

SECTION 09 77 13 - STRETCHED-FABRIC WALL SYSTEMS
(Track Tex High Tension System)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. A site installed wall upholstery system that is stretched over a continuous, concealed fastening system.

1.02 RELATED REQUIREMENTS

- A. Section 01270 - Unit Prices: Descriptions of unit price items, administrative requirements.
- B. Section 01230 - Alternates: Descriptions of items, administrative requirements.
- C. Section 01300 - Administrative Requirements: Submittal procedures, project meetings, progress schedules and documentation, reports, coordination.
- D. Section 01355 - LEED Certification Procedures.
- E. Section 01600 - Product Requirements: Fundamental product requirements, substitutions and product options, delivery, storage, and handling.
- F. Section 01700 - Execution Requirements: Examination, preparation, and general installation procedures; pre-installation meetings; cutting and patching; cleaning and protection; starting of systems; demonstration and instruction.

1.03 Allowances:

- A. See Section 01210 - Allowances, for cash allowances affecting this section.

1.04 Unit Prices:

- A. See Section 01270 - Unit Prices, for additional unit price requirements.
 - 1. Provide the work under the unit price method.
 - 2. Measure panel area by the square foot (meter).
- B. Alternates:
 - 1. See Section 01230 - Alternates, for product alternatives affecting this section.

1.05 REFERENCE STANDARDS

- A. ASTM C 423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
- B. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2007.

1.06 ADMINISTRATIVE REQUIREMENTS

- A. Pre-installation Meeting: Conduct a pre-installation meeting at the project site, one week prior to the start of the work of this section; require attendance by all of the following:
 - 1. Owners Representative.
 - 2. Architect.
 - 3. Manufacturers Representative.
 - 4. Other Trades affected by the work of this section.

1.07 SUBMITTALS

- A. See Section 01300 - Administrative Requirements, for submittal procedures.
- B. Product Data: Submit manufacturers' material specifications and installation instructions for handling, storage, protection and maintenance.

- C. Shop Drawings: Indicate elevation views, of each panel configuration, layout and installation details.
- D. Samples: Submit two panel samples, 12" x 12" in size, illustrating assembled upholstered wall fabric, construction and core materials.
- E. Certificate: Certify that products of this section meet or exceed specified fire performance characteristics.
- F. Test Reports: Indicate ASTM E 84 - Flame Spread Index, Smoke Developed Value
- G. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owners name and registered with manufacturer.
- H. Maintenance Materials: Furnish the following for use in maintenance of project.
 - 1. See Section 01600 - Product Requirements, for additional provisions.
 - 2. Extra Stock Materials: 5% of gross wall area of each color pattern and type installed.
 - 3. Stock shall be packaged with protective coating and identified with appropriate labels and delivered to job site after move in.

1.08 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this section with minimum five years of experience.

1.09 MOCK-UP

- A. Provide stretched fabric mock-up, long by 4' long x 4' wide, illustrating upholstery and construction.
- B. Locate where directed.
- C. Mock-up may remain as part of the Work.

1.10 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to project site in protective wrapping.
- B. Store materials in a dry place.
- C. Do not deliver materials to site prior to completion of wet work.

1.11 WARRANTY

- A. See Section 01780 - Closeout Submittals, for additional warranty requirements.
- B. Provide two-year manufacturer warranty against defects in materials and workmanship.
- C. Correct defective Work within a two-year period after Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. DFB Sales, Inc., 718.729.8319, 800.433.4546; Products Track-Tex High Tension System www.dfbsales.com.
- B. Substitutions: See Section 01600 - Product Requirements.

2.02 MATERIALS

- A. Upholstered Wall Systems: Manufacturers standard field assembled upholstered wall systems consisting of a perimeter frame, core materials and fabric facing.
1. Frame shall be 100 durometer rigid PVC extruded track and flexible hinge.
 2. Edge details shall be square, radius or beveled.
 3. Panel size as indicated.
 4. Core materials.
 - a. Tackable core shall be Micore CV 230 by USG Interiors, Inc., with NRC rating of 0.35 per ASTM C 423, 1/2" inch nominal thickness.
 - b. Acoustical Quiet Core substrate is an acoustical inorganic glass fibers compressed to 7 lbs per cu. ft. bonded by a thermosetting agent with an NCR rating of 0.65. 1/2" inch nominal thickness.
 - * c. ECOSE acoustical fill meets Greenguard Gold standard rated by UL environment. The 1" acoustical substrate uses a glass mineral wool with a plant based sustainable binding process. ECOSE is 50% recycled post-consumer glass (sand), contains no harmful materials or chemicals evaluated by the International Living Building Institute. Acoustical rating of .80 and meets all ASTM E 84 and California title 24 requirements
- B. Fabric: Shall be upholstered so that the fabric is taut and all vertical and horizontal patterns match. Fabric shall be tested for suitability and stability. Proper backing shall be applied if required.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Inspect conditions and substrates under which the work of this section will be performed.
- B. Verify that the installation may commence.
- C. Work shall not proceed until unsatisfactory conditions have been fully resolved.

3.02 INSTALLATION

- A. Install upholstered wall system plumb, in proper alignment and in strict accordance with manufacturers' instructions.
- B. Tackable and acoustical core materials shall be provided as specified, located as indicated on drawings.
- C. Install the fabric square and free of ripples and distortions.
- D. Stretch fabric over the frame with sufficient tension to avoid sagging under year-round temperature and humidity conditions.
- E. Install the fabric level and true with pattern. Texture and grain of the fabric shall perfectly align at the seams.
- F. Stretch the fabric taut so as to not puddle or dent when touched or leaned upon. Installed so that the fabric shall be self-healing when pushed, punched or hit, reverting back to its original finished condition.
- G. Install the frame or mounting member in order to eliminate telescoping through the face of the fabric.
- H. Install the fabric as a monolithic system with seams seamless continuous runs and/or vertical or horizontal butt joints as indicated on drawings.

3.03 CLEANING

- A. Content of fabric shall be submitted along with manufacturers cleaning instructions.

END OF SECTION