SECTION 08 33 43

Overhead coiling smoke curtains

1. GENERAL
   1. Section Includes
      1. Fixed Draft-Protective Curtain Assemblies.
   2. Related Sections

[Specifier Notes]: Remove sections not required under project scope of work.

* + 1. Section 08 33 44 – Overhead Coiling Fire Curtains.
  1. Coordination
     1. Coordinate smoke curtain assemblies with power, signal, fire-alarm, and smoke-detection systems specified in Division 26 and Division 28.
     2. Coordinate elevator smoke-protective curtain assemblies with elevator hoist way door frames specified in Division 14.
     3. Coordinate smoke-protective curtain assemblies with ceilings for operational clearances and maintenance access requirements.
     4. Coordinate smoke-protective curtain assemblies with walls for support requirements, rating continuity above ceilings, and recessed wall switches.
     5. Coordinate requirements for metal supports required for smoke-protective curtain assemblies.
  2. Informational Submittals
     1. Submit under provisions of Section 01 30 00.
     2. Product Data: Manufacturer's product information and data sheets for each product specified in this section, including:
        1. Substrate preparation instructions and recommendations
        2. Installation means and methods.
        3. Recommendations and requirements for proper storage and handling.
     3. Shop Drawings:
        1. Submit Manufacturer’s approved shop drawings detailing the section and elevation views of each product to be installed.
        2. Coordinate with locations listed on Contract Drawings.
     4. Warranty Information:
        1. Submit confirmation and details of manufacturer’s warranty, extended warranty, and replacement policies.
  3. Closeout SUBMITTALS
     1. Operation and Maintenance Data: For smoke- and fire-protective curtain assemblies to include in emergency, operation, and maintenance manuals.
     2. Field quality-control reports for required testing.
  4. QUALITY ASSURANCE
     1. Qualifications:
        1. Manufacturer: Minimum of seven (7) years experience in manufacturing draft-control curtain assemblies at a facility in the United States that have been successfully installed in compliance with requirements of authorities having jurisdiction.
        2. Installers: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.
  5. Delivery, Storage and Handling
     1. Deliver, store and handle materials and products in accordance with the manufacturer's instructions and recommendations and industry standards.
     2. Store all materials in the manufacturer’s original packaging until ready for installation. Protect all products from damage or exposure to adverse weather conditions.
  6. Project Conditions
     1. Prior to fabrication, verify that dimensions are consistent with those found in the construction drawings. Where discrepancies exist, confirm the proper dimensions with the Architect before proceeding with work.
  7. WARRANTY
     1. Manufacturer Warranty: Provide manufacturer’s warranty covering parts and labor costs to repair or replace part that fail to perform.
        1. Warranty Period: Parts and labor warranty for 12 months from date of Substantial Completion or date of purchase, whichever comes first.

1. Products

* 1. MANUFACTURERS

[Specifier Notes] – Retain the following Paragraph if this document is a PROPRIETARY Specification, with Avigilon’s products listed as the Basis of Design. Delete if not required.

* + 1. Basis of Design Manufacturer: Smoke Guard, A CSW Industrials Company.
       1. Address: 287 N. Maple Grove, Boise, ID 83704.
       2. Phone: (800) 574-0330.
       3. Website: https://smokeguard.com

[Specifier Notes] – Retain the following Paragraph if this document is written as a PERFORMANCE specification, without listing a manufacturer as a basis of design. Insert manufacturers that sell products comparable to those specified in this section. Delete if not required.

* + 1. Manufacturer List:
       1. Manufacturer:
    2. Substitution Limitations:
       1. Submit substitution requests in accordance with provisions of Section 01 60 00.
       2. Single manufacturer will provide, from a single source, draft-protective curtains.
  1. Fixed Draft CURTAIN ASSEMBLIES
     1. Fixed fabric draft-protective curtain assembly complying with NFPA 92.

[Specifier Notes] – Retain the following Paragraph if the specification is meant to be proprietary to Smoke Guard products. Delete if a performance-based specification is required.

* + - 1. Basis of Design Product: SG Draft, by Smoke Guard, a CSW Industrials Company.
    1. Size: Unlimited.
    2. Curtain Materials: Provide manufacturer’s standard multi-layer glass fiber fabric coated on both sides complying with each of the following:
       1. Non-combustible material when tested in accordance ASTM E136.
       2. Flame-Spread and Smoke-Developed Indexes: 25 and 450, respectively, when tested in accordance with ASTM E84.
    3. Curtain Attachment: Provide manufacturer's standard attachment method to suspend, hold taut, and prevent curtain deflection from air movement.

1. EXECUTION
   1. EXAMINATION
      1. Examine substrates upon which work will be installed.
         1. Verify related work performed under other sections is complete and in accordance with Shop Drawings.
         2. Verify wall surfaces and elevator door frames are acceptable for installation of smoke containment system components.
      2. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates.
      3. Proceed with installation only after unsatisfactory conditions have been corrected.
      4. Verify that locations of concealed reinforcements have been clearly marked for the installer.
      5. Locate reinforcement points and clearly mark their locations if not already done.
   2. PREPARATION
      1. Clean surfaces prior to installation.
      2. Prepare surfaces as recommended by the manufacturer for achieving optimal results.
   3. INSTALLATION
      1. Install in accordance with manufacturer’s current installation instructions and industry recognized best practices.
      2. Install in accordance with all code bodies having jurisdiction.
   4. Cleaning and Protection
      1. Clean and remove all stains, grime, or other soils using soap and water. Only use detergents approved by the manufacturer for use on the finishes specified. Do not use acid solutions, steel wool, and other harsh abrasives.
      2. Damaged products must be repaired or replaced prior to substantial completion.
      3. Protect installed products until completion of work specified in this section.
   5. Maintenance:
      1. Fire Event: Owner shall engage a qualified inspector to assess assembly after exposure to a fire event.

END OF SECTION