

Specifications for SnapLoc, a medium-tension, fabric-mounting system

1.0 GENERAL

1.1.1 All work in this section shall be subject to general conditions, finish schedules, details, drawings, and addenda.

1.1.2 StretchWall Products, Inc., shall furnish and install the concealed, tackless SnapLoc™ system, manufactured by StretchWall in accordance with the attached finish schedule and/or architectural drawings and details as noted. Substitutions shall not be permitted for materials or methods covered in this section.

1.1.3 The fabric shall be installed as monolithic SnapLoc with seams, seamless, and/or vertical or horizontal butt-joints as indicated on attached drawings.

1.1.14 The core shall consist of fiberglass, FR tackable mineral-core board, or other named materials in thicknesses shown on attached drawings. The core material shall be installed tightly against peripheral framing without cavities.

1.1.5 A 12" x 12" representative sample of the system and the fabric must be submitted for each panel type in regards to thickness and fabric type.

1.2.0 FR-Assembly & Component-Test Requirements

1.2.1 The fabric shall be furnished by the Owner or Contractor in accordance with the finish schedule. Stain repellent and flame treatment shall be added to meet an ASTM E-84 Class-A rating, tested loose-laid in the tunnel.

1.2.2 Framing and infill shall be tested as individual components and/or as an assembly under the ASTM E-84 (80a) parameters with all components fully exposed to the burn chamber of the tunnel and is so indicated in the original test reports.

1.3.0 Performance

1.3.1 The SnapLoc system shall have been tested as an assembly utilizing complete sections of building-standard sheetrock, SnapLoc FR peripheral sections and butt joint down the center, fiberglass, and a 701 FR panel cloth inherently flame-retardant fabrics to meet ASTM E-84 (80a) test requirements with the following results:

Flame spread value 20 Smoke Development 400

Flame-spread and smoke-development values vary with different fabric, frame, and infill. If non-FR infill components or fabrics are specified, the assembly rating will change accordingly.

1.3.2 The system shall have acoustical-rating results and a N.R.C. (noise reduction coefficients) rating, tested with 1/2 in. 3 lb. fiberglass infill, as follows:

125 Hz .11	250 Hz .21	500 Hz .57	
1000 Hz .60	2000 Hz .72	4000 Hz .82	N.R.C. .55

1.4.0 Warranty

1.4.1 The fabric shall remain dimensionally stable under normal operating conditions and shall not sag due to normal variances of temperature or humidity for one year from the date of substantial completion provided that all mechanical systems have been balanced and are operating at the time of fabric installation. The warranty is in effect provided that sufficient time has been allowed for the installation of on-site fabric curing. StretchWall Products, Inc., provides a warranty that the fabrics shall be installed with grains, patterns, seams level, plumb, and true in accordance with commercial tolerances for a medium-tension, fabric-mounting system.

1.4.2 The Contractor and Systems Manufacturer shall certify, in writing, individually and collectively, that in the event of default of the Contractor, the Systems Manufacturer shall assume full contractual responsibility for all warranties referred, implied, and specified herein.

1.4.3 The Contractor and Systems Manufacturer shall certify, in writing,

that the systems they propose are fully capable of properly installing all of the fabric specified and that changes will not be required, due to failure or limitations of the system, to properly install the specified fabrics within and in accordance with the quality warranties included herein.

1.4.4 The Contractor shall clearly state that he has inspected all fabrics specified and fully accept them within the scope of these specifications without reservations.

1.4.5 The Contractor shall deliver with his bid the necessary components flame/fire compliance documentation. Further, the Contractor shall clearly indicate the name, manufacturer and installer of the system upon which the bid is based.

1.4.6 Failure to provide documentation shall not relieve the Contractor of the responsibility to meet the requirements of the specifications. Further, if requested at the owner's expense, the Contractor shall provide a Performance Bond that assures compliance with the specifications and the installation performance and warranties contained herein.

2.0 PRODUCTS

2.1 Type SWA Seam-Joint SnapLoc. The fabric shall be installed by stitching widths together forming a seam-joint monolithic system.

2.2 Type SWB Butt-Joint SnapLoc. The fabric shall be installed as butt-joint panels. The joints shall occur vertically, horizontally, or both as indicated on the drawings.

2.3 Type SWC Monolithic SnapLoc. The fabric shall be turned width for height creating an endless, monolithic surface.

3.0 EXECUTION

3.1.0 Site Preparation

3.1.1 The drywall shall be taped, spackled, and sealed (by Others) to prevent air leakage through the wall joints, electrical outlets, and all other wall penetrations. The drywall shall be installed within commercial tolerances and shall not exceed 1/4 in. in any 10-ft. span.

3.2.0 Installation

3.2.1 The fabric shall be mechanically crimped and locked under tension to an on-site, installed, peripheral framing system consisting of two locking means and two glue strip fabric-mounting means.

3.2.2 Each side of the SnapLoc peripheral system shall be a single unit composed of a patent-pending, co-extruded PVC section with a flexed leg.

3.2.3 The fabric shall be basted to the tacking surface of the mounting system and shall be stretched, squared, and aligned and left to cure on site prior to the final stretching and finishing of the installed fabric. The fabric shall be mechanically restretched and basted under tension to the framing system to assure that the fabric grain is square after the restretching has been completed.

3.2.4 After curing, the fabric, when stretched, shall wrap around the profile, shall be mechanically crimped and glued to two separate glue strips, and shall be locked into the fabric-holding channel by the jaws of the SnapLoc system. There shall be no sagging under year-round normal operating temperatures and humidity conditions.

3.2.5 The secondary ball-and-socket assembly shall maintain compression within the system by preventing the cover from lifting or shifting due to changes in fabric tension and shifting as the fabric expands and contracts. The jaws of the system shall accept both thick and thin fabrics.

3.2.6 Lining, if specified, shall be attached to two points: the outside edge of the profile and the tacking surface: