SECTION 05 7300
SMOKE BAFFLE SYSTEM

PART 1 – GENERAL

1.1 SECTION INCLUDES

A. Pre-engineered, component-based, smoke baffles system.

1.2 RELATED REQUIREMENTS

A. Section 05 5100 - Metal Stairs
B. Section 05 5200 - Metal Railings
C. Section 05 7100 - Decorative Metal Stairs
D. Section 05 7300 - Decorative Metal Railings
E. Section 08 8100 – Glass Glazing

1.3 REFERENCES


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 attachment of smoke baffle 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 IBC Section 711 - Smoke Partitions.
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. Basis of Design: Drawings and specifications have been prepared based on Smoke Baffle Systems by:
   C.R. Laurence Co., Inc. (CRL)
   Tel: (800) 421-6144 Fax: (800) 587-7501
   Email: railings@crlaurence.com
   www.crlaurence.com

B. Substitutions: Comply with Section 01 62 00.

2.2 MATERIALS- SMOKE BAFFLE SYSTEM

A. Pre-Engineered, Component-Based, Smoke Baffle System
   1. Base 1-17/32” (38.9 mm) x 2-51/64” (71 mm) extruded aluminum - for 1/2” (12 mm) Tempered Glass.
   2. Base 1-15/16” (49.2 mm) x 3-9/16” (90.5 mm) extruded aluminum – for 3/4” (19 mm) Tempered Glass.
   3. Glazing Material: ANSI Z97.1. (Supplied by others)
      a. Field glaze glass panels.
   4. Finish: (Specify)
      a. Powder Coat: (Specify)

PART 3 – EXECUTION

3.1 EXAMINATION

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

3.2 INSTALLATION

A. Install smoke baffle system in accordance with manufacturer's instructions using trained installers.
B. Install units rigid, straight, level, and plumb.
C. Attach smoke baffle 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 smoke baffle supplier.
D. Attach smoke baffle system to supports as indicated on the drawings and as approved by manufacturer.
E. Use manufacturer's supplied hardware.
F. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.
G. Remove and replace defective or damaged components that cannot be successfully repaired as determined by Architect.

3.3 CLEANING

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

3.4 PROTECTION

A. Protect installed smoke baffle system from damage during other construction.

END OF SECTION