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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. The 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" when editing this section.

### **SECTION 22150**

#### **FLOOR DRAINS**

Specifier Notes: This section covers MIFAB "F1100" floor drain for non-membrane floor areas. Consult MIFAB for assistance in editing this section for the specific application.

#### **PART 1 GENERAL**

##### **1.1 SECTION INCLUDES**

- A. Floor drains for non-membrane floor areas.

##### **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 **22100** - Building Services Piping.
- B. Section **22400** - Plumbing Fixtures and Equipment.

##### **1.3 REFERENCES**

- A. ASME A112.6.3 - Floor and Trench Drains.
- B. ASTM A 48 - Standard Specification for Gray Iron Castings.

## 1.4 SUBMITTALS

- A. Comply with Section 01330 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation instructions.

## 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 and finish from damage during handling and installation.

## PART 2 PRODUCTS

### 2.1 MANUFACTURER

Specifier Notes: Specify MIFAB, Inc. in the US or MIFAB Canada in Canada

- A. [MIFAB, Inc., 1321 West 119<sup>th</sup> Street, Chicago, IL. 60643-5109 Toll Free (800) 465-2736.]  
Web Site [www.mifab.com](http://www.mifab.com) E-Mail [mail@mifab.com](mailto:mail@mifab.com).

### 2.2 MATERIALS

- A. Floor Drains: F1100 floor drain for non-membrane floor areas.
  - 1. Compliance: ASME A112.6.3.
  - 2. Load Rating: Up to 2,000 pounds.
  - 3. Body: A1, 8-inch (200-mm) diameter body. Lacquered, ASTM A 48, Class 25 cast iron body with anchor flange and weepholes. 4-inch (100-mm) throat. 4-inch (100-mm) NPS machined integral body threads.
  - 4. Strainer: Reinforced, round, adjustable, nickel bronze strainer with satin finish. Vandal-resistant stainless steel screws.

Specifier Notes: Specify strainer diameter and pipe size.

- 5. Strainer Diameter: [5 inches (125 mm)] [6 inches (150 mm)] [7 inches (175 mm)] [8 inches (200 mm)].
- 6. Pipe Size: [2 inches (50 mm)] [3 inches (75 mm)] [4 inches (100 mm)] [6 inches (150 mm)].

Specifier Notes: Specify required floor drain options and revise above text as necessary. Delete options not required. Consult MIFAB for additional information.

- B. Floor Drain Options:
  - 1. Type 304 stainless steel strainer with No. 4 satin finish.
  - 2. 3M epoxy finish.
  - 3. Ductile iron grate (5 inches, 8 inches only).

4. Sediment bucket.
5. Vandal proof.
6. Trap seal primer tapping.
7. Backwater valve.
8. Acid-resistant epoxy coating.
9. All galvanized.
10. Extension.
11. Body: [Bronze] [Type 304 stainless steel] [Type 316 stainless steel].
12. Socket Connection Body: [PVC] [ABS].
13. Closure plug.
14. Deck clamp.
15. Sump receiver.
16. Lacquered cast iron funnels.
17. Threaded side outlet.
18. Client logo.
19. Funnel: [4-inch round] [6-inch round] [4-inch by 9-inch oval] [6-inch by 3-inch by 1-inch].
20. Outlet: [Push-on] [Threaded] [Inside caulk].
21. Elastomeric flange.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Examine areas to receive floor drains. Notify Architect of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

### **3.2 INSTALLATION**

- A. Install floor drains in accordance with manufacturer's instructions at locations indicated on the drawings.
- B. Install floor drains plumb, level, and to correct elevation.
- C. Ensure top of floor drains are flush with top of finished floor.
- D. Install floor drains using manufacturer's supplied hardware.

### **3.3 PROTECTION**

- A. Protect installed floor drains from damage during construction.

**END OF SECTION**