

Acoustic Panel Details

RetroTweed 259

The Paisley Collection



259-81
Alabaster
(larger image/complements)

76% polyester
24% cotton
54" wide
18.7 oz/linear yd
Woven in Germany
Repeat: approx 13.4" v x 14.25" h
Custom color min: 220 yards

Net price per yard \$89.00

[Request a sample](#)

- Wyzenbeek 84,000 double rubs
- Calif Bulletin #117 complies (pdf)
- UFAC, NFPA 260 Class I (pdf)
- ASTM E-84 adhered Class I (pdf)

Cleaning code: S
Cleaning instructions (pdf)

This fabric meets or exceeds ACT standards for upholstery use.



*ACT® Registered Certification Marks

SECTION 09 77 13

STRETCHED-FABRIC WALL SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Site-upholstered tackable wall systems.

B. Related Sections:

1. Section 06 10 53 "Miscellaneous Rough Carpentry" for wood blocking.
2. Section 10 11 00 "Visual Display Boards" for tackboards.

1.2 DEFINITIONS

- ###### A. NRC: Noise reduction coefficient.

1.3 SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for stretched-fabric systems.
2. Include furnished specialties and accessories.
3. Product Data for adhesives and glues used at Project site, documentation including printed statement of VOC content.

B. Shop Drawings: For each stretched-fabric system. Include installation and system details; details at head, base, joints, and corners; and details at ceiling, floor base, and wall intersections. Indicate frame edge and core materials.

1. Include elevations showing panel sizes and direction of fabric weave and pattern matching.
2. Show sewn-seam locations, types, and methods.

C. Coordination Drawings: Elevations and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:

1. Electrical outlets, switches, and thermostats.
 2. Items penetrating or covered by stretched-fabric systems.
- D. Samples for Initial Selection: For each type of fabric facing from stretched-fabric system manufacturer's full range.
- E. Samples for Verification: For the following products prepared on Samples of size indicated below.
1. Fabric: Full-width by approximately 36-inch long Sample, but not smaller than required to show complete pattern repeat, from dye lot to be used for the Work, and with specified treatments applied. Mark top and face of fabric.
 2. Frame System: 12-inch-square Sample(s) showing each edge profile and corner.
 3. Core Material: 12-inch-square Sample at corner.
- F. Qualification Data: For Installer.
- G. Product Certificates: For each type of stretched-fabric system.
- H. Sample Warranty: For special warranty.
- I. Maintenance Data: For stretched-fabric systems to include in maintenance manuals. Include fabric manufacturer's written cleaning, stain-removal, restretching, and reupholstering recommendations.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of systems required for this Project.
- B. Source Limitations: Obtain stretched-fabric systems from single source from single manufacturer.
- C. Mock-ups: Build mock-ups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials, fabrication, and installation.
1. Build mock-up of typical wall area as directed by Architect.
 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Comply with fabric and stretched-fabric system manufacturers' written instructions for minimum and maximum temperature and humidity requirements for shipment, storage, and handling.
- B. Deliver materials in unopened bundles and store in a temperature-controlled dry place with adequate air circulation.

1.6 FIELD CONDITIONS

- A. Environmental Limitations: Do not install stretched-fabric systems until spaces are enclosed and weathertight, wet work in spaces is complete and dry, work at and above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Lighting: Do not install stretched-fabric systems until a permanent level of lighting is provided on surfaces to receive stretched-fabric systems.
- C. Air-Quality Limitations: Protect stretched-fabric systems from exposure to airborne odors such as tobacco smoke, and install systems under conditions free from odor contamination of ambient air.

1.7 WARRANTY

- A. Special Warranty: Manufacturer and Installer agree to repair or replace components of stretched-fabric systems that fail in performance, materials, or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Acoustical performance.
 - b. Fabric sagging, distorting, or releasing from panel edge.
 - c. Warping of core.
 - 2. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design: Subject to compliance with requirements, provide M.L. McDonald Company, site-built Classic Stretch Wall or comparable product by one of the following:
1. Novawall Systems, Inc.
 2. StretchWall Installations, Inc.
 3. Wall Technology, Inc.; an Owens Corning company.

