufacturing, Inc. “FlashCap™ SP-Series” single-ply flashing and counterflashing for round roof penetrations from 1/2-inch to 12-inch diameter. Consult FlashCo® Manufacturing, Inc. for assistance in editing this section for the specific application.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Single-ply flashing and counterflashing for round roof penetrations from 1/2-inch to 12-inch diameter.

##### 1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 07530 (07 53 00) – Elastomeric Membrane Roofing.

- B. Section 07540 (07 54 00) – Thermoplastic Membrane Roofing.
- C. Section 07920 (07 92 00) – Joint Sealants.

### **1.3 REFERENCES**

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. ASTM D 4434 – Standard Specification for Poly(Vinyl Chloride) Sheet Roofing.
- B. ASTM D 6878 – Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing.

### **1.4 SUBMITTALS**

- A. Comply with Section 01330 (01 33 00) – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data.
- C. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- D. Warranty: Submit manufacturer's standard warranty.

### **1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
- C. Handling: Protect materials during handling and installation to prevent damage.

### **1.6 WARRANTY**

- A. Warranty Period: 20 years.

## **PART 2 PRODUCTS**

### **2.1 MANUFACTURER**

- A. FlashCo Manufacturing, Inc., 1452 Industrial Avenue, Sebastopol, California 95472. Toll Free (866) 323-5274. Phone (707) 824-4448. Fax (707) 824-5858. Website [www.flashcomfg.com](http://www.flashcomfg.com). E-mail [sales@flashcomfg.com](mailto:sales@flashcomfg.com).

### **2.2 MATERIALS**

- A. Single-Ply Flashing: "FlashCap SP-Series" flashing with counterflashing.

Specifier Notes: Specify the flashing and counterflashing material. Consult FlashCo® Manufacturing, Inc. for availability of other materials. Delete materials not required.

1. Material: [Thermoplastic polyolefin (TPO), ASTM D 6878] [Polyvinyl chloride (PVC), ASTM D 4434] [ \_\_\_\_\_ ].

Specifier Notes: Specify the flashing and counterflashing color. Delete colors not required.

2. Color: [White] [Tan] [Gray].

Specifier Notes: Specify the product code for “FlashCap™ SP-Series” flashing. Delete product codes not required.

3. Product Code: [SP P-0100] [SP P-0125] [SP P-0150] [SP P-0175] [SP P-0225] [SP P-0275] [SP P-0325] [SP P-0375] [SP P-0475] [SP P-0588] [SP P-0688] [SP P-0888] [SP P-9999].
4. Thickness:

Specifier Notes: Specify the reinforced single-ply thickness. 0.060-inch thickness is standard for the reinforced base. 0.045-inch thickness is standard for the reinforced riser. Consult FlashCo® Manufacturing, Inc. for availability of other reinforced single-ply thicknesses. Delete single-ply thicknesses not required.

- a. Reinforced Base: [0.045 inch] [0.060 inch] [0.080 inch] [ \_\_\_\_\_ inch].
- b. Reinforced Riser: [0.045 inch] [0.060 inch] [ \_\_\_\_\_ inch].

Specifier Notes: Specify the skirt size. Four-inch skirt size is standard. Consult FlashCo® Manufacturing, Inc. for availability of other skirt sizes. Delete skirt sizes not required.

5. Skirt Size: [4 inches] [6 inches] [8 inches] [ \_\_\_\_\_ inches].
6. Riser:

Specifier Notes: Specify the riser height. 12-inch riser height is standard. Consult FlashCo® Manufacturing, Inc. for availability of other riser heights. Delete riser heights not required.

- a. Height: [8 inches] [12 inches] [16 inches] [ \_\_\_\_\_ inches].

Specifier Notes: Specify the standard pipe size (SPS) or outside diameter of the penetration. Consult FlashCo® Manufacturing, Inc. for availability of other sizes.

- b. [Standard Pipe Size: \_\_\_\_\_ inches] [Outside Diameter of Penetration: \_\_\_\_\_ inches].

Specifier Notes: Delete counterflashing for vent pipe if not required.

7. Counterflashing for Vent Pipe:

Specifier Notes: Specify the product code for “FlashCap™ SP-Series” counterflashing. Delete product codes not required.

- a. Product Code: [SP CF-225] [SP CF-275] [SP CF-375] [SP CF-475].

## 2.3 ACCESSORIES

Specifier Notes: Delete the following accessories if not required.

- A. Accessories for Counterflashing for Non-Vent Pipe:
1. Adjustable Hose Clamp: Stainless steel.
  2. Sealant: Specified in Section 07920 (07 92 00).

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Examine roofing areas to receive single-ply flashing and counterflashing.
- B. Notify Architect of conditions that would adversely affect installation or subsequent use.
- C. Do not begin surface preparation or installation until unacceptable conditions are corrected.

### 3.2 SURFACE PREPARATION

- A. Prepare surfaces in accordance with roofing material manufacturer’s instructions.

### 3.3 INSTALLATION

- A. Install single-ply flashing in accordance with roofing material manufacturer’s instructions.
- B. Install single-ply flashing and counterflashing for round roof penetrations at locations indicated on the Drawings.
- C. Provide watertight seal for round roof penetrations.
- D. Heat weld single-ply flashing to roof in accordance with roofing material manufacturer’s instructions.
- E. Counterflashing for Vent Pipe:
1. Install single-ply counterflashing in accordance with single-ply counterflashing manufacturer’s instructions.
  2. Place counterflashing on top of flashing to fit snugly within pipe and over flashing and spot heat weld into place.
- F. Counterflashing for Non-Vent Pipe:

1. Install single-ply counterflashing in accordance with single-ply counterflashing manufacturer's instructions.
2. Install single-ply bonnet or collar when penetration is continuous.
3. Form single-ply above flashing.
4. Hold single-ply in place with adjustable hose clamp.
5. Flange-out single-ply at top of counterflashing.
6. Apply sealant as specified in Section 07920 (07 92 00) between top of collar and pipe.

### **3.4 PROTECTION**

- A. Protect installed single-ply flashing and counterflashing to ensure that, except for normal weathering, flashing and counterflashing will be without damage or deterioration at time of substantial completion.

**END OF SECTION**