

## SECTION 09 51 13 – ACOUSTICAL PANEL CEILINGS

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### PART 1 – GENERAL

Suspended ceiling systems will be designed with a 24" x 24" – 1" (15/16") grid pattern in common areas as outlined below. Use of a 24" x 24" grid in public corridors, auditoriums, lecture halls, and other areas subject to frequent above ceiling access or upgraded appearance should be considered. Other ceiling types and sizes can be considered and reviewed by Planning, Design and Construction.

### PART 2 - MATERIALS

- 1.1 CORRIDORS: Acoustical Lay-in Panels – Stone wool panels, with following characteristics:
  - A. ASTM E1264 Classification: Type XX, Pattern G.
  - B. Edges: Square Lay-In.
  - C. Size: 24" x 24".
  - D. Thickness: 1/2".
  - E. NRC: 0.60.
  - F. Fire Class: Class A.
  - G. Fire Performance:
    - a. UL 723 (ASTM E84) Flame Spread / Smoke Developed: 0/5.
  - H. Light Reflectance: 0.85.
  - I. Recycled Content: Up to 37%.
  - J. R Value (BTU Units): 1.8.
  
- 1.2 OFFICE SPACES: Acoustical Lay-in Panels – Stone wool panels, with following characteristics:
  - A. ASTM E1264 Classification: Type XX, Pattern G.
  - B. Edges: Square Tegular.
  - C. Size: 24" x 24".
  - D. Thickness: 5/8".
  - E. NRC: 0.75.
  - F. AC: 180.
  - G. Fire Class: Class A.
  - H. Fire Performance:
    - a. UL 723 (ASTM E84) Flame Spread / Smoke Developed: 0/5.
  - I. Light Reflectance: 0.85.
  - J. Recycled Content: Up to 37%.
  - K. R Value (BTU Units): 2.2.

- 1.3 CLASSROOMS: Acoustical Lay-in Panels – Stone wool panels, with following characteristics:
- A. ASTM E1264 Classification: Type XX, Pattern G.
  - B. Edges: Square Lay-In.
  - C. Size: 24" x 24".
  - D. Thickness: 5/8".
  - E. NRC: 0.75.
  - F. AC: 180.
  - G. Fire Class: Class A.
  - H. Fire Performance:
    - a. UL 723 (ASTM E84) Flame Spread / Smoke Developed: 0/5.
  - I. Light Reflectance: 0.85.
  - J. Recycled Content: Up to 37%.
  - K. R Value (BTU Units): 2.2
- 1.4 RESIDENTIAL LIFE: Acoustical Lay-in Panels – Mineral Fiber Fissured
- A. ASTM E1264 Classification: Type III, Form 2, Pattern C D
  - B. Edges: Square Lay-In.
  - C. Size: 24" x 24".
  - D. Thickness: 5/8".
  - E. NRC: 0.55.
  - F. CAC: 33.
  - G. Fire Class: Class A.
  - H. Fire Performance:
    - a. ASTM E84 Flame Spread  $\leq$  25 / Smoke Developed  $\leq$  50.
  - I. Light Reflectance: 0.83.
  - J. Recycled Content: 33%.

END OF SECTION 09 51 13