2.2 PERFORMANCE REQUIREMENTS

- A. General Requirements for Stretched-Fabric Wall Systems: Provide systems that comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- B. Fire-Test-Response Characteristics: Provide stretched-fabric systems meeting the following requirements as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
1. Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 450 or less.
 2. Fire Growth Contribution: Comply with acceptance criteria of local code and authorities having jurisdiction when tested according to NFPA 265.

2.3 STRETCHED-FABRIC WALL SYSTEMS

- A. Stretched-Fabric Wall System: Manufacturer's standard system consisting of facing material stretched taught over a frame[and core material] and secured in the frame.
1. (Type-1) Core: Mineral-fiber board.
 - a. Nominal Core Thickness: as indicated on Drawings.
 - b. Frame-Edge: Profile as indicated on the Drawings.
 - c. Typical Location: One wall, waiting rooms.

2. (Type-2) "Softouch" Core: Glass-fiber blanket.
 - a. Nominal Core Thickness: as indicated on Drawings.
 - b. Frame-Edge: Profile as indicated on the Drawings.
 - c. Typical Location: Two walls, MRI rooms.

2.4 MATERIALS

A. Core Materials:

1. Mineral-Fiber Board: Maximum flame-spread and smoke-developed indexes of 25 and 10, respectively; minimum density of 13 lb/cu. ft. (208 kg/cu. m), and with perforated surface.
2. Glass-Fiber Blanket: ASTM C 553, ASTM C 612, or ASTM C 665; Type standard with manufacturer; nominal density of 3 to 4 lb/cu. ft. (48 to 64 kg/cu. m); flexible and with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively.

B. Frame-Edge Construction: Manufacturer's standard extruded non-PVC frame.

1. Performance Requirement: System must be able to accept fabric and install without sagging.

C. Facing Material:

1. Fabric from same dye lot; color and pattern.
2. Sina Pearson Textiiles, Retro Tweed.
3. Color: 259-81 Alabaster
4. Content: 76-percent polyester, 24-percent cotton.
5. Width: 54 inches.
6. Note: Provide acrylic backing, if required.

2.5 INSTALLATION MATERIALS

- A. Installation Products, General: Concealed on back of system, recommended by stretched-fabric system manufacturer to support weight of system, fabric tension, and as follows:
- B. Adhesives: As recommended by stretched-fabric system manufacturer and with a VOC content of 50 g/L g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- C. Fasteners: Manufacturer's standard.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine fabric, materials, substrates, areas, and conditions, with Installer present, for compliance with requirements, installation tolerances, and other conditions affecting performance of stretched-fabric systems.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Measure each area and establish layout of panels and joints of sizes indicated on Drawings within a given area.
- B. Before installation, allow fabric to adjust and become stable in spaces where it will be installed in accordance with stretched-fabric system manufacturer's written instructions. Acclimatize fabric for minimum of 24 hours at ambient temperature and humidity conditions indicated for spaces when occupied for their intended use.

3.3 INSTALLATION

- A. General: Install stretched-fabric systems in accordance with system manufacturer's written instructions.
 - 1. Provide continuous perimeter frames of each profile indicated, designed to be inconspicuous when covered by fabric facing, with smooth edges, and with surface finish that will not telegraph through fabric facing.
 - 2. Install framing around penetrations.
 - 3. Tightly fit framing to adjacent construction and securely attach to substrate.
 - 4. Install core material with full coverage, flush with face of stretched-fabric system frame.
 - 5. Attach frame and core to substrate with adhesive or fasteners or both to support system and prevent deformation of components.
 - 6. Install stretched-fabric systems vertical and plumb, unless otherwise indicated; true in plane; and with fabric square to the grain with straight, parallel seams.
 - 7. Install jointed panels with butt joints as indicated.
- B. Fabric Installation: Apply fabric monolithically in continuous run over area, without joints or reveals, except where panel joints or midspan frames are indicated.

1. Stretch and secure fabric to frame edges and so frame and frame attachment method are concealed by fabric unless otherwise indicated.

3.4 INSTALLATION TOLERANCES

- A. Edge Straightness: Plus or minus 1/16 inch.
- B. Variation from Level and Plumb: Plus or minus 1/16 inch.
- C. Variation of Panel-Joint Width: Not more than 1/16 inch.

3.5 CLEANING

- A. Clip loose threads; remove pills and extraneous materials.
- B. Clean panels on completion of installation to remove dust and other foreign materials according to manufacturer's written instructions.

END OF SECTION 09 77 13