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## Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) *MasterFormat™ 2004 Edition*.

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 05 73 00

#### ORNAMENTAL RAILING SYSTEM

#### SMOKE BAFFLE SYSTEM (DRAFT CURTAIN)

Specifier Notes: This section covers Livers Bronze Co. "**SMOKE BAFFLE**" pre-engineered, component based, draft curtain system. Consult Livers Bronze for assistance in editing this section for the specific application.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Pre-engineered, component-based, draft curtain system.

##### 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 05 51 00 - Metal Stairs.
- B. Section 05 52 00 - Metal Railings.
- C. Section 05 71 00 - Decorative Metal Stairs.
- D. Section 05 73 00 – Decorative Metal Railings.

### 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. ANSI Z97.1 - Safety Glazing Material Used in Buildings.
- B. ASTM E 985 – Standard Specification for Permanent Metal Railing Systems and Rails for Buildings.

### 1.5 SUBMITTALS

- A. Comply with Section 01 33 00 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including description of materials, components, fabrication, finishes and installation instructions. Installation instructions include all structural computations and test reports provided by the manufacturer evidencing compliance with the specifications.
- C. Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, and details, indicating materials, components, sizes, dimensions, tolerances, hardware, fasteners, finishes, options, accessories, and installation. Show details of attaching draft curtain system to supports.
- D. Submit manufacturer's samples of standard materials, finishes, colors, and textures.
- E. Test Reports: Submit test reports from qualified independent testing agency indicating compliance with ASTM E 985.
- F. Manufacturer's Quality Assurance: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application. Submit certification that the manufacturer has not less than 5 years experience producing the product specified in this section. Installation of this product will be done by the manufacturer or an approved installer.
- G. Maintenance Instructions: Submit manufacturer's maintenance and cleaning instructions.
- H. Warranty: Submit manufacturer's standard warranty.

### 1.6 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**

- A. Livers Bronze Co., 4621 East 75th Terrace, Kansas City, Missouri 64132. Phone (816) 300-2828. Fax (816) 300-0864. Web Site [www.liversbronze.com](http://www.liversbronze.com). E-Mail [livers@liversbronze.com](mailto:livers@liversbronze.com).
- B. Basis of Design: Drawing and specifications have been prepared based on Livers Bronze "SMOKE BAFFLE" draft curtain system. Substitutions must be made and approved a minimum of 4 weeks prior to the project bid and comply with (C) below. Failure to provide substitution request will result in rejection.
- C. Substitutions: Comply with Section 01 62 00.
  - a. Submit the following with the substitution request.
    - 1. Detailed specifications of construction and fabrication
    - 2. Independent certified test reports indicating compliance with design and performance requirements specified in this section.
    - 3. Sample of each type of fitting.

**2.2 SMOKE BAFFLE SYSTEM (DRAFT CURTAIN)**

- A. Pre-Engineered, Component-Based, Draft Curtain System: **SMOKE BAFFLE.**
  - 1. Base 3" x 3" extruded aluminum -

Specifier Notes: Consult Livers Bronze for availability of other glass types.

- 3. Glass: [3/8-inch] [1/2-inch] ] thick [clear] [gray tint] [bronze tint] [ \_\_\_\_\_ ] tempered plate glass.
  - a. Glazing Material: ANSI Z97.1.
  - b. Field glaze glass panels.

Specifier Notes: Specify required finish.

- 6. Finish:
  - a. Powder Coat:
    - 1) Color: \_\_\_\_\_ [Choose from manufacturers standards]
    - 2) Texture: \_\_\_\_\_ [Choose from manufacturers standards]
  - b. Metal: [Directional satin] [Non-directional satin] [Polished].
  - c. Wood: Sanded, final field finish.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Examine areas to receive draft curtain system. Notify Architect if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

### **3.2 INSTALLATION**

- A. Install draft curtain system in accordance with manufacturer's instructions using manufacturer's trained installers or an installer acceptable to the specified manufacturer.
- B. Install draft curtain system plumb, level, square, true to line, and rigid.
- C. Attach draft curtain system securely in place using fasteners supplied or approved by manufacturer. All embedded anchor plates and supporting steel shall be provided by another trade and coordinated with the draft curtain supplier.
- D. Attach draft curtain system to supports as indicated on the drawings and as approved by manufacturer.
- E. Field weld components as approved by manufacturer.
- F. Use manufacturer's supplied hardware.
- G. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.
- H. Remove and replace defective or damaged components that cannot be successfully repaired as determined by Architect.

### **3.3 CLEANING**

- A. Clean draft curtain system promptly after installation in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials or methods that would damage glass or finish.
- C. Do not use abrasive cleaners.

### **3.4 PROTECTION**

- A. Protect installed draft curtain system and finish from damage during other construction.

**END OF SECTION**