

SECTION 095113 - ACOUSTICAL PANEL CEILINGS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data and material Samples.
- B. Acoustical Panel Ceilings: ASTM E 1264, Class A materials, tested per ASTM E 84.
- C. Extra Materials: Deliver to Owner no less than six full sized ceiling panels in original packaging.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. United States Gypsum Company. Phone (877) 874-4200.
- B. Armstrong World Industries. Phone (877) ARMSTRONG.

2.2 ACOUSTICAL PANELS

- A. Panel Styles:
 - 1. CP-1: Match United States Gypsum “Sandrift”.
 - 2. CP-2: Match United States Gypsum “Fissured”.
 - 3. CP-3: Match United States Gypsum “Sheetrock Lay-in Ceiling Panel ClimaPlus”.
- B. Classification:
 - 1. CP-1: Type III, Form 4.
 - 2. CP-2: Type III, Form 4.
 - 3. CP-3: Type XX
- C. Pattern:
 - 1. CP-1: Pattern Z.
 - 2. CP-2: Pattern D.
 - 3. CP-3: Pattern G.
- D. Color: White.
- E. Light Reflectance (LR) Coefficient:
 - 1. CP-1: .79.
 - 2. CP-2: .83.
 - 3. CP-3: .77
- F. Noise Reduction Coefficient (NRC): .65 - .75.

- G. Ceiling Attenuation Class (CAC):
 - 1. CP-1: 40 - 44.
 - 2. CP-2: 35-39.
 - 3. CP-3: 40
- H. Edge Detail:
 - 1. CP-1: Reveal sized to fit exposed flange of suspension system (SL).
 - 2. CP-2: Square.
 - 3. CP-3: Square.
- I. Thickness:
 - 1. CP-1: ¾”
 - 2. CP-2: ¾”
 - 3. CP-3: ½”
- J. Size:
 - 1. CP-1: 24” x 24”.
 - 2. CP-2: 24” x 48”.
 - 3. CP-3: 24” x 48”.

2.3 CEILING SUSPENSION SYSTEM

- A. Direct-hung; ASTM C 635, intermediate-duty structural classification.
 - 1. United States Gypsum, Donn DX.
 - a. 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; ASTM A641 Class 1 zinc coating, soft temper.
 - 1. Wire Diameter: Sized for yield stress of wire to exceed 3 times the hanger design load (ASTM C 635, Table 1, Direct Hung), but not less than 12 gauge (0.106 inch) diameter.
- E. Edge Moldings and Trim: Metal or extruded aluminum of types and profiles indicated or, if not indicated, manufacturer’s standard moldings for edges and penetrations, including light fixtures that fit type of edge detail and suspension system indicated. Provide moldings with exposed flange of the same width as exposed runner.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Ceiling Suspension System Installation: Comply with ASTM C 636.

- B. Ceiling Suspension System Installation Requiring Seismic Restraint: Comply with the following:
1. UBC Standard 25-2.
 2. CISCA's "Recommendations for Direct-Hung Acoustical Tile and Lay-in Panel Ceilings--Seismic Zones 0-2."
 3. CISCA's "Guidelines for Seismic Restraint of Direct-Hung Suspended Ceiling Assemblies--Seismic Zones 3 & 4."
 4. ASTM E 580.

END OF SECTION 095113