

SECTION 10 52 00  
FIRE PROTECTIVE FIXED SMOKE DRAFT CURTAINS

**PART 1 – GENERAL**

1.01 SUMMARY

A. Section Includes:

1. Division 5 Section "Metal Fabrications" for supplementary metal members supporting smoke curtain systems to structure.

B. Products Furnished Under This Section:

1. This Section includes Fixed Smoke Draft Curtains –
2. Model- U.S. Smoke & Fire™ SD60 Fixed Fabric Draft Curtains

C. Related Requirements:

1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 REQUIRED TEST REPORTS & MINIMUM PERFORMANCE STANDARDS -  
Underwriter Laboratory Label Requirement for Fire Protective Smoke Curtains

A. Required Testing Reports, Label Requirements, and Minimum Performance Standards:

1. UL 10B- Fire test of Door Assemblies Time Temperature Curve minimum 1 hour rated.
2. UL 10C- Positive pressure for fire door assemblies
3. UL 10D- UL Labeled, Listed Protective Curtains.
4. UL Follow up Service Report Required
5. ASTM E84- Test Report
6. ASTM 136 Test Report
7. NFPA 701 Test Report
8. NFPA 105

9. California Department of Forestry and Fire Protection and Office of the State Fire Marshal Listing.
10. Impact test required by Independent testing Laboratory

### 1.03 SUBMITTALS

#### A. Product Data:

1. For each type of product indicated.

#### B. Shop Drawings:

1. Show fabrication and installation details for fixed smoke curtains. Include plans, sections, details, attachments to other work, and the following:
  - a. Operating clearances.
  - b. Locations of equipment components.

#### B. Samples:

1. For each type of fabric from dye lot to be used for the Work, with specified treatments applied, and showing complete pattern and texture repeat, if any. Mark top and face of fabric. Prepare Samples of not less than 36 inches (900 mm) square.

#### C. Qualification Data:

1. For Installer. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

#### D. U.S. Green Building Council (USGBC)- LEED- local and regional materials. Assembled in the United States by factory-trained employees.

### 1.04 CLOSEOUT SUBMITTALS

#### A. Warranty Documentation:

1. Warranties specified in this Section.

### 1.05 QUALITY ASSURANCE

A. Qualifications:

1. Installers:

- a. A firm or individual in the United States with no less than five years on-site installation experience in the United States, experienced in installing fixed smoke curtains similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.
- b. Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination."

1.06 FIELD CONDITIONS

A. Existing Conditions:

1. Verify rough and clear openings and the dimensions of other construction by field measurements before fabrication and indicate measurements on shop drawings.

1.07 WARRANTY

A. Manufacturer Warranty:

1. Warranty of one year.

**PART 2 - PRODUCTS**

2.01 FIXED FIRE PROTECTIVE SMOKE CURTAINS

A. Manufacturers:

1. U.S. Smoke & Fire, 888-917-8777 Ext 102  
[www.ussmokeandfire.com](http://www.ussmokeandfire.com), [www.ussmokeandfirecurtain.com](http://www.ussmokeandfirecurtain.com)
2. Fabrilok, Smoke & Fire Prevention Systems, 434.374.8537
3. Total Door, 800.852.6660

B. Description:

Provide Model U.S. Smoke & Fire™ SD60 Fixed Fabric Smoke Curtains as manufactured by U.S. Smoke and Fire.

1. There are no substitutions of materials specified allowed during the bidding process. If, for any reason a deviation from materials specified by the designers is desired or warranted, a cover letter and a request for deviation. Transmittal form must be submitted to construction manager (CM). If the proposed deviation is rejected by the CM or the Designers, it is this subcontractor's responsibility to obtain the original items and maintain the original construction schedule. The Designer has the right to require the originally specified material or item and his decision on the matter is final.

C. Performance/Design Criteria:

1. The fabric curtain shall be manufactured from X32K woven. The woven glass fiber fabric shall have a nominal weight of no less than 540g/square meter and shall be UL listed for at least one hour.
2. An optional weighted bottom bar shall be provided to prevent deflection.

## **PART 3 - EXECUTION**

### **3.01 INSTALLERS**

#### **A. Installers:**

1. CYSA-U.S. Smoke & Fire 888.917.8777, 888.917.5612
2. B.T. Mancini 408.942.7900
3. Total Door 714.258.1700

### **3.02 EXAMINATION**

#### **A. Verification of Conditions:**

1. Examine areas and conditions, with Installer present, for compliance with requirements for supporting members, blocking, installation tolerances, clearances, and other conditions affecting performance of fixed smoke-curtain work. Proceed with installation only after unsatisfactory conditions have been corrected.
2. Examine inserts, clips, blocking, or other supports required to be installed by others to support curtain fabric. Proceed with installation only after unsatisfactory conditions have been corrected.

### **3.03 INSTALLATION**

- #### **A. Install fixed smoke-curtain according to manufacturer's written instructions.**

END OF SECTION 10 52 00