

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. PVC track mounted, site fabricated acoustical wall panel assembly, with site stretched fabric covering.
- B. Site assembled and fabricated.

1.2 RELATED SECTIONS

- A. Section [_____ - _____]: Preparation of adjacent work to receive work of this Section.

1.3 REFERENCES

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials: Surface-burning characteristics of fabrics not attached to substrate, as well as applying to other materials of the assembly, or the whole assembly.
- B. ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
- C. ASTM D5034-1 - Standard Test Method for Testing Breaking Loads of Textiles in a Holding Fixture
- D. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films: This test normally applies for textiles not directly applied to a substrate.

1.4 PERFORMANCE REQUIREMENTS

- A. Fire Retardant Classification: Class A, to ASTM E84.
- B. Acoustic Attenuation: NRC [_____], to ASTM C423.
- C. Minimum breaking load: [_____] N ([_____] lb), to ASTM D5034-1.
- D. Fabric: High content of stable yarns, and acoustically transparent, where covering acoustical substrate.

1.5 SUBMITTALS

- A. Section 01300: Submission procedures.
- B. Product Data: Submit product data for track frame, fabric, and acoustic substrate.
- C. Shop Drawings: Identify panel sizes, panel configurations, track frame profiles, fabric selections by elevation, and corner details.
- D. Samples: Submit [one (1) sample,] [two (2) samples], [300 x 300 mm (12 x 12 inch)] [_____] size, including track frame, substrate and fabric. Sample will be reviewed for color, texture, fabric tautness, alignment and pattern of weave, fabric translucency, and appearance of corners.

- E. Installer Certificate: Showing installation certification by track frame manufacturer.

1.6 QUALITY ASSURANCE

- A. Fabricators / Installers: Trained and certified by track frame manufacturer.

1.7 MOCK-UP

- A. Section 01400: Requirements for mock-up.
- B. Provide minimum [____x____] mm ([____x____] inches) mock-up of a panel, including track frame, acoustical substrate, fabric and a track or butt joint, as applicable.
- C. Locate [where directed.] [_____].
- D. Mock-up may [not] remain as part of the Work.

1.8 DELIVERY, STORAGE, AND PROTECTION

- A. Section 01600: Transport, handle, store, and protect products.
- B. Acclimatize fabrics for minimum 24 hours, at temperature and humidity approximating that of occupancy prior to installation.
- C. Protect fabric surfaces from damage.

1.9 SPECIAL WARRANTY

- A. Section 01700: Warranties.
- B. Provide a five-year manufacturer's warranty against material defects.

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- A. Snap-Tex International, LLC.
- B. Substitutions: [Refer to Section 01600.] [Not permitted.] [Refer to Instructions to Bidders.]

2.2 MATERIALS

- A. Frame:
 - 1. Rigid PVC.
 - 2. One-piece framework, hinged, interlocking jaw, biased tension.
 - 3. Edge Profile: [Radius.] [Square.] [Beveled.]
 - 4. Profile Size: [9 mm (3/8 inch)] [13 mm (1/2 inch)] [16 mm (5/8 inch)] [25 mm (1 inch)] [28 mm (1-1/8 inch)].
 - 5. Total Panel Nominal Thickness: [____] mm ([____] inches).
- B. Supplementary Frame Furring:

1. [Wood:] [Metal:] Of sufficient thickness to achieve panel thickness and acoustical performance requirements.
- C. Acoustic Substrate:
1. Material: [Semi-rigid acoustical glass fiber.] [Tackable rigid glass fiber.] [Tackable mineral fiber.] [Fire retardant, compressible polyester batt.] [Reflective substrate] [Diffusive substrate] [As required to achieve acoustical attenuation, diffusion, or reflection required.]
 2. Thickness: [To suit thickness of panel frame and acoustical performance required.] [_____].
- D. Fabric:
1. Material: [By Owner.] [Acoustically transparent fabric, fire retardant to meet [ASTM E84] [NFPA 701], [_____].]
 2. Liner: [Fabric] [Dupont Perforated Tyvek] [Amerispan] [_____] type, [3 m (10 ft)] [4.2 m (14 ft)] [4.8 m (16 ft)] wide, [acoustically transparent,] [_____].
 3. [Fabric Protection if desirable: Dupont Teflon based protectant.]
- E. Fasteners: [Heavy duty 25 mm (1 inch) staples.] [25 mm (1 inch) screws.] [As required, compatible with substrate frame surface.]
- F. Accessories:
1. Trim, tambours, riglets, etc.: [As detailed.] [_____].

PART 3 EXECUTION

3.1 PREPARATION

- A. Do not proceed until surrounding environment is clean and dry. Maintain temperature, and humidity at conditions approximating those of occupancy prior to, during, and after installation.
- B. Ensure substrate surface is smooth, flat, and taped and sealed [if drywall] prior to track installation. Directly adjoining work must be complete and dry.
- C. Field measure areas to receive acoustic panels; establish exact layout of units.

3.2 INSTALLATION

- A. [Install furring (if not in miscellaneous carpentry section) to achieve overall panel thickness of [_____].]
- B. Install tracks [plumb,] [level,] and straight with fittings, flush to achieve panel configuration.
- C. Fasten track frame in a consistent manner, minimum 25mm (1") on center.
- D. Install acoustic substrate material, continuous to rear base of track or as shown if reflective, or diffusive.
- E. Cut fabric from each roll, maintaining sequence of drops and matching direction of weave.

- F. Install fabric into locking jaws of track. Stretch fabric taut; align fabric weave plumb vertically and level horizontally. Swing the hinged track section over, stretching and locking in the fabric.

3.3 CLEANING

- A. Section 01700: Cleaning installed work.
- B. Trim and remove all loose fabric threads.
- C. Remove surplus materials and debris.

3.4 EXTRA MATERIALS

- A. Deliver [5] [10] [____] % extra panel face fabric.

3.5 PROTECTION OF FINISHED WORK

- A. Section 01700: Protecting installed work.

END OF SECTION