

SECTION 09521

AEC STRETCHED FABRIC SYSTEM SPECIFICATIONS

PART 1 GENERAL

1.1 Scope

- A. Stretched Fabric Panels
- B. Framework
- C. Core Material
- D. Specified Fabric
- E. Installation

1.2 Description

- A. Wall/ceiling mounted polymer extrusions attached directly to substrate or furring strips. Polymer extrusions to be continuous perimeter, midwall, inside/outside corner extrusions, as selected to meet design requirements.
- B. Fabric shall be stretched over core material and tucked into polymer extrusions. Replacement and removal of fabric from individual panels shall be achieved without removal of the extrusions or disturbing adjacent panels. Fabric shall not be held in place by mechanical fasteners of any type, finish nails and/or adhesive tape.
- C. Hinged or self-locking types of polymer extrusions and prefabricated panels do not meet the intent of this specification.

1.3 Submittals

- A. Samples
 - 1. Sample size: 12" x 12" for core, memo of fabric and 6" length of extrusion, as required.
 - 2. Substitutions MUST submit a mock-up panel utilizing the specified edge, midwall, core and fabric requirements.
- B. Quality Assurance
 - 1. Installing company shall submit a list of not less than 5 most recent installations representing similar scope and complexity to project requirements. Nationwide project lists by track manufacturer will not be accepted. Listing shall include:
 - a) Project name and address
 - b) Name of architect
 - c) Date of completion
- C. Warranty
 - 1. Installing company to submit written warranty for the workmanship of the stretched fabric system. Stretched fabric system shall be warranted for a minimum of 1 year *from date of substantial completion*.

1.4 Delivery, Storage and Handling

- A. Protect system components from excessive moisture in shipment, storage and handling. Deliver in unopened bundles and store in a dry area with adequate air circulation.
- B. Do not deliver material to building until all “wet conditions” such as concrete, plaster, paint and adhesives have been completed and cured to a condition of equilibrium.

1.5 Projects Conditions

- A. Do not install fabric system until space has been enclosed and is weather-tight, other finishes and wet-work in the space have been completed and are nominally dry, and ambient conditions of temperature and humidity are continuously maintained at values near those indicated for final occupancy.

1.6 Scheduling of Installation

- A. Schedule stretched fabric system installation for as late as possible in construction schedule to minimize risk for potential damage to the fabric.
 - 1. Fabric shall not be installed until space is enclosed and weather-tight.

PART 2 PRODUCTS

2.1 Acceptable Installers

- A. AEC, Inc.
 - 3360 Wiley Post Rd.
 - Suite 150
 - Carrollton, TX 75006

Phone: 972.488.1066
Fax: 972.488.0554
Website: www.aeccorp.com
- B. Substitutions
 - 1. Architect shall determine acceptability of proposed substitutions by reviewing information required for submittals.

2.2 Materials

- A. Framework and Core
 - 1. Panel Size: As indicated on drawings
 - 2. Framework: Extruded polymer track as manufactured by Whisper Walls® and distributed by AEC, Inc.
 - a) Edge Configuration: *Select an edge profile*
 - b) Midwall Configuration: *Select a midwall profile*
 - 3. Core
 - a) Semi-rigid fiberglass board
 - 1) Density: *State density*
 - 2) Thickness: *State thickness*
 - b) Tackable
 - 1) Thickness: *State thickness*

- c) Nailable
 - 1) Thickness: *State thickness*
 - 2) *Specify if treated wood is required.*
 - d) Custom
 - 4. Fire Resistance: ASTM E84
 - a) Complete panel assembly including: framework, midwall support, mounting devices, core and fabric shall have a Class A rating.
 - 1) Flame Spread Index: 10 "Class 0-25" (Class A)
 - 2) Smoke Developed Index: 5
- B. Fabric: *See Fabric Selection Guidelines*
- 1. Specify fabric: *manufacturer, color, content, pattern, repeat and width*
 - 2. Patterned fabric to align at all horizontal and vertical seams
 - 3. Provide additional stock fabric: *Specify linear yards*

PART 3 EXECUTION

3.1 Examination

- A. Site Verification of Conditions
 - 1. Examine substrate and spaces in which work is to be performed. Notify the contractor in writing of any unsatisfactory conditions.
 - 2. Do not begin installation until unsatisfactory conditions have been corrected in a manner satisfactory to the installer.

3.2 Installation

- A. Framework
 - 1. Install rigid polymer extrusions to the surfaces scheduled to receive fabric system.
 - 2. Install polymer extrusions shimmed, plumbed and scribed to align with adjacent surfaces.
 - 3. Provide framing around outlet boxes, duplex receptacles, thermostats, etc., that occur within fabric panel area.
- B. Core Material
 - 1. Material shall be installed in a continuous manner, flush to the shoulder of the polymer extrusion.
- C. Fabric
 - 1. Cut fabric from each roll maintaining sequence of drops and matching direction of weave for sequential and uniform installation.
 - 2. Fabric shall be stretched and secured in the polymer extrusion. Utilizing nails, glue or adhesive tapes shall not be permitted. Ensure the fabric surface is free of wrinkles, flaws and other defects.

3.3 Cleaning

- A. Clean exposed surfaces of fabric system. Repair or replace work that cannot be easily cleaned.
- B. Advise contractor of required protection, including soiling from other trades and dust control, so fabric system will be without damage and deterioration at time of acceptance by owner.
- C. Remove surplus materials, rubbish and debris from the area.