

## SITE-FABRICATED STRETCHED FABRIC PANEL CEILING SYSTEM

### SYSTEM DESCRIPTION

- ❑ Site-fabricated Novaspan stretched fabric panel ceiling system with continuous perimeter track profile mounted directly to sheetrock substrate. System shall provide for face fabric to be stretched over core materials, leaving fabric floating over core surface.
- ❑ System will allow for the removal and replacement of fabric facing from individual panels. Removal of fabric shall allow access to surface behind fabric without dismantling, removal or replacement of track members or core.
- ❑ Prefabricated panels do not satisfy the intent of this specification.

### ACCEPTABLE MANUFACTURER/AUTHORIZED DISTRIBUTOR/CERTIFIED INSTALLER

- ❑ **NOVAWALL®** as manufactured by  
**Novawall Systems, Inc.**,  
885-B South Picket Street  
Alexandria, Virginia 22304  
(800) 695-6682  
(703) 461-0113  
(703) 461-0436 fax  
Website: [www.novawall.com](http://www.novawall.com)  
Email: [sales@novawall.com](mailto:sales@novawall.com)
- ❑ **Authorized Distributor or Certified Installer**  
(Territory map at [www.novawall.com](http://www.novawall.com) or coordinate with Novawall® representative)

### SYSTEM COMPONENTS

- ❑ **Novawall® Perimeter Edge Track** - extruded polymer edge track profiles required to conform to panel edge detail desired. Multiple thicknesses over 1" may be achieved by furring as required. Any track profile may be used however we recommend.  
**(1" Square-Wellless Edge - Coconut) (1" Square-Concealed Edge - Coconut)**
- ❑ **Novawall® Midwall Track** - select corresponding Novawall® midseam panel joint  
**(1" Square-Butt Joint) (1" Square-1/8" Reveal) (1" Square-1/4" Reveal)**  
**(1" Square-1/2" Reveal) (Reveal inserts available in Coconut and Black)**
- ❑ **Core materials:**  
**Acoustical:** (1" fiberglass; 6 PCF density)(2" fiberglass; 6 PCF density)
- ❑ **Fabric Selection:**  
**NOVSPAN** as manufactured by **Novawall Systems, Inc.**  
100% FR Polyester – 130" wide  
Color: White  
Class A – ASTM E84 Unadhered Method
- ❑ **Mounting Hardware:**  
Manufacturer's standard fasteners for securing framing track directly to gypsum board, wood or plywood substrates. No nailing through fabric accepted.

## INSTALLATION

- ❑ Fabricate stretched fabric panel ceiling system on jobsite to conform precisely to existing conditions in areas indicated for their application. Space shall be enclosed and weather-tight.
- ❑ Apply framing materials to sheetrock surfaces scheduled to receive system. Framing shall be plumb and straight, flush, and in proper alignment per reflected ceiling plans.
- ❑ Core materials shall be installed in a continuous manner, flush and level with framing materials. Mounting channel details and core coloration shall not be visible through facing fabric. Use scrim if required. All penetrations confirmed prior to fabric installation. Core materials shall not "telegraph" through the fabric face.
- ❑ Cut fabric from each roll maintaining a regular sequence of drops and matching direction of weave for sequential and uniform installation.
- ❑ Fabric shall be tensioned securely to track system using appropriate tools. Spray adhesives or stapling of fabric to the core or frame members shall not be permitted.
- ❑ Clean exposed surfaces of wall fabric. Trim and remove loose threads. Remove surplus materials, rubbish, and debris, leaving area neat and in a clean condition.

## FIRE CODE COMPLIANCE/ACOUSTICAL TESTS

- ❑ **This fire code section is considered mandatory. Stretched fabric panel ceiling systems or fabrics not in compliance should be rejected.**
  - ❑ Submit complete, unedited test reports for stretched fabric panel ceiling systems prepared by an independent testing laboratory that is IAS Certified indicating full compliance with fire resistance performance requirements under ASTM E 84 and specifically:
    - 1) **Fire ratings shall be for a complete assembly, including perimeter and longitudinal butt joint framing extrusions, core material, and fabric covering as required by ASTM E2573-07 Specimen Preparation and Mounting of Site Fabricated Stretch Systems to Assess Surface Burning Characteristics.**
    - 2) **Systems must be certified under ASTM E84 and Class must be compliant with placement in the building:**
      - Class A with a Flame Spread Index (0-25) Smoke Developed Index (0-450)**
      - Class B with a Flame Spread Index (26 - 75) Smoke Developed Index (0-450)**
      - Class C with a Flame Spread Index (76 – 200) Smoke Developed Index (0-450)**
  - ❑ Submit complete test reports for each fabric prepared by an independent testing laboratory that is IAS Certified indicating compliance with specified fire resistance performance requirements under ASTM E84 Unadhered Method.
  - ❑ ASTM C423 Test Method for Sound Absorption and Sound Absorption Coefficients by Reverberation Room Method  
(NRC for 1" system: 0.80)(NRC for 2" system: 0.95)(NRC for 4" system: 1.05)
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## SECTION 09 54 43 STRETCHED-FABRIC CEILING SYSTEMS

### **LIMITED LIFETIME WARRANTY\***

- A. Novaspan Stretched fabric panel ceiling system installation shall be warranted by the Authorized Distributor or Certified Installer for the period defined in contract documents.
- B. Novawall® provides a **Limited Lifetime Warranty\*** to the Authorized Distributor or Certified Installer for the "Life" of the installation.

\*Novawall® will provide replacement Novawall® extrusions that are deemed defective at no charge to the Authorized Distributor or Certified Installer during the "useable life" of an installation. Novawall® does not warranty against damage by others, normal wear and tear, the project installation, fabric or core materials which may have certain other manufacturer warranties.