

**SECTION 09511 - ACOUSTICAL PANEL CEILINGS****PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. Submittals: Product Data and material Samples.
- B. Surface-Burning Characteristics of Panels: ASTM E 1264, Class [A] [B] materials, tested per ASTM E 84.
- C. Fire-Resistance-Rated Assemblies: Provide materials and construction identical to those tested in assemblies per ASTM E 119 by an independent testing and inspecting agency acceptable to authorities having jurisdiction.

**PART 2 - PRODUCTS****2.1 ACOUSTICAL PANELS**

- A. Basis of Design Products:
  - 1. Armstrong: to match existing
- B. Pattern: to match existing
- C. Color: White.
- D. Edge Detail: Reveal sized to fit exposed flange of suspension system.
- E. Thickness: 3/4".
- F. Size: 24 by 48 inches (610 by 1220 mm).

**2.2 CEILING SUSPENSION SYSTEM**

- A. Direct-hung; ASTM C 635, intermediate-duty structural classification.
  - 1. Basis of Design Products:
    - a. Armstrong: to match existing.
  - 2. Color: White.
- B. Attachment Devices: Sized for 5 times the design load indicated in ASTM C 635, Table 1, Direct Hung, unless otherwise indicated.
- C. Wire Hangers, Braces, and Ties: Zinc-coated carbon-steel wire; ASTM A 641/ (A 641M), Class 1 zinc coating, soft temper.

1. Size: Provide yield strength at least 3 times the hanger design load (ASTM C 635, Table 1, Direct Hung), but not less than 0.106-inch- (2.69-mm-) diameter wire.
- D. Seismic Struts: Manufacturer's standard product designed to accommodate seismic forces.
- E. Seismic Clips: Manufacturer's standard seismic clips designed to secure panels in place.
- F. Hold-Down Clips: Manufacturer's standard product; provide at 24-inch (610-mm) spacing on cross tees.)

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Ceiling Suspension System Installation: Comply with ASTM C 636 and CISCA's "Ceiling Systems Handbook."
  1. Additional Seismic Requirements: CISCA's "Recommendations for Direct-Hung Acoustical Tile and Lay-in Panel Ceilings--Seismic Zones 0-2."
  2. Additional Seismic Requirements: ASTM E 580.

END OF SECTION 09511